

ANALYTICAL REPORT

Job Number: 480-9072-1

Job Description: ALCO-Maxon Site

For:
CHA Inc
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Attention: Ms. Sarah Newell

Peggy Gray-Erdmann

Approved for release.
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The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report.

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Job Narrative
480-9072-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The method blank for batch 29441 contained Methylene Chloride and Toluene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260B: The following compounds were outside control limits in the continuing calibration verification (CCV) associated with batch 29441: Pentachloroethane. These compounds are not classified as Calibration Check Compounds (CCCs) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for six analytes to be outside limits; therefore, the data have been reported.

Method(s) 8260B: Insufficient sample volume was available for the sample 9503-06, 9503 06MS B volume was used for this sample instead.

Method 8260: The method blank 480-31837 contained Methylene Chloride above the aqueous reporting limit. However, the aqueous, field generated, Quality Control sample was associated with soils, therefore; the aqueous sample was analyzed as a soil and evaluated using soil limits.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: The following sample was diluted due to the nature of the sample matrix: SB-B4 (5-8) (480-9072-1). Elevated reporting limits (RLs) are provided.

Method(s) 8270C: The following compound was outside control limits in the continuing calibration verification (CCV) associated with analytical batch 480-31329: 2-Fluorophenol. This compound is not classified as a Calibration Check Compound (CCC) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for four analytes to be outside limits; therefore, the data have been reported.

Method(s) 8270C: The following sample was diluted due to the abundance of target analytes: DUP-02 (480-9503-8). Elevated reporting limits (RLs) are provided.

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with preparation batch 480-30841 were outside control limits: SB-B1 (5-9) (480-9503-6 MS), SB-B1 (5-9) (480-9503-6 MSD). Matrix interference is suspected. The data have been qualified and reported.

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 480-30841 was outside control limits. Re-extraction and re-analysis of associated samples is not required. The data have been qualified and reported.

No other analytical or quality issues were noted.

Organic Prep

Method(s) 3550B: Due to the matrix, the following samples could not be concentrated to the final method required volume: SB-B2 (3-4) (480-9503-7). The reporting limits (RLs) are elevated proportionately.

No other analytical or quality issues were noted.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Instrument ID: HP5973F Analysis Batch Number: 29632Lab Sample ID: STD10 480-29632/15 IC Client Sample ID: _____Date Analyzed: 08/31/11 20:01 Lab File ID: F3641.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chlorobenzotrifluoride	8.44	Wrong peak	quirkp	09/01/11 09:33

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Instrument ID: HP5973F Analysis Batch Number: 29774Lab Sample ID: STD1 480-29774/3 IC Client Sample ID: _____Date Analyzed: 09/01/11 13:30 Lab File ID: F3647.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.64	Missed Peak	quirkp	09/01/11 15:38
Chloroethane	2.73	Missed Peak	quirkp	09/01/11 15:38
1,1-Dichloroethane	4.29	Missed Peak	quirkp	09/01/11 15:38
1,1,1,2-Tetrachloroethane	8.62	Missed Peak	quirkp	09/01/11 15:38
1,2-Dibromo-3-Chloropropane	11.85	Missed Peak	quirkp	09/01/11 15:38

Lab Sample ID: STD2 480-29774/4 IC Client Sample ID: _____Date Analyzed: 09/01/11 13:56 Lab File ID: F3648.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,2-Dichloropropane	4.74	Missed Peak	quirkp	09/01/11 15:39

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Instrument ID: HP5973F Analysis Batch Number: 31837Lab Sample ID: CCVIS 480-31837/2 Client Sample ID: _____Date Analyzed: 09/10/11 13:06 Lab File ID: F3808A.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,4-Trimethylbenzene	10.45	Wrong peak	ByrnesJ	09/19/11 14:43

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Instrument ID: HP5973V Analysis Batch Number: 29958Lab Sample ID: IC 480-29958/8 Client Sample ID: _____Date Analyzed: 09/02/11 13:24 Lab File ID: V4608.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	8.19	Split Peak	pagem	09/06/11 07:17

Lab Sample ID: IC 480-29958/9 Client Sample ID: _____Date Analyzed: 09/02/11 13:47 Lab File ID: V4609.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	8.18	Peak Tail	pagem	09/06/11 07:17

Lab Sample ID: IC 480-29958/10 Client Sample ID: _____Date Analyzed: 09/02/11 14:11 Lab File ID: V4610.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	8.17	Split Peak	pagem	09/06/11 07:17

Lab Sample ID: IC 480-29958/11 Client Sample ID: _____Date Analyzed: 09/02/11 14:35 Lab File ID: V4611.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	8.17	Peak Tail	pagem	09/06/11 07:16

Lab Sample ID: IC 480-29958/12 Client Sample ID: _____Date Analyzed: 09/02/11 14:59 Lab File ID: V4612.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	8.16	Peak Tail	pagem	09/06/11 07:18

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Instrument ID: HP5973V Analysis Batch Number: 30771Lab Sample ID: 480-9503-1 Client Sample ID: SB-C3 (5-8)Date Analyzed: 09/12/11 12:19 Lab File ID: V4926.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(b) fluoranthene	14.96	Coelution	pagem	09/13/11 10:02
Benzo(k) fluoranthene	14.98	Wrong peak	pagem	09/13/11 10:02

Lab Sample ID: 480-9503-2 Client Sample ID: SB-C6 (5-6)Date Analyzed: 09/12/11 12:43 Lab File ID: V4927.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(b) fluoranthene	14.95	Coelution	pagem	09/13/11 10:04
Benzo(k) fluoranthene	14.98	Coelution	pagem	09/13/11 10:04

Lab Sample ID: 480-9503-3 Client Sample ID: SB-C8 (3-4)Date Analyzed: 09/12/11 13:07 Lab File ID: V4928.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(b) fluoranthene	14.96	Coelution	pagem	09/13/11 10:06
Benzo(k) fluoranthene	14.97	Wrong peak	pagem	09/13/11 10:06

Lab Sample ID: 480-9503-4 Client Sample ID: SB-C1 (5-8)Date Analyzed: 09/12/11 13:30 Lab File ID: V4929.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(b) fluoranthene	14.96	Coelution	pagem	09/13/11 10:08
Benzo(k) fluoranthene	14.97	Wrong peak	pagem	09/13/11 10:08

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Instrument ID: HP5973V Analysis Batch Number: 30771Lab Sample ID: 480-9503-5 Client Sample ID: DUP-01Date Analyzed: 09/12/11 13:54 Lab File ID: V4930.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo (b) fluoranthene	14.96	Coelution	pagem	09/13/11 10:18
Benzo (k) fluoranthene	14.97	Wrong peak	pagem	09/13/11 10:18

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Instrument ID: HP5973V Analysis Batch Number: 31329Lab Sample ID: 480-9503-8 Client Sample ID: DUP-02Date Analyzed: 09/15/11 18:17 Lab File ID: V5083.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo (b) fluoranthene	14.92	Coelution	pagem	09/16/11 10:27
Benzo (k) fluoranthene	14.94	Assign Peak	pagem	09/16/11 10:27

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Instrument ID: HP5973V Analysis Batch Number: 31527Lab Sample ID: 480-9503-7 Client Sample ID: SB-B2 (3-4)Date Analyzed: 09/16/11 14:52 Lab File ID: V5125.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo (b) fluoranthene	14.89	Coelution	pagem	09/19/11 10:30
Benzo (k) fluoranthene	14.90	Wrong peak	pagem	09/19/11 10:30

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Instrument ID: HP5973W Analysis Batch Number: 30276Lab Sample ID: IC 480-30276/4 Client Sample ID: _____Date Analyzed: 09/07/11 13:29 Lab File ID: W4784.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	7.53	Coelution	pfenderk	09/08/11 09:22

Lab Sample ID: ICIS 480-30276/5 Client Sample ID: _____Date Analyzed: 09/07/11 13:53 Lab File ID: W4785.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol	5.58	Cut Peak	pfenderk	09/08/11 09:08
Benzoic acid	7.49	Coelution	pfenderk	09/08/11 09:08

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Instrument ID: HP5973W Analysis Batch Number: 30456Lab Sample ID: 480-9072-2 Client Sample ID: SB-B5 (5-9)Date Analyzed: 09/08/11 13:36 Lab File ID: W4840.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dibenz(a,h)anthracene	16.76	Assign Peak	pfenderk	09/09/11 17:01

SAMPLE SUMMARY

Client: CHA Inc

Job Number: 480-9072-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-9072-1	SB-B4 (5-8)	Solid	08/25/2011 0830	08/27/2011 0930
480-9072-2	SB-B5 (5-9)	Solid	08/25/2011 0945	08/27/2011 0930
480-9072-3	SB-B6 (5-9)	Solid	08/25/2011 1415	08/27/2011 0930
480-9503-1	SB-C3 (5-8)	Solid	09/06/2011 1045	09/08/2011 0930
480-9503-2	SB-C6 (5-6)	Solid	09/06/2011 1240	09/08/2011 0930
480-9503-3	SB-C8 (3-4)	Solid	09/06/2011 1315	09/08/2011 0930
480-9503-4	SB-C1 (5-8)	Solid	09/06/2011 1410	09/08/2011 0930
480-9503-5	DUP-01	Solid	09/06/2011 1000	09/08/2011 0930
480-9503-6	SB-B1 (5-9)	Solid	09/07/2011 0750	09/08/2011 0930
480-9503-6MS	SB-B1 (5-9)	Solid	09/07/2011 0750	09/08/2011 0930
480-9503-6MSD	SB-B1 (5-9)	Solid	09/07/2011 0750	09/08/2011 0930
480-9503-7	SB-B2 (3-4)	Solid	09/07/2011 0945	09/08/2011 0930
480-9503-8	DUP-02	Solid	09/07/2011 1100	09/08/2011 0930
480-9503-9TB	TRIP BLANK	Water	09/07/2011 0000	09/08/2011 0930

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-9072-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-9072-1	SB-B4 (5-8)					
Percent Moisture		7.4		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture
480-9072-2	SB-B5 (5-9)					
Benzo(a)anthracene		43	J	190	ug/Kg	8270C
Benzo(a)pyrene		58	J	190	ug/Kg	8270C
Benzo(b)fluoranthene		66	J	190	ug/Kg	8270C
Benzo(g,h,i)perylene		54	J	190	ug/Kg	8270C
Benzo(k)fluoranthene		43	J	190	ug/Kg	8270C
Chrysene		55	J	190	ug/Kg	8270C
Dibenz(a,h)anthracene		120	J	190	ug/Kg	8270C
Diethyl phthalate		17	J	190	ug/Kg	8270C
Fluoranthene		54	J	190	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		140	J	190	ug/Kg	8270C
Phenanthrene		20	J	190	ug/Kg	8270C
Pyrene		49	J	190	ug/Kg	8270C
Percent Moisture		12		0.10	%	Moisture
Percent Solids		88		0.10	%	Moisture
480-9072-3	SB-B6 (5-9)					
2-Methylnaphthalene		22	J	210	ug/Kg	8270C
Benzo(a)anthracene		35	J	210	ug/Kg	8270C
Benzo(a)pyrene		28	J	210	ug/Kg	8270C
Benzo(b)fluoranthene		39	J	210	ug/Kg	8270C
Benzo(g,h,i)perylene		35	J	210	ug/Kg	8270C
Benzo(k)fluoranthene		25	J	210	ug/Kg	8270C
Chrysene		33	J	210	ug/Kg	8270C
Diethyl phthalate		20	J	210	ug/Kg	8270C
Fluoranthene		45	J	210	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		140	J	210	ug/Kg	8270C
Phenanthrene		15	J	210	ug/Kg	8270C
Pyrene		39	J	210	ug/Kg	8270C
Percent Moisture		18		0.10	%	Moisture
Percent Solids		82		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-9072-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-9503-1	SB-C3 (5-8)					
Tetrachloroethene		0.58	J	3.6	ug/Kg	8260B
Trichloroethene		3.2	J	3.6	ug/Kg	8260B
2-Methylnaphthalene		75	J	200	ug/Kg	8270C
Acenaphthene		320		200	ug/Kg	8270C
Acenaphthylene		84	J	200	ug/Kg	8270C
Anthracene		510		200	ug/Kg	8270C
Benzo(a)anthracene		1200		200	ug/Kg	8270C
Benzo(a)pyrene		1200		200	ug/Kg	8270C
Benzo(b)fluoranthene		1300		200	ug/Kg	8270C
Benzo(g,h,i)perylene		810		200	ug/Kg	8270C
Benzo(k)fluoranthene		620		200	ug/Kg	8270C
Biphenyl		24	J	200	ug/Kg	8270C
Carbazole		190	J	200	ug/Kg	8270C
Chrysene		1200		200	ug/Kg	8270C
Dibenz(a,h)anthracene		230		200	ug/Kg	8270C
Dibenzofuran		160	J	200	ug/Kg	8270C
Fluoranthene		2900		200	ug/Kg	8270C
Fluorene		160	J	200	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		700		200	ug/Kg	8270C
Phenanthrene		2800		200	ug/Kg	8270C
Pyrene		2300		200	ug/Kg	8270C
Percent Moisture		16		0.10	%	Moisture
Percent Solids		84		0.10	%	Moisture
480-9503-2	SB-C6 (5-6)					
Anthracene		39	J	200	ug/Kg	8270C
Benzo(a)anthracene		95	J	200	ug/Kg	8270C
Benzo(a)pyrene		84	J	200	ug/Kg	8270C
Benzo(b)fluoranthene		100	J	200	ug/Kg	8270C
Benzo(g,h,i)perylene		58	J	200	ug/Kg	8270C
Benzo(k)fluoranthene		47	J	200	ug/Kg	8270C
Carbazole		27	J	200	ug/Kg	8270C
Chrysene		87	J	200	ug/Kg	8270C
Dibenz(a,h)anthracene		17	J	200	ug/Kg	8270C
Fluoranthene		200		200	ug/Kg	8270C
Fluorene		16	J	200	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		54	J	200	ug/Kg	8270C
Phenanthrene		160	J	200	ug/Kg	8270C
Pyrene		150	J	200	ug/Kg	8270C
Percent Moisture		14		0.10	%	Moisture
Percent Solids		86		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-9072-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-9503-3	SB-C8 (3-4)					
Acenaphthylene		16	J	180	ug/Kg	8270C
Anthracene		37	J	180	ug/Kg	8270C
Benzo(a)anthracene		220		180	ug/Kg	8270C
Benzo(a)pyrene		250		180	ug/Kg	8270C
Benzo(b)fluoranthene		270		180	ug/Kg	8270C
Benzo(g,h,i)perylene		210		180	ug/Kg	8270C
Benzo(k)fluoranthene		130	J	180	ug/Kg	8270C
Carbazole		11	J	180	ug/Kg	8270C
Chrysene		190		180	ug/Kg	8270C
Dibenz(a,h)anthracene		47	J	180	ug/Kg	8270C
Fluoranthene		430		180	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		170	J	180	ug/Kg	8270C
Phenanthrene		140	J	180	ug/Kg	8270C
Pyrene		370		180	ug/Kg	8270C
Percent Moisture		8.6		0.10	%	Moisture
Percent Solids		91		0.10	%	Moisture
480-9503-4	SB-C1 (5-8)					
Carbon tetrachloride		6.9		5.4	ug/Kg	8260B
Chloroform		6.7		5.4	ug/Kg	8260B
Tetrachloroethene		3.8	J	5.4	ug/Kg	8260B
Trichloroethene		79		5.4	ug/Kg	8260B
2-Methylnaphthalene		63	J	200	ug/Kg	8270C
Acenaphthylene		24	J	200	ug/Kg	8270C
Anthracene		47	J	200	ug/Kg	8270C
Benzo(a)anthracene		220		200	ug/Kg	8270C
Benzo(a)pyrene		240		200	ug/Kg	8270C
Benzo(b)fluoranthene		280		200	ug/Kg	8270C
Benzo(g,h,i)perylene		220		200	ug/Kg	8270C
Benzo(k)fluoranthene		140	J	200	ug/Kg	8270C
Carbazole		16	J	200	ug/Kg	8270C
Chrysene		270		200	ug/Kg	8270C
Dibenz(a,h)anthracene		60	J	200	ug/Kg	8270C
Dibenzofuran		32	J	200	ug/Kg	8270C
Fluoranthene		370		200	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		170	J	200	ug/Kg	8270C
Naphthalene		42	J	200	ug/Kg	8270C
Phenanthrene		220		200	ug/Kg	8270C
Pyrene		300		200	ug/Kg	8270C
Percent Moisture		18		0.10	%	Moisture
Percent Solids		82		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-9072-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-9503-5	DUP-01					
Trichloroethene		3.1	J	4.3	ug/Kg	8260B
2-Methylnaphthalene		29	J	200	ug/Kg	8270C
Acenaphthene		54	J	200	ug/Kg	8270C
Acenaphthylene		53	J	200	ug/Kg	8270C
Anthracene		120	J	200	ug/Kg	8270C
Benzo(a)anthracene		340		200	ug/Kg	8270C
Benzo(a)pyrene		390		200	ug/Kg	8270C
Benzo(b)fluoranthene		420		200	ug/Kg	8270C
Benzo(g,h,i)perylene		270		200	ug/Kg	8270C
Benzo(k)fluoranthene		230		200	ug/Kg	8270C
Carbazole		32	J	200	ug/Kg	8270C
Chrysene		370		200	ug/Kg	8270C
Dibenz(a,h)anthracene		67	J	200	ug/Kg	8270C
Dibenzofuran		45	J	200	ug/Kg	8270C
Fluoranthene		690		200	ug/Kg	8270C
Fluorene		61	J	200	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		230		200	ug/Kg	8270C
Naphthalene		34	J	200	ug/Kg	8270C
Phenanthrene		520		200	ug/Kg	8270C
Pyrene		560		200	ug/Kg	8270C
Percent Moisture		15		0.10	%	Moisture
Percent Solids		85		0.10	%	Moisture
480-9503-6	SB-B1 (5-9)					
Acetone		23		19	ug/Kg	8260B
Ethylbenzene		1.8	J	3.8	ug/Kg	8260B
Toluene		0.42	J	3.8	ug/Kg	8260B
Xylenes, Total		6.6	J	7.6	ug/Kg	8260B
Anthracene		54	J	200	ug/Kg	8270C
Benzo(a)anthracene		8.0	J	200	ug/Kg	8270C
Chrysene		7.7	J	200	ug/Kg	8270C
Diethyl phthalate		28	J	200	ug/Kg	8270C
Fluoranthene		19	J	200	ug/Kg	8270C
Fluorene		110	J	200	ug/Kg	8270C
Phenanthrene		120	J	200	ug/Kg	8270C
Pyrene		31	J	200	ug/Kg	8270C
Percent Moisture		18		0.10	%	Moisture
Percent Solids		82		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-9072-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-9503-7	SB-B2 (3-4)					
Acetone		24	J	26	ug/Kg	8260B
Methyl acetate		1.5	J	5.2	ug/Kg	8260B
Toluene		0.99	J	5.2	ug/Kg	8260B
2-Methylnaphthalene		860	J	2000	ug/Kg	8270C
Acenaphthene		4500		2000	ug/Kg	8270C
Acenaphthylene		110	J	2000	ug/Kg	8270C
Anthracene		7600		2000	ug/Kg	8270C
Benzo(a)anthracene		13000		2000	ug/Kg	8270C
Benzo(a)pyrene		13000		2000	ug/Kg	8270C
Benzo(b)fluoranthene		14000		2000	ug/Kg	8270C
Benzo(g,h,i)perylene		8300		2000	ug/Kg	8270C
Benzo(k)fluoranthene		7000		2000	ug/Kg	8270C
Biphenyl		210	J	2000	ug/Kg	8270C
Carbazole		3100		2000	ug/Kg	8270C
Chrysene		12000		2000	ug/Kg	8270C
Dibenz(a,h)anthracene		2400		2000	ug/Kg	8270C
Dibenzofuran		1700	J	2000	ug/Kg	8270C
Fluoranthene		29000		2000	ug/Kg	8270C
Fluorene		3500		2000	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		7000		2000	ug/Kg	8270C
Naphthalene		1600	J	2000	ug/Kg	8270C
Phenanthrene		26000		2000	ug/Kg	8270C
Pyrene		22000		2000	ug/Kg	8270C
Percent Moisture		18		0.10	%	Moisture
Percent Solids		82		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-9072-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-9503-8	DUP-02					
2-Methylnaphthalene		890	J	990	ug/Kg	8270C
Acenaphthene		4400		990	ug/Kg	8270C
Acenaphthylene		160	J	990	ug/Kg	8270C
Anthracene		7900		990	ug/Kg	8270C
Benzo(a)anthracene		13000		990	ug/Kg	8270C
Benzo(a)pyrene		13000		990	ug/Kg	8270C
Benzo(b)fluoranthene		15000		990	ug/Kg	8270C
Benzo(g,h,i)perylene		7700		990	ug/Kg	8270C
Benzo(k)fluoranthene		6200		990	ug/Kg	8270C
Biphenyl		210	J	990	ug/Kg	8270C
Carbazole		3600		990	ug/Kg	8270C
Chrysene		13000		990	ug/Kg	8270C
Dibenz(a,h)anthracene		2200		990	ug/Kg	8270C
Dibenzofuran		1900		990	ug/Kg	8270C
Fluoranthene		26000		990	ug/Kg	8270C
Fluorene		3600		990	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		6400		990	ug/Kg	8270C
Naphthalene		1400		990	ug/Kg	8270C
Phenanthrene		25000		990	ug/Kg	8270C
Pyrene		22000		990	ug/Kg	8270C
Percent Moisture		15		0.10	%	Moisture
Percent Solids		85		0.10	%	Moisture
480-9503-9TB	TRIP BLANK					
Methylene Chloride		1.5	B	1.0	ug/L	8260B
Toluene		0.68	J	1.0	ug/L	8260B

METHOD SUMMARY

Client: CHA Inc

Job Number: 480-9072-1

Description		Lab Location	Method	Preparation Method
Matrix	Solid			
Volatile Organic Compounds (GC/MS)		TAL BUF	SW846 8260B	
Closed System Purge and Trap				SW846 5035
Semivolatile Organic Compounds (GC/MS)		TAL BUF	SW846 8270C	
Ultrasonic Extraction				SW846 3550B
Percent Moisture		TAL BUF	EPA Moisture	
Matrix	Water			
Volatile Organic Compounds (GC/MS)		TAL BUF	SW846 8260B	
Purge and Trap		TAL BUF		SW846 5030B

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: CHA Inc

Job Number: 480-9072-1

Method	Analyst	Analyst ID
SW846 8260B	Brandt, Todd R	TRB
SW846 8260B	Byrnes, Jennifer M	JMB
SW846 8260B	Jones, Rebecca	RJ
SW846 8260B	Quirk, Patrick J	PJQ
SW846 8270C	Page, Michelle	MP
SW846 8270C	Pfender, Karen	KP
EPA Moisture	Kinecki, Kenneth	KK
EPA Moisture	Robitaille, Zach L	ZLR

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B4 (5-8)

Lab Sample ID: 480-9072-1

Date Sampled: 08/25/2011 0830

Client Matrix: Solid

% Moisture: 7.4

Date Received: 08/27/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-29441	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-29456	Lab File ID:	P4772.D
Dilution:	1.0			Initial Weight/Volume:	5.961 g
Analysis Date:	08/30/2011 2003			Final Weight/Volume:	5 g
Prep Date:	08/30/2011 1148				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.33	4.5
1,1,2,2-Tetrachloroethane		ND		0.73	4.5
1,1,2-Trichloroethane		ND		0.59	4.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.0	4.5
1,1-Dichloroethane		ND		0.55	4.5
1,1-Dichloroethene		ND		0.55	4.5
1,2,4-Trichlorobenzene		ND		0.28	4.5
1,2-Dibromo-3-Chloropropane		ND		2.3	4.5
1,2-Dibromoethane		ND		0.58	4.5
1,2-Dichlorobenzene		ND		0.35	4.5
1,2-Dichloroethane		ND		0.23	4.5
1,2-Dichloropropane		ND		2.3	4.5
1,3-Dichlorobenzene		ND		0.23	4.5
1,4-Dichlorobenzene		ND		0.63	4.5
2-Hexanone		ND		2.3	23
2-Butanone (MEK)		ND		1.7	23
4-Methyl-2-pentanone (MIBK)		ND		1.5	23
Acetone		ND		3.8	23
Benzene		ND		0.22	4.5
Bromodichloromethane		ND		0.61	4.5
Bromoform		ND		2.3	4.5
Bromomethane		ND		0.41	4.5
Carbon disulfide		ND		2.3	4.5
Carbon tetrachloride		ND		0.44	4.5
Chlorobenzene		ND		0.60	4.5
Dibromochloromethane		ND		0.58	4.5
Chloroethane		ND		1.0	4.5
Chloroform		ND		0.28	4.5
Chloromethane		ND		0.27	4.5
cis-1,2-Dichloroethene		ND		0.58	4.5
cis-1,3-Dichloropropene		ND		0.65	4.5
Cyclohexane		ND		0.63	4.5
Dichlorodifluoromethane		ND		0.37	4.5
Ethylbenzene		ND		0.31	4.5
Isopropylbenzene		ND		0.68	4.5
Methyl acetate		ND		0.84	4.5
Methyl tert-butyl ether		ND		0.44	4.5
Methylcyclohexane		ND		0.69	4.5
Methylene Chloride		ND		2.1	4.5
Styrene		ND		0.23	4.5
Tetrachloroethene		ND		0.61	4.5
Toluene		ND		0.34	4.5
trans-1,2-Dichloroethene		ND		0.47	4.5
trans-1,3-Dichloropropene		ND		2.0	4.5
Trichloroethene		ND		1.0	4.5
Trichlorofluoromethane		ND		0.43	4.5

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B4 (5-8)

Lab Sample ID: 480-9072-1

Date Sampled: 08/25/2011 0830

Client Matrix: Solid

% Moisture: 7.4

Date Received: 08/27/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-29441	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-29456	Lab File ID:	P4772.D
Dilution:	1.0			Initial Weight/Volume:	5.961 g
Analysis Date:	08/30/2011 2003			Final Weight/Volume:	5 g
Prep Date:	08/30/2011 1148				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.55	4.5
Xylenes, Total		ND		0.76	9.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86		64 - 126
Toluene-d8 (Surr)	97		71 - 125
4-Bromofluorobenzene (Surr)	96		72 - 126

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B4 (5-8)

Lab Sample ID: 480-9072-1

Date Sampled: 08/25/2011 0830

Client Matrix: Solid

% Moisture: 7.4

Date Received: 08/27/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 480-29441

Instrument ID: HP5973P

Prep Method: 5035

Prep Batch: 480-29456

Lab File ID: P4772.D

Dilution: 1.0

Initial Weight/Volume: 5.961 g

Analysis Date: 08/30/2011 2003

Final Weight/Volume: 5 g

Prep Date: 08/30/2011 1148

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	13.40	18	T J
91-20-3	Naphthalene	17.75	1.8	J B

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B5 (5-9)

Lab Sample ID: 480-9072-2

Date Sampled: 08/25/2011 0945

Client Matrix: Solid

% Moisture: 11.6

Date Received: 08/27/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-29441	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-29456	Lab File ID:	P4773.D
Dilution:	1.0			Initial Weight/Volume:	5.814 g
Analysis Date:	08/30/2011 2028			Final Weight/Volume:	5 g
Prep Date:	08/30/2011 1148				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.35	4.9
1,1,2,2-Tetrachloroethane		ND		0.79	4.9
1,1,2-Trichloroethane		ND		0.63	4.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.1	4.9
1,1-Dichloroethane		ND		0.59	4.9
1,1-Dichloroethene		ND		0.60	4.9
1,2,4-Trichlorobenzene		ND		0.30	4.9
1,2-Dibromo-3-Chloropropane		ND		2.4	4.9
1,2-Dibromoethane		ND		0.62	4.9
1,2-Dichlorobenzene		ND		0.38	4.9
1,2-Dichloroethane		ND		0.24	4.9
1,2-Dichloropropane		ND		2.4	4.9
1,3-Dichlorobenzene		ND		0.25	4.9
1,4-Dichlorobenzene		ND		0.68	4.9
2-Hexanone		ND		2.4	24
2-Butanone (MEK)		ND		1.8	24
4-Methyl-2-pentanone (MIBK)		ND		1.6	24
Acetone		ND		4.1	24
Benzene		ND		0.24	4.9
Bromodichloromethane		ND		0.65	4.9
Bromoform		ND		2.4	4.9
Bromomethane		ND		0.44	4.9
Carbon disulfide		ND		2.4	4.9
Carbon tetrachloride		ND		0.47	4.9
Chlorobenzene		ND		0.64	4.9
Dibromochloromethane		ND		0.62	4.9
Chloroethane		ND		1.1	4.9
Chloroform		ND		0.30	4.9
Chloromethane		ND		0.29	4.9
cis-1,2-Dichloroethene		ND		0.62	4.9
cis-1,3-Dichloropropene		ND		0.70	4.9
Cyclohexane		ND		0.68	4.9
Dichlorodifluoromethane		ND		0.40	4.9
Ethylbenzene		ND		0.34	4.9
Isopropylbenzene		ND		0.73	4.9
Methyl acetate		ND		0.90	4.9
Methyl tert-butyl ether		ND		0.48	4.9
Methylcyclohexane		ND		0.74	4.9
Methylene Chloride		ND		2.2	4.9
Styrene		ND		0.24	4.9
Tetrachloroethene		ND		0.65	4.9
Toluene		ND		0.37	4.9
trans-1,2-Dichloroethene		ND		0.50	4.9
trans-1,3-Dichloropropene		ND		2.1	4.9
Trichloroethene		ND		1.1	4.9
Trichlorofluoromethane		ND		0.46	4.9

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B5 (5-9)

Lab Sample ID: 480-9072-2

Date Sampled: 08/25/2011 0945

Client Matrix: Solid

% Moisture: 11.6

Date Received: 08/27/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-29441	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-29456	Lab File ID:	P4773.D
Dilution:	1.0			Initial Weight/Volume:	5.814 g
Analysis Date:	08/30/2011 2028			Final Weight/Volume:	5 g
Prep Date:	08/30/2011 1148				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.59	4.9
Xylenes, Total		ND		0.82	9.7

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88		64 - 126
Toluene-d8 (Surr)	95		71 - 125
4-Bromofluorobenzene (Surr)	98		72 - 126

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B5 (5-9)

Lab Sample ID: 480-9072-2

Date Sampled: 08/25/2011 0945

Client Matrix: Solid

% Moisture: 11.6

Date Received: 08/27/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 480-29441

Instrument ID: HP5973P

Prep Method: 5035

Prep Batch: 480-29456

Lab File ID: P4773.D

Dilution: 1.0

Initial Weight/Volume: 5.814 g

Analysis Date: 08/30/2011 2028

Final Weight/Volume: 5 g

Prep Date: 08/30/2011 1148

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
556-67-2	Cyclotetrasiloxane, octamethyl-	13.39	36	T J N
91-20-3	Naphthalene	17.75	2.1	J B

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B6 (5-9)

Lab Sample ID: 480-9072-3

Date Sampled: 08/25/2011 1415

Client Matrix: Solid

% Moisture: 17.7

Date Received: 08/27/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-29441	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-29456	Lab File ID:	P4774.D
Dilution:	1.0			Initial Weight/Volume:	6.733 g
Analysis Date:	08/30/2011 2054			Final Weight/Volume:	5 g
Prep Date:	08/30/2011 1148				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.33	4.5
1,1,2,2-Tetrachloroethane		ND		0.73	4.5
1,1,2-Trichloroethane		ND		0.59	4.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.0	4.5
1,1-Dichloroethane		ND		0.55	4.5
1,1-Dichloroethene		ND		0.55	4.5
1,2,4-Trichlorobenzene		ND		0.27	4.5
1,2-Dibromo-3-Chloropropane		ND		2.3	4.5
1,2-Dibromoethane		ND		0.58	4.5
1,2-Dichlorobenzene		ND		0.35	4.5
1,2-Dichloroethane		ND		0.23	4.5
1,2-Dichloropropane		ND		2.3	4.5
1,3-Dichlorobenzene		ND		0.23	4.5
1,4-Dichlorobenzene		ND		0.63	4.5
2-Hexanone		ND		2.3	23
2-Butanone (MEK)		ND		1.7	23
4-Methyl-2-pentanone (MIBK)		ND		1.5	23
Acetone		ND		3.8	23
Benzene		ND		0.22	4.5
Bromodichloromethane		ND		0.60	4.5
Bromoform		ND		2.3	4.5
Bromomethane		ND		0.41	4.5
Carbon disulfide		ND		2.3	4.5
Carbon tetrachloride		ND		0.44	4.5
Chlorobenzene		ND		0.60	4.5
Dibromochloromethane		ND		0.58	4.5
Chloroethane		ND		1.0	4.5
Chloroform		ND		0.28	4.5
Chloromethane		ND		0.27	4.5
cis-1,2-Dichloroethene		ND		0.58	4.5
cis-1,3-Dichloropropene		ND		0.65	4.5
Cyclohexane		ND		0.63	4.5
Dichlorodifluoromethane		ND		0.37	4.5
Ethylbenzene		ND		0.31	4.5
Isopropylbenzene		ND		0.68	4.5
Methyl acetate		ND		0.84	4.5
Methyl tert-butyl ether		ND		0.44	4.5
Methylcyclohexane		ND		0.69	4.5
Methylene Chloride		ND		2.1	4.5
Styrene		ND		0.23	4.5
Tetrachloroethene		ND		0.61	4.5
Toluene		ND		0.34	4.5
trans-1,2-Dichloroethene		ND		0.47	4.5
trans-1,3-Dichloropropene		ND		2.0	4.5
Trichloroethene		ND		0.99	4.5
Trichlorofluoromethane		ND		0.43	4.5

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B6 (5-9)

Lab Sample ID: 480-9072-3

Date Sampled: 08/25/2011 1415

Client Matrix: Solid

% Moisture: 17.7

Date Received: 08/27/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-29441	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-29456	Lab File ID:	P4774.D
Dilution:	1.0			Initial Weight/Volume:	6.733 g
Analysis Date:	08/30/2011 2054			Final Weight/Volume:	5 g
Prep Date:	08/30/2011 1148				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.55	4.5
Xylenes, Total		ND		0.76	9.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86		64 - 126
Toluene-d8 (Surr)	92		71 - 125
4-Bromofluorobenzene (Surr)	94		72 - 126

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B6 (5-9)

Lab Sample ID: 480-9072-3

Date Sampled: 08/25/2011 1415

Client Matrix: Solid

% Moisture: 17.7

Date Received: 08/27/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 480-29441

Instrument ID: HP5973P

Prep Method: 5035

Prep Batch: 480-29456

Lab File ID: P4774.D

Dilution: 1.0

Initial Weight/Volume: 6.733 g

Analysis Date: 08/30/2011 2054

Final Weight/Volume: 5 g

Prep Date: 08/30/2011 1148

Tentatively Identified Compounds**Number TIC's Found: 3**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
110-54-3	Hexane	5.75	22	J
556-67-2	Cyclotetrasiloxane, octamethyl-	13.39	24	T J N
91-20-3	Naphthalene	17.75	1.6	J B

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-C3 (5-8)

Lab Sample ID: 480-9503-1

Date Sampled: 09/06/2011 1045

Client Matrix: Solid

% Moisture: 15.6

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-30731	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-30734	Lab File ID:	F3814.D
Dilution:	1.0			Initial Weight/Volume:	8.157 g
Analysis Date:	09/10/2011 1603			Final Weight/Volume:	5 g
Prep Date:	09/10/2011 1341				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.26	3.6
1,1,2,2-Tetrachloroethane		ND		0.59	3.6
1,1,2-Trichloroethane		ND		0.47	3.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		0.83	3.6
1,1-Dichloroethane		ND		0.44	3.6
1,1-Dichloroethene		ND		0.44	3.6
1,2,4-Trichlorobenzene		ND		0.22	3.6
1,2-Dibromo-3-Chloropropane		ND		1.8	3.6
1,2-Dibromoethane		ND		0.47	3.6
1,2-Dichlorobenzene		ND		0.28	3.6
1,2-Dichloroethane		ND		0.18	3.6
1,2-Dichloropropane		ND		1.8	3.6
1,3-Dichlorobenzene		ND		0.19	3.6
1,4-Dichlorobenzene		ND		0.51	3.6
2-Hexanone		ND		1.8	18
2-Butanone (MEK)		ND		1.3	18
4-Methyl-2-pentanone (MIBK)		ND		1.2	18
Acetone		ND		3.1	18
Benzene		ND		0.18	3.6
Bromodichloromethane		ND		0.49	3.6
Bromoform		ND		1.8	3.6
Bromomethane		ND		0.33	3.6
Carbon disulfide		ND		1.8	3.6
Carbon tetrachloride		ND		0.35	3.6
Chlorobenzene		ND		0.48	3.6
Dibromochloromethane		ND		0.46	3.6
Chloroethane		ND		0.82	3.6
Chloroform		ND		0.22	3.6
Chloromethane		ND		0.22	3.6
cis-1,2-Dichloroethene		ND		0.46	3.6
cis-1,3-Dichloropropene		ND		0.52	3.6
Cyclohexane		ND		0.51	3.6
Dichlorodifluoromethane		ND		0.30	3.6
Ethylbenzene		ND		0.25	3.6
Isopropylbenzene		ND		0.55	3.6
Methyl acetate		ND		0.68	3.6
Methyl tert-butyl ether		ND		0.36	3.6
Methylcyclohexane		ND		0.55	3.6
Methylene Chloride		ND		1.7	3.6
Styrene		ND		0.18	3.6
Tetrachloroethene		0.58	J	0.49	3.6
Toluene		ND		0.27	3.6
trans-1,2-Dichloroethene		ND		0.37	3.6
trans-1,3-Dichloropropene		ND		1.6	3.6
Trichloroethene		3.2	J	0.80	3.6
Trichlorofluoromethane		ND		0.34	3.6

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-C3 (5-8)

Lab Sample ID: 480-9503-1

Date Sampled: 09/06/2011 1045

Client Matrix: Solid

% Moisture: 15.6

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-30731	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-30734	Lab File ID:	F3814.D
Dilution:	1.0			Initial Weight/Volume:	8.157 g
Analysis Date:	09/10/2011 1603			Final Weight/Volume:	5 g
Prep Date:	09/10/2011 1341				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.44	3.6
Xylenes, Total		ND		0.61	7.3

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		64 - 126
Toluene-d8 (Surr)	97		71 - 125
4-Bromofluorobenzene (Surr)	92		72 - 126

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-C3 (5-8)

Lab Sample ID: 480-9503-1

Date Sampled: 09/06/2011 1045

Client Matrix: Solid

% Moisture: 15.6

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 480-30731

Instrument ID: HP5973F

Prep Method: 5035

Prep Batch: 480-30734

Lab File ID: F3814.D

Dilution: 1.0

Initial Weight/Volume: 8.157 g

Analysis Date: 09/10/2011 1603

Final Weight/Volume: 5 g

Prep Date: 09/10/2011 1341

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	9.66	14	T J

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-C6 (5-6)

Lab Sample ID: 480-9503-2

Date Sampled: 09/06/2011 1240

Client Matrix: Solid

% Moisture: 13.9

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-30918	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-30734	Lab File ID:	F3834.D
Dilution:	1.0			Initial Weight/Volume:	6.518 g
Analysis Date:	09/12/2011 2058			Final Weight/Volume:	5 g
Prep Date:	09/12/2011 1814				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.32	4.5
1,1,2,2-Tetrachloroethane		ND		0.72	4.5
1,1,2-Trichloroethane		ND		0.58	4.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.0	4.5
1,1-Dichloroethane		ND		0.54	4.5
1,1-Dichloroethene		ND		0.55	4.5
1,2,4-Trichlorobenzene		ND		0.27	4.5
1,2-Dibromo-3-Chloropropane		ND		2.2	4.5
1,2-Dibromoethane		ND		0.57	4.5
1,2-Dichlorobenzene		ND		0.35	4.5
1,2-Dichloroethane		ND		0.22	4.5
1,2-Dichloropropane		ND		2.2	4.5
1,3-Dichlorobenzene		ND		0.23	4.5
1,4-Dichlorobenzene		ND		0.62	4.5
2-Hexanone		ND		2.2	22
2-Butanone (MEK)		ND		1.6	22
4-Methyl-2-pentanone (MIBK)		ND		1.5	22
Acetone		ND		3.7	22
Benzene		ND		0.22	4.5
Bromodichloromethane		ND		0.60	4.5
Bromoform		ND		2.2	4.5
Bromomethane		ND		0.40	4.5
Carbon disulfide		ND		2.2	4.5
Carbon tetrachloride		ND		0.43	4.5
Chlorobenzene		ND		0.59	4.5
Dibromochloromethane		ND		0.57	4.5
Chloroethane		ND		1.0	4.5
Chloroform		ND		0.28	4.5
Chloromethane		ND		0.27	4.5
cis-1,2-Dichloroethene		ND		0.57	4.5
cis-1,3-Dichloropropene		ND		0.64	4.5
Cyclohexane		ND		0.62	4.5
Dichlorodifluoromethane		ND		0.37	4.5
Ethylbenzene		ND		0.31	4.5
Isopropylbenzene		ND		0.67	4.5
Methyl acetate		ND		0.83	4.5
Methyl tert-butyl ether		ND		0.44	4.5
Methylcyclohexane		ND		0.68	4.5
Methylene Chloride		ND		2.0	4.5
Styrene		ND		0.22	4.5
Tetrachloroethene		ND		0.60	4.5
Toluene		ND		0.34	4.5
trans-1,2-Dichloroethene		ND		0.46	4.5
trans-1,3-Dichloropropene		ND		2.0	4.5
Trichloroethene		ND		0.98	4.5
Trichlorofluoromethane		ND		0.42	4.5

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-C6 (5-6)

Lab Sample ID: 480-9503-2

Date Sampled: 09/06/2011 1240

Client Matrix: Solid

% Moisture: 13.9

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-30918	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-30734	Lab File ID:	F3834.D
Dilution:	1.0			Initial Weight/Volume:	6.518 g
Analysis Date:	09/12/2011 2058			Final Weight/Volume:	5 g
Prep Date:	09/12/2011 1814				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.54	4.5
Xylenes, Total		ND		0.75	8.9

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		64 - 126
Toluene-d8 (Surr)	93		71 - 125
4-Bromofluorobenzene (Surr)	96		72 - 126

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-C6 (5-6)

Lab Sample ID: 480-9503-2

Date Sampled: 09/06/2011 1240

Client Matrix: Solid

% Moisture: 13.9

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 480-30918

Instrument ID: HP5973F

Prep Method: 5035

Prep Batch: 480-30734

Lab File ID: F3834.D

Dilution: 1.0

Initial Weight/Volume: 6.518 g

Analysis Date: 09/12/2011 2058

Final Weight/Volume: 5 g

Prep Date: 09/12/2011 1814

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	9.66	18	T J

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-C8 (3-4)

Lab Sample ID: 480-9503-3

Date Sampled: 09/06/2011 1315

Client Matrix: Solid

% Moisture: 8.6

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-30731	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-30734	Lab File ID:	F3816.D
Dilution:	1.0			Initial Weight/Volume:	5.92 g
Analysis Date:	09/10/2011 1654			Final Weight/Volume:	5 g
Prep Date:	09/10/2011 1341				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.34	4.6
1,1,2,2-Tetrachloroethane		ND		0.75	4.6
1,1,2-Trichloroethane		ND		0.60	4.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.1	4.6
1,1-Dichloroethane		ND		0.56	4.6
1,1-Dichloroethene		ND		0.57	4.6
1,2,4-Trichlorobenzene		ND		0.28	4.6
1,2-Dibromo-3-Chloropropane		ND		2.3	4.6
1,2-Dibromoethane		ND		0.59	4.6
1,2-Dichlorobenzene		ND		0.36	4.6
1,2-Dichloroethane		ND		0.23	4.6
1,2-Dichloropropane		ND		2.3	4.6
1,3-Dichlorobenzene		ND		0.24	4.6
1,4-Dichlorobenzene		ND		0.65	4.6
2-Hexanone		ND		2.3	23
2-Butanone (MEK)		ND		1.7	23
4-Methyl-2-pentanone (MIBK)		ND		1.5	23
Acetone		ND		3.9	23
Benzene		ND		0.23	4.6
Bromodichloromethane		ND		0.62	4.6
Bromoform		ND		2.3	4.6
Bromomethane		ND		0.42	4.6
Carbon disulfide		ND		2.3	4.6
Carbon tetrachloride		ND		0.45	4.6
Chlorobenzene		ND		0.61	4.6
Dibromochloromethane		ND		0.59	4.6
Chloroethane		ND		1.0	4.6
Chloroform		ND		0.29	4.6
Chloromethane		ND		0.28	4.6
cis-1,2-Dichloroethene		ND		0.59	4.6
cis-1,3-Dichloropropene		ND		0.67	4.6
Cyclohexane		ND		0.65	4.6
Dichlorodifluoromethane		ND		0.38	4.6
Ethylbenzene		ND		0.32	4.6
Isopropylbenzene		ND		0.70	4.6
Methyl acetate		ND		0.86	4.6
Methyl tert-butyl ether		ND		0.45	4.6
Methylcyclohexane		ND		0.70	4.6
Methylene Chloride		ND		2.1	4.6
Styrene		ND		0.23	4.6
Tetrachloroethene		ND		0.62	4.6
Toluene		ND		0.35	4.6
trans-1,2-Dichloroethene		ND		0.48	4.6
trans-1,3-Dichloropropene		ND		2.0	4.6
Trichloroethene		ND		1.0	4.6
Trichlorofluoromethane		ND		0.44	4.6

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-C8 (3-4)

Lab Sample ID: 480-9503-3

Date Sampled: 09/06/2011 1315

Client Matrix: Solid

% Moisture: 8.6

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-30731	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-30734	Lab File ID:	F3816.D
Dilution:	1.0			Initial Weight/Volume:	5.92 g
Analysis Date:	09/10/2011 1654			Final Weight/Volume:	5 g
Prep Date:	09/10/2011 1341				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.56	4.6
Xylenes, Total		ND		0.78	9.2

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		64 - 126
Toluene-d8 (Surr)	97		71 - 125
4-Bromofluorobenzene (Surr)	95		72 - 126

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-C8 (3-4)

Lab Sample ID: 480-9503-3

Date Sampled: 09/06/2011 1315

Client Matrix: Solid

% Moisture: 8.6

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 480-30731

Instrument ID: HP5973F

Prep Method: 5035

Prep Batch: 480-30734

Lab File ID: F3816.D

Dilution: 1.0

Initial Weight/Volume: 5.92 g

Analysis Date: 09/10/2011 1654

Final Weight/Volume: 5 g

Prep Date: 09/10/2011 1341

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
556-67-2	Cyclotetrasiloxane, octamethyl-	9.66	9.4	T J N

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-C1 (5-8)

Lab Sample ID: 480-9503-4

Date Sampled: 09/06/2011 1410

Client Matrix: Solid

% Moisture: 18.3

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-30731	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-30734	Lab File ID:	F3817.D
Dilution:	1.0			Initial Weight/Volume:	5.7 g
Analysis Date:	09/10/2011 1720			Final Weight/Volume:	5 g
Prep Date:	09/10/2011 1341				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.39	5.4
1,1,2,2-Tetrachloroethane		ND		0.87	5.4
1,1,2-Trichloroethane		ND		0.70	5.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.4
1,1-Dichloroethane		ND		0.65	5.4
1,1-Dichloroethene		ND		0.66	5.4
1,2,4-Trichlorobenzene		ND		0.33	5.4
1,2-Dibromo-3-Chloropropane		ND		2.7	5.4
1,2-Dibromoethane		ND		0.69	5.4
1,2-Dichlorobenzene		ND		0.42	5.4
1,2-Dichloroethane		ND		0.27	5.4
1,2-Dichloropropane		ND		2.7	5.4
1,3-Dichlorobenzene		ND		0.28	5.4
1,4-Dichlorobenzene		ND		0.75	5.4
2-Hexanone		ND		2.7	27
2-Butanone (MEK)		ND		2.0	27
4-Methyl-2-pentanone (MIBK)		ND		1.8	27
Acetone		ND		4.5	27
Benzene		ND		0.26	5.4
Bromodichloromethane		ND		0.72	5.4
Bromoform		ND		2.7	5.4
Bromomethane		ND		0.48	5.4
Carbon disulfide		ND		2.7	5.4
Carbon tetrachloride		6.9		0.52	5.4
Chlorobenzene		ND		0.71	5.4
Dibromochloromethane		ND		0.69	5.4
Chloroethane		ND		1.2	5.4
Chloroform		6.7		0.33	5.4
Chloromethane		ND		0.32	5.4
cis-1,2-Dichloroethene		ND		0.69	5.4
cis-1,3-Dichloropropene		ND		0.77	5.4
Cyclohexane		ND		0.75	5.4
Dichlorodifluoromethane		ND		0.44	5.4
Ethylbenzene		ND		0.37	5.4
Isopropylbenzene		ND		0.81	5.4
Methyl acetate		ND		1.0	5.4
Methyl tert-butyl ether		ND		0.53	5.4
Methylcyclohexane		ND		0.82	5.4
Methylene Chloride		ND		2.5	5.4
Styrene		ND		0.27	5.4
Tetrachloroethene		3.8	J	0.72	5.4
Toluene		ND		0.41	5.4
trans-1,2-Dichloroethene		ND		0.55	5.4
trans-1,3-Dichloropropene		ND		2.4	5.4
Trichloroethene		79		1.2	5.4
Trichlorofluoromethane		ND		0.51	5.4

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-C1 (5-8)

Lab Sample ID: 480-9503-4

Date Sampled: 09/06/2011 1410

Client Matrix: Solid

% Moisture: 18.3

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-30731	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-30734	Lab File ID:	F3817.D
Dilution:	1.0			Initial Weight/Volume:	5.7 g
Analysis Date:	09/10/2011 1720			Final Weight/Volume:	5 g
Prep Date:	09/10/2011 1341				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.65	5.4
Xylenes, Total		ND		0.90	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		64 - 126
Toluene-d8 (Surr)	98		71 - 125
4-Bromofluorobenzene (Surr)	90		72 - 126

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-C1 (5-8)

Lab Sample ID: 480-9503-4

Date Sampled: 09/06/2011 1410

Client Matrix: Solid

% Moisture: 18.3

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 480-30731

Instrument ID: HP5973F

Prep Method: 5035

Prep Batch: 480-30734

Lab File ID: F3817.D

Dilution: 1.0

Initial Weight/Volume: 5.7 g

Analysis Date: 09/10/2011 1720

Final Weight/Volume: 5 g

Prep Date: 09/10/2011 1341

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

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

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: DUP-01

Lab Sample ID: 480-9503-5

Date Sampled: 09/06/2011 1000

Client Matrix: Solid

% Moisture: 15.2

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-30731	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-30734	Lab File ID:	F3818.D
Dilution:	1.0			Initial Weight/Volume:	6.804 g
Analysis Date:	09/10/2011 1745			Final Weight/Volume:	5 g
Prep Date:	09/10/2011 1341				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.31	4.3
1,1,2,2-Tetrachloroethane		ND		0.70	4.3
1,1,2-Trichloroethane		ND		0.56	4.3
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		0.99	4.3
1,1-Dichloroethane		ND		0.53	4.3
1,1-Dichloroethene		ND		0.53	4.3
1,2,4-Trichlorobenzene		ND		0.26	4.3
1,2-Dibromo-3-Chloropropane		ND		2.2	4.3
1,2-Dibromoethane		ND		0.56	4.3
1,2-Dichlorobenzene		ND		0.34	4.3
1,2-Dichloroethane		ND		0.22	4.3
1,2-Dichloropropane		ND		2.2	4.3
1,3-Dichlorobenzene		ND		0.22	4.3
1,4-Dichlorobenzene		ND		0.61	4.3
2-Hexanone		ND		2.2	22
2-Butanone (MEK)		ND		1.6	22
4-Methyl-2-pentanone (MIBK)		ND		1.4	22
Acetone		ND		3.6	22
Benzene		ND		0.21	4.3
Bromodichloromethane		ND		0.58	4.3
Bromoform		ND		2.2	4.3
Bromomethane		ND		0.39	4.3
Carbon disulfide		ND		2.2	4.3
Carbon tetrachloride		ND		0.42	4.3
Chlorobenzene		ND		0.57	4.3
Dibromochloromethane		ND		0.55	4.3
Chloroethane		ND		0.98	4.3
Chloroform		ND		0.27	4.3
Chloromethane		ND		0.26	4.3
cis-1,2-Dichloroethene		ND		0.55	4.3
cis-1,3-Dichloropropene		ND		0.62	4.3
Cyclohexane		ND		0.61	4.3
Dichlorodifluoromethane		ND		0.36	4.3
Ethylbenzene		ND		0.30	4.3
Isopropylbenzene		ND		0.65	4.3
Methyl acetate		ND		0.81	4.3
Methyl tert-butyl ether		ND		0.43	4.3
Methylcyclohexane		ND		0.66	4.3
Methylene Chloride		ND		2.0	4.3
Styrene		ND		0.22	4.3
Tetrachloroethene		ND		0.58	4.3
Toluene		ND		0.33	4.3
trans-1,2-Dichloroethene		ND		0.45	4.3
trans-1,3-Dichloropropene		ND		1.9	4.3
Trichloroethene		3.1	J	0.95	4.3
Trichlorofluoromethane		ND		0.41	4.3

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: DUP-01

Lab Sample ID: 480-9503-5

Date Sampled: 09/06/2011 1000

Client Matrix: Solid

% Moisture: 15.2

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-30731	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-30734	Lab File ID:	F3818.D
Dilution:	1.0			Initial Weight/Volume:	6.804 g
Analysis Date:	09/10/2011 1745			Final Weight/Volume:	5 g
Prep Date:	09/10/2011 1341				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.53	4.3
Xylenes, Total		ND		0.73	8.7

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		64 - 126
Toluene-d8 (Surr)	97		71 - 125
4-Bromofluorobenzene (Surr)	92		72 - 126

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: DUP-01

Lab Sample ID: 480-9503-5

Date Sampled: 09/06/2011 1000

Client Matrix: Solid

% Moisture: 15.2

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 480-30731

Instrument ID: HP5973F

Prep Method: 5035

Prep Batch: 480-30734

Lab File ID: F3818.D

Dilution: 1.0

Initial Weight/Volume: 6.804 g

Analysis Date: 09/10/2011 1745

Final Weight/Volume: 5 g

Prep Date: 09/10/2011 1341

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
556-67-2	Cyclotetrasiloxane, octamethyl-	9.66	15	T J N

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B1 (5-9)

Lab Sample ID: 480-9503-6

Date Sampled: 09/07/2011 0750

Client Matrix: Solid

% Moisture: 18.2

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 480-30731

Instrument ID: HP5973F

Prep Method: 5035

Prep Batch: 480-30734

Lab File ID: F3819.D

Dilution: 1.0

Initial Weight/Volume: 8.018 g

Analysis Date: 09/10/2011 1811

Final Weight/Volume: 5 g

Prep Date: 09/10/2011 1341

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.28	3.8
1,1,2,2-Tetrachloroethane		ND		0.62	3.8
1,1,2-Trichloroethane		ND		0.50	3.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		0.87	3.8
1,1-Dichloroethane		ND		0.46	3.8
1,1-Dichloroethene		ND		0.47	3.8
1,2,4-Trichlorobenzene		ND		0.23	3.8
1,2-Dibromo-3-Chloropropane		ND		1.9	3.8
1,2-Dibromoethane		ND		0.49	3.8
1,2-Dichlorobenzene		ND		0.30	3.8
1,2-Dichloroethane		ND		0.19	3.8
1,2-Dichloropropane		ND		1.9	3.8
1,3-Dichlorobenzene		ND		0.20	3.8
1,4-Dichlorobenzene		ND		0.53	3.8
2-Hexanone		ND		1.9	19
2-Butanone (MEK)		ND		1.4	19
4-Methyl-2-pentanone (MIBK)		ND		1.2	19
Acetone		23		3.2	19
Benzene		ND		0.19	3.8
Bromodichloromethane		ND		0.51	3.8
Bromoform		ND		1.9	3.8
Bromomethane		ND		0.34	3.8
Carbon disulfide		ND		1.9	3.8
Carbon tetrachloride		ND		0.37	3.8
Chlorobenzene		ND		0.50	3.8
Dibromochloromethane		ND		0.49	3.8
Chloroethane		ND		0.86	3.8
Chloroform		ND		0.24	3.8
Chloromethane		ND		0.23	3.8
cis-1,2-Dichloroethene		ND		0.49	3.8
cis-1,3-Dichloropropene		ND		0.55	3.8
Cyclohexane		ND		0.53	3.8
Dichlorodifluoromethane		ND		0.31	3.8
Ethylbenzene		1.8	J	0.26	3.8
Isopropylbenzene		ND		0.57	3.8
Methyl acetate		ND		0.71	3.8
Methyl tert-butyl ether		ND		0.37	3.8
Methylcyclohexane		ND		0.58	3.8
Methylene Chloride		ND		1.8	3.8
Styrene		ND		0.19	3.8
Tetrachloroethene		ND		0.51	3.8
Toluene		0.42	J	0.29	3.8
trans-1,2-Dichloroethene		ND		0.39	3.8
trans-1,3-Dichloropropene		ND		1.7	3.8
Trichloroethene		ND		0.84	3.8
Trichlorofluoromethane		ND		0.36	3.8

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B1 (5-9)

Lab Sample ID: 480-9503-6

Date Sampled: 09/07/2011 0750

Client Matrix: Solid

% Moisture: 18.2

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-30731	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-30734	Lab File ID:	F3819.D
Dilution:	1.0			Initial Weight/Volume:	8.018 g
Analysis Date:	09/10/2011 1811			Final Weight/Volume:	5 g
Prep Date:	09/10/2011 1341				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.46	3.8
Xylenes, Total		6.6	J	0.64	7.6

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		64 - 126
Toluene-d8 (Surr)	93		71 - 125
4-Bromofluorobenzene (Surr)	96		72 - 126

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B1 (5-9)

Lab Sample ID: 480-9503-6

Date Sampled: 09/07/2011 0750

Client Matrix: Solid

% Moisture: 18.2

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 480-30731

Instrument ID: HP5973F

Prep Method: 5035

Prep Batch: 480-30734

Lab File ID: F3819.D

Dilution: 1.0

Initial Weight/Volume: 8.018 g

Analysis Date: 09/10/2011 1811

Final Weight/Volume: 5 g

Prep Date: 09/10/2011 1341

Tentatively Identified Compounds**Number TIC's Found: 10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	9.04	27	T J
	Unknown	9.31	30	T J
	Unknown	9.83	31	T J
	Unknown	10.61	71	T J
91-17-8	Naphthalene, decahydro-	11.10	110	T J N
	Unknown	11.51	40	T J
464-48-2	Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimet	11.63	56	T J N
	Unknown	11.81	38	T J
6682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethyl-	12.46	28	T J N
	Unknown	12.53	48	T J

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B2 (3-4)

Lab Sample ID: 480-9503-7

Date Sampled: 09/07/2011 0945

Client Matrix: Solid

% Moisture: 17.5

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-30731	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-30734	Lab File ID:	F3822.D
Dilution:	1.0			Initial Weight/Volume:	5.802 g
Analysis Date:	09/10/2011 1927			Final Weight/Volume:	5 g
Prep Date:	09/10/2011 1341				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.38	5.2
1,1,2,2-Tetrachloroethane		ND		0.85	5.2
1,1,2-Trichloroethane		ND		0.68	5.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.2
1,1-Dichloroethane		ND		0.64	5.2
1,1-Dichloroethene		ND		0.64	5.2
1,2,4-Trichlorobenzene		ND		0.32	5.2
1,2-Dibromo-3-Chloropropane		ND		2.6	5.2
1,2-Dibromoethane		ND		0.67	5.2
1,2-Dichlorobenzene		ND		0.41	5.2
1,2-Dichloroethane		ND		0.26	5.2
1,2-Dichloropropane		ND		2.6	5.2
1,3-Dichlorobenzene		ND		0.27	5.2
1,4-Dichlorobenzene		ND		0.73	5.2
2-Hexanone		ND		2.6	26
2-Butanone (MEK)		ND		1.9	26
4-Methyl-2-pentanone (MIBK)		ND		1.7	26
Acetone		24	J	4.4	26
Benzene		ND		0.26	5.2
Bromodichloromethane		ND		0.70	5.2
Bromoform		ND		2.6	5.2
Bromomethane		ND		0.47	5.2
Carbon disulfide		ND		2.6	5.2
Carbon tetrachloride		ND		0.51	5.2
Chlorobenzene		ND		0.69	5.2
Dibromochloromethane		ND		0.67	5.2
Chloroethane		ND		1.2	5.2
Chloroform		ND		0.32	5.2
Chloromethane		ND		0.32	5.2
cis-1,2-Dichloroethene		ND		0.67	5.2
cis-1,3-Dichloropropene		ND		0.75	5.2
Cyclohexane		ND		0.73	5.2
Dichlorodifluoromethane		ND		0.43	5.2
Ethylbenzene		ND		0.36	5.2
Isopropylbenzene		ND		0.79	5.2
Methyl acetate		1.5	J	0.97	5.2
Methyl tert-butyl ether		ND		0.51	5.2
Methylcyclohexane		ND		0.79	5.2
Methylene Chloride		ND		2.4	5.2
Styrene		ND		0.26	5.2
Tetrachloroethene		ND		0.70	5.2
Toluene		0.99	J	0.39	5.2
trans-1,2-Dichloroethene		ND		0.54	5.2
trans-1,3-Dichloropropene		ND		2.3	5.2
Trichloroethene		ND		1.1	5.2
Trichlorofluoromethane		ND		0.49	5.2

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B2 (3-4)

Lab Sample ID: 480-9503-7

Date Sampled: 09/07/2011 0945

Client Matrix: Solid

% Moisture: 17.5

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-30731	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-30734	Lab File ID:	F3822.D
Dilution:	1.0			Initial Weight/Volume:	5.802 g
Analysis Date:	09/10/2011 1927			Final Weight/Volume:	5 g
Prep Date:	09/10/2011 1341				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.64	5.2
Xylenes, Total		ND		0.88	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		64 - 126
Toluene-d8 (Surr)	96		71 - 125
4-Bromofluorobenzene (Surr)	96		72 - 126

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B2 (3-4)

Lab Sample ID: 480-9503-7

Date Sampled: 09/07/2011 0945

Client Matrix: Solid

% Moisture: 17.5

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 480-30731

Instrument ID: HP5973F

Prep Method: 5035

Prep Batch: 480-30734

Lab File ID: F3822.D

Dilution: 1.0

Initial Weight/Volume: 5.802 g

Analysis Date: 09/10/2011 1927

Final Weight/Volume: 5 g

Prep Date: 09/10/2011 1341

Tentatively Identified Compounds**Number TIC's Found: 6**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
1066-40-6	Silanol, trimethyl-	4.60	52	T J N
	Unknown	9.57	38	T J
24535-53-3	4-Nitro-4"-chlorodiphenylsulphoxide	9.65	25	T J N
573-98-8	Naphthalene, 1,2-dimethyl-	11.73	8.5	T J N
	Unknown	12.90	6.8	T J
2245-38-7	Naphthalene, 1,6,7-trimethyl-	13.37	14	T J N

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: DUP-02

Lab Sample ID: 480-9503-8

Date Sampled: 09/07/2011 1100

Client Matrix: Solid

% Moisture: 15.3

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-30731	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-30734	Lab File ID:	F3823.D
Dilution:	1.0			Initial Weight/Volume:	6.199 g
Analysis Date:	09/10/2011 1953			Final Weight/Volume:	5 g
Prep Date:	09/10/2011 1341				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.35	4.8
1,1,2,2-Tetrachloroethane		ND		0.77	4.8
1,1,2-Trichloroethane		ND		0.62	4.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.1	4.8
1,1-Dichloroethane		ND		0.58	4.8
1,1-Dichloroethene		ND		0.58	4.8
1,2,4-Trichlorobenzene		ND		0.29	4.8
1,2-Dibromo-3-Chloropropane		ND		2.4	4.8
1,2-Dibromoethane		ND		0.61	4.8
1,2-Dichlorobenzene		ND		0.37	4.8
1,2-Dichloroethane		ND		0.24	4.8
1,2-Dichloropropane		ND		2.4	4.8
1,3-Dichlorobenzene		ND		0.24	4.8
1,4-Dichlorobenzene		ND		0.67	4.8
2-Hexanone		ND		2.4	24
2-Butanone (MEK)		ND		1.7	24
4-Methyl-2-pentanone (MIBK)		ND		1.6	24
Acetone		ND		4.0	24
Benzene		ND		0.23	4.8
Bromodichloromethane		ND		0.64	4.8
Bromoform		ND		2.4	4.8
Bromomethane		ND		0.43	4.8
Carbon disulfide		ND		2.4	4.8
Carbon tetrachloride		ND		0.46	4.8
Chlorobenzene		ND		0.63	4.8
Dibromochloromethane		ND		0.61	4.8
Chloroethane		ND		1.1	4.8
Chloroform		ND		0.29	4.8
Chloromethane		ND		0.29	4.8
cis-1,2-Dichloroethene		ND		0.61	4.8
cis-1,3-Dichloropropene		ND		0.69	4.8
Cyclohexane		ND		0.67	4.8
Dichlorodifluoromethane		ND		0.39	4.8
Ethylbenzene		ND		0.33	4.8
Isopropylbenzene		ND		0.72	4.8
Methyl acetate		ND		0.89	4.8
Methyl tert-butyl ether		ND		0.47	4.8
Methylcyclohexane		ND		0.72	4.8
Methylene Chloride		ND		2.2	4.8
Styrene		ND		0.24	4.8
Tetrachloroethene		ND		0.64	4.8
Toluene		ND		0.36	4.8
trans-1,2-Dichloroethene		ND		0.49	4.8
trans-1,3-Dichloropropene		ND		2.1	4.8
Trichloroethene		ND		1.0	4.8
Trichlorofluoromethane		ND		0.45	4.8

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: DUP-02

Lab Sample ID: 480-9503-8

Date Sampled: 09/07/2011 1100

Client Matrix: Solid

% Moisture: 15.3

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-30731	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-30734	Lab File ID:	F3823.D
Dilution:	1.0			Initial Weight/Volume:	6.199 g
Analysis Date:	09/10/2011 1953			Final Weight/Volume:	5 g
Prep Date:	09/10/2011 1341				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.58	4.8
Xylenes, Total		ND		0.80	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		64 - 126
Toluene-d8 (Surr)	97		71 - 125
4-Bromofluorobenzene (Surr)	94		72 - 126

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: DUP-02

Lab Sample ID: 480-9503-8

Date Sampled: 09/07/2011 1100

Client Matrix: Solid

% Moisture: 15.3

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 480-30731

Instrument ID: HP5973F

Prep Method: 5035

Prep Batch: 480-30734

Lab File ID: F3823.D

Dilution: 1.0

Initial Weight/Volume: 6.199 g

Analysis Date: 09/10/2011 1953

Final Weight/Volume: 5 g

Prep Date: 09/10/2011 1341

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	9.65	9.0	T J

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-9503-9TB

Client Matrix: Water

Date Sampled: 09/07/2011 0000

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-31837	Instrument ID:	HP5973F
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	F3812.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	09/10/2011 1512			Final Weight/Volume:	5 mL
Prep Date:	09/10/2011 1512				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	1.5	B	0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	0.68	J	0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-9503-9TB

Date Sampled: 09/07/2011 0000

Client Matrix: Water

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-31837	Instrument ID:	HP5973F
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	F3812.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	09/10/2011 1512			Final Weight/Volume:	5 mL
Prep Date:	09/10/2011 1512				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		66 - 137
Toluene-d8 (Surr)	97		71 - 126
4-Bromofluorobenzene (Surr)	94		73 - 120

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-9503-9TB

Date Sampled: 09/07/2011 0000

Client Matrix: Water

Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-31837	Instrument ID:	HP5973F
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	F3812.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	09/10/2011 1512			Final Weight/Volume:	5 mL
Prep Date:	09/10/2011 1512				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
110-54-3	Hexane	4.10	0.58	J
	Unknown	4.61	6.4	T J

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B4 (5-8)

Lab Sample ID: 480-9072-1

Date Sampled: 08/25/2011 0830

Client Matrix: Solid

% Moisture: 7.4

Date Received: 08/27/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-30456	Instrument ID:	HP5973W
Prep Method:	3550B	Prep Batch:	480-29814	Lab File ID:	W4839.D
Dilution:	5.0			Initial Weight/Volume:	+30.23 g
Analysis Date:	09/08/2011 1313			Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 1326			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Biphenyl		ND		56	910
bis (2-chloroisopropyl) ether		ND		95	910
2,4,5-Trichlorophenol		ND		200	910
2,4,6-Trichlorophenol		ND		60	910
2,4-Dichlorophenol		ND		47	910
2,4-Dimethylphenol		ND		240	910
2,4-Dinitrophenol		ND		320	1800
2,4-Dinitrotoluene		ND		140	910
2,6-Dinitrotoluene		ND		220	910
2-Chloronaphthalene		ND		61	910
2-Chlorophenol		ND		46	910
2-Methylnaphthalene		ND		11	910
2-Methylphenol		ND		28	910
2-Nitroaniline		ND		290	1800
2-Nitrophenol		ND		41	910
3,3'-Dichlorobenzidine		ND		790	910
3-Nitroaniline		ND		210	1800
4,6-Dinitro-2-methylphenol		ND		310	1800
4-Bromophenyl phenyl ether		ND		290	910
4-Chloro-3-methylphenol		ND		37	910
4-Chloroaniline		ND		270	910
4-Chlorophenyl phenyl ether		ND		19	910
4-Methylphenol		ND		50	1800
4-Nitroaniline		ND		100	1800
4-Nitrophenol		ND		220	1800
Acenaphthene		ND		11	910
Acenaphthylene		ND		7.4	910
Acetophenone		ND		46	910
Anthracene		ND		23	910
Atrazine		ND		40	910
Benzaldehyde		ND		99	910
Benzo(a)anthracene		ND		16	910
Benzo(a)pyrene		ND		22	910
Benzo(b)fluoranthene		ND		18	910
Benzo(g,h,i)perylene		ND		11	910
Benzo(k)fluoranthene		ND		10	910
Bis(2-chloroethoxy)methane		ND		49	910
Bis(2-chloroethyl)ether		ND		78	910
Bis(2-ethylhexyl) phthalate		ND		290	910
Butyl benzyl phthalate		ND		240	910
Caprolactam		ND		390	910
Carbazole		ND		10	910
Chrysene		ND		9.0	910
Di-n-butyl phthalate		ND		310	910
Di-n-octyl phthalate		ND		21	910
Dibenz(a,h)anthracene		ND		11	910

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B4 (5-8)

Lab Sample ID: 480-9072-1

Date Sampled: 08/25/2011 0830

Client Matrix: Solid

% Moisture: 7.4

Date Received: 08/27/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-30456	Instrument ID:	HP5973W
Prep Method:	3550B	Prep Batch:	480-29814	Lab File ID:	W4839.D
Dilution:	5.0			Initial Weight/Volume:	+30.23 g
Analysis Date:	09/08/2011 1313			Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 1326			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		ND		9.4	910
Diethyl phthalate		ND		27	910
Dimethyl phthalate		ND		24	910
Fluoranthene		ND		13	910
Fluorene		ND		21	910
Hexachlorobenzene		ND		45	910
Hexachlorobutadiene		ND		46	910
Hexachlorocyclopentadiene		ND		270	910
Hexachloroethane		ND		70	910
Indeno(1,2,3-cd)pyrene		ND		25	910
Isophorone		ND		45	910
N-Nitrosodi-n-propylamine		ND		72	910
N-Nitrosodiphenylamine		ND		49	910
Naphthalene		ND		15	910
Nitrobenzene		ND		40	910
Pentachlorophenol		ND		310	1800
Phenanthrene		ND		19	910
Phenol		ND		95	910
Pyrene		ND		5.9	910

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	98		39 - 146
2-Fluorobiphenyl	104		37 - 120
2-Fluorophenol	77		18 - 120
Nitrobenzene-d5	89		34 - 132
p-Terphenyl-d14	112		58 - 147
Phenol-d5	89		11 - 120

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B4 (5-8)

Lab Sample ID: 480-9072-1

Date Sampled: 08/25/2011 0830

Client Matrix: Solid

% Moisture: 7.4

Date Received: 08/27/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270C

Analysis Batch: 480-30456

Instrument ID: HP5973W

Prep Method: 3550B

Prep Batch: 480-29814

Lab File ID: W4839.D

Dilution: 5.0

Initial Weight/Volume: +30.23 g

Analysis Date: 09/08/2011 1313

Final Weight/Volume: 1 mL

Prep Date: 09/01/2011 1326

Injection Volume: 1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
57-10-3	n-Hexadecanoic acid	12.28	1100	T J N
57-11-4	Octadecanoic acid	13.01	2300	T J N

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B5 (5-9)

Lab Sample ID: 480-9072-2

Date Sampled: 08/25/2011 0945

Client Matrix: Solid

% Moisture: 11.6

Date Received: 08/27/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-30456	Instrument ID:	HP5973W
Prep Method:	3550B	Prep Batch:	480-29814	Lab File ID:	W4840.D
Dilution:	1.0			Initial Weight/Volume:	+30.74 g
Analysis Date:	09/08/2011 1336			Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 1326			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Biphenyl		ND		12	190
bis (2-chloroisopropyl) ether		ND		19	190
2,4,5-Trichlorophenol		ND		41	190
2,4,6-Trichlorophenol		ND		12	190
2,4-Dichlorophenol		ND		9.8	190
2,4-Dimethylphenol		ND		50	190
2,4-Dinitrophenol		ND		65	360
2,4-Dinitrotoluene		ND		29	190
2,6-Dinitrotoluene		ND		46	190
2-Chloronaphthalene		ND		13	190
2-Chlorophenol		ND		9.5	190
2-Methylnaphthalene		ND		2.3	190
2-Methylphenol		ND		5.7	190
2-Nitroaniline		ND		60	360
2-Nitrophenol		ND		8.5	190
3,3'-Dichlorobenzidine		ND		160	190
3-Nitroaniline		ND		43	360
4,6-Dinitro-2-methylphenol		ND		64	360
4-Bromophenyl phenyl ether		ND		59	190
4-Chloro-3-methylphenol		ND		7.7	190
4-Chloroaniline		ND		55	190
4-Chlorophenyl phenyl ether		ND		4.0	190
4-Methylphenol		ND		10	360
4-Nitroaniline		ND		21	360
4-Nitrophenol		ND		45	360
Acenaphthene		ND		2.2	190
Acenaphthylene		ND		1.5	190
Acetophenone		ND		9.6	190
Anthracene		ND		4.8	190
Atrazine		ND		8.3	190
Benzaldehyde		ND		20	190
Benzo(a)anthracene		43	J	3.2	190
Benzo(a)pyrene		58	J	4.5	190
Benzo(b)fluoranthene		66	J	3.6	190
Benzo(g,h,i)perylene		54	J	2.2	190
Benzo(k)fluoranthene		43	J	2.1	190
Bis(2-chloroethoxy)methane		ND		10	190
Bis(2-chloroethyl)ether		ND		16	190
Bis(2-ethylhexyl) phthalate		ND		60	190
Butyl benzyl phthalate		ND		50	190
Caprolactam		ND		81	190
Carbazole		ND		2.2	190
Chrysene		55	J	1.9	190
Di-n-butyl phthalate		ND		64	190
Di-n-octyl phthalate		ND		4.4	190
Dibenz(a,h)anthracene		120	J	2.2	190

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B5 (5-9)

Lab Sample ID: 480-9072-2

Date Sampled: 08/25/2011 0945

Client Matrix: Solid

% Moisture: 11.6

Date Received: 08/27/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-30456	Instrument ID:	HP5973W
Prep Method:	3550B	Prep Batch:	480-29814	Lab File ID:	W4840.D
Dilution:	1.0			Initial Weight/Volume:	+30.74 g
Analysis Date:	09/08/2011 1336			Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 1326			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		ND		1.9	190
Diethyl phthalate		17	J	5.6	190
Dimethyl phthalate		ND		4.9	190
Fluoranthene		54	J	2.7	190
Fluorene		ND		4.3	190
Hexachlorobenzene		ND		9.3	190
Hexachlorobutadiene		ND		9.5	190
Hexachlorocyclopentadiene		ND		56	190
Hexachloroethane		ND		14	190
Indeno(1,2,3-cd)pyrene		140	J	5.2	190
Isophorone		ND		9.3	190
N-Nitrosodi-n-propylamine		ND		15	190
N-Nitrosodiphenylamine		ND		10	190
Naphthalene		ND		3.1	190
Nitrobenzene		ND		8.3	190
Pentachlorophenol		ND		64	360
Phenanthrene		20	J	3.9	190
Phenol		ND		20	190
Pyrene		49	J	1.2	190

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	95		39 - 146
2-Fluorobiphenyl	79		37 - 120
2-Fluorophenol	64		18 - 120
Nitrobenzene-d5	75		34 - 132
p-Terphenyl-d14	97		58 - 147
Phenol-d5	72		11 - 120

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B5 (5-9)

Lab Sample ID: 480-9072-2

Date Sampled: 08/25/2011 0945

Client Matrix: Solid

% Moisture: 11.6

Date Received: 08/27/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-30456	Instrument ID:	HP5973W
Prep Method:	3550B	Prep Batch:	480-29814	Lab File ID:	W4840.D
Dilution:	1.0			Initial Weight/Volume:	+30.74 g
Analysis Date:	09/08/2011 1336			Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 1326			Injection Volume:	1 uL

Tentatively Identified Compounds**Number TIC's Found: 3**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
79-0-5	Ethane, 1,1,2-trichloro-	3.03	320	T J N
79-34-5	Ethane, 1,1,2,2-tetrachloro-	4.89	550	T J N
	Unknown	13.68	280	T J

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B6 (5-9)

Lab Sample ID: 480-9072-3

Date Sampled: 08/25/2011 1415

Client Matrix: Solid

% Moisture: 17.7

Date Received: 08/27/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-30456	Instrument ID:	HP5973W
Prep Method:	3550B	Prep Batch:	480-29814	Lab File ID:	W4841.D
Dilution:	1.0			Initial Weight/Volume:	+30.20 g
Analysis Date:	09/08/2011 1400			Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 1326			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Biphenyl		ND		13	210
bis (2-chloroisopropyl) ether		ND		21	210
2,4,5-Trichlorophenol		ND		44	210
2,4,6-Trichlorophenol		ND		13	210
2,4-Dichlorophenol		ND		11	210
2,4-Dimethylphenol		ND		55	210
2,4-Dinitrophenol		ND		71	400
2,4-Dinitrotoluene		ND		32	210
2,6-Dinitrotoluene		ND		50	210
2-Chloronaphthalene		ND		14	210
2-Chlorophenol		ND		10	210
2-Methylnaphthalene		22	J	2.5	210
2-Methylphenol		ND		6.3	210
2-Nitroaniline		ND		65	400
2-Nitrophenol		ND		9.3	210
3,3'-Dichlorobenzidine		ND		180	210
3-Nitroaniline		ND		47	400
4,6-Dinitro-2-methylphenol		ND		70	400
4-Bromophenyl phenyl ether		ND		65	210
4-Chloro-3-methylphenol		ND		8.4	210
4-Chloroaniline		ND		60	210
4-Chlorophenyl phenyl ether		ND		4.3	210
4-Methylphenol		ND		11	400
4-Nitroaniline		ND		23	400
4-Nitrophenol		ND		49	400
Acenaphthene		ND		2.4	210
Acenaphthylene		ND		1.7	210
Acetophenone		ND		10	210
Anthracene		ND		5.2	210
Atrazine		ND		9.1	210
Benzaldehyde		ND		22	210
Benzo(a)anthracene		35	J	3.5	210
Benzo(a)pyrene		28	J	4.9	210
Benzo(b)fluoranthene		39	J	4.0	210
Benzo(g,h,i)perylene		35	J	2.4	210
Benzo(k)fluoranthene		25	J	2.2	210
Bis(2-chloroethoxy)methane		ND		11	210
Bis(2-chloroethyl)ether		ND		18	210
Bis(2-ethylhexyl) phthalate		ND		66	210
Butyl benzyl phthalate		ND		55	210
Caprolactam		ND		88	210
Carbazole		ND		2.4	210
Chrysene		33	J	2.0	210
Di-n-butyl phthalate		ND		70	210
Di-n-octyl phthalate		ND		4.8	210
Dibenz(a,h)anthracene		ND		2.4	210

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B6 (5-9)

Lab Sample ID: 480-9072-3

Date Sampled: 08/25/2011 1415

Client Matrix: Solid

% Moisture: 17.7

Date Received: 08/27/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-30456	Instrument ID:	HP5973W
Prep Method:	3550B	Prep Batch:	480-29814	Lab File ID:	W4841.D
Dilution:	1.0			Initial Weight/Volume:	+30.20 g
Analysis Date:	09/08/2011 1400			Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 1326			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		ND		2.1	210
Diethyl phthalate		20	J	6.2	210
Dimethyl phthalate		ND		5.3	210
Fluoranthene		45	J	3.0	210
Fluorene		ND		4.7	210
Hexachlorobenzene		ND		10	210
Hexachlorobutadiene		ND		10	210
Hexachlorocyclopentadiene		ND		62	210
Hexachloroethane		ND		16	210
Indeno(1,2,3-cd)pyrene		140	J	5.6	210
Isophorone		ND		10	210
N-Nitrosodi-n-propylamine		ND		16	210
N-Nitrosodiphenylamine		ND		11	210
Naphthalene		ND		3.4	210
Nitrobenzene		ND		9.0	210
Pentachlorophenol		ND		70	400
Phenanthrene		15	J	4.3	210
Phenol		ND		21	210
Pyrene		39	J	1.3	210

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	97		39 - 146
2-Fluorobiphenyl	84		37 - 120
2-Fluorophenol	70		18 - 120
Nitrobenzene-d5	80		34 - 132
p-Terphenyl-d14	93		58 - 147
Phenol-d5	77		11 - 120

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B6 (5-9)

Lab Sample ID: 480-9072-3

Date Sampled: 08/25/2011 1415

Client Matrix: Solid

% Moisture: 17.7

Date Received: 08/27/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270C

Analysis Batch: 480-30456

Instrument ID: HP5973W

Prep Method: 3550B

Prep Batch: 480-29814

Lab File ID: W4841.D

Dilution: 1.0

Initial Weight/Volume: +30.20 g

Analysis Date: 09/08/2011 1400

Final Weight/Volume: 1 mL

Prep Date: 09/01/2011 1326

Injection Volume: 1 uL

Tentatively Identified Compounds**Number TIC's Found: 3**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
79-0-5	Ethane, 1,1,2-trichloro-	3.03	430	T J N
79-34-5	Ethane, 1,1,2,2-tetrachloro-	4.89	620	T J N
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	11.15	250	T J N

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-C3 (5-8)

Lab Sample ID: 480-9503-1

Date Sampled: 09/06/2011 1045

Client Matrix: Solid

% Moisture: 15.6

Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-30771	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-30582	Lab File ID:	V4926.D
Dilution:	1.0			Initial Weight/Volume:	+30.79 g
Analysis Date:	09/12/2011 1219			Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0945			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		43	200
2,4,6-Trichlorophenol		ND		13	200
2,4-Dichlorophenol		ND		10	200
2,4-Dimethylphenol		ND		53	200
2,4-Dinitrophenol		ND		68	380
2,4-Dinitrotoluene		ND		30	200
2,6-Dinitrotoluene		ND		48	200
2-Chloronaphthalene		ND		13	200
2-Chlorophenol		ND		9.9	200
2-Methylnaphthalene		75	J	2.4	200
2-Methylphenol		ND		6.0	200
2-Nitroaniline		ND		63	380
2-Nitrophenol		ND		8.9	200
3,3'-Dichlorobenzidine		ND		170	200
3-Nitroaniline		ND		45	380
4,6-Dinitro-2-methylphenol		ND		67	380
4-Bromophenyl phenyl ether		ND		62	200
4-Chloro-3-methylphenol		ND		8.0	200
4-Chloroaniline		ND		57	200
4-Chlorophenyl phenyl ether		ND		4.2	200
4-Methylphenol		ND		11	380
4-Nitroaniline		ND		22	380
4-Nitrophenol		ND		47	380
Acenaphthene		320		2.3	200
Acenaphthylene		84	J	1.6	200
Acetophenone		ND		10	200
Anthracene		510		5.0	200
Atrazine		ND		8.7	200
Benzaldehyde		ND		21	200
Benzo(a)anthracene		1200		3.4	200
Benzo(a)pyrene		1200		4.7	200
Benzo(b)fluoranthene		1300		3.8	200
Benzo(g,h,i)perylene		810		2.3	200
Benzo(k)fluoranthene		620		2.1	200
Biphenyl		24	J	12	200
bis (2-chloroisopropyl) ether		ND		20	200
Bis(2-chloroethoxy)methane		ND		11	200
Bis(2-chloroethyl)ether		ND		17	200
Bis(2-ethylhexyl) phthalate		ND		63	200
Butyl benzyl phthalate		ND		52	200
Caprolactam		ND		84	200
Carbazole		190	J	2.3	200
Chrysene		1200		1.9	200
Dibenz(a,h)anthracene		230		2.3	200
Dibenzofuran		160	J	2.0	200
Diethyl phthalate		ND		5.9	200

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-C3 (5-8)

Lab Sample ID: 480-9503-1

Date Sampled: 09/06/2011 1045

Client Matrix: Solid

% Moisture: 15.6

Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-30771	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-30582	Lab File ID:	V4926.D
Dilution:	1.0			Initial Weight/Volume:	+30.79 g
Analysis Date:	09/12/2011 1219			Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0945			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		5.1	200
Di-n-butyl phthalate		ND		67	200
Di-n-octyl phthalate		ND		4.6	200
Fluoranthene		2900		2.8	200
Fluorene		160	J	4.5	200
Hexachlorobenzene		ND		9.7	200
Hexachlorobutadiene		ND		10	200
Hexachlorocyclopentadiene		ND		59	200
Hexachloroethane		ND		15	200
Indeno(1,2,3-cd)pyrene		700		5.4	200
Isophorone		ND		9.7	200
Naphthalene		ND		3.2	200
Nitrobenzene		ND		8.6	200
N-Nitrosodi-n-propylamine		ND		15	200
N-Nitrosodiphenylamine		ND		11	200
Pentachlorophenol		ND		67	380
Phenanthrene		2800		4.1	200
Phenol		ND		21	200
Pyrene		2300		1.3	200

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	61		39 - 146
2-Fluorobiphenyl	97		37 - 120
2-Fluorophenol	78		18 - 120
Nitrobenzene-d5	86		34 - 132
Phenol-d5	92		11 - 120
p-Terphenyl-d14	100		58 - 147

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-C3 (5-8)

Lab Sample ID: 480-9503-1

Date Sampled: 09/06/2011 1045

Client Matrix: Solid

% Moisture: 15.6

Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270C

Analysis Batch: 480-30771

Instrument ID: HP5973V

Prep Method: 3550B

Prep Batch: 480-30582

Lab File ID: V4926.D

Dilution: 1.0

Initial Weight/Volume: +30.79 g

Analysis Date: 09/12/2011 1219

Final Weight/Volume: 1 mL

Prep Date: 09/09/2011 0945

Injection Volume: 1 uL

Tentatively Identified Compounds**Number TIC's Found: 13**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Voa Target	4.65	640	T J
	Unknown	12.06	360	T J
	Unknown	12.09	520	T J
	Unknown	12.17	500	T J
35465-71-5	2-Phenylnaphthalene	12.35	470	T J N
544-76-3	Hexadecane	13.61	160	T J N
82-5-3	7H-Benz[de]anthracen-7-one	13.70	150	T J N
629-78-7	Heptadecane	13.89	330	T J N
	Unknown alkane	14.16	240	T J
	Unknown	14.37	160	T J
	Unknown alkane	14.43	270	T J
	Unknown alkane	14.70	420	T J
	Unknown	15.22	1200	T J

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-C6 (5-6)

Lab Sample ID: 480-9503-2

Date Sampled: 09/06/2011 1240

Client Matrix: Solid

% Moisture: 13.9

Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-30771	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-30582	Lab File ID:	V4927.D
Dilution:	1.0			Initial Weight/Volume:	+30.26 g
Analysis Date:	09/12/2011 1243			Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0945			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		42	200
2,4,6-Trichlorophenol		ND		13	200
2,4-Dichlorophenol		ND		10	200
2,4-Dimethylphenol		ND		52	200
2,4-Dinitrophenol		ND		68	380
2,4-Dinitrotoluene		ND		30	200
2,6-Dinitrotoluene		ND		48	200
2-Chloronaphthalene		ND		13	200
2-Chlorophenol		ND		9.9	200
2-Methylnaphthalene		ND		2.4	200
2-Methylphenol		ND		6.0	200
2-Nitroaniline		ND		62	380
2-Nitrophenol		ND		8.9	200
3,3'-Dichlorobenzidine		ND		170	200
3-Nitroaniline		ND		45	380
4,6-Dinitro-2-methylphenol		ND		67	380
4-Bromophenyl phenyl ether		ND		62	200
4-Chloro-3-methylphenol		ND		8.0	200
4-Chloroaniline		ND		57	200
4-Chlorophenyl phenyl ether		ND		4.1	200
4-Methylphenol		ND		11	380
4-Nitroaniline		ND		22	380
4-Nitrophenol		ND		47	380
Acenaphthene		ND		2.3	200
Acenaphthylene		ND		1.6	200
Acetophenone		ND		10	200
Anthracene		39	J	5.0	200
Atrazine		ND		8.6	200
Benzaldehyde		ND		21	200
Benzo(a)anthracene		95	J	3.4	200
Benzo(a)pyrene		84	J	4.7	200
Benzo(b)fluoranthene		100	J	3.8	200
Benzo(g,h,i)perylene		58	J	2.3	200
Benzo(k)fluoranthene		47	J	2.1	200
Biphenyl		ND		12	200
bis (2-chloroisopropyl) ether		ND		20	200
Bis(2-chloroethoxy)methane		ND		11	200
Bis(2-chloroethyl)ether		ND		17	200
Bis(2-ethylhexyl) phthalate		ND		63	200
Butyl benzyl phthalate		ND		52	200
Caprolactam		ND		84	200
Carbazole		27	J	2.2	200
Chrysene		87	J	1.9	200
Dibenz(a,h)anthracene		17	J	2.3	200
Dibenzofuran		ND		2.0	200
Diethyl phthalate		ND		5.9	200

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-C6 (5-6)

Lab Sample ID: 480-9503-2

Date Sampled: 09/06/2011 1240

Client Matrix: Solid

% Moisture: 13.9

Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-30771	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-30582	Lab File ID:	V4927.D
Dilution:	1.0			Initial Weight/Volume:	+30.26 g
Analysis Date:	09/12/2011 1243			Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0945			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		5.1	200
Di-n-butyl phthalate		ND		67	200
Di-n-octyl phthalate		ND		4.5	200
Fluoranthene		200		2.8	200
Fluorene		16	J	4.5	200
Hexachlorobenzene		ND		9.7	200
Hexachlorobutadiene		ND		9.9	200
Hexachlorocyclopentadiene		ND		59	200
Hexachloroethane		ND		15	200
Indeno(1,2,3-cd)pyrene		54	J	5.4	200
Isophorone		ND		9.7	200
Naphthalene		ND		3.2	200
Nitrobenzene		ND		8.6	200
N-Nitrosodi-n-propylamine		ND		15	200
N-Nitrosodiphenylamine		ND		11	200
Pentachlorophenol		ND		67	380
Phenanthrene		160	J	4.1	200
Phenol		ND		20	200
Pyrene		150	J	1.3	200

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	66		39 - 146
2-Fluorobiphenyl	86		37 - 120
2-Fluorophenol	73		18 - 120
Nitrobenzene-d5	78		34 - 132
Phenol-d5	84		11 - 120
p-Terphenyl-d14	94		58 - 147

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-C6 (5-6)

Lab Sample ID: 480-9503-2

Date Sampled: 09/06/2011 1240

Client Matrix: Solid

% Moisture: 13.9

Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270C

Analysis Batch: 480-30771

Instrument ID: HP5973V

Prep Method: 3550B

Prep Batch: 480-30582

Lab File ID: V4927.D

Dilution: 1.0

Initial Weight/Volume: +30.26 g

Analysis Date: 09/12/2011 1243

Final Weight/Volume: 1 mL

Prep Date: 09/09/2011 0945

Injection Volume: 1 uL

Tentatively Identified Compounds**Number TIC's Found: 7**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	2.62	240	T J
	Voa Target	4.65	510	T J
	Unknown alkane	13.89	170	T J
	Unknown alkane	14.16	190	T J
	Unknown alkane	14.43	240	T J
	Unknown alkane	14.70	170	T J
	Unknown alkane	14.99	200	T J

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-C8 (3-4)

Lab Sample ID: 480-9503-3

Date Sampled: 09/06/2011 1315

Client Matrix: Solid

% Moisture: 8.6

Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-30771	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-30582	Lab File ID:	V4928.D
Dilution:	1.0			Initial Weight/Volume:	+30.62 g
Analysis Date:	09/12/2011 1307			Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0945			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		39	180
2,4,6-Trichlorophenol		ND		12	180
2,4-Dichlorophenol		ND		9.5	180
2,4-Dimethylphenol		ND		49	180
2,4-Dinitrophenol		ND		63	350
2,4-Dinitrotoluene		ND		28	180
2,6-Dinitrotoluene		ND		44	180
2-Chloronaphthalene		ND		12	180
2-Chlorophenol		ND		9.2	180
2-Methylnaphthalene		ND		2.2	180
2-Methylphenol		ND		5.6	180
2-Nitroaniline		ND		58	350
2-Nitrophenol		ND		8.3	180
3,3'-Dichlorobenzidine		ND		160	180
3-Nitroaniline		ND		42	350
4,6-Dinitro-2-methylphenol		ND		62	350
4-Bromophenyl phenyl ether		ND		58	180
4-Chloro-3-methylphenol		ND		7.4	180
4-Chloroaniline		ND		53	180
4-Chlorophenyl phenyl ether		ND		3.9	180
4-Methylphenol		ND		10	350
4-Nitroaniline		ND		20	350
4-Nitrophenol		ND		44	350
Acenaphthene		ND		2.1	180
Acenaphthylene		16	J	1.5	180
Acetophenone		ND		9.3	180
Anthracene		37	J	4.6	180
Atrazine		ND		8.1	180
Benzaldehyde		ND		20	180
Benzo(a)anthracene		220		3.1	180
Benzo(a)pyrene		250		4.4	180
Benzo(b)fluoranthene		270		3.5	180
Benzo(g,h,i)perylene		210		2.2	180
Benzo(k)fluoranthene		130	J	2.0	180
Biphenyl		ND		11	180
bis (2-chloroisopropyl) ether		ND		19	180
Bis(2-chloroethoxy)methane		ND		9.8	180
Bis(2-chloroethyl)ether		ND		16	180
Bis(2-ethylhexyl) phthalate		ND		58	180
Butyl benzyl phthalate		ND		49	180
Caprolactam		ND		78	180
Carbazole		11	J	2.1	180
Chrysene		190		1.8	180
Dibenz(a,h)anthracene		47	J	2.1	180
Dibenzofuran		ND		1.9	180
Diethyl phthalate		ND		5.5	180

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-C8 (3-4)

Lab Sample ID: 480-9503-3

Client Matrix: Solid

% Moisture: 8.6

Date Sampled: 09/06/2011 1315

Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-30771	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-30582	Lab File ID:	V4928.D
Dilution:	1.0			Initial Weight/Volume:	+30.62 g
Analysis Date:	09/12/2011 1307			Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0945			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		4.7	180
Di-n-butyl phthalate		ND		63	180
Di-n-octyl phthalate		ND		4.2	180
Fluoranthene		430		2.6	180
Fluorene		ND		4.2	180
Hexachlorobenzene		ND		9.0	180
Hexachlorobutadiene		ND		9.3	180
Hexachlorocyclopentadiene		ND		55	180
Hexachloroethane		ND		14	180
Indeno(1,2,3-cd)pyrene		170	J	5.0	180
Isophorone		ND		9.0	180
Naphthalene		ND		3.0	180
Nitrobenzene		ND		8.0	180
N-Nitrosodi-n-propylamine		ND		14	180
N-Nitrosodiphenylamine		ND		9.9	180
Pentachlorophenol		ND		62	350
Phenanthrene		140	J	3.8	180
Phenol		ND		19	180
Pyrene		370		1.2	180

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	72		39 - 146
2-Fluorobiphenyl	94		37 - 120
2-Fluorophenol	82		18 - 120
Nitrobenzene-d5	86		34 - 132
Phenol-d5	91		11 - 120
p-Terphenyl-d14	101		58 - 147

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-C8 (3-4)

Lab Sample ID: 480-9503-3

Date Sampled: 09/06/2011 1315

Client Matrix: Solid

% Moisture: 8.6

Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270C

Analysis Batch: 480-30771

Instrument ID: HP5973V

Prep Method: 3550B

Prep Batch: 480-30582

Lab File ID: V4928.D

Dilution: 1.0

Initial Weight/Volume: +30.62 g

Analysis Date: 09/12/2011 1307

Final Weight/Volume: 1 mL

Prep Date: 09/09/2011 0945

Injection Volume: 1 uL

Tentatively Identified Compounds**Number TIC's Found: 3**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Voa Target	2.62	270	T J
	Voa Target	4.66	580	T J
	Unknown	15.22	160	T J

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-C1 (5-8)

Lab Sample ID: 480-9503-4

Date Sampled: 09/06/2011 1410

Client Matrix: Solid

% Moisture: 18.3

Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-30771	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-30582	Lab File ID:	V4929.D
Dilution:	1.0			Initial Weight/Volume:	+30.76 g
Analysis Date:	09/12/2011 1330			Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0945			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		44	200
2,4,6-Trichlorophenol		ND		13	200
2,4-Dichlorophenol		ND		11	200
2,4-Dimethylphenol		ND		54	200
2,4-Dinitrophenol		ND		71	390
2,4-Dinitrotoluene		ND		31	200
2,6-Dinitrotoluene		ND		49	200
2-Chloronaphthalene		ND		14	200
2-Chlorophenol		ND		10	200
2-Methylnaphthalene		63	J	2.4	200
2-Methylphenol		ND		6.2	200
2-Nitroaniline		ND		65	390
2-Nitrophenol		ND		9.2	200
3,3'-Dichlorobenzidine		ND		180	200
3-Nitroaniline		ND		46	390
4,6-Dinitro-2-methylphenol		ND		70	390
4-Bromophenyl phenyl ether		ND		64	200
4-Chloro-3-methylphenol		ND		8.3	200
4-Chloroaniline		ND		59	200
4-Chlorophenyl phenyl ether		ND		4.3	200
4-Methylphenol		ND		11	390
4-Nitroaniline		ND		23	390
4-Nitrophenol		ND		49	390
Acenaphthene		ND		2.4	200
Acenaphthylene		24	J	1.6	200
Acetophenone		ND		10	200
Anthracene		47	J	5.2	200
Atrazine		ND		9.0	200
Benzaldehyde		ND		22	200
Benzo(a)anthracene		220		3.5	200
Benzo(a)pyrene		240		4.9	200
Benzo(b)fluoranthene		280		3.9	200
Benzo(g,h,i)perylene		220		2.4	200
Benzo(k)fluoranthene		140	J	2.2	200
Biphenyl		ND		13	200
bis (2-chloroisopropyl) ether		ND		21	200
Bis(2-chloroethoxy)methane		ND		11	200
Bis(2-chloroethyl)ether		ND		17	200
Bis(2-ethylhexyl) phthalate		ND		65	200
Butyl benzyl phthalate		ND		54	200
Caprolactam		ND		87	200
Carbazole		16	J	2.3	200
Chrysene		270		2.0	200
Dibenz(a,h)anthracene		60	J	2.4	200
Dibenzofuran		32	J	2.1	200
Diethyl phthalate		ND		6.1	200

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-C1 (5-8)

Lab Sample ID: 480-9503-4

Date Sampled: 09/06/2011 1410

Client Matrix: Solid

% Moisture: 18.3

Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-30771	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-30582	Lab File ID:	V4929.D
Dilution:	1.0			Initial Weight/Volume:	+30.76 g
Analysis Date:	09/12/2011 1330			Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0945			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		5.3	200
Di-n-butyl phthalate		ND		70	200
Di-n-octyl phthalate		ND		4.7	200
Fluoranthene		370		2.9	200
Fluorene		ND		4.6	200
Hexachlorobenzene		ND		10	200
Hexachlorobutadiene		ND		10	200
Hexachlorocyclopentadiene		ND		61	200
Hexachloroethane		ND		16	200
Indeno(1,2,3-cd)pyrene		170	J	5.6	200
Isophorone		ND		10	200
Naphthalene		42	J	3.4	200
Nitrobenzene		ND		8.9	200
N-Nitrosodi-n-propylamine		ND		16	200
N-Nitrosodiphenylamine		ND		11	200
Pentachlorophenol		ND		69	390
Phenanthrene		220		4.2	200
Phenol		ND		21	200
Pyrene		300		1.3	200

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	75		39 - 146
2-Fluorobiphenyl	92		37 - 120
2-Fluorophenol	75		18 - 120
Nitrobenzene-d5	81		34 - 132
Phenol-d5	87		11 - 120
p-Terphenyl-d14	93		58 - 147

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-C1 (5-8)

Lab Sample ID: 480-9503-4

Date Sampled: 09/06/2011 1410

Client Matrix: Solid

% Moisture: 18.3

Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270C

Analysis Batch: 480-30771

Instrument ID: HP5973V

Prep Method: 3550B

Prep Batch: 480-30582

Lab File ID: V4929.D

Dilution: 1.0

Initial Weight/Volume: +30.76 g

Analysis Date: 09/12/2011 1330

Final Weight/Volume: 1 mL

Prep Date: 09/09/2011 0945

Injection Volume: 1 uL

Tentatively Identified Compounds**Number TIC's Found: 11**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
79-1-6	Trichloroethylene	1.86	670	T J N
	Voa Target	4.66	620	T J
	Unknown alkane	13.60	210	T J
630-7-9	Pentatriacontane	13.89	370	T J N
	Unknown alkane	14.16	470	T J
	Unknown alkane	14.43	480	T J
	Unknown alkane	14.70	380	T J
	Unknown alkane	14.99	500	T J
	Unknown	15.22	230	T J
	Unknown alkane	15.30	300	T J
	Unknown alkane	15.64	210	T J

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: DUP-01

Lab Sample ID: 480-9503-5

Date Sampled: 09/06/2011 1000

Client Matrix: Solid

% Moisture: 15.2

Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-30771	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-30582	Lab File ID:	V4930.D
Dilution:	1.0			Initial Weight/Volume:	+30.42 g
Analysis Date:	09/12/2011 1354			Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0945			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		43	200
2,4,6-Trichlorophenol		ND		13	200
2,4-Dichlorophenol		ND		10	200
2,4-Dimethylphenol		ND		53	200
2,4-Dinitrophenol		ND		69	380
2,4-Dinitrotoluene		ND		30	200
2,6-Dinitrotoluene		ND		48	200
2-Chloronaphthalene		ND		13	200
2-Chlorophenol		ND		10	200
2-Methylnaphthalene		29	J	2.4	200
2-Methylphenol		ND		6.0	200
2-Nitroaniline		ND		63	380
2-Nitrophenol		ND		9.0	200
3,3'-Dichlorobenzidine		ND		170	200
3-Nitroaniline		ND		45	380
4,6-Dinitro-2-methylphenol		ND		68	380
4-Bromophenyl phenyl ether		ND		62	200
4-Chloro-3-methylphenol		ND		8.1	200
4-Chloroaniline		ND		58	200
4-Chlorophenyl phenyl ether		ND		4.2	200
4-Methylphenol		ND		11	380
4-Nitroaniline		ND		22	380
4-Nitrophenol		ND		48	380
Acenaphthene		54	J	2.3	200
Acenaphthylene		53	J	1.6	200
Acetophenone		ND		10	200
Anthracene		120	J	5.0	200
Atrazine		ND		8.7	200
Benzaldehyde		ND		22	200
Benzo(a)anthracene		340		3.4	200
Benzo(a)pyrene		390		4.7	200
Benzo(b)fluoranthene		420		3.8	200
Benzo(g,h,i)perylene		270		2.4	200
Benzo(k)fluoranthene		230		2.2	200
Biphenyl		ND		12	200
bis (2-chloroisopropyl) ether		ND		21	200
Bis(2-chloroethoxy)methane		ND		11	200
Bis(2-chloroethyl)ether		ND		17	200
Bis(2-ethylhexyl) phthalate		ND		63	200
Butyl benzyl phthalate		ND		53	200
Caprolactam		ND		85	200
Carbazole		32	J	2.3	200
Chrysene		370		2.0	200
Dibenz(a,h)anthracene		67	J	2.3	200
Dibenzofuran		45	J	2.0	200
Diethyl phthalate		ND		5.9	200

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: DUP-01

Lab Sample ID: 480-9503-5

Date Sampled: 09/06/2011 1000

Client Matrix: Solid

% Moisture: 15.2

Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-30771	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-30582	Lab File ID:	V4930.D
Dilution:	1.0			Initial Weight/Volume:	+30.42 g
Analysis Date:	09/12/2011 1354			Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0945			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		5.1	200
Di-n-butyl phthalate		ND		68	200
Di-n-octyl phthalate		ND		4.6	200
Fluoranthene		690		2.8	200
Fluorene		61	J	4.5	200
Hexachlorobenzene		ND		9.8	200
Hexachlorobutadiene		ND		10	200
Hexachlorocyclopentadiene		ND		59	200
Hexachloroethane		ND		15	200
Indeno(1,2,3-cd)pyrene		230		5.4	200
Isophorone		ND		9.8	200
Naphthalene		34	J	3.3	200
Nitrobenzene		ND		8.7	200
N-Nitrosodi-n-propylamine		ND		16	200
N-Nitrosodiphenylamine		ND		11	200
Pentachlorophenol		ND		67	380
Phenanthrene		520		4.1	200
Phenol		ND		21	200
Pyrene		560		1.3	200

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	78		39 - 146
2-Fluorobiphenyl	89		37 - 120
2-Fluorophenol	66		18 - 120
Nitrobenzene-d5	73		34 - 132
Phenol-d5	81		11 - 120
p-Terphenyl-d14	94		58 - 147

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: DUP-01

Lab Sample ID: 480-9503-5

Date Sampled: 09/06/2011 1000

Client Matrix: Solid

% Moisture: 15.2

Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270C

Analysis Batch: 480-30771

Instrument ID: HP5973V

Prep Method: 3550B

Prep Batch: 480-30582

Lab File ID: V4930.D

Dilution: 1.0

Initial Weight/Volume: +30.42 g

Analysis Date: 09/12/2011 1354

Final Weight/Volume: 1 mL

Prep Date: 09/09/2011 0945

Injection Volume: 1 uL

Tentatively Identified Compounds**Number TIC's Found: 5**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
112-95-8	Unknown	13.89	230	T J
	Unknown alkane	14.16	210	T J
	Unknown alkane	14.43	260	T J
	Eicosane	14.70	370	T J N
	Unknown	15.22	290	T J

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B1 (5-9)

Lab Sample ID: 480-9503-6

Date Sampled: 09/07/2011 0750

Client Matrix: Solid

% Moisture: 18.2

Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-31329	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-30841	Lab File ID:	V5081.D
Dilution:	1.0			Initial Weight/Volume:	+30.63 g
Analysis Date:	09/15/2011 1729			Final Weight/Volume:	1 mL
Prep Date:	09/12/2011 1109			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		44	200
2,4,6-Trichlorophenol		ND		13	200
2,4-Dichlorophenol		ND		11	200
2,4-Dimethylphenol		ND		55	200
2,4-Dinitrophenol		ND		71	390
2,4-Dinitrotoluene		ND		31	200
2,6-Dinitrotoluene		ND		49	200
2-Chloronaphthalene		ND		14	200
2-Chlorophenol		ND		10	200
2-Methylnaphthalene		ND		2.4	200
2-Methylphenol		ND		6.2	200
2-Nitroaniline		ND		65	390
2-Nitrophenol		ND		9.2	200
3,3'-Dichlorobenzidine		ND		180	200
3-Nitroaniline		ND		46	390
4,6-Dinitro-2-methylphenol		ND		70	390
4-Bromophenyl phenyl ether		ND		64	200
4-Chloro-3-methylphenol		ND		8.3	200
4-Chloroaniline		ND		59	200
4-Chlorophenyl phenyl ether		ND		4.3	200
4-Methylphenol		ND		11	390
4-Nitroaniline		ND		23	390
4-Nitrophenol		ND		49	390
Acenaphthene		ND		2.4	200
Acenaphthylene		ND		1.7	200
Acetophenone		ND		10	200
Anthracene		54	J	5.2	200
Atrazine		ND		9.0	200
Benzaldehyde		ND		22	200
Benzo(a)anthracene		8.0	J	3.5	200
Benzo(a)pyrene		ND		4.9	200
Benzo(b)fluoranthene		ND		3.9	200
Benzo(g,h,i)perylene		ND		2.4	200
Benzo(k)fluoranthene		ND		2.2	200
Biphenyl		ND		13	200
bis (2-chloroisopropyl) ether		ND		21	200
Bis(2-chloroethoxy)methane		ND		11	200
Bis(2-chloroethyl)ether		ND		17	200
Bis(2-ethylhexyl) phthalate		ND		65	200
Butyl benzyl phthalate		ND		54	200
Caprolactam		ND		87	200
Carbazole		ND		2.3	200
Chrysene		7.7	J	2.0	200
Dibenz(a,h)anthracene		ND		2.4	200
Dibenzofuran		ND		2.1	200
Diethyl phthalate		28	J	6.1	200

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B1 (5-9)

Lab Sample ID: 480-9503-6

Date Sampled: 09/07/2011 0750

Client Matrix: Solid

% Moisture: 18.2

Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-31329	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-30841	Lab File ID:	V5081.D
Dilution:	1.0			Initial Weight/Volume:	+30.63 g
Analysis Date:	09/15/2011 1729			Final Weight/Volume:	1 mL
Prep Date:	09/12/2011 1109			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		5.3	200
Di-n-butyl phthalate		ND		70	200
Di-n-octyl phthalate		ND		4.7	200
Fluoranthene		19	J	2.9	200
Fluorene		110	J	4.7	200
Hexachlorobenzene		ND		10	200
Hexachlorobutadiene		ND		10	200
Hexachlorocyclopentadiene		ND		61	200
Hexachloroethane		ND		16	200
Indeno(1,2,3-cd)pyrene		ND		5.6	200
Isophorone		ND		10	200
Naphthalene		ND		3.4	200
Nitrobenzene		ND		9.0	200
N-Nitrosodi-n-propylamine		ND		16	200
N-Nitrosodiphenylamine		ND		11	200
Pentachlorophenol		ND		69	390
Phenanthrene		120	J	4.2	200
Phenol		ND		21	200
Pyrene		31	J	1.3	200

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	100		39 - 146
2-Fluorobiphenyl	90		37 - 120
2-Fluorophenol	98		18 - 120
Nitrobenzene-d5	80		34 - 132
Phenol-d5	101		11 - 120
p-Terphenyl-d14	83		58 - 147

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B1 (5-9)

Lab Sample ID: 480-9503-6

Date Sampled: 09/07/2011 0750

Client Matrix: Solid

% Moisture: 18.2

Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-31329	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-30841	Lab File ID:	V5081.D
Dilution:	1.0			Initial Weight/Volume:	+30.63 g
Analysis Date:	09/15/2011 1729			Final Weight/Volume:	1 mL
Prep Date:	09/12/2011 1109			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found: 20**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
17301-23-4	Undecane, 2,6-dimethyl-	7.69	360	T J N
26730-14-3	Tridecane, 7-methyl-	8.17	880	T J N
	Unknown	8.46	370	T J
	Unknown	9.45	770	T J
1120-21-4	Undecane	9.53	1100	T J N
80655-44-3	Decahydro-4,4,8,9,10-pentamethylnaphthal	9.71	780	T J N
2131-42-2	Naphthalene, 1,4,6-trimethyl-	9.96	590	T J N
	Unknown	10.08	390	T J
	Unknown	10.12	400	T J
	Unknown	10.22	410	T J
54774-89-9	Naphthalene, 2-methyl-1-propyl-	10.52	370	T J N
	Unknown	10.67	900	T J
	Unknown	10.78	520	T J
529-5-5	Azulene, 7-ethyl-1,4-dimethyl-	10.92	340	T J N
	Unknown	10.97	710	T J
	Unknown	11.00	400	T J
	Unknown	11.10	580	T J
	Unknown	11.14	690	T J
3031-15-0	Naphthalene, 1,2,3,4-tetramethyl-	11.17	510	T J N
	Unknown alkane	11.47	560	T J

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B2 (3-4)

Lab Sample ID: 480-9503-7

Date Sampled: 09/07/2011 0945

Client Matrix: Solid

% Moisture: 17.5

Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-31527	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-30841	Lab File ID:	V5125.D
Dilution:	1.0			Initial Weight/Volume:	+30.32 g
Analysis Date:	09/16/2011 1452			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1109			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		440	2000
2,4,6-Trichlorophenol		ND		130	2000
2,4-Dichlorophenol		ND		110	2000
2,4-Dimethylphenol		ND		550	2000
2,4-Dinitrophenol		ND		710	4000
2,4-Dinitrotoluene		ND		310	2000
2,6-Dinitrotoluene		ND		500	2000
2-Chloronaphthalene		ND		140	2000
2-Chlorophenol		ND		100	2000
2-Methylnaphthalene		860	J	25	2000
2-Methylphenol		ND		62	2000
2-Nitroaniline		ND		650	4000
2-Nitrophenol		ND		93	2000
3,3'-Dichlorobenzidine		ND		1800	2000
3-Nitroaniline		ND		470	4000
4,6-Dinitro-2-methylphenol		ND		700	4000
4-Bromophenyl phenyl ether		ND		640	2000
4-Chloro-3-methylphenol		ND		83	2000
4-Chloroaniline		ND		590	2000
4-Chlorophenyl phenyl ether		ND		43	2000
4-Methylphenol		ND		110	4000
4-Nitroaniline		ND		230	4000
4-Nitrophenol		ND		490	4000
Acenaphthene		4500		24	2000
Acenaphthylene		110	J	17	2000
Acetophenone		ND		100	2000
Anthracene		7600		52	2000
Atrazine		ND		90	2000
Benzaldehyde		ND		220	2000
Benzo(a)anthracene		13000		35	2000
Benzo(a)pyrene		13000		49	2000
Benzo(b)fluoranthene		14000		39	2000
Benzo(g,h,i)perylene		8300		24	2000
Benzo(k)fluoranthene		7000		22	2000
Biphenyl		210	J	130	2000
bis (2-chloroisopropyl) ether		ND		210	2000
Bis(2-chloroethoxy)methane		ND		110	2000
Bis(2-chloroethyl)ether		ND		170	2000
Bis(2-ethylhexyl) phthalate		ND		650	2000
Butyl benzyl phthalate		ND		540	2000
Caprolactam		ND		880	2000
Carbazole		3100		23	2000
Chrysene		12000		20	2000
Dibenz(a,h)anthracene		2400		24	2000
Dibenzofuran		1700	J	21	2000
Diethyl phthalate		ND		61	2000

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B2 (3-4)

Lab Sample ID: 480-9503-7

Date Sampled: 09/07/2011 0945

Client Matrix: Solid

% Moisture: 17.5

Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-31527	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-30841	Lab File ID:	V5125.D
Dilution:	1.0			Initial Weight/Volume:	+30.32 g
Analysis Date:	09/16/2011 1452			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1109			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		53	2000
Di-n-butyl phthalate		ND		700	2000
Di-n-octyl phthalate		ND		47	2000
Fluoranthene		29000		29	2000
Fluorene		3500		47	2000
Hexachlorobenzene		ND		100	2000
Hexachlorobutadiene		ND		100	2000
Hexachlorocyclopentadiene		ND		610	2000
Hexachloroethane		ND		160	2000
Indeno(1,2,3-cd)pyrene		7000		56	2000
Isophorone		ND		100	2000
Naphthalene		1600	J	34	2000
Nitrobenzene		ND		90	2000
N-Nitrosodi-n-propylamine		ND		160	2000
N-Nitrosodiphenylamine		ND		110	2000
Pentachlorophenol		ND		690	4000
Phenanthrene		26000		42	2000
Phenol		ND		210	2000
Pyrene		22000		13	2000

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	109		39 - 146
2-Fluorobiphenyl	111		37 - 120
2-Fluorophenol	94		18 - 120
Nitrobenzene-d5	95		34 - 132
Phenol-d5	106		11 - 120
p-Terphenyl-d14	110		58 - 147

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: SB-B2 (3-4)

Lab Sample ID: 480-9503-7

Date Sampled: 09/07/2011 0945

Client Matrix: Solid

% Moisture: 17.5

Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270C

Analysis Batch: 480-31527

Instrument ID: HP5973V

Prep Method: 3550B

Prep Batch: 480-30841

Lab File ID: V5125.D

Dilution: 1.0

Initial Weight/Volume: +30.32 g

Analysis Date: 09/16/2011 1452

Final Weight/Volume: 10 mL

Prep Date: 09/12/2011 1109

Injection Volume: 1 uL

Tentatively Identified Compounds**Number TIC's Found: 7**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	12.03	4200	T J
	Unknown	12.11	6100	T J
	Unknown	13.20	2300	T J
	Unknown	13.26	1800	T J
	Unknown	14.30	1700	T J
	Unknown	15.14	8600	T J
	Unknown	15.27	3600	T J

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: DUP-02

Lab Sample ID: 480-9503-8

Date Sampled: 09/07/2011 1100

Client Matrix: Solid

% Moisture: 15.3

Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-31329	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-30841	Lab File ID:	V5083.D
Dilution:	5.0			Initial Weight/Volume:	+30.41 g
Analysis Date:	09/15/2011 1817			Final Weight/Volume:	1 mL
Prep Date:	09/12/2011 1109			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		210	990
2,4,6-Trichlorophenol		ND		65	990
2,4-Dichlorophenol		ND		52	990
2,4-Dimethylphenol		ND		270	990
2,4-Dinitrophenol		ND		340	1900
2,4-Dinitrotoluene		ND		150	990
2,6-Dinitrotoluene		ND		240	990
2-Chloronaphthalene		ND		66	990
2-Chlorophenol		ND		50	990
2-Methylnaphthalene		890	J	12	990
2-Methylphenol		ND		30	990
2-Nitroaniline		ND		320	1900
2-Nitrophenol		ND		45	990
3,3'-Dichlorobenzidine		ND		860	990
3-Nitroaniline		ND		230	1900
4,6-Dinitro-2-methylphenol		ND		340	1900
4-Bromophenyl phenyl ether		ND		310	990
4-Chloro-3-methylphenol		ND		40	990
4-Chloroaniline		ND		290	990
4-Chlorophenyl phenyl ether		ND		21	990
4-Methylphenol		ND		55	1900
4-Nitroaniline		ND		110	1900
4-Nitrophenol		ND		240	1900
Acenaphthene		4400		12	990
Acenaphthylene		160	J	8.0	990
Acetophenone		ND		50	990
Anthracene		7900		25	990
Atrazine		ND		44	990
Benzaldehyde		ND		110	990
Benzo(a)anthracene		13000		17	990
Benzo(a)pyrene		13000		24	990
Benzo(b)fluoranthene		15000		19	990
Benzo(g,h,i)perylene		7700		12	990
Benzo(k)fluoranthene		6200		11	990
Biphenyl		210	J	61	990
bis (2-chloroisopropyl) ether		ND		100	990
Bis(2-chloroethoxy)methane		ND		53	990
Bis(2-chloroethyl)ether		ND		85	990
Bis(2-ethylhexyl) phthalate		ND		320	990
Butyl benzyl phthalate		ND		260	990
Caprolactam		ND		430	990
Carbazole		3600		11	990
Chrysene		13000		9.8	990
Dibenz(a,h)anthracene		2200		12	990
Dibenzofuran		1900		10	990
Diethyl phthalate		ND		30	990

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: DUP-02

Lab Sample ID: 480-9503-8

Date Sampled: 09/07/2011 1100

Client Matrix: Solid

% Moisture: 15.3

Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-31329	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-30841	Lab File ID:	V5083.D
Dilution:	5.0			Initial Weight/Volume:	+30.41 g
Analysis Date:	09/15/2011 1817			Final Weight/Volume:	1 mL
Prep Date:	09/12/2011 1109			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		26	990
Di-n-butyl phthalate		ND		340	990
Di-n-octyl phthalate		ND		23	990
Fluoranthene		26000		14	990
Fluorene		3600		23	990
Hexachlorobenzene		ND		49	990
Hexachlorobutadiene		ND		50	990
Hexachlorocyclopentadiene		ND		300	990
Hexachloroethane		ND		76	990
Indeno(1,2,3-cd)pyrene		6400		27	990
Isophorone		ND		49	990
Naphthalene		1400		16	990
Nitrobenzene		ND		44	990
N-Nitrosodi-n-propylamine		ND		78	990
N-Nitrosodiphenylamine		ND		54	990
Pentachlorophenol		ND		340	1900
Phenanthrene		25000		21	990
Phenol		ND		100	990
Pyrene		22000		6.4	990

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	84		39 - 146
2-Fluorobiphenyl	101		37 - 120
2-Fluorophenol	101		18 - 120
Nitrobenzene-d5	89		34 - 132
Phenol-d5	96		11 - 120
p-Terphenyl-d14	106		58 - 147

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

Client Sample ID: DUP-02

Lab Sample ID: 480-9503-8

Date Sampled: 09/07/2011 1100

Client Matrix: Solid

% Moisture: 15.3

Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270C

Analysis Batch: 480-31329

Instrument ID: HP5973V

Prep Method: 3550B

Prep Batch: 480-30841

Lab File ID: V5083.D

Dilution: 5.0

Initial Weight/Volume: +30.41 g

Analysis Date: 09/15/2011 1817

Final Weight/Volume: 1 mL

Prep Date: 09/12/2011 1109

Injection Volume: 1 uL

Tentatively Identified Compounds**Number TIC's Found: 15**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	12.03	3100	T J
	Unknown	12.05	4200	T J
	Unknown	12.13	6400	T J
	Unknown	13.12	850	T J
	Unknown	13.22	1900	T J
	Unknown	13.28	1200	T J
	Unknown	13.31	920	T J
	Unknown	13.76	830	T J
	Unknown	13.82	850	T J
25732-74-5	3,4-Dihydrocyclopenta(cd)pyrene (acepyre	14.08	1000	T J N
	Unknown	14.33	1100	T J
	Unknown	15.01	2300	T J
	Unknown	15.17	9600	T J
	Unknown	15.30	4000	T J
	Unknown	16.91	2600	T J

Client: CHA Inc

Job Number: 480-9072-1

General Chemistry**Client Sample ID:** SB-B4 (5-8)

Lab Sample ID: 480-9072-1

Date Sampled: 08/25/2011 0830

Client Matrix: Solid

Date Received: 08/27/2011 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.4		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-29473		Analysis Date: 08/30/2011 1443				DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-29473		Analysis Date: 08/30/2011 1443				DryWt Corrected: N

Client: CHA Inc

Job Number: 480-9072-1

General Chemistry**Client Sample ID:** SB-B5 (5-9)

Lab Sample ID: 480-9072-2

Date Sampled: 08/25/2011 0945

Client Matrix: Solid

Date Received: 08/27/2011 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-29473	Analysis Date: 08/30/2011 1443					DryWt Corrected: N
Percent Solids	88		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-29473	Analysis Date: 08/30/2011 1443					DryWt Corrected: N

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

General Chemistry**Client Sample ID:** SB-B6 (5-9)

Lab Sample ID: 480-9072-3

Date Sampled: 08/25/2011 1415

Client Matrix: Solid

Date Received: 08/27/2011 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-29473	Analysis Date: 08/30/2011 1443					DryWt Corrected: N
Percent Solids	82		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-29473	Analysis Date: 08/30/2011 1443					DryWt Corrected: N

Client: CHA Inc

Job Number: 480-9072-1

General Chemistry

Client Sample ID: SB-C3 (5-8)

Lab Sample ID: 480-9503-1

Client Matrix: Solid

Date Sampled: 09/06/2011 1045

Date Received: 09/08/2011 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-30917	Analysis Date: 09/12/2011 1737					DryWt Corrected: N
Percent Solids	84		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-30917	Analysis Date: 09/12/2011 1737					DryWt Corrected: N

Client: CHA Inc

Job Number: 480-9072-1

General Chemistry

Client Sample ID: SB-C6 (5-6)

Lab Sample ID: 480-9503-2

Client Matrix: Solid

Date Sampled: 09/06/2011 1240

Date Received: 09/08/2011 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-30917	Analysis Date: 09/12/2011 1737					DryWt Corrected: N
Percent Solids	86		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-30917	Analysis Date: 09/12/2011 1737					DryWt Corrected: N

Client: CHA Inc

Job Number: 480-9072-1

General Chemistry**Client Sample ID:** SB-C8 (3-4)

Lab Sample ID: 480-9503-3

Date Sampled: 09/06/2011 1315

Client Matrix: Solid

Date Received: 09/08/2011 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.6		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-30917	Analysis Date: 09/12/2011 1737					DryWt Corrected: N
Percent Solids	91		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-30917	Analysis Date: 09/12/2011 1737					DryWt Corrected: N

Client: CHA Inc

Job Number: 480-9072-1

General Chemistry

Client Sample ID: SB-C1 (5-8)

Lab Sample ID: 480-9503-4

Client Matrix: Solid

Date Sampled: 09/06/2011 1410

Date Received: 09/08/2011 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-30917	Analysis Date: 09/12/2011 1737					DryWt Corrected: N
Percent Solids	82		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-30917	Analysis Date: 09/12/2011 1737					DryWt Corrected: N

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

General Chemistry**Client Sample ID:** DUP-01

Lab Sample ID: 480-9503-5

Date Sampled: 09/06/2011 1000

Client Matrix: Solid

Date Received: 09/08/2011 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-30917	Analysis Date: 09/12/2011 1737					DryWt Corrected: N
Percent Solids	85		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-30917	Analysis Date: 09/12/2011 1737					DryWt Corrected: N

Client: CHA Inc

Job Number: 480-9072-1

General Chemistry

Client Sample ID: SB-B1 (5-9)

Lab Sample ID: 480-9503-6

Client Matrix: Solid

Date Sampled: 09/07/2011 0750

Date Received: 09/08/2011 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-30917	Analysis Date: 09/12/2011 1737					DryWt Corrected: N
Percent Solids	82		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-30917	Analysis Date: 09/12/2011 1737					DryWt Corrected: N

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

General Chemistry**Client Sample ID:** SB-B2 (3-4)

Lab Sample ID: 480-9503-7

Date Sampled: 09/07/2011 0945

Client Matrix: Solid

Date Received: 09/08/2011 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-30917		Analysis Date: 09/12/2011 1737				DryWt Corrected: N
Percent Solids	82		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-30917		Analysis Date: 09/12/2011 1737				DryWt Corrected: N

Analytical Data

Client: CHA Inc

Job Number: 480-9072-1

General Chemistry**Client Sample ID:** DUP-02

Lab Sample ID: 480-9503-8

Date Sampled: 09/07/2011 1100

Client Matrix: Solid

Date Received: 09/08/2011 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-30917	Analysis Date: 09/12/2011 1737					DryWt Corrected: N
Percent Solids	85		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-30917	Analysis Date: 09/12/2011 1737					DryWt Corrected: N

Client: CHA Inc

Job Number: 480-9072-1

Surrogate Recovery Report**8260B Volatile Organic Compounds (GC/MS)****Client Matrix: Solid**

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-9072-1	SB-B4 (5-8)	86	97	96
480-9072-2	SB-B5 (5-9)	88	95	98
480-9072-3	SB-B6 (5-9)	86	92	94
480-9503-1	SB-C3 (5-8)	96	97	92
480-9503-2	SB-C6 (5-6)	99	93	96
480-9503-3	SB-C8 (3-4)	96	97	95
480-9503-4	SB-C1 (5-8)	95	98	90
480-9503-5	DUP-01	96	97	92
480-9503-6	SB-B1 (5-9)	99	93	96
480-9503-7	SB-B2 (3-4)	96	96	96
480-9503-8	DUP-02	95	97	94
MB 480-29441/5		82	100	100
MB 480-30731/5		87	97	91
MB 480-30918/5		94	96	94
LCS 480-29441/4		87	101	104
LCS 480-30731/4		92	96	94
LCS 480-30918/4		93	95	95
480-9503-6 MS	SB-B1 (5-9) MS	85	93	93
480-9503-6 MSD	SB-B1 (5-9) MSD	84	96	96

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	64-126
TOL = Toluene-d8 (Surr)	71-125
BFB = 4-Bromofluorobenzene (Surr)	72-126

Client: CHA Inc

Job Number: 480-9072-1

Surrogate Recovery Report**8260B Volatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-9503-9	TRIP BLANK	96	97	94
MB 480-31837/5		87	97	91
LCS 480-31837/4		92	96	94

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Client: CHA Inc

Job Number: 480-9072-1

Surrogate Recovery Report**8270C Semivolatile Organic Compounds (GC/MS)****Client Matrix: Solid**

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
480-9072-1	SB-B4 (5-8)	77	89	89	104	98	112
480-9072-2	SB-B5 (5-9)	64	72	75	79	95	97
480-9072-3	SB-B6 (5-9)	70	77	80	84	97	93
480-9503-1	SB-C3 (5-8)	78	92	86	97	61	100
480-9503-2	SB-C6 (5-6)	73	84	78	86	66	94
480-9503-3	SB-C8 (3-4)	82	91	86	94	72	101
480-9503-4	SB-C1 (5-8)	75	87	81	92	75	93
480-9503-5	DUP-01	66	81	73	89	78	94
480-9503-6	SB-B1 (5-9)	98	101	80	90	100	83
480-9503-7	SB-B2 (3-4)	94	106	95	111	109	110
480-9503-8	DUP-02	101	96	89	101	84	106
MB 480-29814/1-A		56	62	61	73	81	104
MB 480-30582/1-A		78	85	79	88	92	102
MB 480-30841/1-A		89	95	88	96	95	103
LCS 480-29814/2-A		72	77	78	86	98	105
LCS 480-30582/2-A		84	92	88	95	108	104
LCS 480-30841/2-A		86	93	88	98	109	101
480-9503-6 MS	SB-B1 (5-9) MS	89	97	88	96	119	93
480-9503-6 MSD	SB-B1 (5-9) MSD	117	103	93	120	119	96

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	18-120
PHL = Phenol-d5	11-120
NBZ = Nitrobenzene-d5	34-132
FBP = 2-Fluorobiphenyl	37-120
TBP = 2,4,6-Tribromophenol	39-146
TPH = p-Terphenyl-d14	58-147

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

Method Blank - Batch: 480-29441

Method: 8260B Preparation: N/A

Lab Sample ID: MB 480-29441/5
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/30/2011 1325
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-29441
Prep Batch: N/A
Leach Batch: N/A
Units: ug/Kg

Instrument ID: HP5973P
Lab File ID: P4757.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.36	5.0
1,1,2,2-Tetrachloroethane	ND		0.81	5.0
1,1,2-Trichloroethane	ND		0.65	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	5.0
1,1-Dichloroethane	ND		0.61	5.0
1,1-Dichloroethene	ND		0.61	5.0
1,2,4-Trichlorobenzene	ND		0.30	5.0
1,2-Dibromo-3-Chloropropane	ND		2.5	5.0
1,2-Dibromoethane	ND		0.64	5.0
1,2-Dichlorobenzene	ND		0.39	5.0
1,2-Dichloroethane	ND		0.25	5.0
1,2-Dichloropropane	ND		2.5	5.0
1,3-Dichlorobenzene	ND		0.26	5.0
1,4-Dichlorobenzene	ND		0.70	5.0
2-Hexanone	ND		2.5	25
2-Butanone (MEK)	ND		1.8	25
4-Methyl-2-pentanone (MIBK)	ND		1.6	25
Acetone	ND		4.2	25
Benzene	ND		0.25	5.0
Bromodichloromethane	ND		0.67	5.0
Bromoform	ND		2.5	5.0
Bromomethane	ND		0.45	5.0
Carbon disulfide	ND		2.5	5.0
Carbon tetrachloride	ND		0.48	5.0
Chlorobenzene	ND		0.66	5.0
Dibromochloromethane	ND		0.64	5.0
Chloroethane	ND		1.1	5.0
Chloroform	ND		0.31	5.0
Chloromethane	ND		0.30	5.0
cis-1,2-Dichloroethene	ND		0.64	5.0
cis-1,3-Dichloropropene	ND		0.72	5.0
Cyclohexane	ND		0.70	5.0
Dichlorodifluoromethane	ND		0.41	5.0
Ethylbenzene	ND		0.35	5.0
Isopropylbenzene	ND		0.75	5.0
Methyl acetate	ND		0.93	5.0
Methyl tert-butyl ether	ND		0.49	5.0
Methylcyclohexane	ND		0.76	5.0
Methylene Chloride	3.21	J	2.3	5.0
Styrene	ND		0.25	5.0
Tetrachloroethene	ND		0.67	5.0
Toluene	0.683	J	0.38	5.0
trans-1,2-Dichloroethene	ND		0.52	5.0
trans-1,3-Dichloropropene	ND		2.2	5.0
Trichloroethene	ND		1.1	5.0

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

Method Blank - Batch: 480-29441

Method: 8260B Preparation: N/A

Lab Sample ID:	MB 480-29441/5	Analysis Batch:	480-29441	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P4757.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/30/2011 1325	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.47	5.0
Vinyl chloride	ND		0.61	5.0
Xylenes, Total	ND		0.84	10

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	82	64 - 126
Toluene-d8 (Surr)	100	71 - 125
4-Bromofluorobenzene (Surr)	100	72 - 126

Method Blank TICs- Batch: 480-29441

Cas Number	Analyte	RT	Est. Result	Qual
91-20-3	Naphthalene	17.75	3.82	J
	Unknown	7.34	10.5	T J

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

Lab Control Sample - Batch: 480-29441

Method: 8260B

Preparation: N/A

Lab Sample ID:	LCS 480-29441/4	Analysis Batch:	480-29441	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P4756.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/30/2011 1259	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	50.0	50.8	102	79 - 126	
1,1-Dichloroethene	50.0	48.4	97	65 - 153	
1,2-Dichlorobenzene	50.0	51.7	103	75 - 120	
1,2-Dichloroethane	50.0	49.9	100	77 - 122	
Benzene	50.0	52.6	105	79 - 127	
Chlorobenzene	50.0	55.1	110	76 - 124	
cis-1,2-Dichloroethene	50.0	50.9	102	81 - 117	
Ethylbenzene	50.0	53.4	107	80 - 120	
Methyl tert-butyl ether	50.0	50.8	102	63 - 125	
Tetrachloroethene	50.0	52.0	104	74 - 122	
Toluene	50.0	51.8	104	74 - 128	
trans-1,2-Dichloroethene	50.0	52.1	104	78 - 126	
Trichloroethene	50.0	51.6	103	77 - 129	
Surrogate	% Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	87		64 - 126		
Toluene-d8 (Surr)	101		71 - 125		
4-Bromofluorobenzene (Surr)	104		72 - 126		

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

Method Blank - Batch: 480-30731

Method: 8260B Preparation: N/A

Lab Sample ID: MB 480-30731/5
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/10/2011 1433
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-30731
Prep Batch: N/A
Leach Batch: N/A
Units: ug/Kg

Instrument ID: HP5973F
Lab File ID: F3811.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.36	5.0
1,1,2,2-Tetrachloroethane	ND		0.81	5.0
1,1,2-Trichloroethane	ND		0.65	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	5.0
1,1-Dichloroethane	ND		0.61	5.0
1,1-Dichloroethene	ND		0.61	5.0
1,2,4-Trichlorobenzene	ND		0.30	5.0
1,2-Dibromo-3-Chloropropane	ND		2.5	5.0
1,2-Dibromoethane	ND		0.64	5.0
1,2-Dichlorobenzene	ND		0.39	5.0
1,2-Dichloroethane	ND		0.25	5.0
1,2-Dichloropropane	ND		2.5	5.0
1,3-Dichlorobenzene	ND		0.26	5.0
1,4-Dichlorobenzene	ND		0.70	5.0
2-Hexanone	ND		2.5	25
2-Butanone (MEK)	ND		1.8	25
4-Methyl-2-pentanone (MIBK)	ND		1.6	25
Acetone	ND		4.2	25
Benzene	ND		0.25	5.0
Bromodichloromethane	ND		0.67	5.0
Bromoform	ND		2.5	5.0
Bromomethane	ND		0.45	5.0
Carbon disulfide	ND		2.5	5.0
Carbon tetrachloride	ND		0.48	5.0
Chlorobenzene	ND		0.66	5.0
Dibromochloromethane	ND		0.64	5.0
Chloroethane	ND		1.1	5.0
Chloroform	ND		0.31	5.0
Chloromethane	ND		0.30	5.0
cis-1,2-Dichloroethene	ND		0.64	5.0
cis-1,3-Dichloropropene	ND		0.72	5.0
Cyclohexane	ND		0.70	5.0
Dichlorodifluoromethane	ND		0.41	5.0
Ethylbenzene	ND		0.35	5.0
Isopropylbenzene	ND		0.75	5.0
Methyl acetate	ND		0.93	5.0
Methyl tert-butyl ether	ND		0.49	5.0
Methylcyclohexane	ND		0.76	5.0
Methylene Chloride	ND		2.3	5.0
Styrene	ND		0.25	5.0
Tetrachloroethene	ND		0.67	5.0
Toluene	ND		0.38	5.0
trans-1,2-Dichloroethene	ND		0.52	5.0
trans-1,3-Dichloropropene	ND		2.2	5.0
Trichloroethene	ND		1.1	5.0

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

Method Blank - Batch: 480-30731

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 480-30731/5	Analysis Batch:	480-30731	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F3811.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	09/10/2011 1433	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.47	5.0
Vinyl chloride	ND		0.61	5.0
Xylenes, Total	ND		0.84	10

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87	64 - 126
Toluene-d8 (Surr)	97	71 - 125
4-Bromofluorobenzene (Surr)	91	72 - 126

Method Blank TICs- Batch: 480-30731

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

Lab Control Sample - Batch: 480-30731

Method: 8260B
Preparation: N/A

Lab Sample ID:	LCS 480-30731/4	Analysis Batch:	480-30731	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F3810.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	09/10/2011 1407	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	50.0	50.2	100	79 - 126	
1,1-Dichloroethene	50.0	44.4	89	65 - 153	
1,2-Dichlorobenzene	50.0	48.7	97	75 - 120	
1,2-Dichloroethane	50.0	53.3	107	77 - 122	
Benzene	50.0	49.4	99	79 - 127	
Chlorobenzene	50.0	49.2	98	76 - 124	
cis-1,2-Dichloroethene	50.0	48.1	96	81 - 117	
Ethylbenzene	50.0	49.4	99	80 - 120	
Methyl tert-butyl ether	50.0	48.5	97	63 - 125	
Tetrachloroethene	50.0	47.0	94	74 - 122	
Toluene	50.0	47.0	94	74 - 128	
trans-1,2-Dichloroethene	50.0	49.0	98	78 - 126	
Trichloroethene	50.0	48.3	97	77 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92	64 - 126
Toluene-d8 (Surr)	96	71 - 125
4-Bromofluorobenzene (Surr)	94	72 - 126

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-30734**

**Method: 8260B
Preparation: 5035**

MS Lab Sample ID:	480-9503-6	Analysis Batch:	480-30731	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	480-30734	Lab File ID:	F3820.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	7.259 g
Analysis Date:	09/10/2011 1836			Final Weight/Volume:	5 g
Prep Date:	09/10/2011 1341				
Leach Date:	N/A				

MSD Lab Sample ID:	480-9503-6	Analysis Batch:	480-30731	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	480-30734	Lab File ID:	F3821.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	7.146 g
Analysis Date:	09/10/2011 1901			Final Weight/Volume:	5 g
Prep Date:	09/10/2011 1341				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1-Dichloroethane	95	97	79 - 126	3	30		
1,1-Dichloroethene	86	85	65 - 153	1	30		
1,2-Dichlorobenzene	77	80	75 - 120	6	30		
1,2-Dichloroethane	90	90	77 - 122	1	30		
Benzene	92	93	79 - 127	3	30		
Chlorobenzene	86	90	76 - 124	7	30		
cis-1,2-Dichloroethene	90	94	81 - 117	6	30		
Ethylbenzene	84	88	80 - 120	6	30		
Methyl tert-butyl ether	82	84	63 - 125	3	30		
Tetrachloroethene	78	83	74 - 122	8	30		
Toluene	82	86	74 - 128	6	30		
trans-1,2-Dichloroethene	93	93	78 - 126	2	30		
Trichloroethene	89	93	77 - 129	6	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
1,2-Dichloroethane-d4 (Surr)	85		84	64 - 126			
Toluene-d8 (Surr)	93		96	71 - 125			
4-Bromofluorobenzene (Surr)	93		96	72 - 126			

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-30734**

**Method: 8260B
Preparation: 5035**

MS Lab Sample ID: 480-9503-6 Units: ug/Kg
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/10/2011 1836
Prep Date: 09/10/2011 1341
Leach Date: N/A

MSD Lab Sample ID: 480-9503-6
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/10/2011 1901
Prep Date: 09/10/2011 1341
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1-Dichloroethane	ND	42.1	42.7	40.1	41.3
1,1-Dichloroethene	ND	42.1	42.7	36.1	36.4
1,2-Dichlorobenzene	ND	42.1	42.7	32.5	34.4
1,2-Dichloroethane	ND	42.1	42.7	37.8	38.3
Benzene	ND	42.1	42.7	38.5	39.8
Chlorobenzene	ND	42.1	42.7	36.1	38.6
cis-1,2-Dichloroethene	ND	42.1	42.7	37.9	40.2
Ethylbenzene	1.8 J	42.1	42.7	37.1	39.4
Methyl tert-butyl ether	ND	42.1	42.7	34.6	35.7
Tetrachloroethene	ND	42.1	42.7	32.9	35.5
Toluene	0.42 J	42.1	42.7	35.0	37.2
trans-1,2-Dichloroethene	ND	42.1	42.7	39.0	39.7
Trichloroethene	ND	42.1	42.7	37.4	39.6

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

Method Blank - Batch: 480-30918

Method: 8260B Preparation: N/A

Lab Sample ID: MB 480-30918/5
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/12/2011 2024
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-30918
Prep Batch: N/A
Leach Batch: N/A
Units: ug/Kg

Instrument ID: HP5973F
Lab File ID: F3833.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.36	5.0
1,1,2,2-Tetrachloroethane	ND		0.81	5.0
1,1,2-Trichloroethane	ND		0.65	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	5.0
1,1-Dichloroethane	ND		0.61	5.0
1,1-Dichloroethene	ND		0.61	5.0
1,2,4-Trichlorobenzene	ND		0.30	5.0
1,2-Dibromo-3-Chloropropane	ND		2.5	5.0
1,2-Dibromoethane	ND		0.64	5.0
1,2-Dichlorobenzene	ND		0.39	5.0
1,2-Dichloroethane	ND		0.25	5.0
1,2-Dichloropropane	ND		2.5	5.0
1,3-Dichlorobenzene	ND		0.26	5.0
1,4-Dichlorobenzene	ND		0.70	5.0
2-Hexanone	ND		2.5	25
2-Butanone (MEK)	ND		1.8	25
4-Methyl-2-pentanone (MIBK)	ND		1.6	25
Acetone	ND		4.2	25
Benzene	ND		0.25	5.0
Bromodichloromethane	ND		0.67	5.0
Bromoform	ND		2.5	5.0
Bromomethane	ND		0.45	5.0
Carbon disulfide	ND		2.5	5.0
Carbon tetrachloride	ND		0.48	5.0
Chlorobenzene	ND		0.66	5.0
Dibromochloromethane	ND		0.64	5.0
Chloroethane	ND		1.1	5.0
Chloroform	ND		0.31	5.0
Chloromethane	ND		0.30	5.0
cis-1,2-Dichloroethene	ND		0.64	5.0
cis-1,3-Dichloropropene	ND		0.72	5.0
Cyclohexane	ND		0.70	5.0
Dichlorodifluoromethane	ND		0.41	5.0
Ethylbenzene	ND		0.35	5.0
Isopropylbenzene	ND		0.75	5.0
Methyl acetate	ND		0.93	5.0
Methyl tert-butyl ether	ND		0.49	5.0
Methylcyclohexane	ND		0.76	5.0
Methylene Chloride	ND		2.3	5.0
Styrene	ND		0.25	5.0
Tetrachloroethene	ND		0.67	5.0
Toluene	ND		0.38	5.0
trans-1,2-Dichloroethene	ND		0.52	5.0
trans-1,3-Dichloropropene	ND		2.2	5.0
Trichloroethene	ND		1.1	5.0

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

Method Blank - Batch: 480-30918

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 480-30918/5	Analysis Batch:	480-30918	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F3833.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	09/12/2011 2024	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.47	5.0
Vinyl chloride	ND		0.61	5.0
Xylenes, Total	ND		0.84	10

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	64 - 126
Toluene-d8 (Surr)	96	71 - 125
4-Bromofluorobenzene (Surr)	94	72 - 126

Method Blank TICs- Batch: 480-30918

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

Lab Control Sample - Batch: 480-30918

Method: 8260B
Preparation: N/A

Lab Sample ID:	LCS 480-30918/4	Analysis Batch:	480-30918	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F3832.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	09/12/2011 1958	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	50.0	53.9	108	79 - 126	
1,1-Dichloroethene	50.0	47.4	95	65 - 153	
1,2-Dichlorobenzene	50.0	49.7	99	75 - 120	
1,2-Dichloroethane	50.0	55.6	111	77 - 122	
Benzene	50.0	52.4	105	79 - 127	
Chlorobenzene	50.0	51.0	102	76 - 124	
cis-1,2-Dichloroethene	50.0	50.9	102	81 - 117	
Ethylbenzene	50.0	51.4	103	80 - 120	
Methyl tert-butyl ether	50.0	51.3	103	63 - 125	
Tetrachloroethene	50.0	49.7	99	74 - 122	
Toluene	50.0	49.2	98	74 - 128	
trans-1,2-Dichloroethene	50.0	52.6	105	78 - 126	
Trichloroethene	50.0	51.7	103	77 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	64 - 126
Toluene-d8 (Surr)	95	71 - 125
4-Bromofluorobenzene (Surr)	95	72 - 126

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

Method Blank - Batch: 480-31837

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-31837/5
Client Matrix: Water
Dilution: 1.0
Analysis Date: 09/10/2011 1433
Prep Date: 09/10/2011 1433
Leach Date: N/A

Analysis Batch: 480-31837
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973F
Lab File ID: F3811A.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	2.18		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

Method Blank - Batch: 480-31837

Method: 8260B

Preparation: 5030B

Lab Sample ID:	MB 480-31837/5	Analysis Batch:	480-31837	Instrument ID:	HP5973F
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	F3811A.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	09/10/2011 1433	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/10/2011 1433				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.88	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87	66 - 137
Toluene-d8 (Surr)	97	71 - 126
4-Bromofluorobenzene (Surr)	91	73 - 120

Method Blank TICs- Batch: 480-31837

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

Lab Control Sample - Batch: 480-31837

Method: 8260B

Preparation: 5030B

Lab Sample ID:	LCS 480-31837/4	Analysis Batch:	480-31837	Instrument ID:	HP5973F
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	F3810A.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	09/10/2011 1407	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/10/2011 1407				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	50.0	50.2	100	71 - 129	
1,1-Dichloroethene	50.0	44.4	89	65 - 138	
1,2-Dichlorobenzene	50.0	48.7	97	77 - 120	
1,2-Dichloroethane	50.0	53.3	107	75 - 127	
Benzene	50.0	49.4	99	71 - 124	
Chlorobenzene	50.0	49.2	98	72 - 120	
cis-1,2-Dichloroethene	50.0	48.1	96	74 - 124	
Ethylbenzene	50.0	49.4	99	77 - 123	
Methyl tert-butyl ether	50.0	48.5	97	64 - 127	
Tetrachloroethene	50.0	47.0	94	74 - 122	
Toluene	50.0	47.0	94	70 - 122	
trans-1,2-Dichloroethene	50.0	49.0	98	73 - 127	
Trichloroethene	50.0	48.3	97	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92	66 - 137
Toluene-d8 (Surr)	96	71 - 126
4-Bromofluorobenzene (Surr)	94	73 - 120

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

Method Blank - Batch: 480-29814

Method: 8270C

Preparation: 3550B

Lab Sample ID: MB 480-29814/1-A
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 09/08/2011 1221
 Prep Date: 09/01/2011 1326
 Leach Date: N/A

Analysis Batch: 480-30456
 Prep Batch: 480-29814
 Leach Batch: N/A
 Units: ug/Kg

Instrument ID: HP5973W
 Lab File ID: W4837.D
 Initial Weight/Volume: +30.05 g
 Final Weight/Volume: 1 mL
 Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
2,4,5-Trichlorophenol	ND		37	170
2,4,6-Trichlorophenol	ND		11	170
2,4-Dichlorophenol	ND		8.8	170
2,4-Dimethylphenol	ND		46	170
2,4-Dinitrophenol	ND		59	330
2,4-Dinitrotoluene	ND		26	170
2,6-Dinitrotoluene	ND		41	170
2-Chloronaphthalene	ND		11	170
2-Chlorophenol	ND		8.6	170
2-Methylnaphthalene	ND		2.0	170
2-Methylphenol	ND		5.2	170
2-Nitroaniline	ND		54	330
2-Nitrophenol	ND		7.7	170
3,3'-Dichlorobenzidine	ND		150	170
3-Nitroaniline	ND		39	330
4,6-Dinitro-2-methylphenol	ND		58	330
4-Bromophenyl phenyl ether	ND		54	170
4-Chloro-3-methylphenol	ND		6.9	170
4-Chloroaniline	ND		49	170
4-Chlorophenyl phenyl ether	ND		3.6	170
4-Methylphenol	ND		9.4	330
4-Nitroaniline	ND		19	330
4-Nitrophenol	ND		41	330
Acenaphthene	ND		2.0	170
Acenaphthylene	ND		1.4	170
Acetophenone	ND		8.6	170
Anthracene	ND		4.3	170
Atrazine	ND		7.5	170
Benzaldehyde	ND		18	170
Benzo(a)anthracene	ND		2.9	170
Benzo(a)pyrene	ND		4.1	170
Benzo(b)fluoranthene	ND		3.3	170
Benzo(g,h,i)perylene	ND		2.0	170
Benzo(k)fluoranthene	ND		1.9	170
Biphenyl	ND		10	170
bis (2-chloroisopropyl) ether	ND		18	170
Bis(2-chloroethoxy)methane	ND		9.2	170
Bis(2-chloroethyl)ether	ND		15	170
Bis(2-ethylhexyl) phthalate	ND		54	170
Butyl benzyl phthalate	ND		45	170
Caprolactam	ND		73	170
Carbazole	ND		1.9	170
Chrysene	ND		1.7	170
Dibenz(a,h)anthracene	ND		2.0	170
Dibenzofuran	ND		1.8	170

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

Method Blank - Batch: 480-29814

Method: 8270C Preparation: 3550B

Lab Sample ID: MB 480-29814/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/08/2011 1221
Prep Date: 09/01/2011 1326
Leach Date: N/A

Analysis Batch: 480-30456
Prep Batch: 480-29814
Leach Batch: N/A
Units: ug/Kg

Instrument ID: HP5973W
Lab File ID: W4837.D
Initial Weight/Volume: +30.05 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Diethyl phthalate	ND		5.1	170
Dimethyl phthalate	ND		4.4	170
Di-n-butyl phthalate	ND		58	170
Di-n-octyl phthalate	ND		3.9	170
Fluoranthene	ND		2.4	170
Fluorene	ND		3.9	170
Hexachlorobenzene	ND		8.4	170
Hexachlorobutadiene	ND		8.6	170
Hexachlorocyclopentadiene	ND		51	170
Hexachloroethane	ND		13	170
Indeno(1,2,3-cd)pyrene	ND		4.7	170
Isophorone	ND		8.4	170
Naphthalene	ND		2.8	170
Nitrobenzene	ND		7.5	170
N-Nitrosodi-n-propylamine	ND		13	170
N-Nitrosodiphenylamine	ND		9.2	170
Pentachlorophenol	ND		58	330
Phenanthrene	ND		3.5	170
Phenol	ND		18	170
Pyrene	ND		1.1	170

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	81	39 - 146
2-Fluorobiphenyl	73	37 - 120
2-Fluorophenol	56	18 - 120
Nitrobenzene-d5	61	34 - 132
p-Terphenyl-d14	104	58 - 147
Phenol-d5	62	11 - 120

Method Blank TICs- Batch: 480-29814

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

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

Lab Control Sample - Batch: 480-29814

Method: 8270C

Preparation: 3550B

Lab Sample ID:	LCS 480-29814/2-A	Analysis Batch:	480-30456	Instrument ID:	HP5973W
Client Matrix:	Solid	Prep Batch:	480-29814	Lab File ID:	W4838.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+30.52 g
Analysis Date:	09/08/2011 1249	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 1326			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-Dinitrotoluene	3280	3290	100	55 - 125	
2-Chlorophenol	3280	2390	73	38 - 120	
4-Chloro-3-methylphenol	3280	2940	90	49 - 125	
4-Nitrophenol	3280	3410	104	43 - 137	
Acenaphthene	3280	2930	89	53 - 120	
Bis(2-ethylhexyl) phthalate	3280	3260	99	61 - 133	
Fluorene	3280	3050	93	63 - 126	
Hexachloroethane	3280	2250	69	41 - 120	
N-Nitrosodi-n-propylamine	3280	2600	79	46 - 120	
Pentachlorophenol	3280	3110	95	33 - 136	
Phenol	3280	2490	76	36 - 120	
Pyrene	3280	3220	98	51 - 133	
Surrogate	% Rec		Acceptance Limits		
2,4,6-Tribromophenol	98		39 - 146		
2-Fluorobiphenyl	86		37 - 120		
2-Fluorophenol	72		18 - 120		
Nitrobenzene-d5	78		34 - 132		
p-Terphenyl-d14	105		58 - 147		
Phenol-d5	77		11 - 120		

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

Method Blank - Batch: 480-30582

Method: 8270C

Preparation: 3550B

Lab Sample ID: MB 480-30582/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/12/2011 0821
Prep Date: 09/09/2011 0945
Leach Date: N/A

Analysis Batch: 480-30771
Prep Batch: 480-30582
Leach Batch: N/A
Units: ug/Kg

Instrument ID: HP5973V
Lab File ID: V4916.D
Initial Weight/Volume: +30.86 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
2,4,5-Trichlorophenol	ND		36	170
2,4,6-Trichlorophenol	ND		11	170
2,4-Dichlorophenol	ND		8.6	170
2,4-Dimethylphenol	ND		44	170
2,4-Dinitrophenol	ND		57	320
2,4-Dinitrotoluene	ND		25	170
2,6-Dinitrotoluene	ND		40	170
2-Chloronaphthalene	ND		11	170
2-Chlorophenol	ND		8.4	170
2-Methylnaphthalene	ND		2.0	170
2-Methylphenol	ND		5.0	170
2-Nitroaniline	ND		53	320
2-Nitrophenol	ND		7.5	170
3,3'-Dichlorobenzidine	ND		140	170
3-Nitroaniline	ND		38	320
4,6-Dinitro-2-methylphenol	ND		57	320
4-Bromophenyl phenyl ether	ND		52	170
4-Chloro-3-methylphenol	ND		6.8	170
4-Chloroaniline	ND		48	170
4-Chlorophenyl phenyl ether	ND		3.5	170
4-Methylphenol	ND		9.1	320
4-Nitroaniline	ND		18	320
4-Nitrophenol	ND		40	320
Acenaphthene	ND		1.9	170
Acenaphthylene	ND		1.3	170
Acetophenone	ND		8.4	170
Anthracene	ND		4.2	170
Atrazine	ND		7.3	170
Benzaldehyde	ND		18	170
Benzo(a)anthracene	ND		2.8	170
Benzo(a)pyrene	ND		4.0	170
Benzo(b)fluoranthene	ND		3.2	170
Benzo(g,h,i)perylene	ND		2.0	170
Benzo(k)fluoranthene	ND		1.8	170
Biphenyl	ND		10	170
bis (2-chloroisopropyl) ether	ND		17	170
Bis(2-chloroethoxy)methane	ND		8.9	170
Bis(2-chloroethyl)ether	ND		14	170
Bis(2-ethylhexyl) phthalate	ND		53	170
Butyl benzyl phthalate	ND		44	170
Caprolactam	ND		71	170
Carbazole	ND		1.9	170
Chrysene	ND		1.6	170
Dibenz(a,h)anthracene	ND		1.9	170
Dibenzofuran	ND		1.7	170

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

Method Blank - Batch: 480-30582

Method: 8270C Preparation: 3550B

Lab Sample ID: MB 480-30582/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/12/2011 0821
Prep Date: 09/09/2011 0945
Leach Date: N/A

Analysis Batch: 480-30771
Prep Batch: 480-30582
Leach Batch: N/A
Units: ug/Kg

Instrument ID: HP5973V
Lab File ID: V4916.D
Initial Weight/Volume: +30.86 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Diethyl phthalate	ND		5.0	170
Dimethyl phthalate	ND		4.3	170
Di-n-butyl phthalate	ND		57	170
Di-n-octyl phthalate	ND		3.8	170
Fluoranthene	ND		2.4	170
Fluorene	ND		3.8	170
Hexachlorobenzene	ND		8.2	170
Hexachlorobutadiene	ND		8.4	170
Hexachlorocyclopentadiene	ND		50	170
Hexachloroethane	ND		13	170
Indeno(1,2,3-cd)pyrene	ND		4.5	170
Isophorone	ND		8.2	170
Naphthalene	ND		2.7	170
Nitrobenzene	ND		7.3	170
N-Nitrosodi-n-propylamine	ND		13	170
N-Nitrosodiphenylamine	ND		9.0	170
Pentachlorophenol	ND		56	320
Phenanthrene	ND		3.4	170
Phenol	ND		17	170
Pyrene	ND		1.1	170

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	92	39 - 146
2-Fluorobiphenyl	88	37 - 120
2-Fluorophenol	78	18 - 120
Nitrobenzene-d5	79	34 - 132
p-Terphenyl-d14	102	58 - 147
Phenol-d5	85	11 - 120

Method Blank TICs- Batch: 480-30582

Cas Number	Analyte	RT	Est. Result	Qual
	Voa Target	2.62	267	T J
	Voa Target	4.66	557	T J

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

Lab Control Sample - Batch: 480-30582

Method: 8270C

Preparation: 3550B

Lab Sample ID: LCS 480-30582/2-A
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 09/12/2011 0845
 Prep Date: 09/09/2011 0945
 Leach Date: N/A

Analysis Batch: 480-30771
 Prep Batch: 480-30582
 Leach Batch: N/A
 Units: ug/Kg

Instrument ID: HP5973V
 Lab File ID: V4917.D
 Initial Weight/Volume: +30.62 g
 Final Weight/Volume: 1 mL
 Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-Dinitrotoluene	3270	3480	107	55 - 125	
2-Chlorophenol	3270	2820	86	38 - 120	
4-Chloro-3-methylphenol	3270	3240	99	49 - 125	
4-Nitrophenol	3270	3150	97	43 - 137	
Acenaphthene	3270	3170	97	53 - 120	
Bis(2-ethylhexyl) phthalate	3270	3220	99	61 - 133	
Fluorene	3270	3310	101	63 - 126	
Hexachloroethane	3270	2450	75	41 - 120	
N-Nitrosodi-n-propylamine	3270	3010	92	46 - 120	
Pentachlorophenol	3270	2990	92	33 - 136	
Phenol	3270	2900	89	36 - 120	
Pyrene	3270	3120	95	51 - 133	
Surrogate	% Rec		Acceptance Limits		
2,4,6-Tribromophenol	108		39 - 146		
2-Fluorobiphenyl	95		37 - 120		
2-Fluorophenol	84		18 - 120		
Nitrobenzene-d5	88		34 - 132		
p-Terphenyl-d14	104		58 - 147		
Phenol-d5	92		11 - 120		

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

Method Blank - Batch: 480-30841

Method: 8270C

Preparation: 3550B

Lab Sample ID: MB 480-30841/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/13/2011 0823
Prep Date: 09/12/2011 1109
Leach Date: N/A

Analysis Batch: 480-30945
Prep Batch: 480-30841
Leach Batch: N/A
Units: ug/Kg

Instrument ID: HP5973V
Lab File ID: V4960.D
Initial Weight/Volume: +30.37 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
2,4,5-Trichlorophenol	ND		36	170
2,4,6-Trichlorophenol	ND		11	170
2,4-Dichlorophenol	ND		8.7	170
2,4-Dimethylphenol	ND		45	170
2,4-Dinitrophenol	ND		58	330
2,4-Dinitrotoluene	ND		26	170
2,6-Dinitrotoluene	ND		41	170
2-Chloronaphthalene	ND		11	170
2-Chlorophenol	ND		8.5	170
2-Methylnaphthalene	ND		2.0	170
2-Methylphenol	ND		5.1	170
2-Nitroaniline	ND		53	330
2-Nitrophenol	ND		7.6	170
3,3'-Dichlorobenzidine	ND		150	170
3-Nitroaniline	ND		38	330
4,6-Dinitro-2-methylphenol	ND		58	330
4-Bromophenyl phenyl ether	ND		53	170
4-Chloro-3-methylphenol	ND		6.9	170
4-Chloroaniline	ND		49	170
4-Chlorophenyl phenyl ether	ND		3.6	170
4-Methylphenol	ND		9.3	330
4-Nitroaniline	ND		19	330
4-Nitrophenol	ND		40	330
Acenaphthene	ND		2.0	170
Acenaphthylene	ND		1.4	170
Acetophenone	ND		8.6	170
Anthracene	ND		4.3	170
Atrazine	ND		7.4	170
Benzaldehyde	ND		18	170
Benzo(a)anthracene	ND		2.9	170
Benzo(a)pyrene	ND		4.0	170
Benzo(b)fluoranthene	ND		3.2	170
Benzo(g,h,i)perylene	ND		2.0	170
Benzo(k)fluoranthene	ND		1.8	170
Biphenyl	ND		10	170
bis (2-chloroisopropyl) ether	ND		17	170
Bis(2-chloroethoxy)methane	ND		9.1	170
Bis(2-chloroethyl)ether	ND		14	170
Bis(2-ethylhexyl) phthalate	ND		54	170
Butyl benzyl phthalate	ND		45	170
Caprolactam	ND		72	170
Carbazole	ND		1.9	170
Chrysene	ND		1.7	170
Dibenz(a,h)anthracene	ND		2.0	170
Dibenzofuran	ND		1.7	170

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

Method Blank - Batch: 480-30841

Method: 8270C Preparation: 3550B

Lab Sample ID: MB 480-30841/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/13/2011 0823
Prep Date: 09/12/2011 1109
Leach Date: N/A

Analysis Batch: 480-30945
Prep Batch: 480-30841
Leach Batch: N/A
Units: ug/Kg

Instrument ID: HP5973V
Lab File ID: V4960.D
Initial Weight/Volume: +30.37 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Diethyl phthalate	ND		5.0	170
Dimethyl phthalate	ND		4.4	170
Di-n-butyl phthalate	ND		58	170
Di-n-octyl phthalate	ND		3.9	170
Fluoranthene	ND		2.4	170
Fluorene	ND		3.8	170
Hexachlorobenzene	ND		8.3	170
Hexachlorobutadiene	ND		8.5	170
Hexachlorocyclopentadiene	ND		50	170
Hexachloroethane	ND		13	170
Indeno(1,2,3-cd)pyrene	ND		4.6	170
Isophorone	ND		8.3	170
Naphthalene	ND		2.8	170
Nitrobenzene	ND		7.4	170
N-Nitrosodi-n-propylamine	ND		13	170
N-Nitrosodiphenylamine	ND		9.1	170
Pentachlorophenol	ND		57	330
Phenanthrene	ND		3.5	170
Phenol	ND		18	170
Pyrene	ND		1.1	170

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	95	39 - 146
2-Fluorobiphenyl	96	37 - 120
2-Fluorophenol	89	18 - 120
Nitrobenzene-d5	88	34 - 132
p-Terphenyl-d14	103	58 - 147
Phenol-d5	95	11 - 120

Method Blank TICs- Batch: 480-30841

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

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

Lab Control Sample - Batch: 480-30841

Method: 8270C

Preparation: 3550B

Lab Sample ID: LCS 480-30841/2-A
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 09/13/2011 0847
 Prep Date: 09/12/2011 1109
 Leach Date: N/A

Analysis Batch: 480-30945
 Prep Batch: 480-30841
 Leach Batch: N/A
 Units: ug/Kg

Instrument ID: HP5973V
 Lab File ID: V4961.D
 Initial Weight/Volume: +30.58 g
 Final Weight/Volume: 1 mL
 Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-Dinitrotoluene	3270	3490	107	55 - 125	
2-Chlorophenol	3270	2820	86	38 - 120	
4-Chloro-3-methylphenol	3270	3290	101	49 - 125	
4-Nitrophenol	3270	3180	97	43 - 137	
Acenaphthene	3270	3280	100	53 - 120	
Bis(2-ethylhexyl) phthalate	3270	3140	96	61 - 133	
Fluorene	3270	3380	103	63 - 126	
Hexachloroethane	3270	2310	71	41 - 120	
N-Nitrosodi-n-propylamine	3270	3050	93	46 - 120	
Pentachlorophenol	3270	2580	79	33 - 136	
Phenol	3270	2930	90	36 - 120	
Pyrene	3270	3050	93	51 - 133	
Surrogate	% Rec		Acceptance Limits		
2,4,6-Tribromophenol	109		39 - 146		
2-Fluorobiphenyl	98		37 - 120		
2-Fluorophenol	86		18 - 120		
Nitrobenzene-d5	88		34 - 132		
p-Terphenyl-d14	101		58 - 147		
Phenol-d5	93		11 - 120		

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 480-30841

Method: 8270C
Preparation: 3550B

MS Lab Sample ID:	480-9503-6	Analysis Batch:	480-31527	Instrument ID:	HP5973V
Client Matrix:	Solid	Prep Batch:	480-30841	Lab File ID:	V5124.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+30.44 g
Analysis Date:	09/16/2011 1428			Final Weight/Volume:	1 mL
Prep Date:	09/12/2011 1109			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	480-9503-6	Analysis Batch:	480-31329	Instrument ID:	HP5973V
Client Matrix:	Solid	Prep Batch:	480-30841	Lab File ID:	V5080.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+30.53 g
Analysis Date:	09/15/2011 1706			Final Weight/Volume:	1 mL
Prep Date:	09/12/2011 1109			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
2,4-Dinitrotoluene	102	108	55 - 125	6	20		
2-Chlorophenol	89	93	38 - 120	4	25		
4-Chloro-3-methylphenol	99	112	49 - 125	12	27		
4-Nitrophenol	87	96	43 - 137	9	25		
Acenaphthene	100	102	53 - 120	1	35		
Bis(2-ethylhexyl) phthalate	87	93	61 - 133	7	15		
Fluorene	98	101	63 - 126	2	15		
Hexachloroethane	72	67	41 - 120	7	46		
N-Nitrosodi-n-propylamine	96	93	46 - 120	4	31		
Pentachlorophenol	90	92	33 - 136	2	35		
Phenol	94	102	36 - 120	8	35		
Pyrene	85	88	51 - 133	3	35		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
2,4,6-Tribromophenol	119		119	39 - 146			
2-Fluorobiphenyl	96		120	37 - 120			
2-Fluorophenol	89		117	18 - 120			
Nitrobenzene-d5	88		93	34 - 132			
Phenol-d5	97		103	11 - 120			
p-Terphenyl-d14	93		96	58 - 147			

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-30841**

**Method: 8270C
Preparation: 3550B**

MS Lab Sample ID: 480-9503-6 Units: ug/Kg
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/16/2011 1428
Prep Date: 09/12/2011 1109
Leach Date: N/A

MSD Lab Sample ID: 480-9503-6
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/15/2011 1706
Prep Date: 09/12/2011 1109
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
2,4-Dinitrotoluene	ND	4010	4000	4080	4320
2-Chlorophenol	ND	4010	4000	3570	3720
4-Chloro-3-methylphenol	ND	4010	4000	3970	4490
4-Nitrophenol	ND	4010	4000	3490	3830
Acenaphthene	ND	4010	4000	4010	4070
Bis(2-ethylhexyl) phthalate	ND	4010	4000	3490	3740
Fluorene	110 J	4010	4000	4050	4150
Hexachloroethane	ND	4010	4000	2880	2680
N-Nitrosodi-n-propylamine	ND	4010	4000	3860	3710
Pentachlorophenol	ND	4010	4000	3620	3700
Phenol	ND	4010	4000	3770	4070
Pyrene	31 J	4010	4000	3460	3570

DATA REPORTING QUALIFIERS

Client: CHA Inc

Job Number: 480-9072-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	J	Indicates an Estimated Value for TICs
	N	Presumptive evidence of material.
	T	Result is a tentatively identified compound (TIC) and an estimated value.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	J	Indicates an Estimated Value for TICs
	F	MS or MSD exceeds the control limits
	N	Presumptive evidence of material.
	E	Result exceeded calibration range.
	T	Result is a tentatively identified compound (TIC) and an estimated value.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch	
		Basis	Client Matrix			
GC/MS VOA						
Analysis Batch:480-29441						
LCS 480-29441/4	Lab Control Sample	T	Solid	8260B	480-29456	
MB 480-29441/5	Method Blank	T	Solid	8260B		
480-9072-1	SB-B4 (5-8)	T	Solid	8260B		
480-9072-2	SB-B5 (5-9)	T	Solid	8260B		
480-9072-3	SB-B6 (5-9)	T	Solid	8260B		
Prep Batch: 480-29456						
480-9072-1	SB-B4 (5-8)	T	Solid	5035		
480-9072-2	SB-B5 (5-9)	T	Solid	5035		
480-9072-3	SB-B6 (5-9)	T	Solid	5035		
Analysis Batch:480-30731						
LCS 480-30731/4	Lab Control Sample	T	Solid	8260B	480-30734	
MB 480-30731/5	Method Blank	T	Solid	8260B		
480-9503-1	SB-C3 (5-8)	T	Solid	8260B		
480-9503-3	SB-C8 (3-4)	T	Solid	8260B		
480-9503-4	SB-C1 (5-8)	T	Solid	8260B		
480-9503-5	DUP-01	T	Solid	8260B		
480-9503-6	SB-B1 (5-9)	T	Solid	8260B		
480-9503-6MS	Matrix Spike	T	Solid	8260B		
480-9503-6MSD	Matrix Spike Duplicate	T	Solid	8260B		
480-9503-7	SB-B2 (3-4)	T	Solid	8260B		
480-9503-8	DUP-02	T	Solid	8260B		
Prep Batch: 480-30734						
480-9503-1	SB-C3 (5-8)	T	Solid	5035		
480-9503-2	SB-C6 (5-6)	T	Solid	5035		
480-9503-3	SB-C8 (3-4)	T	Solid	5035		
480-9503-4	SB-C1 (5-8)	T	Solid	5035		
480-9503-5	DUP-01	T	Solid	5035		
480-9503-6	SB-B1 (5-9)	T	Solid	5035		
480-9503-6MS	Matrix Spike	T	Solid	5035		
480-9503-6MSD	Matrix Spike Duplicate	T	Solid	5035		
480-9503-7	SB-B2 (3-4)	T	Solid	5035		
480-9503-8	DUP-02	T	Solid	5035		
Analysis Batch:480-30918						
LCS 480-30918/4	Lab Control Sample	T	Solid	8260B	480-30734	
MB 480-30918/5	Method Blank	T	Solid	8260B		
480-9503-2	SB-C6 (5-6)	T	Solid	8260B		
Analysis Batch:480-31837						
LCS 480-31837/4	Lab Control Sample	T	Water	8260B		
MB 480-31837/5	Method Blank	T	Water	8260B		
480-9503-9TB	TRIP BLANK	T	Water	8260B		

TestAmerica Buffalo

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis

T = Total

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
GC/MS Semi VOA					
Prep Batch: 480-29814					
LCS 480-29814/2-A	Lab Control Sample	T	Solid	3550B	
MB 480-29814/1-A	Method Blank	T	Solid	3550B	
480-9072-1	SB-B4 (5-8)	T	Solid	3550B	
480-9072-2	SB-B5 (5-9)	T	Solid	3550B	
480-9072-3	SB-B6 (5-9)	T	Solid	3550B	
Analysis Batch:480-30456					
LCS 480-29814/2-A	Lab Control Sample	T	Solid	8270C	480-29814
MB 480-29814/1-A	Method Blank	T	Solid	8270C	480-29814
480-9072-1	SB-B4 (5-8)	T	Solid	8270C	480-29814
480-9072-2	SB-B5 (5-9)	T	Solid	8270C	480-29814
480-9072-3	SB-B6 (5-9)	T	Solid	8270C	480-29814
Prep Batch: 480-30582					
LCS 480-30582/2-A	Lab Control Sample	T	Solid	3550B	
MB 480-30582/1-A	Method Blank	T	Solid	3550B	
480-9503-1	SB-C3 (5-8)	T	Solid	3550B	
480-9503-2	SB-C6 (5-6)	T	Solid	3550B	
480-9503-3	SB-C8 (3-4)	T	Solid	3550B	
480-9503-4	SB-C1 (5-8)	T	Solid	3550B	
480-9503-5	DUP-01	T	Solid	3550B	
Analysis Batch:480-30771					
LCS 480-30582/2-A	Lab Control Sample	T	Solid	8270C	480-30582
MB 480-30582/1-A	Method Blank	T	Solid	8270C	480-30582
480-9503-1	SB-C3 (5-8)	T	Solid	8270C	480-30582
480-9503-2	SB-C6 (5-6)	T	Solid	8270C	480-30582
480-9503-3	SB-C8 (3-4)	T	Solid	8270C	480-30582
480-9503-4	SB-C1 (5-8)	T	Solid	8270C	480-30582
480-9503-5	DUP-01	T	Solid	8270C	480-30582
Prep Batch: 480-30841					
LCS 480-30841/2-A	Lab Control Sample	T	Solid	3550B	
MB 480-30841/1-A	Method Blank	T	Solid	3550B	
480-9503-6	SB-B1 (5-9)	T	Solid	3550B	
480-9503-6MS	Matrix Spike	T	Solid	3550B	
480-9503-6MSD	Matrix Spike Duplicate	T	Solid	3550B	
480-9503-7	SB-B2 (3-4)	T	Solid	3550B	
480-9503-8	DUP-02	T	Solid	3550B	
Analysis Batch:480-30945					
LCS 480-30841/2-A	Lab Control Sample	T	Solid	8270C	480-30841
MB 480-30841/1-A	Method Blank	T	Solid	8270C	480-30841

TestAmerica Buffalo

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
GC/MS Semi VOA					
Analysis Batch:480-31329					
480-9503-6	SB-B1 (5-9)	T	Solid	8270C	480-30841
480-9503-6MSD	Matrix Spike Duplicate	T	Solid	8270C	480-30841
480-9503-8	DUP-02	T	Solid	8270C	480-30841
Analysis Batch:480-31527					
480-9503-6MS	Matrix Spike	T	Solid	8270C	480-30841
480-9503-7	SB-B2 (3-4)	T	Solid	8270C	480-30841

Report Basis

T = Total

General Chemistry

Analysis Batch:480-29473					
480-9072-1	SB-B4 (5-8)	T	Solid	Moisture	
480-9072-2	SB-B5 (5-9)	T	Solid	Moisture	
480-9072-3	SB-B6 (5-9)	T	Solid	Moisture	
Analysis Batch:480-30917					
480-9503-1	SB-C3 (5-8)	T	Solid	Moisture	
480-9503-2	SB-C6 (5-6)	T	Solid	Moisture	
480-9503-3	SB-C8 (3-4)	T	Solid	Moisture	
480-9503-4	SB-C1 (5-8)	T	Solid	Moisture	
480-9503-5	DUP-01	T	Solid	Moisture	
480-9503-6	SB-B1 (5-9)	T	Solid	Moisture	
480-9503-6MS	Matrix Spike	T	Solid	Moisture	
480-9503-6MSD	Matrix Spike Duplicate	T	Solid	Moisture	
480-9503-7	SB-B2 (3-4)	T	Solid	Moisture	
480-9503-8	DUP-02	T	Solid	Moisture	

Report Basis

T = Total

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

Laboratory Chronicle

Lab ID: 480-9072-1

Client ID: SB-B4 (5-8)

Sample Date/Time: 08/25/2011 08:30

Received Date/Time: 08/27/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-9072-A-1-A		480-29441	480-29456	08/30/2011 11:48	1	TAL BUF	PJQ
A:8260B	480-9072-A-1-A		480-29441	480-29456	08/30/2011 20:03	1	TAL BUF	PJQ
P:3550B	480-9072-E-1-A		480-30456	480-29814	09/01/2011 13:26	5	TAL BUF	DE
A:8270C	480-9072-E-1-A		480-30456	480-29814	09/08/2011 13:13	5	TAL BUF	KP
A:Moisture	480-9072-A-1		480-29473		08/30/2011 14:43	1	TAL BUF	ZLR

Lab ID: 480-9072-2

Client ID: SB-B5 (5-9)

Sample Date/Time: 08/25/2011 09:45

Received Date/Time: 08/27/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-9072-A-2-A		480-29441	480-29456	08/30/2011 11:48	1	TAL BUF	PJQ
A:8260B	480-9072-A-2-A		480-29441	480-29456	08/30/2011 20:28	1	TAL BUF	PJQ
P:3550B	480-9072-E-2-A		480-30456	480-29814	09/01/2011 13:26	1	TAL BUF	DE
A:8270C	480-9072-E-2-A		480-30456	480-29814	09/08/2011 13:36	1	TAL BUF	KP
A:Moisture	480-9072-A-2		480-29473		08/30/2011 14:43	1	TAL BUF	ZLR

Lab ID: 480-9072-3

Client ID: SB-B6 (5-9)

Sample Date/Time: 08/25/2011 14:15

Received Date/Time: 08/27/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-9072-A-3-A		480-29441	480-29456	08/30/2011 11:48	1	TAL BUF	PJQ
A:8260B	480-9072-A-3-A		480-29441	480-29456	08/30/2011 20:54	1	TAL BUF	PJQ
P:3550B	480-9072-E-3-A		480-30456	480-29814	09/01/2011 13:26	1	TAL BUF	DE
A:8270C	480-9072-E-3-A		480-30456	480-29814	09/08/2011 14:00	1	TAL BUF	KP
A:Moisture	480-9072-A-3		480-29473		08/30/2011 14:43	1	TAL BUF	ZLR

Lab ID: 480-9503-1

Client ID: SB-C3 (5-8)

Sample Date/Time: 09/06/2011 10:45

Received Date/Time: 09/08/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-9503-A-1-A		480-30731	480-30734	09/10/2011 13:41	1	TAL BUF	PJQ
A:8260B	480-9503-A-1-A		480-30731	480-30734	09/10/2011 16:03	1	TAL BUF	TRB
P:3550B	480-9503-E-1-A		480-30771	480-30582	09/09/2011 09:45	1	TAL BUF	MRB
A:8270C	480-9503-E-1-A		480-30771	480-30582	09/12/2011 12:19	1	TAL BUF	MP
A:Moisture	480-9503-A-1		480-30917		09/12/2011 17:37	1	TAL BUF	KK

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

Laboratory Chronicle

Lab ID: 480-9503-2

Client ID: SB-C6 (5-6)

Sample Date/Time: 09/06/2011 12:40

Received Date/Time: 09/08/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-9503-B-2-A		480-30918	480-30734	09/12/2011 18:14	1	TAL BUF	PJQ
A:8260B	480-9503-B-2-A		480-30918	480-30734	09/12/2011 20:58	1	TAL BUF	RJ
P:3550B	480-9503-E-2-A		480-30771	480-30582	09/09/2011 09:45	1	TAL BUF	MRB
A:8270C	480-9503-E-2-A		480-30771	480-30582	09/12/2011 12:43	1	TAL BUF	MP
A:Moisture	480-9503-A-2		480-30917		09/12/2011 17:37	1	TAL BUF	KK

Lab ID: 480-9503-3

Client ID: SB-C8 (3-4)

Sample Date/Time: 09/06/2011 13:15

Received Date/Time: 09/08/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-9503-A-3-A		480-30731	480-30734	09/10/2011 13:41	1	TAL BUF	PJQ
A:8260B	480-9503-A-3-A		480-30731	480-30734	09/10/2011 16:54	1	TAL BUF	TRB
P:3550B	480-9503-E-3-A		480-30771	480-30582	09/09/2011 09:45	1	TAL BUF	MRB
A:8270C	480-9503-E-3-A		480-30771	480-30582	09/12/2011 13:07	1	TAL BUF	MP
A:Moisture	480-9503-A-3		480-30917		09/12/2011 17:37	1	TAL BUF	KK

Lab ID: 480-9503-4

Client ID: SB-C1 (5-8)

Sample Date/Time: 09/06/2011 14:10

Received Date/Time: 09/08/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-9503-A-4-A		480-30731	480-30734	09/10/2011 13:41	1	TAL BUF	PJQ
A:8260B	480-9503-A-4-A		480-30731	480-30734	09/10/2011 17:20	1	TAL BUF	TRB
P:3550B	480-9503-E-4-A		480-30771	480-30582	09/09/2011 09:45	1	TAL BUF	MRB
A:8270C	480-9503-E-4-A		480-30771	480-30582	09/12/2011 13:30	1	TAL BUF	MP
A:Moisture	480-9503-A-4		480-30917		09/12/2011 17:37	1	TAL BUF	KK

Lab ID: 480-9503-5

Client ID: DUP-01

Sample Date/Time: 09/06/2011 10:00

Received Date/Time: 09/08/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-9503-A-5-A		480-30731	480-30734	09/10/2011 13:41	1	TAL BUF	PJQ
A:8260B	480-9503-A-5-A		480-30731	480-30734	09/10/2011 17:45	1	TAL BUF	TRB
P:3550B	480-9503-E-5-A		480-30771	480-30582	09/09/2011 09:45	1	TAL BUF	MRB
A:8270C	480-9503-E-5-A		480-30771	480-30582	09/12/2011 13:54	1	TAL BUF	MP
A:Moisture	480-9503-A-5		480-30917		09/12/2011 17:37	1	TAL BUF	KK

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

Laboratory Chronicle

Lab ID: 480-9503-6

Client ID: SB-B1 (5-9)

Sample Date/Time: 09/07/2011 07:50

Received Date/Time: 09/08/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-9503-B-6-A		480-30731	480-30734	09/10/2011 13:41	1	TAL BUF	PJQ
A:8260B	480-9503-B-6-A		480-30731	480-30734	09/10/2011 18:11	1	TAL BUF	TRB
P:3550B	480-9503-E-6-C		480-31329	480-30841	09/12/2011 11:09	1	TAL BUF	MRB
A:8270C	480-9503-E-6-C		480-31329	480-30841	09/15/2011 17:29	1	TAL BUF	MP
A:Moisture	480-9503-A-6		480-30917		09/12/2011 17:37	1	TAL BUF	KK

Lab ID: 480-9503-6

Client ID: SB-B1 (5-9)

Sample Date/Time: 09/07/2011 07:50

Received Date/Time: 09/08/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-9503-A-6-A MS		480-30731	480-30734	09/10/2011 13:41	1	TAL BUF	PJQ
A:8260B	480-9503-A-6-A MS		480-30731	480-30734	09/10/2011 18:36	1	TAL BUF	TRB
P:3550B	480-9503-E-6-A MS		480-31527	480-30841	09/12/2011 11:09	1	TAL BUF	MRB
A:8270C	480-9503-E-6-A MS		480-31527	480-30841	09/16/2011 14:28	1	TAL BUF	MP
A:Moisture	480-9503-A-6 MS		480-30917		09/12/2011 17:37	1	TAL BUF	KK

Lab ID: 480-9503-6

Client ID: SB-B1 (5-9)

Sample Date/Time: 09/07/2011 07:50

Received Date/Time: 09/08/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-9503-A-6-B MSD		480-30731	480-30734	09/10/2011 13:41	1	TAL BUF	PJQ
A:8260B	480-9503-A-6-B MSD		480-30731	480-30734	09/10/2011 19:01	1	TAL BUF	TRB
P:3550B	480-9503-E-6-B MSD		480-31329	480-30841	09/12/2011 11:09	1	TAL BUF	MRB
A:8270C	480-9503-E-6-B MSD		480-31329	480-30841	09/15/2011 17:06	1	TAL BUF	MP
A:Moisture	480-9503-A-6 MSD		480-30917		09/12/2011 17:37	1	TAL BUF	KK

Lab ID: 480-9503-7

Client ID: SB-B2 (3-4)

Sample Date/Time: 09/07/2011 09:45

Received Date/Time: 09/08/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-9503-A-7-A		480-30731	480-30734	09/10/2011 13:41	1	TAL BUF	PJQ
A:8260B	480-9503-A-7-A		480-30731	480-30734	09/10/2011 19:27	1	TAL BUF	TRB
P:3550B	480-9503-E-7-A		480-31527	480-30841	09/12/2011 11:09	1	TAL BUF	MRB
A:8270C	480-9503-E-7-A		480-31527	480-30841	09/16/2011 14:52	1	TAL BUF	MP
A:Moisture	480-9503-A-7		480-30917		09/12/2011 17:37	1	TAL BUF	KK

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

Laboratory Chronicle

Lab ID: 480-9503-8

Client ID: DUP-02

Sample Date/Time: 09/07/2011 11:00

Received Date/Time: 09/08/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-9503-A-8-A		480-30731	480-30734	09/10/2011 13:41	1	TAL BUF	PJQ
A:8260B	480-9503-A-8-A		480-30731	480-30734	09/10/2011 19:53	1	TAL BUF	TRB
P:3550B	480-9503-E-8-A		480-31329	480-30841	09/12/2011 11:09	5	TAL BUF	MRB
A:8270C	480-9503-E-8-A		480-31329	480-30841	09/15/2011 18:17	5	TAL BUF	MP
A:Moisture	480-9503-A-8		480-30917		09/12/2011 17:37	1	TAL BUF	KK

Lab ID: 480-9503-9

Client ID: TRIP BLANK

Sample Date/Time: 09/07/2011 00:00

Received Date/Time: 09/08/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-9503-A-9		480-31837		09/10/2011 15:12	1	TAL BUF	JMB
A:8260B	480-9503-A-9		480-31837		09/10/2011 15:12	1	TAL BUF	JMB

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:8260B	MB 480-29441/5		480-29441		08/30/2011 13:25	1	TAL BUF	PJQ
P:5030B	MB 480-31837/5		480-31837		09/10/2011 14:33	1	TAL BUF	JMB
A:8260B	MB 480-30731/5		480-30731		09/10/2011 14:33	1	TAL BUF	TRB
A:8260B	MB 480-31837/5		480-31837		09/10/2011 14:33	1	TAL BUF	JMB
A:8260B	MB 480-30918/5		480-30918		09/12/2011 20:24	1	TAL BUF	RJ
P:3550B	MB 480-29814/1-A		480-30456	480-29814	09/01/2011 13:26	1	TAL BUF	DE
A:8270C	MB 480-29814/1-A		480-30456	480-29814	09/08/2011 12:21	1	TAL BUF	KP
P:3550B	MB 480-30582/1-A		480-30771	480-30582	09/09/2011 09:45	1	TAL BUF	MRB
A:8270C	MB 480-30582/1-A		480-30771	480-30582	09/12/2011 08:21	1	TAL BUF	MP
P:3550B	MB 480-30841/1-A		480-30945	480-30841	09/12/2011 11:09	1	TAL BUF	MRB
A:8270C	MB 480-30841/1-A		480-30945	480-30841	09/13/2011 08:23	1	TAL BUF	MP

Quality Control Results

Client: CHA Inc

Job Number: 480-9072-1

Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:8260B	LCS 480-29441/4		480-29441		08/30/2011 12:59	1	TAL BUF	PJQ
P:5030B	LCS 480-31837/4		480-31837		09/10/2011 14:07	1	TAL BUF	JMB
A:8260B	LCS 480-30731/4		480-30731		09/10/2011 14:07	1	TAL BUF	TRB
A:8260B	LCS 480-31837/4		480-31837		09/10/2011 14:07	1	TAL BUF	JMB
A:8260B	LCS 480-30918/4		480-30918		09/12/2011 19:58	1	TAL BUF	RJ
P:3550B	LCS 480-29814/2-A		480-30456	480-29814	09/01/2011 13:26	1	TAL BUF	DE
A:8270C	LCS 480-29814/2-A		480-30456	480-29814	09/08/2011 12:49	1	TAL BUF	KP
P:3550B	LCS 480-30582/2-A		480-30771	480-30582	09/09/2011 09:45	1	TAL BUF	MRB
A:8270C	LCS 480-30582/2-A		480-30771	480-30582	09/12/2011 08:45	1	TAL BUF	MP
P:3550B	LCS 480-30841/2-A		480-30945	480-30841	09/12/2011 11:09	1	TAL BUF	MRB
A:8270C	LCS 480-30841/2-A		480-30945	480-30841	09/13/2011 08:47	1	TAL BUF	MP

Lab References:

TAL BUF = TestAmerica Buffalo

Certification Summary

Client: CHA Inc
Project/Site: ALCO-Maxon Site

TestAmerica Job ID: 480-9072-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	Georgia EPD	4	N/A
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Illinois	NELAC	5	100325 / 200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	Kentucky UST	4	30
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY0044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Hampshire	NELAC	1	68-00281
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-08-TX
TestAmerica Buffalo	USDA	USDA		P330-08-00242
TestAmerica Buffalo	Virginia	NELAC Secondary AB	3	460185
TestAmerica Buffalo	Virginia	State Program	3	278
TestAmerica Buffalo	Washington	State Program	10	C1677
TestAmerica Buffalo	West Virginia	West Virginia DEP	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

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

Method 8260B

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Matrix: Solid Level: Low
 GC Column (1): ZB-624 (60) ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
SB-B4 (5-8)	480-9072-1	86	97	96
SB-B5 (5-9)	480-9072-2	88	95	98
SB-B6 (5-9)	480-9072-3	86	92	94
SB-C3 (5-8)	480-9503-1	96	97	92
SB-C6 (5-6)	480-9503-2	99	93	96
SB-C8 (3-4)	480-9503-3	96	97	95
SB-C1 (5-8)	480-9503-4	95	98	90
DUP-01	480-9503-5	96	97	92
SB-B1 (5-9)	480-9503-6	99	93	96
SB-B2 (3-4)	480-9503-7	96	96	96
DUP-02	480-9503-8	95	97	94
	MB 480-29441/5	82	100	100
	MB 480-30731/5	87	97	91
	MB 480-30918/5	94	96	94
	LCS 480-29441/4	87	101	104
	LCS 480-30731/4	92	96	94
	LCS 480-30918/4	93	95	95
SB-B1 (5-9) MS	480-9503-6 MS	85	93	93
SB-B1 (5-9) MSD	480-9503-6 MSD	84	96	96

	<u>QC LIMITS</u>
DCA = 1,2-Dichloroethane-d4 (Surr)	64-126
TOL = Toluene-d8 (Surr)	71-125
BFB = 4-Bromofluorobenzene (Surr)	72-126

Column to be used to flag recovery values

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Matrix: Water Level: Low
GC Column (1): ZB-624 (60) ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
TRIP BLANK	480-9503-9	96	97	94
	MB 480-31837/5	87	97	91
	LCS 480-31837/4	92	96	94

	<u>QC LIMITS</u>
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: P4756.D
 Lab ID: LCS 480-29441/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	50.0	50.8	102	79-126	
1,1-Dichloroethene	50.0	48.4	97	65-153	
1,2-Dichlorobenzene	50.0	51.7	103	75-120	
1,2-Dichloroethane	50.0	49.9	100	77-122	
Benzene	50.0	52.6	105	79-127	
Chlorobenzene	50.0	55.1	110	76-124	
cis-1,2-Dichloroethene	50.0	50.9	102	81-117	
Ethylbenzene	50.0	53.4	107	80-120	
Methyl tert-butyl ether	50.0	50.8	102	63-125	
Tetrachloroethene	50.0	52.0	104	74-122	
Toluene	50.0	51.8	104	74-128	
trans-1,2-Dichloroethene	50.0	52.1	104	78-126	
Trichloroethene	50.0	51.6	103	77-129	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: F3810.D
 Lab ID: LCS 480-30731/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	50.0	50.2	100	79-126	
1,1-Dichloroethene	50.0	44.4	89	65-153	
1,2-Dichlorobenzene	50.0	48.7	97	75-120	
1,2-Dichloroethane	50.0	53.3	107	77-122	
Benzene	50.0	49.4	99	79-127	
Chlorobenzene	50.0	49.2	98	76-124	
cis-1,2-Dichloroethene	50.0	48.1	96	81-117	
Ethylbenzene	50.0	49.4	99	80-120	
Methyl tert-butyl ether	50.0	48.5	97	63-125	
Tetrachloroethene	50.0	47.0	94	74-122	
Toluene	50.0	47.0	94	74-128	
trans-1,2-Dichloroethene	50.0	49.0	98	78-126	
Trichloroethene	50.0	48.3	97	77-129	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: F3832.D
 Lab ID: LCS 480-30918/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	50.0	53.9	108	79-126	
1,1-Dichloroethene	50.0	47.4	95	65-153	
1,2-Dichlorobenzene	50.0	49.7	99	75-120	
1,2-Dichloroethane	50.0	55.6	111	77-122	
Benzene	50.0	52.4	105	79-127	
Chlorobenzene	50.0	51.0	102	76-124	
cis-1,2-Dichloroethene	50.0	50.9	102	81-117	
Ethylbenzene	50.0	51.4	103	80-120	
Methyl tert-butyl ether	50.0	51.3	103	63-125	
Tetrachloroethene	50.0	49.7	99	74-122	
Toluene	50.0	49.2	98	74-128	
trans-1,2-Dichloroethene	50.0	52.6	105	78-126	
Trichloroethene	50.0	51.7	103	77-129	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: F3810A.D
 Lab ID: LCS 480-31837/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	50.0	50.2	100	71-129	
1,1-Dichloroethene	50.0	44.4	89	65-138	
1,2-Dichlorobenzene	50.0	48.7	97	77-120	
1,2-Dichloroethane	50.0	53.3	107	75-127	
Benzene	50.0	49.4	99	71-124	
Chlorobenzene	50.0	49.2	98	72-120	
cis-1,2-Dichloroethene	50.0	48.1	96	74-124	
Ethylbenzene	50.0	49.4	99	77-123	
Methyl tert-butyl ether	50.0	48.5	97	64-127	
Tetrachloroethene	50.0	47.0	94	74-122	
Toluene	50.0	47.0	94	70-122	
trans-1,2-Dichloroethene	50.0	49.0	98	73-127	
Trichloroethene	50.0	48.3	97	74-123	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: F3820.D
 Lab ID: 480-9503-6 MS Client ID: SB-B1 (5-9) MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	42.1	ND	40.1	95	79-126	
1,1-Dichloroethene	42.1	ND	36.1	86	65-153	
1,2-Dichlorobenzene	42.1	ND	32.5	77	75-120	
1,2-Dichloroethane	42.1	ND	37.8	90	77-122	
Benzene	42.1	ND	38.5	92	79-127	
Chlorobenzene	42.1	ND	36.1	86	76-124	
cis-1,2-Dichloroethene	42.1	ND	37.9	90	81-117	
Ethylbenzene	42.1	1.8 J	37.1	84	80-120	
Methyl tert-butyl ether	42.1	ND	34.6	82	63-125	
Tetrachloroethene	42.1	ND	32.9	78	74-122	
Toluene	42.1	0.42 J	35.0	82	74-128	
trans-1,2-Dichloroethene	42.1	ND	39.0	93	78-126	
Trichloroethene	42.1	ND	37.4	89	77-129	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: F3821.D
 Lab ID: 480-9503-6 MSD Client ID: SB-B1 (5-9) MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1-Dichloroethane	42.7	41.3	97	3	30	79-126	
1,1-Dichloroethene	42.7	36.4	85	1	30	65-153	
1,2-Dichlorobenzene	42.7	34.4	80	6	30	75-120	
1,2-Dichloroethane	42.7	38.3	90	1	30	77-122	
Benzene	42.7	39.8	93	3	30	79-127	
Chlorobenzene	42.7	38.6	90	7	30	76-124	
cis-1,2-Dichloroethene	42.7	40.2	94	6	30	81-117	
Ethylbenzene	42.7	39.4	88	6	30	80-120	
Methyl tert-butyl ether	42.7	35.7	84	3	30	63-125	
Tetrachloroethene	42.7	35.5	83	8	30	74-122	
Toluene	42.7	37.2	86	6	30	74-128	
trans-1,2-Dichloroethene	42.7	39.7	93	2	30	78-126	
Trichloroethene	42.7	39.6	93	6	30	77-129	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab File ID: F3811.D Lab Sample ID: MB 480-30731/5
Matrix: Solid Heated Purge: (Y/N) N
Instrument ID: HP5973F Date Analyzed: 09/10/2011 14:33
GC Column: ZB-624 (60) ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-30731/4	F3810.D	09/10/2011 14:07
SB-C3 (5-8)	480-9503-1	F3814.D	09/10/2011 16:03
SB-C8 (3-4)	480-9503-3	F3816.D	09/10/2011 16:54
SB-C1 (5-8)	480-9503-4	F3817.D	09/10/2011 17:20
DUP-01	480-9503-5	F3818.D	09/10/2011 17:45
SB-B1 (5-9)	480-9503-6	F3819.D	09/10/2011 18:11
SB-B1 (5-9) MS	480-9503-6 MS	F3820.D	09/10/2011 18:36
SB-B1 (5-9) MSD	480-9503-6 MSD	F3821.D	09/10/2011 19:01
SB-B2 (3-4)	480-9503-7	F3822.D	09/10/2011 19:27
DUP-02	480-9503-8	F3823.D	09/10/2011 19:53

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab File ID: F3833.D Lab Sample ID: MB 480-30918/5
Matrix: Solid Heated Purge: (Y/N) N
Instrument ID: HP5973F Date Analyzed: 09/12/2011 20:24
GC Column: ZB-624 (60) ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-30918/4	F3832.D	09/12/2011 19:58
SB-C6 (5-6)	480-9503-2	F3834.D	09/12/2011 20:58

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab File ID: P4757.D Lab Sample ID: MB 480-29441/5
Matrix: Solid Heated Purge: (Y/N) N
Instrument ID: HP5973P Date Analyzed: 08/30/2011 13:25
GC Column: ZB-624 (60) ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-29441/4	P4756.D	08/30/2011 12:59
SB-B4 (5-8)	480-9072-1	P4772.D	08/30/2011 20:03
SB-B5 (5-9)	480-9072-2	P4773.D	08/30/2011 20:28
SB-B6 (5-9)	480-9072-3	P4774.D	08/30/2011 20:54

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab File ID: F3811A.D Lab Sample ID: MB 480-31837/5
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973F Date Analyzed: 09/10/2011 14:33
GC Column: ZB-624 (60) ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-31837/4	F3810A.D	09/10/2011 14:07
TRIP BLANK	480-9503-9	F3812.D	09/10/2011 15:12

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab File ID: F3627.D BFB Injection Date: 08/31/2011
Instrument ID: HP5973F BFB Injection Time: 14:02
Analysis Batch No.: 29632

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.6
75	30.0 - 60.0 % of mass 95	42.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.5
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	83.8
175	5.0 - 9.0 % of mass 174	6.4 (7.7) 1
176	95.0 - 101.0 % of mass 174	82.1 (97.9) 1
177	5.0 - 9.0 % of mass 176	5.6 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD7 480-29632/12	F3638.D	08/31/2011	18:44
	STD8 480-29632/13	F3639.D	08/31/2011	19:10
	STD9 480-29632/14	F3640.D	08/31/2011	19:35
	STD10 480-29632/15	F3641.D	08/31/2011	20:01
	STD11 480-29632/16	F3642.D	08/31/2011	20:26
	STD12 480-29632/17	F3643.D	08/31/2011	20:52

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Lab File ID: F3645.D BFB Injection Date: 09/01/2011
 Instrument ID: HP5973F BFB Injection Time: 12:36
 Analysis Batch No.: 29774

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.8
75	30.0 - 60.0 % of mass 95	44.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.6
173	Less than 2.0 % of mass 174	0.3 (0.3) 1
174	50.0 - 120.00 % of mass 95	83.9
175	5.0 - 9.0 % of mass 174	6.6 (7.9) 1
176	95.0 - 101.0 % of mass 174	82.0 (97.8) 1
177	5.0 - 9.0 % of mass 176	5.4 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD1 480-29774/3	F3647.D	09/01/2011	13:30
	STD2 480-29774/4	F3648.D	09/01/2011	13:56
	STD3 480-29774/5	F3649.D	09/01/2011	14:22
	STD4 480-29774/6	F3650.D	09/01/2011	14:47
	STD5 480-29774/7	F3651.D	09/01/2011	15:13
	STD6 480-29774/8	F3652.D	09/01/2011	15:38

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab File ID: F3807.D BFB Injection Date: 09/10/2011
Instrument ID: HP5973F BFB Injection Time: 12:39
Analysis Batch No.: 30731

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	20.2
75	30.0 - 60.0 % of mass 95	44.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.5
173	Less than 2.0 % of mass 174	0.3 (0.3) 1
174	50.0 - 120.00 % of mass 95	86.3
175	5.0 - 9.0 % of mass 174	6.3 (7.3) 1
176	95.0 - 101.0 % of mass 174	82.7 (95.8) 1
177	5.0 - 9.0 % of mass 176	5.3 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-30731/2	F3808.D	09/10/2011	13:06
	LCS 480-30731/4	F3810.D	09/10/2011	14:07
	MB 480-30731/5	F3811.D	09/10/2011	14:33
SB-C3 (5-8)	480-9503-1	F3814.D	09/10/2011	16:03
SB-C8 (3-4)	480-9503-3	F3816.D	09/10/2011	16:54
SB-C1 (5-8)	480-9503-4	F3817.D	09/10/2011	17:20
DUP-01	480-9503-5	F3818.D	09/10/2011	17:45
SB-B1 (5-9)	480-9503-6	F3819.D	09/10/2011	18:11
SB-B1 (5-9) MS	480-9503-6 MS	F3820.D	09/10/2011	18:36
SB-B1 (5-9) MSD	480-9503-6 MSD	F3821.D	09/10/2011	19:01
SB-B2 (3-4)	480-9503-7	F3822.D	09/10/2011	19:27
DUP-02	480-9503-8	F3823.D	09/10/2011	19:53

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab File ID: F3807A.D BFB Injection Date: 09/10/2011
Instrument ID: HP5973F BFB Injection Time: 12:39
Analysis Batch No.: 31837

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	20.2
75	30.0 - 60.0 % of mass 95	44.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.5
173	Less than 2.0 % of mass 174	0.3 (0.3) 1
174	50.0 - 120.00 % of mass 95	86.3
175	5.0 - 9.0 % of mass 174	6.3 (7.3) 1
176	95.0 - 101.0 % of mass 174	82.7 (95.8) 1
177	5.0 - 9.0 % of mass 176	5.3 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-31837/2	F3808A.D	09/10/2011	13:06
	LCS 480-31837/4	F3810A.D	09/10/2011	14:07
	MB 480-31837/5	F3811A.D	09/10/2011	14:33
TRIP BLANK	480-9503-9	F3812.D	09/10/2011	15:12

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab File ID: F3829.D BFB Injection Date: 09/12/2011
Instrument ID: HP5973F BFB Injection Time: 18:21
Analysis Batch No.: 30918

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	20.6
75	30.0 - 60.0 % of mass 95	43.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.1
173	Less than 2.0 % of mass 174	0.3 (0.4) 1
174	50.0 - 120.00 % of mass 95	84.4
175	5.0 - 9.0 % of mass 174	6.2 (7.4) 1
176	95.0 - 101.0 % of mass 174	81.8 (96.9) 1
177	5.0 - 9.0 % of mass 176	5.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-30918/2	F3830.D	09/12/2011	18:59
	CCV 480-30918/3	F3831.D	09/12/2011	19:33
	LCS 480-30918/4	F3832.D	09/12/2011	19:58
	MB 480-30918/5	F3833.D	09/12/2011	20:24
SB-C6 (5-6)	480-9503-2	F3834.D	09/12/2011	20:58

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab File ID: P4549.D BFB Injection Date: 08/18/2011
Instrument ID: HP5973P BFB Injection Time: 14:32
Analysis Batch No.: 27944

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	21.8
75	30.0 - 60.0 % of mass 95	47.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.2
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	91.0
175	5.0 - 9.0 % of mass 174	6.3 (6.9) 1
176	95.0 - 101.0 % of mass 174	86.9 (95.5) 1
177	5.0 - 9.0 % of mass 176	6.0 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD1 480-27944/4	P4551.D	08/18/2011	15:26
	STD2 480-27944/5	P4552.D	08/18/2011	15:51
	STD3 480-27944/6	P4553.D	08/18/2011	16:16
	STD4 480-27944/7	P4554.D	08/18/2011	16:42
	STD5 480-27944/8	P4555.D	08/18/2011	17:07
	STD6 480-27944/9	P4556.D	08/18/2011	17:33
	STD7 480-27944/13	P4560.D	08/18/2011	19:15
	STD8 480-27944/14	P4561.D	08/18/2011	19:41
	STD9 480-27944/15	P4562.D	08/18/2011	20:06
	STD10 480-27944/16	P4563.D	08/18/2011	20:32
	STD11 480-27944/17	P4564.D	08/18/2011	20:57
	STD12 480-27944/18	P4565.D	08/18/2011	21:23

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Lab File ID: P4753.D BFB Injection Date: 08/30/2011
 Instrument ID: HP5973P BFB Injection Time: 11:28
 Analysis Batch No.: 29441

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.7
75	30.0 - 60.0 % of mass 95	44.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.5
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	104.3
175	5.0 - 9.0 % of mass 174	7.5 (7.2) 1
176	95.0 - 101.0 % of mass 174	102.4 (98.2) 1
177	5.0 - 9.0 % of mass 176	6.3 (6.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-29441/2	P4754.D	08/30/2011	11:55
	CCV 480-29441/3	P4755.D	08/30/2011	12:34
	LCS 480-29441/4	P4756.D	08/30/2011	12:59
	MB 480-29441/5	P4757.D	08/30/2011	13:25
SB-B4 (5-8)	480-9072-1	P4772.D	08/30/2011	20:03
SB-B5 (5-9)	480-9072-2	P4773.D	08/30/2011	20:28
SB-B6 (5-9)	480-9072-3	P4774.D	08/30/2011	20:54

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Sample No.: STD4 480-29774/6 Date Analyzed: 09/01/2011 14:47
 Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): F3650.D Heated Purge: (Y/N) N
 Calibration ID: 3805

	DFB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	499896	5.74	231818	8.52	257664	10.82	
UPPER LIMIT	999792	6.24	463636	9.02	515328	11.32	
LOWER LIMIT	249948	5.24	115909	8.02	128832	10.32	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-30731/2		556640	5.74	260465	8.52	281613	10.82
CCVIS 480-31837/2		556640	5.74	260465	8.52	281613	10.82
CCVIS 480-30918/2		567946	5.74	273676	8.52	303237	10.82

DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Sample No.: CCVIS 480-30731/2 Date Analyzed: 09/10/2011 13:06
 Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): F3808.D Heated Purge: (Y/N) N
 Calibration ID: 3805

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		556640	5.74	260465	8.52	281613	10.82
UPPER LIMIT		1113280	6.24	520930	9.02	563226	11.32
LOWER LIMIT		278320	5.24	130233	8.02	140807	10.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-30731/4		521258	5.74	243146	8.52	261049	10.82
MB 480-30731/5		514482	5.74	240211	8.52	252668	10.81
480-9503-1	SB-C3 (5-8)	504880	5.74	234775	8.52	224861	10.82
480-9503-3	SB-C8 (3-4)	502926	5.74	235221	8.52	248288	10.82
480-9503-4	SB-C1 (5-8)	493016	5.74	225632	8.52	223929	10.82
480-9503-5	DUP-01	495161	5.74	231322	8.52	233298	10.82
480-9503-6	SB-B1 (5-9)	495206	5.74	241443	8.52	256907	10.82
480-9503-6 MS	SB-B1 (5-9) MS	544233	5.74	264498	8.52	289750	10.82
480-9503-6 MSD	SB-B1 (5-9) MSD	551904	5.74	257020	8.52	281149	10.82
480-9503-7	SB-B2 (3-4)	551935	5.74	261164	8.52	283236	10.82
480-9503-8	DUP-02	531689	5.74	246625	8.52	257949	10.82

DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Sample No.: CCVIS 480-31837/2 Date Analyzed: 09/10/2011 13:06
 Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): F3808A.D Heated Purge: (Y/N) N
 Calibration ID: 3805

		DFB		CBZ		DCB		
		AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD		556640	5.74	260465	8.52	281613	10.82	
UPPER LIMIT		1113280	6.24	520930	9.02	563226	11.32	
LOWER LIMIT		278320	5.24	130233	8.02	140807	10.32	
LAB SAMPLE ID		CLIENT SAMPLE ID						
LCS 480-31837/4		521258	5.74	243146	8.52	261049	10.82	
MB 480-31837/5		514482	5.74	240211	8.52	252668	10.81	
480-9503-9		TRIP BLANK	510209	5.74	239702	8.52	256821	10.82

DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Sample No.: CCVIS 480-30918/2 Date Analyzed: 09/12/2011 18:59
Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm)
Lab File ID (Standard): F3830.D Heated Purge: (Y/N) N
Calibration ID: 3805

	DFB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	567946	5.74	273676	8.52	303237	10.82	
UPPER LIMIT	1135892	6.24	547352	9.02	606474	11.32	
LOWER LIMIT	283973	5.24	136838	8.02	151619	10.32	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-30918/3		561974	5.74	266712	8.52	293349	10.82
LCS 480-30918/4		527764	5.74	251724	8.52	276602	10.82
MB 480-30918/5		518177	5.74	248741	8.52	264018	10.82
480-9503-2	SB-C6 (5-6)	519072	5.74	250870	8.52	269038	10.82

DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Sample No.: STD4 480-27944/7 Date Analyzed: 08/18/2011 16:42
Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm)
Lab File ID (Standard): P4554.D Heated Purge: (Y/N) N
Calibration ID: 3702

	DFB		CBZ		DCB	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	669046	8.07	305166	11.84	340159	14.98
UPPER LIMIT	1338092	8.57	610332	12.34	680318	15.48
LOWER LIMIT	334523	7.57	152583	11.34	170080	14.48
LAB SAMPLE ID	CLIENT SAMPLE ID					
CCVIS 480-29441/2		700072	8.07	314228	11.84	393104 14.98

DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Sample No.: CCVIS 480-29441/2 Date Analyzed: 08/30/2011 11:55
 Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): P4754.D Heated Purge: (Y/N) N
 Calibration ID: 3703

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		700072	8.07	314228	11.84	393104	14.98
UPPER LIMIT		1400144	8.57	628456	12.34	786208	15.48
LOWER LIMIT		350036	7.57	157114	11.34	196552	14.48
LAB SAMPLE ID		CLIENT SAMPLE ID					
CCV 480-29441/3		676886	8.07	305312	11.84	358126	14.98
LCS 480-29441/4		625961	8.07	286663	11.84	337583	14.98
MB 480-29441/5		620303	8.07	277649	11.84	286613	14.98
480-9072-1	SB-B4 (5-8)	642718	8.07	288328	11.84	300052	14.98
480-9072-2	SB-B5 (5-9)	618297	8.07	289658	11.84	346100	14.98
480-9072-3	SB-B6 (5-9)	629522	8.07	297445	11.84	345778	14.98

DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: SB-B4 (5-8) Lab Sample ID: 480-9072-1
 Matrix: Solid Lab File ID: P4772.D
 Analysis Method: 8260B Date Collected: 08/25/2011 08:30
 Sample wt/vol: 5.961(g) Date Analyzed: 08/30/2011 20:03
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: 7.4 Level: (low/med) Low
 Analysis Batch No.: 29441 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.5	0.33
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.5	0.73
79-00-5	1,1,2-Trichloroethane	ND		4.5	0.59
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.5	1.0
75-34-3	1,1-Dichloroethane	ND		4.5	0.55
75-35-4	1,1-Dichloroethene	ND		4.5	0.55
120-82-1	1,2,4-Trichlorobenzene	ND		4.5	0.28
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.5	2.3
106-93-4	1,2-Dibromoethane	ND		4.5	0.58
95-50-1	1,2-Dichlorobenzene	ND		4.5	0.35
107-06-2	1,2-Dichloroethane	ND		4.5	0.23
78-87-5	1,2-Dichloropropane	ND		4.5	2.3
541-73-1	1,3-Dichlorobenzene	ND		4.5	0.23
106-46-7	1,4-Dichlorobenzene	ND		4.5	0.63
591-78-6	2-Hexanone	ND		23	2.3
78-93-3	2-Butanone (MEK)	ND		23	1.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		23	1.5
67-64-1	Acetone	ND		23	3.8
71-43-2	Benzene	ND		4.5	0.22
75-27-4	Bromodichloromethane	ND		4.5	0.61
75-25-2	Bromoform	ND		4.5	2.3
74-83-9	Bromomethane	ND		4.5	0.41
75-15-0	Carbon disulfide	ND		4.5	2.3
56-23-5	Carbon tetrachloride	ND		4.5	0.44
108-90-7	Chlorobenzene	ND		4.5	0.60
124-48-1	Dibromochloromethane	ND		4.5	0.58
75-00-3	Chloroethane	ND		4.5	1.0
67-66-3	Chloroform	ND		4.5	0.28
74-87-3	Chloromethane	ND		4.5	0.27
156-59-2	cis-1,2-Dichloroethene	ND		4.5	0.58
10061-01-5	cis-1,3-Dichloropropene	ND		4.5	0.65
110-82-7	Cyclohexane	ND		4.5	0.63
75-71-8	Dichlorodifluoromethane	ND		4.5	0.37
100-41-4	Ethylbenzene	ND		4.5	0.31
98-82-8	Isopropylbenzene	ND		4.5	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: SB-B4 (5-8) Lab Sample ID: 480-9072-1
 Matrix: Solid Lab File ID: P4772.D
 Analysis Method: 8260B Date Collected: 08/25/2011 08:30
 Sample wt/vol: 5.961(g) Date Analyzed: 08/30/2011 20:03
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: 7.4 Level: (low/med) Low
 Analysis Batch No.: 29441 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.5	0.84
1634-04-4	Methyl tert-butyl ether	ND		4.5	0.44
108-87-2	Methylcyclohexane	ND		4.5	0.69
75-09-2	Methylene Chloride	ND		4.5	2.1
100-42-5	Styrene	ND		4.5	0.23
127-18-4	Tetrachloroethene	ND		4.5	0.61
108-88-3	Toluene	ND		4.5	0.34
156-60-5	trans-1,2-Dichloroethene	ND		4.5	0.47
10061-02-6	trans-1,3-Dichloropropene	ND		4.5	2.0
79-01-6	Trichloroethene	ND		4.5	1.0
75-69-4	Trichlorofluoromethane	ND		4.5	0.43
75-01-4	Vinyl chloride	ND		4.5	0.55
1330-20-7	Xylenes, Total	ND		9.1	0.76

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		64-126
2037-26-5	Toluene-d8 (Surr)	97		71-125
460-00-4	4-Bromofluorobenzene (Surr)	96		72-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: SB-B4 (5-8) Lab Sample ID: 480-9072-1
Matrix: Solid Lab File ID: P4772.D
Analysis Method: 8260B Date Collected: 08/25/2011 08:30
Sample wt/vol: 5.961(g) Date Analyzed: 08/30/2011 20:03
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: 7.4 Level: (low/med) Low
Analysis Batch No.: 29441 Units: ug/Kg
Number TICs Found: 2 TIC Result Total: 19.8

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	13.40	18	T J
91-20-3	Naphthalene	17.75	1.8	J B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4772.D
 Lims ID: 480-9072-A-1-A Client ID: SB-B4 (5-8)
 Inject. Date: 30-Aug-2011 20:03:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-9072-A-1-A
 Misc. Info.: 480-0005649-020 =480-0005649-020
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 20
 Lims Batch ID: 29441 Lims Sample ID: 20
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P-8260 Soil.m
 Last Update: 30-Aug-2011 13:40:26 Calib Date: 18-Aug-2011 21:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4565.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 31-Aug-2011 12:23:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.066	8.066	0.0	94	642718	50.0	
* 2 Chlorobenzene-d5	82	11.838	11.838	0.0	83	288328	50.0	
* 3 1,4-Dichlorobenzene-d4	152	14.983	14.983	0.0	92	300052	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.628	7.628	0.0	98	128173	43.1	
\$ 5 Toluene-d8 (Surr)	98	9.891	9.891	0.0	92	800050	48.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.450	13.450	0.0	96	313892	47.8	
10 Dichlorodifluoromethane	85		2.816					
11 Chloromethane	50		3.029					
17 Vinyl chloride	62		3.199					
12 Bromomethane	94		3.631					
13 Chloroethane	64		3.741					
14 Trichlorofluoromethane	101		4.045					
16 1,1,2-Trichloro-1,2,2-trifluoroethane	101		4.647					
25 1,1-Dichloroethene	96		4.684					
24 Acetone	43		4.769					
27 Carbon disulfide	76		4.994					
30 Methyl acetate	43		5.097					
31 Methylene Chloride	84		5.262					
32 Methyl tert-butyl ether	73		5.499					
35 trans-1,2-Dichloroethene	96		5.542					
40 1,1-Dichloroethane	63		6.028					
44 2-Butanone (MEK)	43		6.667					
43 cis-1,2-Dichloroethene	96		6.685					
49 Chloroform	83		7.038					
52 1,1,1-Trichloroethane	97		7.245					
54 Cyclohexane	56		7.288					
55 Carbon tetrachloride	117		7.428					
57 Benzene	78		7.677					
60 1,2-Dichloroethane	62		7.720					
62 Trichloroethene	95		8.407					
64 Methylcyclohexane	83		8.614					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		8.711					
70 Dichlorobromomethane	83		9.052					
73 cis-1,3-Dichloropropene	75		9.569					
75 4-Methyl-2-pentanone (MIBK)	43		9.709					
76 Toluene	92		9.977					
78 trans-1,3-Dichloropropene	75		10.275					
79 1,1,2-Trichloroethane	83		10.542					
80 Tetrachloroethene	166	10.694	10.688	0.006	40	2604	0.4843	
83 2-Hexanone	43		10.786					
81 Chlorodibromomethane	129		11.096					
85 Ethylene Dibromide	107		11.266					
87 Chlorobenzene	112		11.881					
89 Ethylbenzene	91		11.972					
90 m-Xylene & p-Xylene	106		12.124					
93 o-Xylene	106		12.696					
94 Styrene	104		12.726					
92 Bromoform	173		13.079					
95 Isopropylbenzene	105		13.176					
97 1,1,2,2-Tetrachloroethane	83		13.663					
110 1,3-Dichlorobenzene	146		14.904					
111 1,4-Dichlorobenzene	146		15.014					
116 1,2-Dichlorobenzene	146		15.506					
117 1,2-Dibromo-3-Chloropropane	75		16.492					
119 1,2,4-Trichlorobenzene	180		17.435					
S 126 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4772.D
Lims ID: 480-9072-A-1-A Client ID: SB-B4 (5-8)
Inject. Date: 30-Aug-2011 20:03:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-9072-A-1-A
Misc. Info.: 480-0005649-020 =480-0005649-020
Operator: PJQ Instrument ID: HP5973P
Vol. Injected: 1.0000 ALS Bottle#: 20
Lims Batch ID: 29441 Lims Sample ID: 20
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P-8260 Soil.m
Last Update: 30-Aug-2011 13:40:26 Calib Date: 18-Aug-2011 21:23:30
Tic RT Window: 1.500 -0.000 Response: area
Quant By: Nearest ISTD Quant LOD: 10.00000
MS Library: \\Bufchrom\ChromData\Database\NIST98.L
Min. Match: 85
Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 31-Aug-2011 12:23:39

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/L	Flags
Hexane	5.754	11379	1.73	
Naphthalene	17.751	31490	1.96	

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
Unknown						
13.395	632448	19.5	2			

Quantitation Compounds

Compound	RT	Response	Amount ug/L
* 2 Chlorobenzene-d5	11.838	1623310	50.0

QC Flag Legend

Processing Flags

Report Date: 31-Aug-2011 12:23:40

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4772.D

Injection Date: 30-Aug-2011 20:03:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B4 (5-8)

Instrument ID: HP5973P

Lims Batch ID: 29441

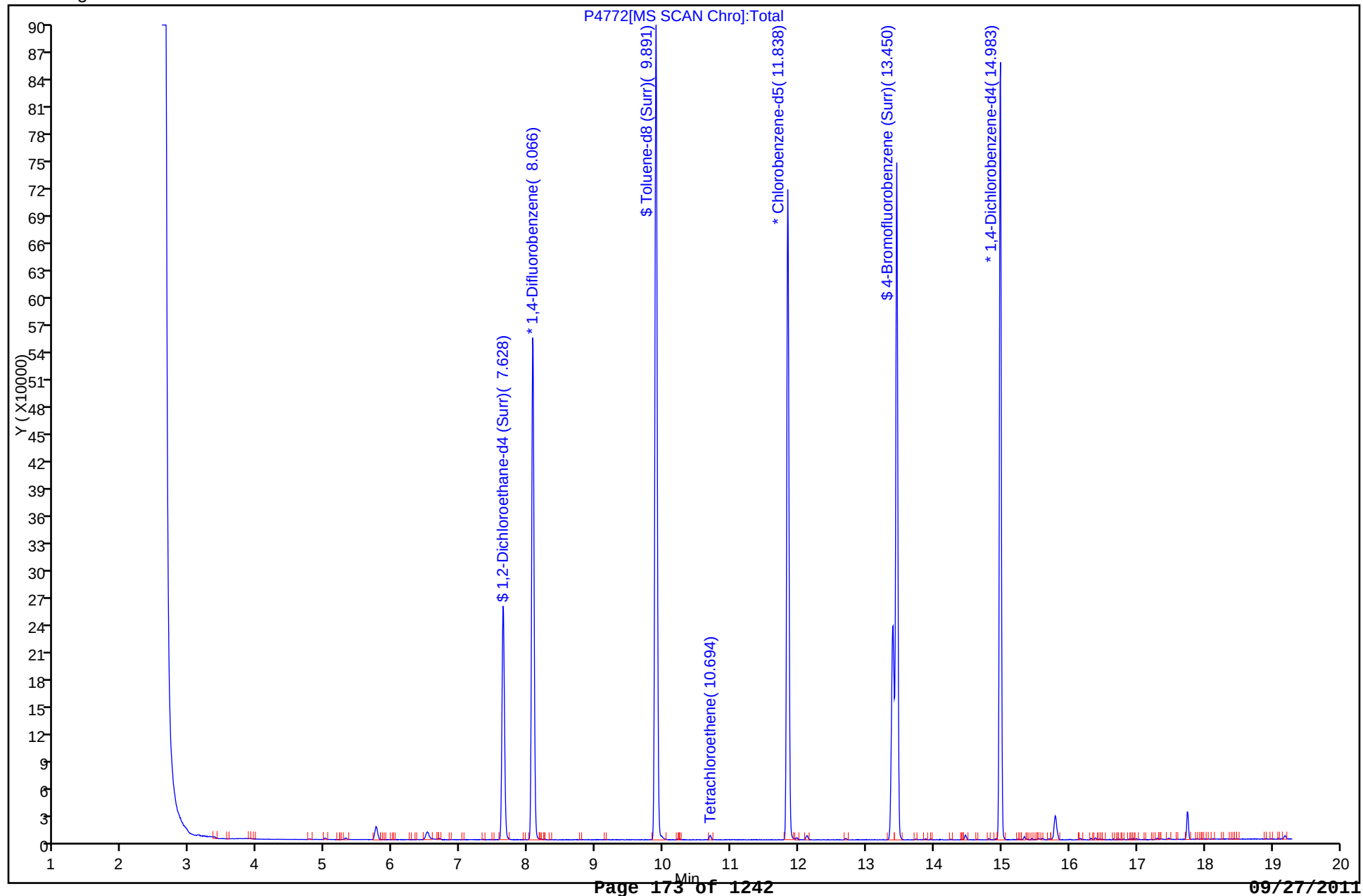
Lims Sample ID: 20

Operator ID: PJJ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 31-Aug-2011 12:23:40

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4772.D

Injection Date: 30-Aug-2011 20:03:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B4 (5-8)

Instrument ID: HP5973P

Lims Batch ID: 29441

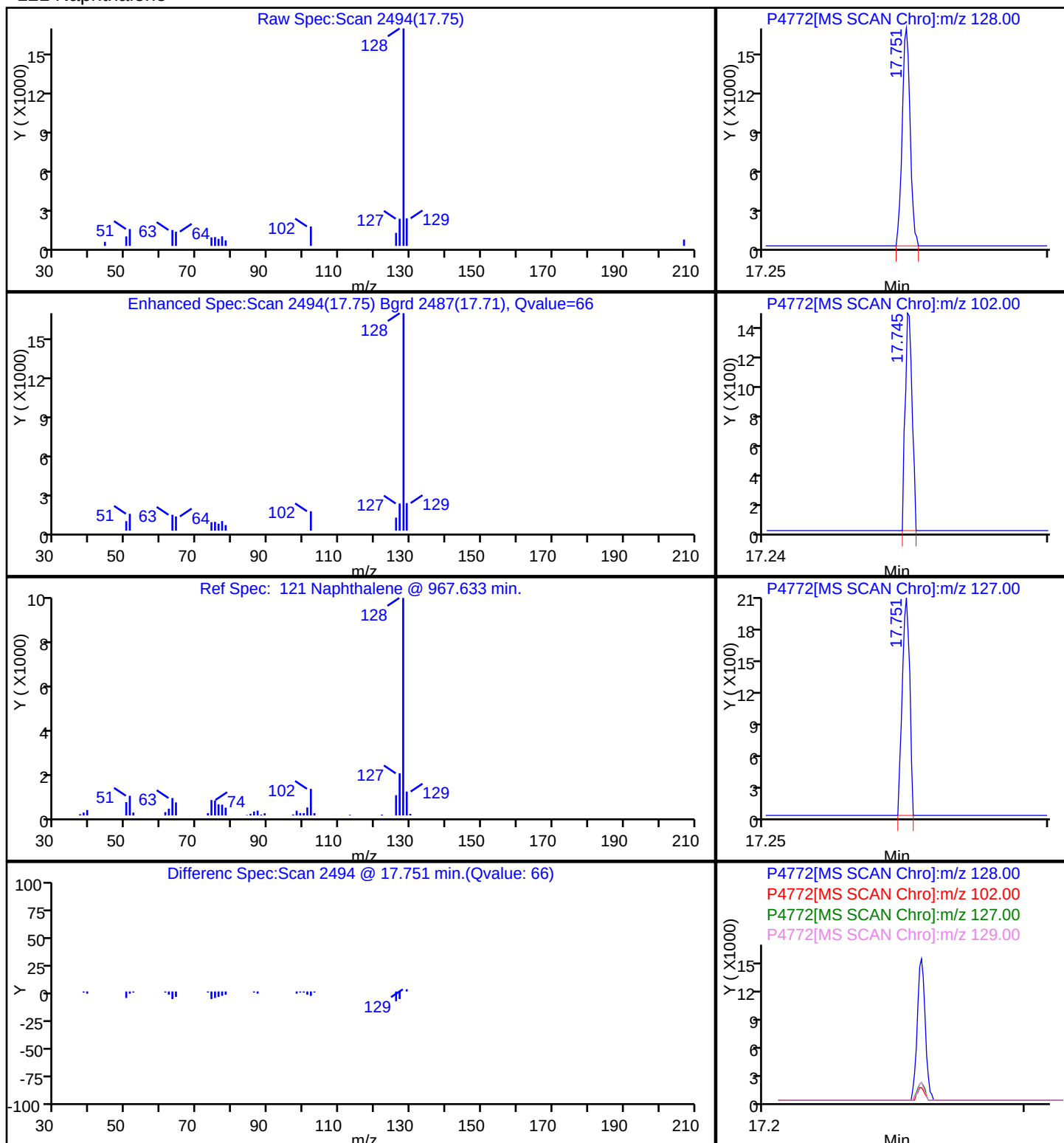
Lims Sample ID: 20

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

121 Naphthalene



Report Date: 31-Aug-2011 12:23:40

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4772.D

Injection Date: 30-Aug-2011 20:03:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B4 (5-8)

Instrument ID: HP5973P

Lims Batch ID: 29441

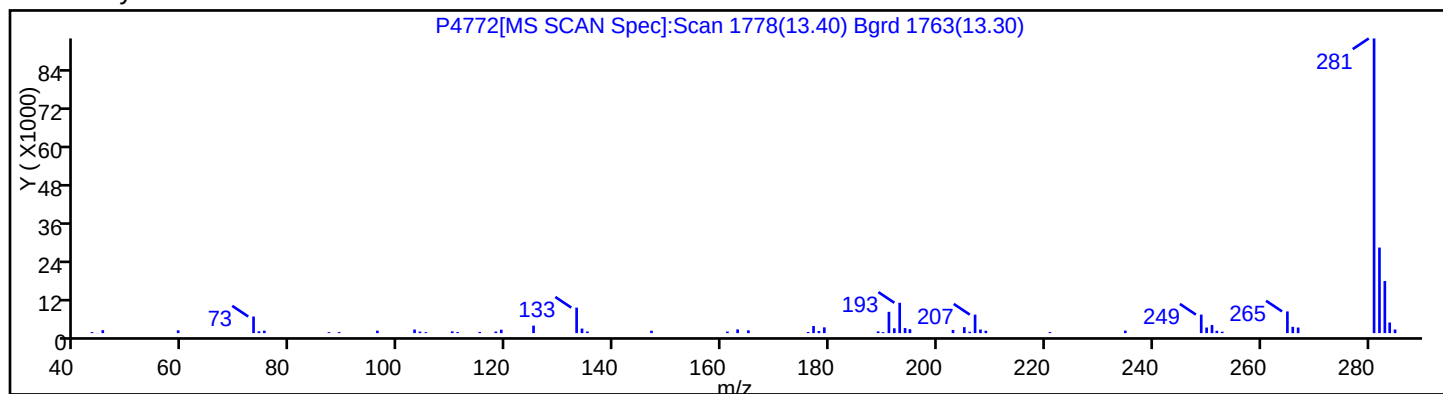
Lims Sample ID: 20

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Client Sample ID: SB-B5 (5-9) Lab Sample ID: 480-9072-2

Matrix: Solid Lab File ID: P4773.D

Analysis Method: 8260B Date Collected: 08/25/2011 09:45

Sample wt/vol: 5.814(g) Date Analyzed: 08/30/2011 20:28

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: 11.6 Level: (low/med) Low

Analysis Batch No.: 29441 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.9	0.35
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.9	0.79
79-00-5	1,1,2-Trichloroethane	ND		4.9	0.63
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1
75-34-3	1,1-Dichloroethane	ND		4.9	0.59
75-35-4	1,1-Dichloroethene	ND		4.9	0.60
120-82-1	1,2,4-Trichlorobenzene	ND		4.9	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.9	2.4
106-93-4	1,2-Dibromoethane	ND		4.9	0.62
95-50-1	1,2-Dichlorobenzene	ND		4.9	0.38
107-06-2	1,2-Dichloroethane	ND		4.9	0.24
78-87-5	1,2-Dichloropropane	ND		4.9	2.4
541-73-1	1,3-Dichlorobenzene	ND		4.9	0.25
106-46-7	1,4-Dichlorobenzene	ND		4.9	0.68
591-78-6	2-Hexanone	ND		24	2.4
78-93-3	2-Butanone (MEK)	ND		24	1.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		24	1.6
67-64-1	Acetone	ND		24	4.1
71-43-2	Benzene	ND		4.9	0.24
75-27-4	Bromodichloromethane	ND		4.9	0.65
75-25-2	Bromoform	ND		4.9	2.4
74-83-9	Bromomethane	ND		4.9	0.44
75-15-0	Carbon disulfide	ND		4.9	2.4
56-23-5	Carbon tetrachloride	ND		4.9	0.47
108-90-7	Chlorobenzene	ND		4.9	0.64
124-48-1	Dibromochloromethane	ND		4.9	0.62
75-00-3	Chloroethane	ND		4.9	1.1
67-66-3	Chloroform	ND		4.9	0.30
74-87-3	Chloromethane	ND		4.9	0.29
156-59-2	cis-1,2-Dichloroethene	ND		4.9	0.62
10061-01-5	cis-1,3-Dichloropropene	ND		4.9	0.70
110-82-7	Cyclohexane	ND		4.9	0.68
75-71-8	Dichlorodifluoromethane	ND		4.9	0.40
100-41-4	Ethylbenzene	ND		4.9	0.34
98-82-8	Isopropylbenzene	ND		4.9	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: SB-B5 (5-9) Lab Sample ID: 480-9072-2
 Matrix: Solid Lab File ID: P4773.D
 Analysis Method: 8260B Date Collected: 08/25/2011 09:45
 Sample wt/vol: 5.814(g) Date Analyzed: 08/30/2011 20:28
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: 11.6 Level: (low/med) Low
 Analysis Batch No.: 29441 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.9	0.90
1634-04-4	Methyl tert-butyl ether	ND		4.9	0.48
108-87-2	Methylcyclohexane	ND		4.9	0.74
75-09-2	Methylene Chloride	ND		4.9	2.2
100-42-5	Styrene	ND		4.9	0.24
127-18-4	Tetrachloroethene	ND		4.9	0.65
108-88-3	Toluene	ND		4.9	0.37
156-60-5	trans-1,2-Dichloroethene	ND		4.9	0.50
10061-02-6	trans-1,3-Dichloropropene	ND		4.9	2.1
79-01-6	Trichloroethene	ND		4.9	1.1
75-69-4	Trichlorofluoromethane	ND		4.9	0.46
75-01-4	Vinyl chloride	ND		4.9	0.59
1330-20-7	Xylenes, Total	ND		9.7	0.82

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		64-126
2037-26-5	Toluene-d8 (Surr)	95		71-125
460-00-4	4-Bromofluorobenzene (Surr)	98		72-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: SB-B5 (5-9) Lab Sample ID: 480-9072-2
Matrix: Solid Lab File ID: P4773.D
Analysis Method: 8260B Date Collected: 08/25/2011 09:45
Sample wt/vol: 5.814(g) Date Analyzed: 08/30/2011 20:28
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: 11.6 Level: (low/med) Low
Analysis Batch No.: 29441 Units: ug/Kg
Number TICs Found: 2 TIC Result Total: 38.1

CAS NO.	COMPOUND NAME	RT	RESULT	Q
556-67-2	Cyclotetrasiloxane, octamethyl-	13.39	36	T J N
91-20-3	Naphthalene	17.75	2.1	J B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4773.D
 Lims ID: 480-9072-A-2-A Client ID: SB-B5 (5-9)
 Inject. Date: 30-Aug-2011 20:28:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-9072-A-2-A
 Misc. Info.: 480-0005649-021 =480-0005649-021
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 21
 Lims Batch ID: 29441 Lims Sample ID: 21
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P-8260 Soil.m
 Last Update: 30-Aug-2011 13:40:26 Calib Date: 18-Aug-2011 21:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4565.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 31-Aug-2011 12:24:06

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.066	8.066	0.0	94	618297	50.0	
* 2 Chlorobenzene-d5	82	11.838	11.838	0.0	82	289658	50.0	
* 3 1,4-Dichlorobenzene-d4	152	14.983	14.983	0.0	92	346100	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.628	7.628	0.0	99	126475	44.2	
\$ 5 Toluene-d8 (Surr)	98	9.891	9.891	0.0	91	788769	47.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.450	13.450	0.0	94	324978	49.2	
10 Dichlorodifluoromethane	85		2.816					
11 Chloromethane	50		3.029					
17 Vinyl chloride	62		3.199					
12 Bromomethane	94		3.631					
13 Chloroethane	64		3.741					
14 Trichlorofluoromethane	101		4.045					
16 1,1,2-Trichloro-1,2,2-trifluoroethane	101		4.647					
25 1,1-Dichloroethene	96		4.684					
24 Acetone	43		4.769					
27 Carbon disulfide	76		4.994					
30 Methyl acetate	43		5.097					
31 Methylene Chloride	84		5.262					
32 Methyl tert-butyl ether	73		5.499					
35 trans-1,2-Dichloroethene	96		5.542					
40 1,1-Dichloroethane	63		6.028					
44 2-Butanone (MEK)	43		6.667					
43 cis-1,2-Dichloroethene	96		6.685					
49 Chloroform	83		7.038					
52 1,1,1-Trichloroethane	97		7.245					
54 Cyclohexane	56		7.288					
55 Carbon tetrachloride	117		7.428					
57 Benzene	78		7.677					
60 1,2-Dichloroethane	62		7.720					
62 Trichloroethene	95		8.407					
64 Methylcyclohexane	83		8.614					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		8.711					
70 Dichlorobromomethane	83		9.052					
73 cis-1,3-Dichloropropene	75		9.569					
75 4-Methyl-2-pentanone (MIBK)	43		9.709					
76 Toluene	92		9.977					
78 trans-1,3-Dichloropropene	75		10.275					
79 1,1,2-Trichloroethane	83		10.542					
80 Tetrachloroethene	166		10.688					
83 2-Hexanone	43		10.786					
81 Chlorodibromomethane	129		11.096					
85 Ethylene Dibromide	107		11.266					
87 Chlorobenzene	112		11.881					
89 Ethylbenzene	91		11.972					
90 m-Xylene & p-Xylene	106		12.124					
93 o-Xylene	106		12.696					
94 Styrene	104		12.726					
92 Bromoform	173		13.079					
95 Isopropylbenzene	105		13.176					
97 1,1,2,2-Tetrachloroethane	83		13.663					
110 1,3-Dichlorobenzene	146		14.904					
111 1,4-Dichlorobenzene	146		15.014					
116 1,2-Dichlorobenzene	146		15.506					
117 1,2-Dibromo-3-Chloropropane	75		16.492					
119 1,2,4-Trichlorobenzene	180		17.435					
S 126 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4773.D
Lims ID: 480-9072-A-2-A Client ID: SB-B5 (5-9)
Inject. Date: 30-Aug-2011 20:28:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-9072-A-2-A
Misc. Info.: 480-0005649-021 =480-0005649-021
Operator: PJQ Instrument ID: HP5973P
Vol. Injected: 1.0000 ALS Bottle#: 21
Lims Batch ID: 29441 Lims Sample ID: 21
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P-8260 Soil.m
Last Update: 30-Aug-2011 13:40:26 Calib Date: 18-Aug-2011 21:23:30
Tic RT Window: 1.500 -0.000 Response: area
Quant By: Nearest ISTD Quant LOD: 10.00000
MS Library: \\Bufchrom\ChromData\Database\NIST98.L
Min. Match: 85
Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 31-Aug-2011 12:24:06

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/L	Flags
Hexane	5.749	16564	2.62	
Naphthalene	17.751	33638	2.18	

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
13.390	1208837	36.9	2	91	556-67-2 Cyclotetrasiloxane, octamethyl-	128142

Quantitation Compounds

Compound	RT	Response	Amount ug/L
* 2 Chlorobenzene-d5	11.838	1637717	50.0

QC Flag Legend

Processing Flags

Report Date: 31-Aug-2011 12:24:07

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4773.D

Injection Date: 30-Aug-2011 20:28:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B5 (5-9)

Instrument ID: HP5973P

Lims Batch ID: 29441

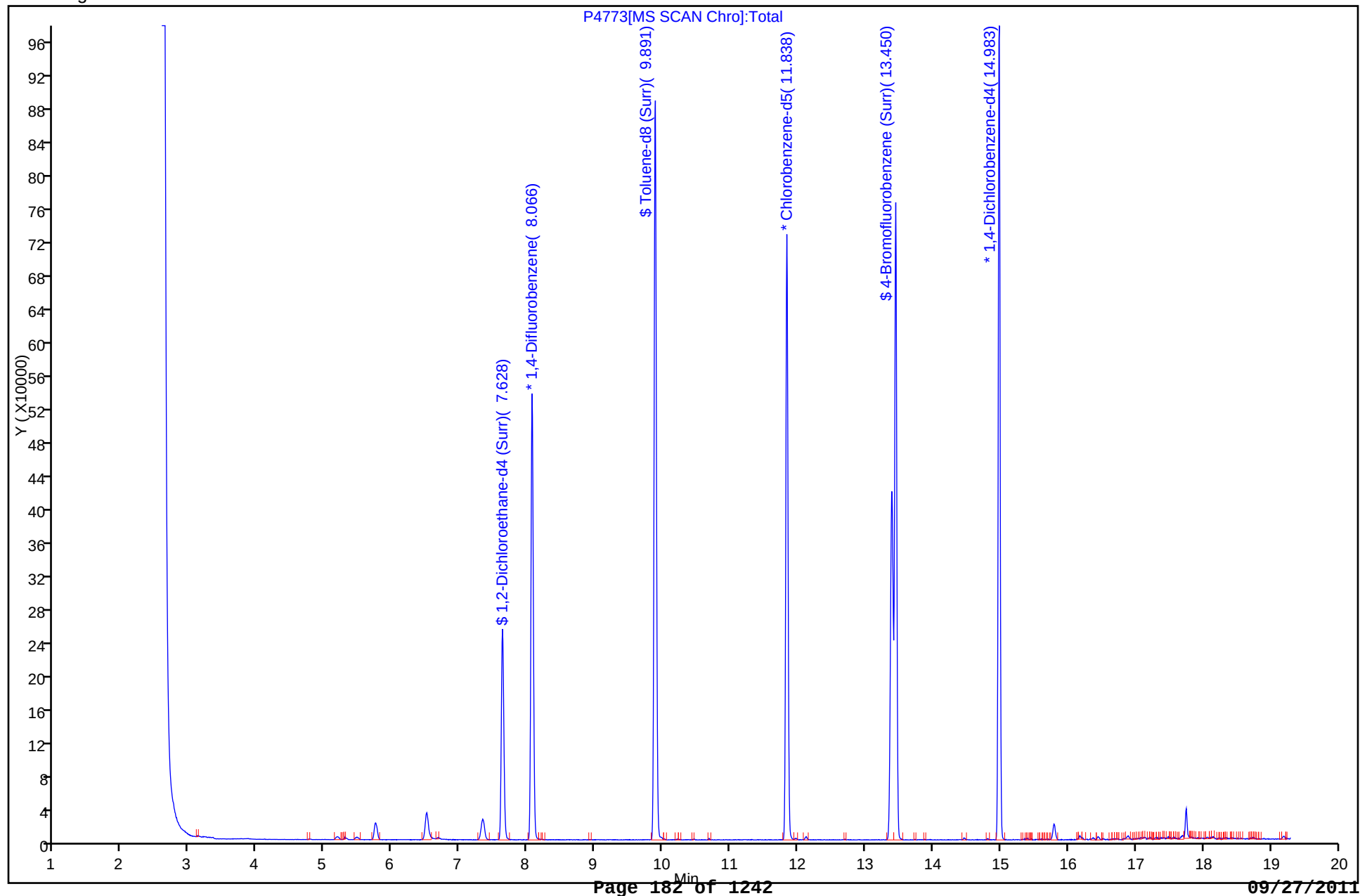
Lims Sample ID: 21

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 31-Aug-2011 12:24:07

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4773.D

Injection Date: 30-Aug-2011 20:28:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B5 (5-9)

Instrument ID: HP5973P

Lims Batch ID: 29441

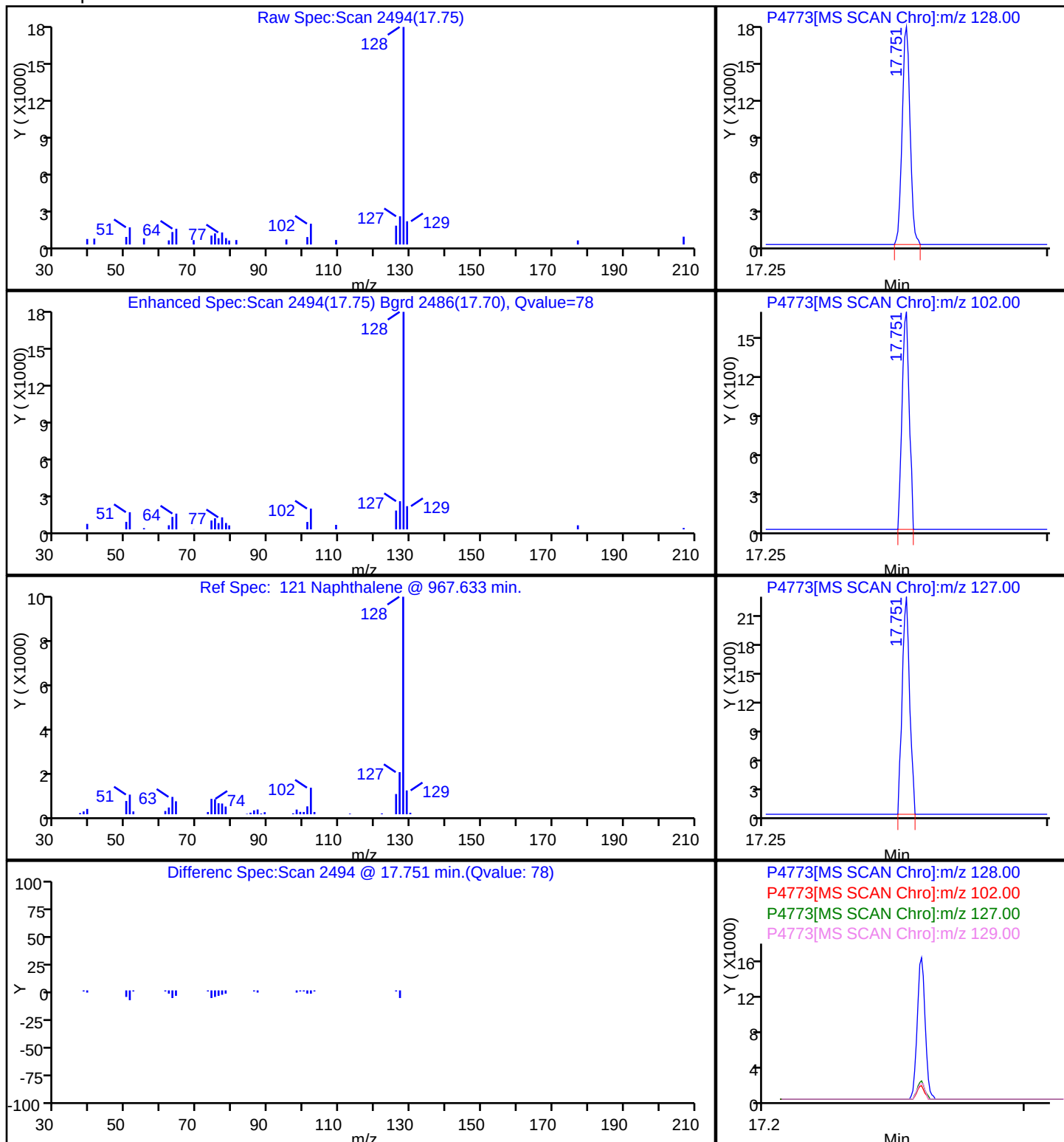
Lims Sample ID: 21

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

121 Naphthalene



Report Date: 31-Aug-2011 12:24:07

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4773.D

Injection Date: 30-Aug-2011 20:28:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B5 (5-9)

Instrument ID: HP5973P

Lims Batch ID: 29441

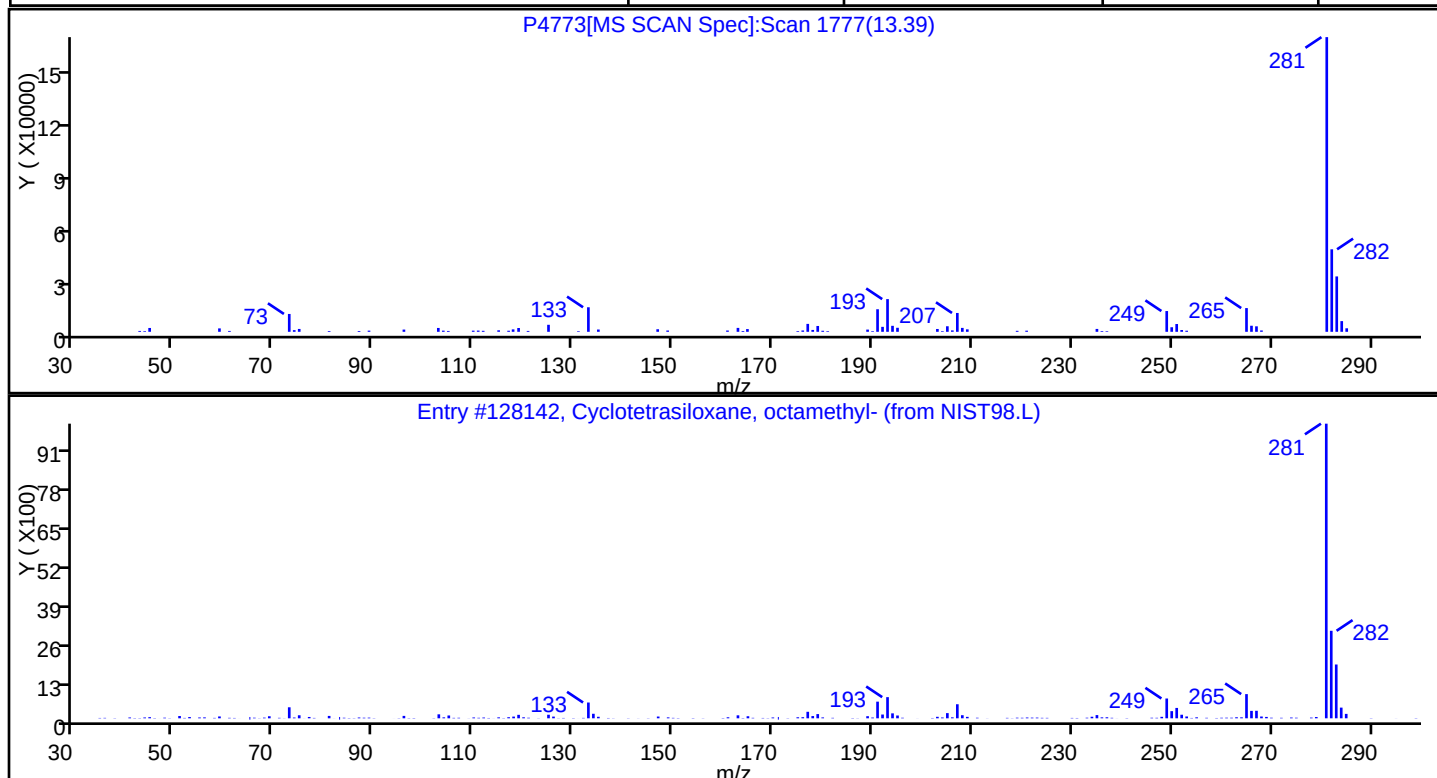
Lims Sample ID: 21

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST98.L	128142	91



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Client Sample ID: SB-B6 (5-9) Lab Sample ID: 480-9072-3

Matrix: Solid Lab File ID: P4774.D

Analysis Method: 8260B Date Collected: 08/25/2011 14:15

Sample wt/vol: 6.733(g) Date Analyzed: 08/30/2011 20:54

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: 17.7 Level: (low/med) Low

Analysis Batch No.: 29441 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.5	0.33
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.5	0.73
79-00-5	1,1,2-Trichloroethane	ND		4.5	0.59
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.5	1.0
75-34-3	1,1-Dichloroethane	ND		4.5	0.55
75-35-4	1,1-Dichloroethene	ND		4.5	0.55
120-82-1	1,2,4-Trichlorobenzene	ND		4.5	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.5	2.3
106-93-4	1,2-Dibromoethane	ND		4.5	0.58
95-50-1	1,2-Dichlorobenzene	ND		4.5	0.35
107-06-2	1,2-Dichloroethane	ND		4.5	0.23
78-87-5	1,2-Dichloropropane	ND		4.5	2.3
541-73-1	1,3-Dichlorobenzene	ND		4.5	0.23
106-46-7	1,4-Dichlorobenzene	ND		4.5	0.63
591-78-6	2-Hexanone	ND		23	2.3
78-93-3	2-Butanone (MEK)	ND		23	1.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		23	1.5
67-64-1	Acetone	ND		23	3.8
71-43-2	Benzene	ND		4.5	0.22
75-27-4	Bromodichloromethane	ND		4.5	0.60
75-25-2	Bromoform	ND		4.5	2.3
74-83-9	Bromomethane	ND		4.5	0.41
75-15-0	Carbon disulfide	ND		4.5	2.3
56-23-5	Carbon tetrachloride	ND		4.5	0.44
108-90-7	Chlorobenzene	ND		4.5	0.60
124-48-1	Dibromochloromethane	ND		4.5	0.58
75-00-3	Chloroethane	ND		4.5	1.0
67-66-3	Chloroform	ND		4.5	0.28
74-87-3	Chloromethane	ND		4.5	0.27
156-59-2	cis-1,2-Dichloroethene	ND		4.5	0.58
10061-01-5	cis-1,3-Dichloropropene	ND		4.5	0.65
110-82-7	Cyclohexane	ND		4.5	0.63
75-71-8	Dichlorodifluoromethane	ND		4.5	0.37
100-41-4	Ethylbenzene	ND		4.5	0.31
98-82-8	Isopropylbenzene	ND		4.5	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: SB-B6 (5-9) Lab Sample ID: 480-9072-3
 Matrix: Solid Lab File ID: P4774.D
 Analysis Method: 8260B Date Collected: 08/25/2011 14:15
 Sample wt/vol: 6.733(g) Date Analyzed: 08/30/2011 20:54
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: 17.7 Level: (low/med) Low
 Analysis Batch No.: 29441 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.5	0.84
1634-04-4	Methyl tert-butyl ether	ND		4.5	0.44
108-87-2	Methylcyclohexane	ND		4.5	0.69
75-09-2	Methylene Chloride	ND		4.5	2.1
100-42-5	Styrene	ND		4.5	0.23
127-18-4	Tetrachloroethene	ND		4.5	0.61
108-88-3	Toluene	ND		4.5	0.34
156-60-5	trans-1,2-Dichloroethene	ND		4.5	0.47
10061-02-6	trans-1,3-Dichloropropene	ND		4.5	2.0
79-01-6	Trichloroethene	ND		4.5	0.99
75-69-4	Trichlorofluoromethane	ND		4.5	0.43
75-01-4	Vinyl chloride	ND		4.5	0.55
1330-20-7	Xylenes, Total	ND		9.0	0.76

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		64-126
2037-26-5	Toluene-d8 (Surr)	92		71-125
460-00-4	4-Bromofluorobenzene (Surr)	94		72-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: SB-B6 (5-9) Lab Sample ID: 480-9072-3
Matrix: Solid Lab File ID: P4774.D
Analysis Method: 8260B Date Collected: 08/25/2011 14:15
Sample wt/vol: 6.733(g) Date Analyzed: 08/30/2011 20:54
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: 17.7 Level: (low/med) Low
Analysis Batch No.: 29441 Units: ug/Kg
Number TICs Found: 3 TIC Result Total: 47.6

CAS NO.	COMPOUND NAME	RT	RESULT	Q
110-54-3	Hexane	5.75	22	J
556-67-2	Cyclotetrasiloxane, octamethyl-	13.39	24	T J N
91-20-3	Naphthalene	17.75	1.6	J B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4774.D
 Lims ID: 480-9072-A-3-A Client ID: SB-B6 (5-9)
 Inject. Date: 30-Aug-2011 20:54:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-9072-A-3-A
 Misc. Info.: 480-0005649-022 =480-0005649-022
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 22
 Lims Batch ID: 29441 Lims Sample ID: 22
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P-8260 Soil.m
 Last Update: 30-Aug-2011 13:40:26 Calib Date: 18-Aug-2011 21:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4565.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 31-Aug-2011 12:24:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.066	8.066	0.0	94	629522	50.0	
* 2 Chlorobenzene-d5	82	11.838	11.838	0.0	82	297445	50.0	
* 3 1,4-Dichlorobenzene-d4	152	14.983	14.983	0.0	92	345778	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.628	7.628	0.0	99	125879	43.2	
\$ 5 Toluene-d8 (Surr)	98	9.891	9.891	0.0	92	782293	46.1	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.450	13.450	0.0	94	319756	47.2	
10 Dichlorodifluoromethane	85		2.816					
11 Chloromethane	50		3.029					
17 Vinyl chloride	62		3.199					
12 Bromomethane	94		3.631					
13 Chloroethane	64		3.741					
14 Trichlorofluoromethane	101		4.045					
16 1,1,2-Trichloro-1,2,2-trifluoroethane	101		4.647					
25 1,1-Dichloroethene	96		4.684					
24 Acetone	43		4.769					
27 Carbon disulfide	76		4.994					
30 Methyl acetate	43		5.097					
31 Methylene Chloride	84		5.262					
32 Methyl tert-butyl ether	73		5.499					
35 trans-1,2-Dichloroethene	96		5.542					
40 1,1-Dichloroethane	63		6.028					
44 2-Butanone (MEK)	43		6.667					
43 cis-1,2-Dichloroethene	96		6.685					
49 Chloroform	83		7.038					
52 1,1,1-Trichloroethane	97		7.245					
54 Cyclohexane	56		7.288					
55 Carbon tetrachloride	117		7.428					
57 Benzene	78		7.677					
60 1,2-Dichloroethane	62		7.720					
62 Trichloroethene	95		8.407					
64 Methylcyclohexane	83		8.614					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		8.711					
70 Dichlorobromomethane	83		9.052					
73 cis-1,3-Dichloropropene	75		9.569					
75 4-Methyl-2-pentanone (MIBK)	43		9.709					
76 Toluene	92		9.977					
78 trans-1,3-Dichloropropene	75		10.275					
79 1,1,2-Trichloroethane	83		10.542					
80 Tetrachloroethene	166		10.688					
83 2-Hexanone	43		10.786					
81 Chlorodibromomethane	129		11.096					
85 Ethylene Dibromide	107		11.266					
87 Chlorobenzene	112		11.881					
89 Ethylbenzene	91		11.972					
90 m-Xylene & p-Xylene	106		12.124					
93 o-Xylene	106		12.696					
94 Styrene	104		12.726					
92 Bromoform	173		13.079					
95 Isopropylbenzene	105		13.176					
97 1,1,2,2-Tetrachloroethane	83		13.663					
110 1,3-Dichlorobenzene	146		14.904					
111 1,4-Dichlorobenzene	146		15.014					
116 1,2-Dichlorobenzene	146		15.506					
117 1,2-Dibromo-3-Chloropropane	75		16.492					
119 1,2,4-Trichlorobenzene	180		17.435					
S 126 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4774.D
Lims ID: 480-9072-A-3-A Client ID: SB-B6 (5-9)
Inject. Date: 30-Aug-2011 20:54:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-9072-A-3-A
Misc. Info.: 480-0005649-022 =480-0005649-022
Operator: PJQ Instrument ID: HP5973P
Vol. Injected: 1.0000 ALS Bottle#: 22
Lims Batch ID: 29441 Lims Sample ID: 22
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P-8260 Soil.m
Last Update: 30-Aug-2011 13:40:26 Calib Date: 18-Aug-2011 21:23:30
Tic RT Window: 1.500 -0.000 Response: area
Quant By: Nearest ISTD Quant LOD: 10.00000
MS Library: \\Bufchrom\ChromData\Database\NIST98.L
Min. Match: 85
Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 31-Aug-2011 12:24:35

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/L	Flags
Hexane	5.749	156153	24.3	
Naphthalene	17.751	28019	1.78	

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
13.390	888154	26.8	2	86	556-67-2 Cyclotetrasiloxane, octamethyl-	97367

Quantitation Compounds

Compound	RT	Response	Amount ug/L
* 2 Chlorobenzene-d5	11.838	1659025	50.0

QC Flag Legend

Processing Flags

Report Date: 31-Aug-2011 12:24:35

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4774.D

Injection Date: 30-Aug-2011 20:54:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B6 (5-9)

Instrument ID: HP5973P

Lims Batch ID: 29441

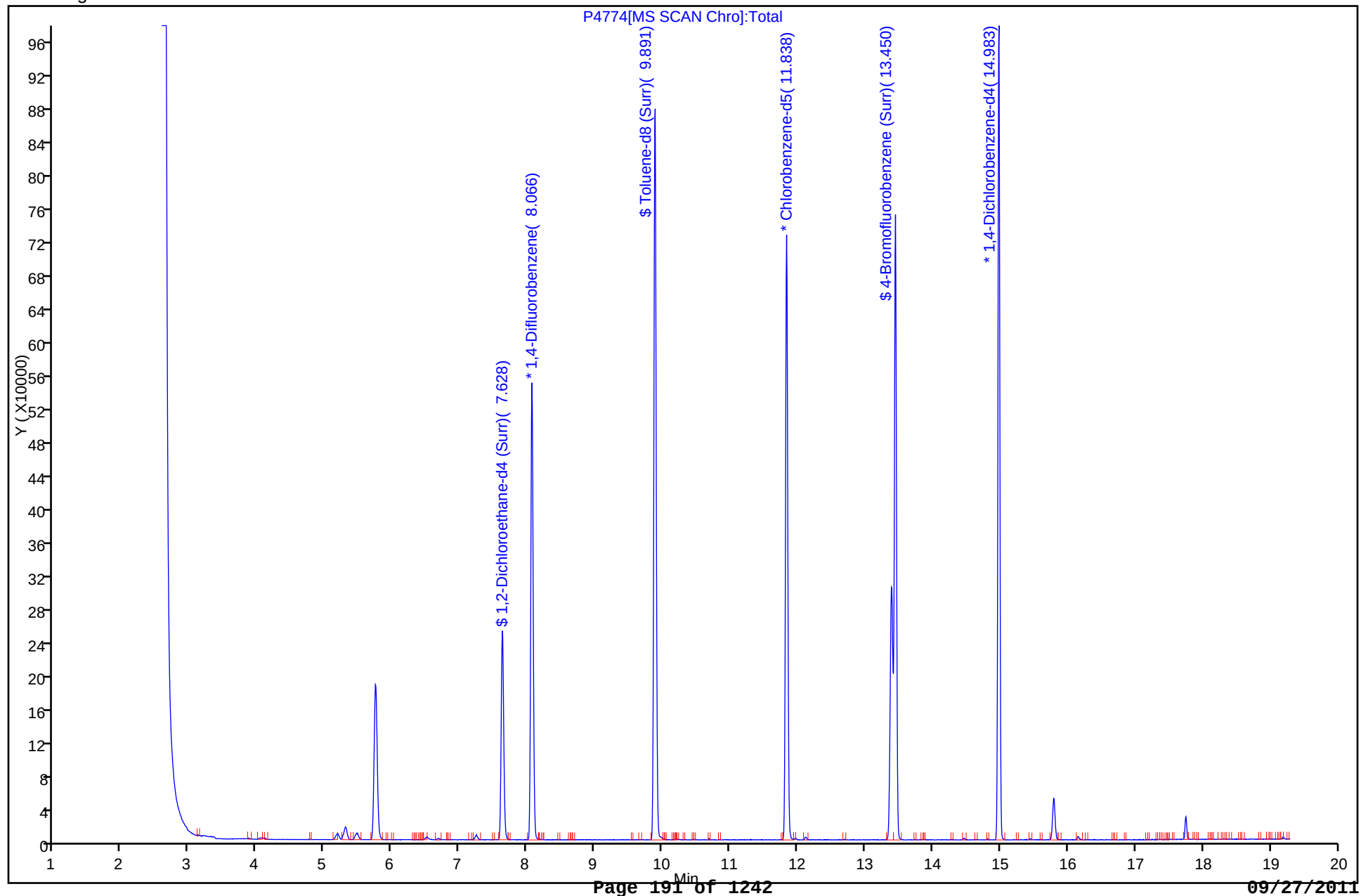
Lims Sample ID: 22

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 31-Aug-2011 12:24:35

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4774.D

Injection Date: 30-Aug-2011 20:54:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B6 (5-9)

Instrument ID: HP5973P

Lims Batch ID: 29441

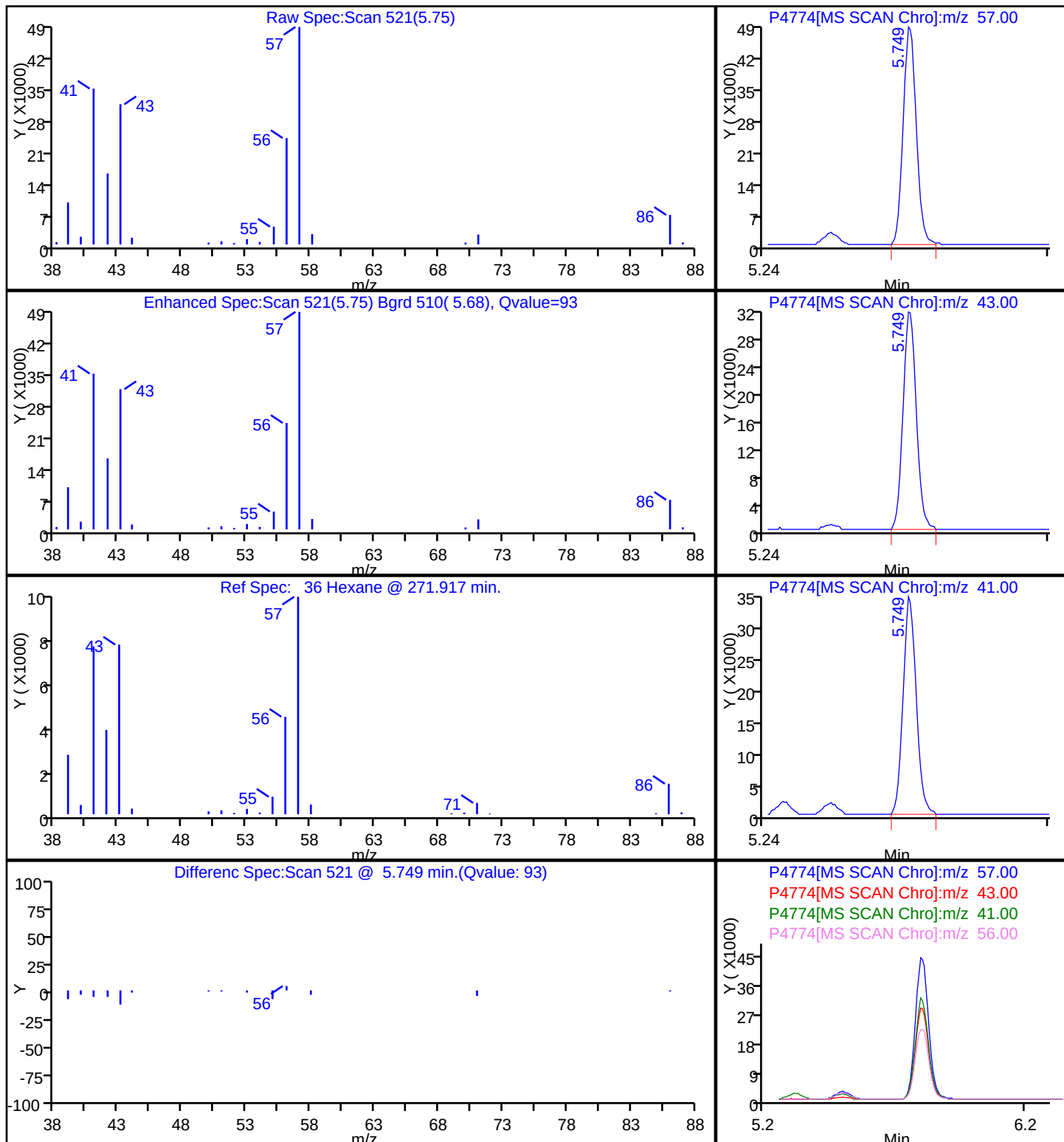
Lims Sample ID: 22

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

36 Hexane



Report Date: 31-Aug-2011 12:24:35

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4774.D

Injection Date: 30-Aug-2011 20:54:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B6 (5-9)

Instrument ID: HP5973P

Lims Batch ID: 29441

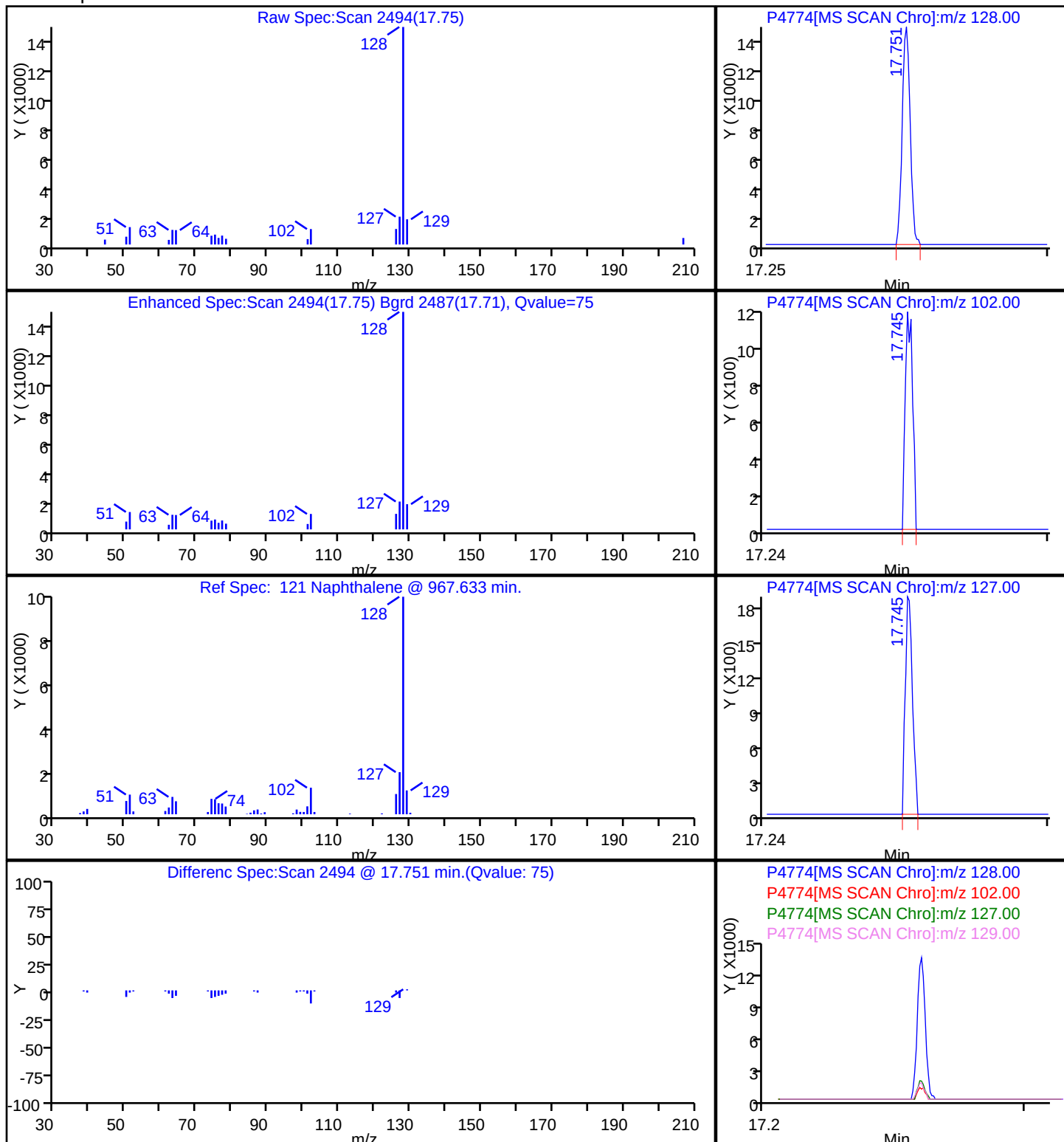
Lims Sample ID: 22

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

121 Naphthalene



Report Date: 31-Aug-2011 12:24:35

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4774.D

Injection Date: 30-Aug-2011 20:54:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B6 (5-9)

Instrument ID: HP5973P

Lims Batch ID: 29441

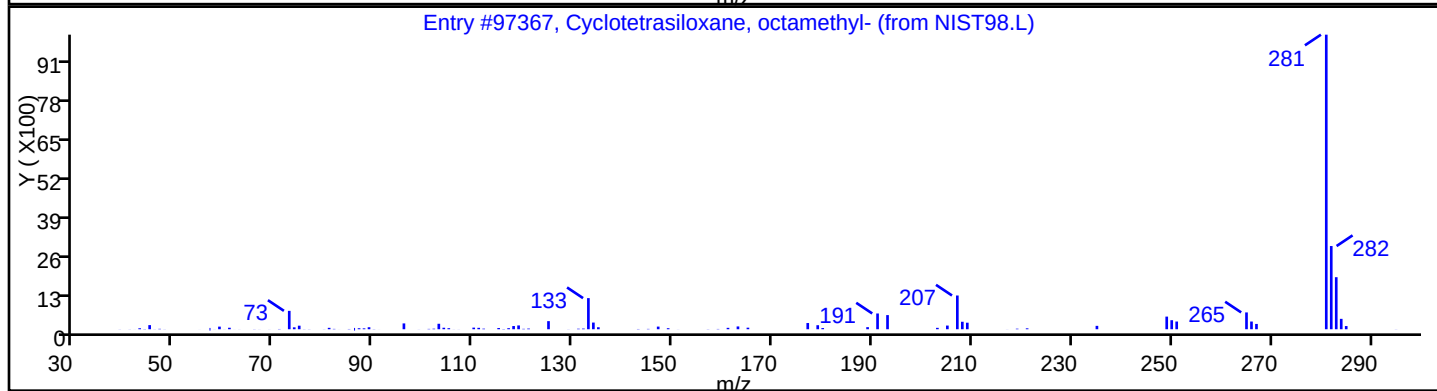
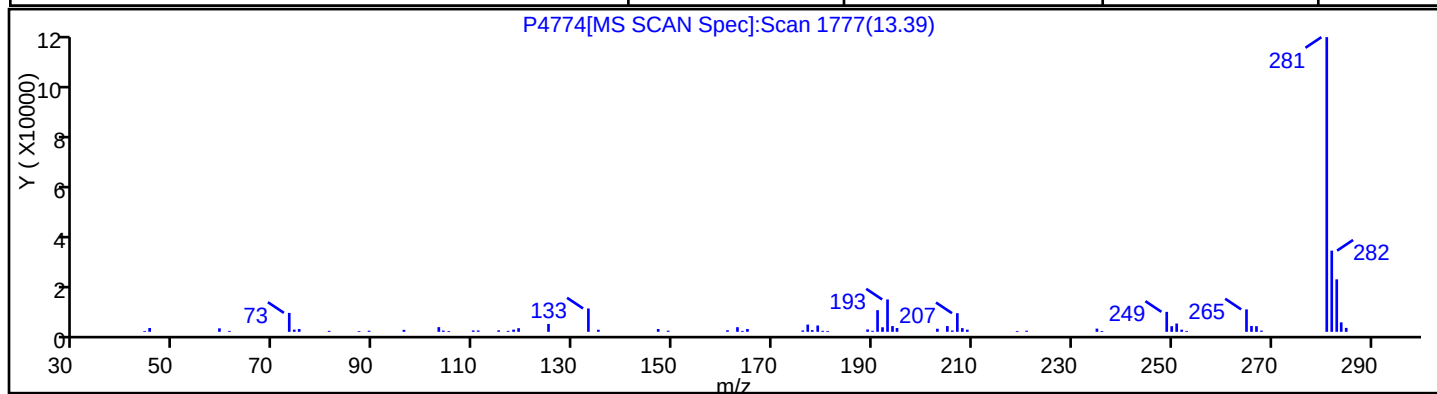
Lims Sample ID: 22

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST98.L	97367	86



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Client Sample ID: SB-C3 (5-8) Lab Sample ID: 480-9503-1

Matrix: Solid Lab File ID: F3814.D

Analysis Method: 8260B Date Collected: 09/06/2011 10:45

Sample wt/vol: 8.157(g) Date Analyzed: 09/10/2011 16:03

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: 15.6 Level: (low/med) Low

Analysis Batch No.: 30731 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		3.6	0.26
79-34-5	1,1,2,2-Tetrachloroethane	ND		3.6	0.59
79-00-5	1,1,2-Trichloroethane	ND		3.6	0.47
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.6	0.83
75-34-3	1,1-Dichloroethane	ND		3.6	0.44
75-35-4	1,1-Dichloroethene	ND		3.6	0.44
120-82-1	1,2,4-Trichlorobenzene	ND		3.6	0.22
96-12-8	1,2-Dibromo-3-Chloropropane	ND		3.6	1.8
106-93-4	1,2-Dibromoethane	ND		3.6	0.47
95-50-1	1,2-Dichlorobenzene	ND		3.6	0.28
107-06-2	1,2-Dichloroethane	ND		3.6	0.18
78-87-5	1,2-Dichloropropane	ND		3.6	1.8
541-73-1	1,3-Dichlorobenzene	ND		3.6	0.19
106-46-7	1,4-Dichlorobenzene	ND		3.6	0.51
591-78-6	2-Hexanone	ND		18	1.8
78-93-3	2-Butanone (MEK)	ND		18	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		18	1.2
67-64-1	Acetone	ND		18	3.1
71-43-2	Benzene	ND		3.6	0.18
75-27-4	Bromodichloromethane	ND		3.6	0.49
75-25-2	Bromoform	ND		3.6	1.8
74-83-9	Bromomethane	ND		3.6	0.33
75-15-0	Carbon disulfide	ND		3.6	1.8
56-23-5	Carbon tetrachloride	ND		3.6	0.35
108-90-7	Chlorobenzene	ND		3.6	0.48
124-48-1	Dibromochloromethane	ND		3.6	0.46
75-00-3	Chloroethane	ND		3.6	0.82
67-66-3	Chloroform	ND		3.6	0.22
74-87-3	Chloromethane	ND		3.6	0.22
156-59-2	cis-1,2-Dichloroethene	ND		3.6	0.46
10061-01-5	cis-1,3-Dichloropropene	ND		3.6	0.52
110-82-7	Cyclohexane	ND		3.6	0.51
75-71-8	Dichlorodifluoromethane	ND		3.6	0.30
100-41-4	Ethylbenzene	ND		3.6	0.25
98-82-8	Isopropylbenzene	ND		3.6	0.55

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: SB-C3 (5-8) Lab Sample ID: 480-9503-1
 Matrix: Solid Lab File ID: F3814.D
 Analysis Method: 8260B Date Collected: 09/06/2011 10:45
 Sample wt/vol: 8.157(g) Date Analyzed: 09/10/2011 16:03
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: 15.6 Level: (low/med) Low
 Analysis Batch No.: 30731 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		3.6	0.68
1634-04-4	Methyl tert-butyl ether	ND		3.6	0.36
108-87-2	Methylcyclohexane	ND		3.6	0.55
75-09-2	Methylene Chloride	ND		3.6	1.7
100-42-5	Styrene	ND		3.6	0.18
127-18-4	Tetrachloroethene	0.58	J	3.6	0.49
108-88-3	Toluene	ND		3.6	0.27
156-60-5	trans-1,2-Dichloroethene	ND		3.6	0.37
10061-02-6	trans-1,3-Dichloropropene	ND		3.6	1.6
79-01-6	Trichloroethene	3.2	J	3.6	0.80
75-69-4	Trichlorofluoromethane	ND		3.6	0.34
75-01-4	Vinyl chloride	ND		3.6	0.44
1330-20-7	Xylenes, Total	ND		7.3	0.61

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		64-126
2037-26-5	Toluene-d8 (Surr)	97		71-125
460-00-4	4-Bromofluorobenzene (Surr)	92		72-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: SB-C3 (5-8) Lab Sample ID: 480-9503-1
Matrix: Solid Lab File ID: F3814.D
Analysis Method: 8260B Date Collected: 09/06/2011 10:45
Sample wt/vol: 8.157(g) Date Analyzed: 09/10/2011 16:03
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: 15.6 Level: (low/med) Low
Analysis Batch No.: 30731 Units: ug/Kg
Number TICs Found: 1 TIC Result Total: 14

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	9.66	14	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3814.D
 Lims ID: 480-9503-A-1-A Client ID: SB-C3 (5-8)
 Inject. Date: 10-Sep-2011 16:03:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-9503-A-1-A
 Misc. Info.: 480-0005865-008 =480-0005865-008
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 8
 Lims Batch ID: 30731 Lims Sample ID: 8
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F-8260 SOIL.m
 Last Update: 10-Sep-2011 14:47:06 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: BrandtT

Date: 12-Sep-2011 12:33:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	504880	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	86	234775	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.819	-0.001	94	224861	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.428	5.429	0.0	96	85283	48.1	
\$ 5 Toluene-d8 (Surr)	98	7.059	7.065	-0.006	94	519210	48.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.723	9.730	-0.007	87	172355	45.9	
10 Dichlorodifluoromethane	85		2.088					
12 Chloromethane	50		2.240					
13 Vinyl chloride	62		2.368					
14 Bromomethane	94		2.654					
15 Chloroethane	64		2.733					
17 Trichlorofluoromethane	101		2.958					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.336					
22 1,1-Dichloroethene	96		3.372					
23 Acetone	43		3.427					
26 Carbon disulfide	76		3.591					
27 Methyl acetate	43		3.646					
30 Methylene Chloride	84		3.767					
32 Methyl tert-butyl ether	73		3.920					
34 trans-1,2-Dichloroethene	96		3.956					
39 1,1-Dichloroethane	63		4.297					
43 2-Butanone (MEK)	43		4.747					
45 cis-1,2-Dichloroethene	96		4.759					
50 Chloroform	83		5.002					
51 1,1,1-Trichloroethane	97		5.148					
52 Cyclohexane	56		5.179					
55 Carbon tetrachloride	117		5.282					
57 Benzene	78		5.459					
58 1,2-Dichloroethane	62		5.495					
62 Trichloroethene	95	5.988	5.982	0.006	79	12017	4.38	
64 Methylcyclohexane	83		6.122					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.207					
68 Dichlorobromomethane	83		6.450					
72 cis-1,3-Dichloropropene	75		6.834					
73 4-Methyl-2-pentanone (MIBK)	43		6.931					
74 Toluene	92		7.126					
77 trans-1,3-Dichloropropene	75		7.351					
79 1,1,2-Trichloroethane	83		7.551					
81 Tetrachloroethene	166	7.655	7.655	0.0	44	2447	0.7996	
80 2-Hexanone	43		7.722					
83 Chlorodibromomethane	129		7.965					
84 Ethylene Dibromide	107		8.099					
87 Chlorobenzene	112		8.549					
88 Ethylbenzene	91		8.610					
90 m-Xylene & p-Xylene	106		8.726					
91 o-Xylene	106		9.158					
92 Styrene	104		9.182					
95 Bromoform	173		9.456					
94 Isopropylbenzene	105		9.516					
97 1,1,2,2-Tetrachloroethane	83		9.881					
111 1,3-Dichlorobenzene	146		10.757					
113 1,4-Dichlorobenzene	146		10.837					
116 1,2-Dichlorobenzene	146		11.177					
117 1,2-Dibromo-3-Chloropropane	75		11.853					
119 1,2,4-Trichlorobenzene	180		12.510					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3814.D
Lims ID: 480-9503-A-1-A Client ID: SB-C3 (5-8)
Inject. Date: 10-Sep-2011 16:03:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-9503-A-1-A
Misc. Info.: 480-0005865-008 =480-0005865-008
Operator: PJQ Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 8
Lims Batch ID: 30731 Lims Sample ID: 8
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F-8260 SOIL.m
Last Update: 10-Sep-2011 14:47:06 Calib Date: 01-Sep-2011 15:38:30
Tic RT Window: 1.500 -0.000 Response: area
Quant By: Nearest ISTD Quant LOD: 10.00000
MS Library: \\Bufchrom\ChromData\Database\NIST98.L
Min. Match: 85
Process Host: CORP-CTX-16

First Level Reviewer: BrandtT

Date: 12-Sep-2011 12:33:40

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.102	9516	2.13	

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
9.656	553556	19.7	2		Unknown	

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 2 Chlorobenzene-d5	8.519	1405257	50.0

QC Flag Legend

Processing Flags

Report Date: 12-Sep-2011 12:33:40

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3814.D

Injection Date: 10-Sep-2011 16:03:30

Limit Group: MV - 8260B ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973F

Lims Batch ID: 30731

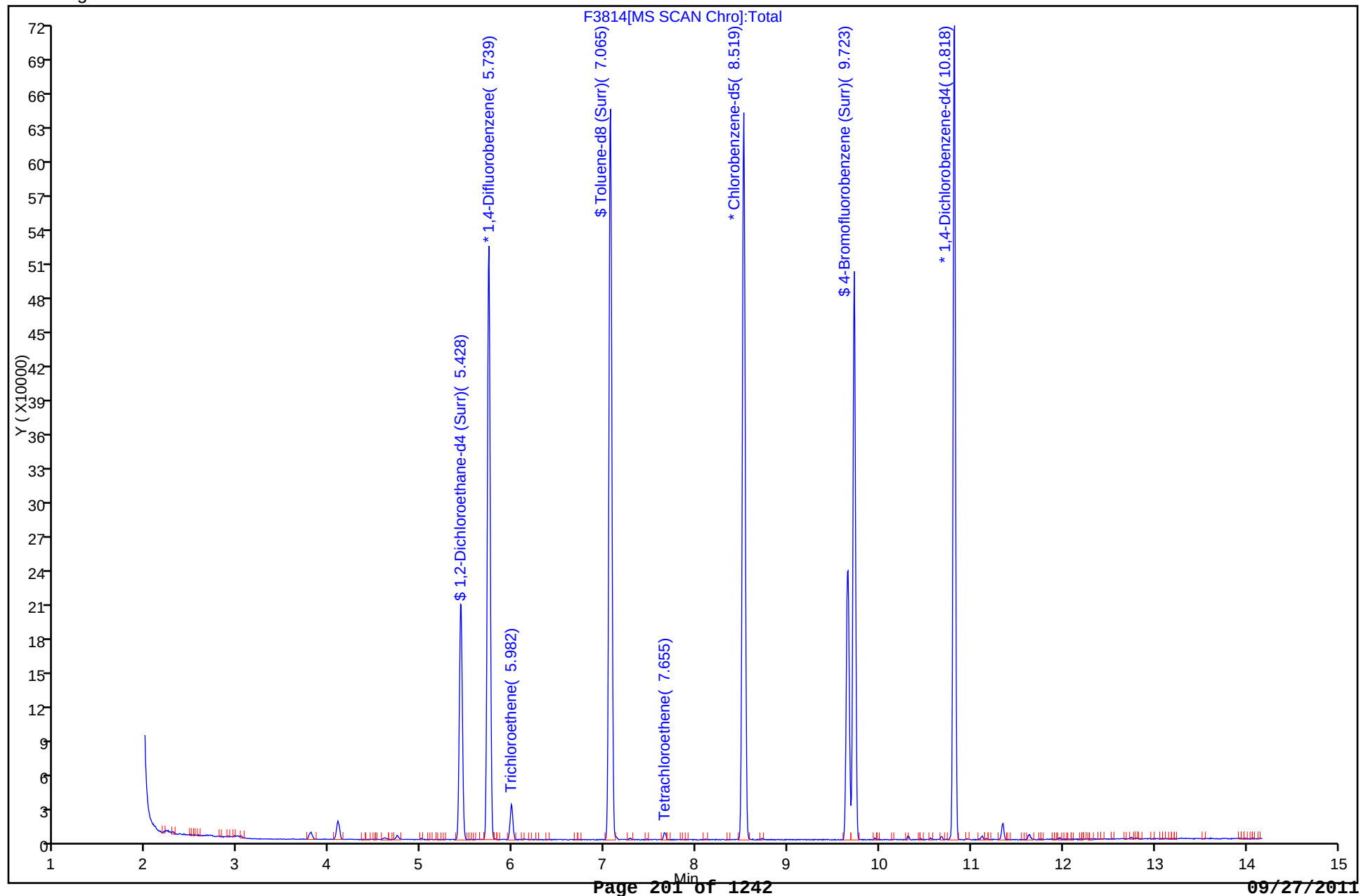
Lims Sample ID: 8

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 12-Sep-2011 12:33:40

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3814.D

Injection Date: 10-Sep-2011 16:03:30

Limit Group: MV - 8260B ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973F

Lims Batch ID: 30731

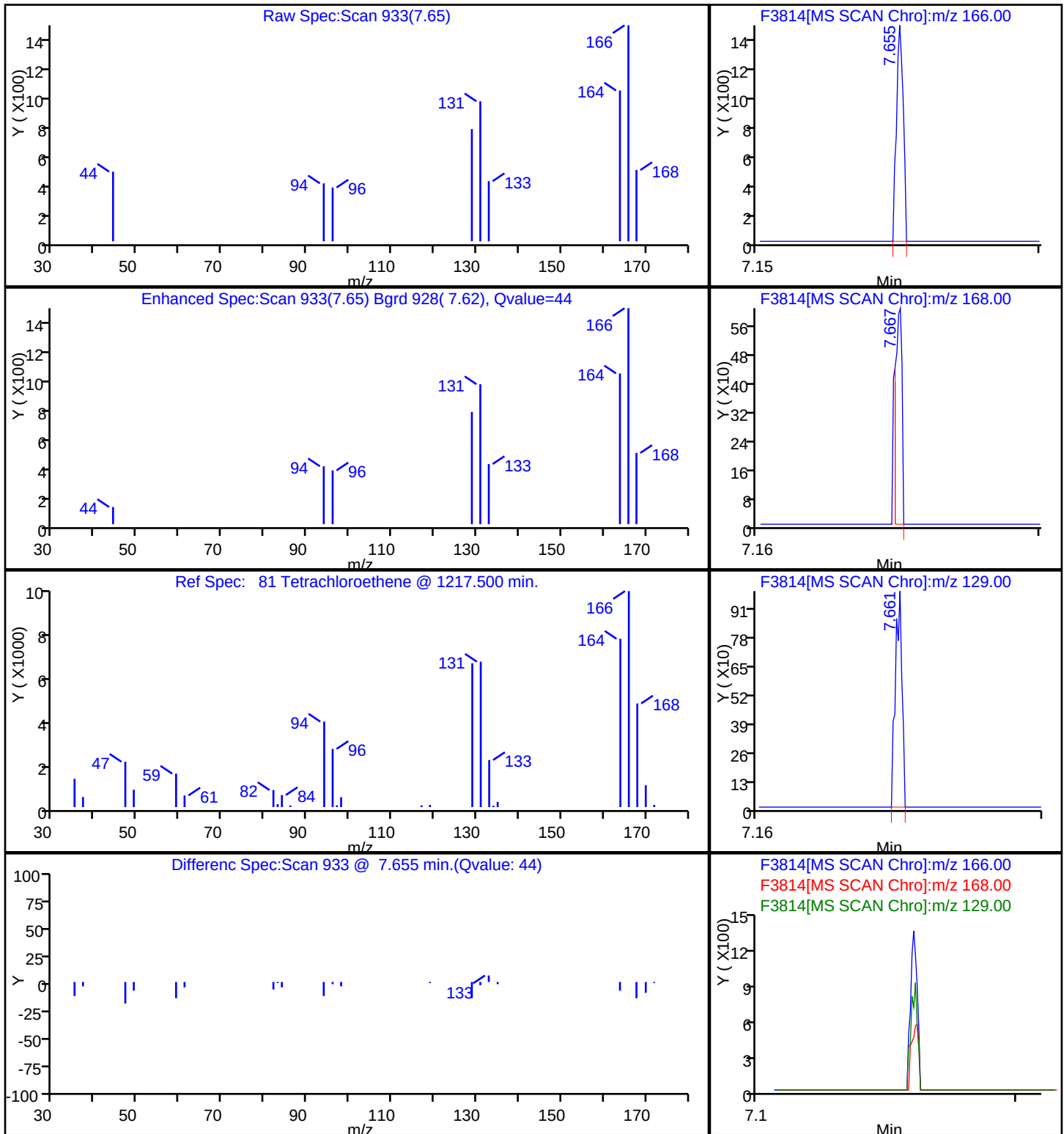
Lims Sample ID: 8

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

81 Tetrachloroethene



Report Date: 12-Sep-2011 12:33:40

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3814.D

Injection Date: 10-Sep-2011 16:03:30

Limit Group: MV - 8260B ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973F

Lims Batch ID: 30731

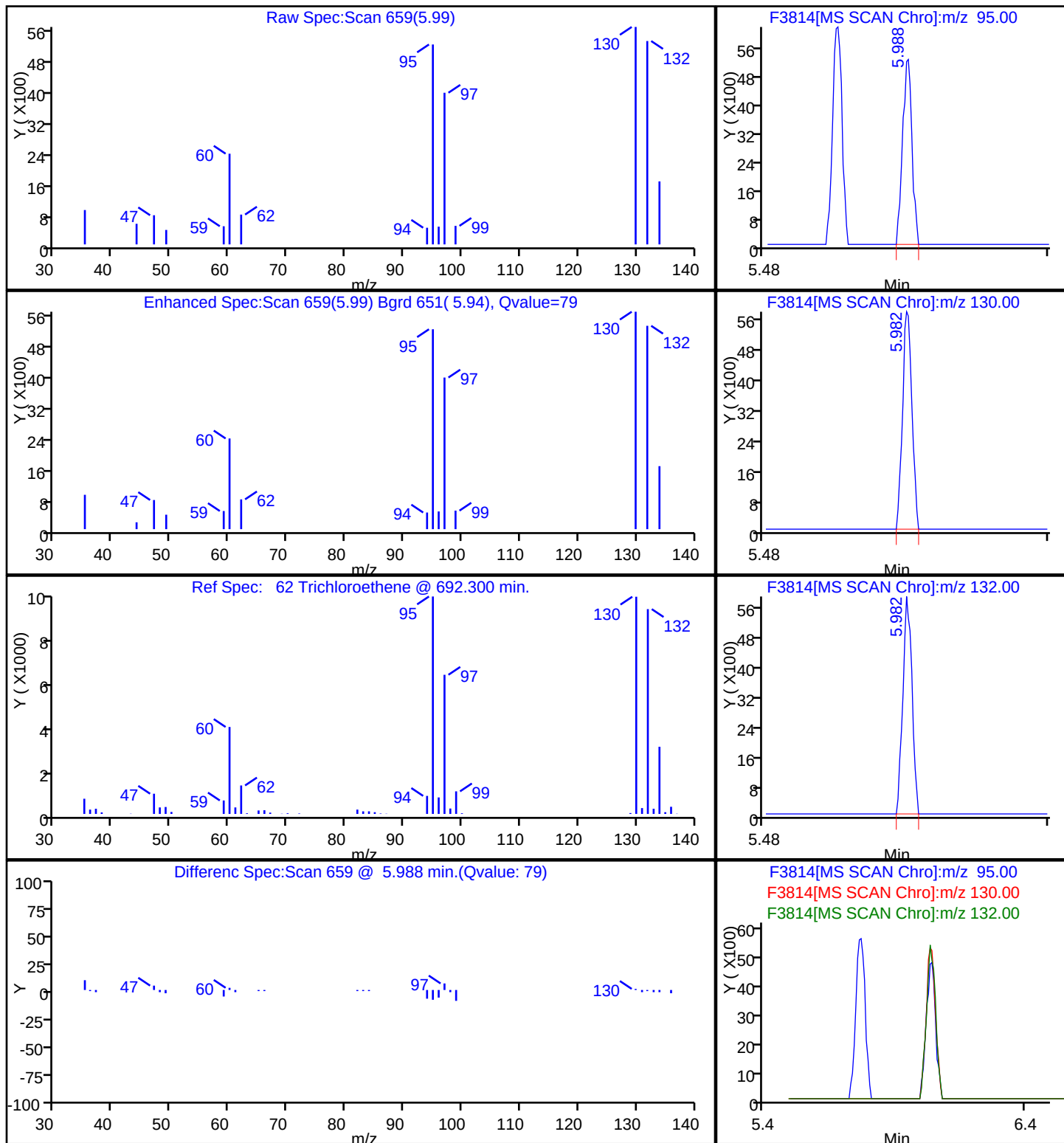
Lims Sample ID: 8

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

62 Trichloroethene



Report Date: 12-Sep-2011 12:33:41

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3814.D

Injection Date: 10-Sep-2011 16:03:30

Limit Group: MV - 8260B ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973F

Lims Batch ID: 30731

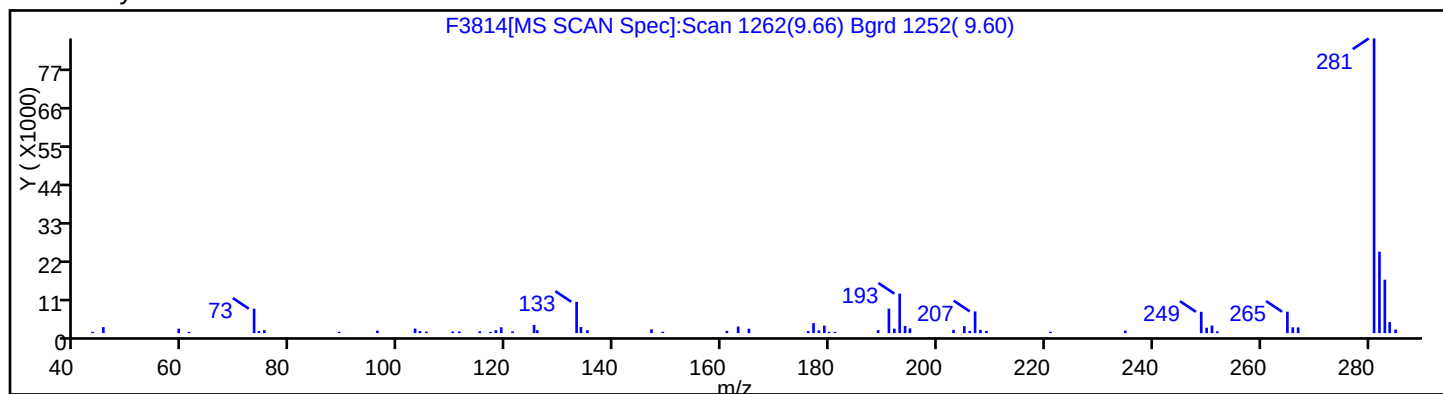
Lims Sample ID: 8

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Client Sample ID: SB-C6 (5-6) Lab Sample ID: 480-9503-2

Matrix: Solid Lab File ID: F3834.D

Analysis Method: 8260B Date Collected: 09/06/2011 12:40

Sample wt/vol: 6.518(g) Date Analyzed: 09/12/2011 20:58

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: 13.9 Level: (low/med) Low

Analysis Batch No.: 30918 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.5	0.32
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.5	0.72
79-00-5	1,1,2-Trichloroethane	ND		4.5	0.58
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.5	1.0
75-34-3	1,1-Dichloroethane	ND		4.5	0.54
75-35-4	1,1-Dichloroethene	ND		4.5	0.55
120-82-1	1,2,4-Trichlorobenzene	ND		4.5	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.5	2.2
106-93-4	1,2-Dibromoethane	ND		4.5	0.57
95-50-1	1,2-Dichlorobenzene	ND		4.5	0.35
107-06-2	1,2-Dichloroethane	ND		4.5	0.22
78-87-5	1,2-Dichloropropane	ND		4.5	2.2
541-73-1	1,3-Dichlorobenzene	ND		4.5	0.23
106-46-7	1,4-Dichlorobenzene	ND		4.5	0.62
591-78-6	2-Hexanone	ND		22	2.2
78-93-3	2-Butanone (MEK)	ND		22	1.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		22	1.5
67-64-1	Acetone	ND		22	3.7
71-43-2	Benzene	ND		4.5	0.22
75-27-4	Bromodichloromethane	ND		4.5	0.60
75-25-2	Bromoform	ND		4.5	2.2
74-83-9	Bromomethane	ND		4.5	0.40
75-15-0	Carbon disulfide	ND		4.5	2.2
56-23-5	Carbon tetrachloride	ND		4.5	0.43
108-90-7	Chlorobenzene	ND		4.5	0.59
124-48-1	Dibromochloromethane	ND		4.5	0.57
75-00-3	Chloroethane	ND		4.5	1.0
67-66-3	Chloroform	ND		4.5	0.28
74-87-3	Chloromethane	ND		4.5	0.27
156-59-2	cis-1,2-Dichloroethene	ND		4.5	0.57
10061-01-5	cis-1,3-Dichloropropene	ND		4.5	0.64
110-82-7	Cyclohexane	ND		4.5	0.62
75-71-8	Dichlorodifluoromethane	ND		4.5	0.37
100-41-4	Ethylbenzene	ND		4.5	0.31
98-82-8	Isopropylbenzene	ND		4.5	0.67

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: SB-C6 (5-6) Lab Sample ID: 480-9503-2
 Matrix: Solid Lab File ID: F3834.D
 Analysis Method: 8260B Date Collected: 09/06/2011 12:40
 Sample wt/vol: 6.518(g) Date Analyzed: 09/12/2011 20:58
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: 13.9 Level: (low/med) Low
 Analysis Batch No.: 30918 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.5	0.83
1634-04-4	Methyl tert-butyl ether	ND		4.5	0.44
108-87-2	Methylcyclohexane	ND		4.5	0.68
75-09-2	Methylene Chloride	ND		4.5	2.0
100-42-5	Styrene	ND		4.5	0.22
127-18-4	Tetrachloroethene	ND		4.5	0.60
108-88-3	Toluene	ND		4.5	0.34
156-60-5	trans-1,2-Dichloroethene	ND		4.5	0.46
10061-02-6	trans-1,3-Dichloropropene	ND		4.5	2.0
79-01-6	Trichloroethene	ND		4.5	0.98
75-69-4	Trichlorofluoromethane	ND		4.5	0.42
75-01-4	Vinyl chloride	ND		4.5	0.54
1330-20-7	Xylenes, Total	ND		8.9	0.75

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		64-126
2037-26-5	Toluene-d8 (Surr)	93		71-125
460-00-4	4-Bromofluorobenzene (Surr)	96		72-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: SB-C6 (5-6) Lab Sample ID: 480-9503-2
Matrix: Solid Lab File ID: F3834.D
Analysis Method: 8260B Date Collected: 09/06/2011 12:40
Sample wt/vol: 6.518(g) Date Analyzed: 09/12/2011 20:58
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: 13.9 Level: (low/med) Low
Analysis Batch No.: 30918 Units: ug/Kg
Number TICs Found: 1 TIC Result Total: 18

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	9.66	18	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110912-5900.b\F3834.D
 Lims ID: 480-9503-B-2-A Client ID: SB-C6 (5-6)
 Inject. Date: 12-Sep-2011 20:58:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-9503-B-2-A
 Misc. Info.: 480-0005900-006 =480-0005900-006
 Operator: CDC Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 30918 Lims Sample ID: 6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110912-5900.b\F-8260 SOIL.m
 Last Update: 12-Sep-2011 20:33:30 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: jonesr

Date: 13-Sep-2011 14:53:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	95	519072	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	86	250870	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.819	10.818	0.001	95	269038	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.435	5.434	0.001	96	89884	49.3	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	534842	46.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.724	9.723	0.001	87	192822	48.0	
10 Dichlorodifluoromethane	85		2.095					
12 Chloromethane	50		2.247					
13 Vinyl chloride	62		2.368					
14 Bromomethane	94		2.648					
15 Chloroethane	64		2.727					
17 Trichlorofluoromethane	101		2.958					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.336					
22 1,1-Dichloroethene	96		3.366					
23 Acetone	43		3.421					
26 Carbon disulfide	76		3.591					
27 Methyl acetate	43		3.646					
30 Methylene Chloride	84		3.768					
32 Methyl tert-butyl ether	73		3.920					
34 trans-1,2-Dichloroethene	96		3.956					
39 1,1-Dichloroethane	63		4.297					
43 2-Butanone (MEK)	43		4.747					
45 cis-1,2-Dichloroethene	96		4.759					
50 Chloroform	83		5.003					
51 1,1,1-Trichloroethane	97		5.149					
52 Cyclohexane	56		5.179					
55 Carbon tetrachloride	117		5.282					
57 Benzene	78		5.459					
58 1,2-Dichloroethane	62		5.495					
62 Trichloroethene	95		5.988					
64 Methylcyclohexane	83		6.122					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.207					
68 Dichlorobromomethane	83		6.450					
72 cis-1,3-Dichloropropene	75		6.834					
73 4-Methyl-2-pentanone (MIBK)	43		6.931					
74 Toluene	92		7.132					
77 trans-1,3-Dichloropropene	75		7.351					
79 1,1,2-Trichloroethane	83		7.552					
81 Tetrachloroethene	166		7.655					
80 2-Hexanone	43		7.722					
83 Chlorodibromomethane	129		7.965					
84 Ethylene Dibromide	107		8.099					
87 Chlorobenzene	112		8.549					
88 Ethylbenzene	91		8.610					
90 m-Xylene & p-Xylene	106		8.726					
91 o-Xylene	106		9.158					
92 Styrene	104		9.182					
95 Bromoform	173		9.456					
94 Isopropylbenzene	105		9.517					
97 1,1,2,2-Tetrachloroethane	83		9.882					
111 1,3-Dichlorobenzene	146		10.758					
113 1,4-Dichlorobenzene	146		10.837					
116 1,2-Dichlorobenzene	146		11.183					
117 1,2-Dibromo-3-Chloropropane	75		11.853					
119 1,2,4-Trichlorobenzene	180		12.510					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110912-5900.b\F3834.D
Lims ID: 480-9503-B-2-A Client ID: SB-C6 (5-6)
Inject. Date: 12-Sep-2011 20:58:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-9503-B-2-A
Misc. Info.: 480-0005900-006 =480-0005900-006
Operator: CDC Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 30918 Lims Sample ID: 6
Detector: MS SCAN
Method: \\Bufchrom\ChromData\HP5973F\20110912-5900.b\F-8260 SOIL.m
Last Update: 12-Sep-2011 20:33:30 Calib Date: 01-Sep-2011 15:38:30
Tic RT Window: 1.500 -0.000 Response: area
Quant By: Nearest ISTD Quant LOD: 10.00000
MS Library: \\Bufchrom\ChromData\Database\NIST98.L
Min. Match: 85
Process Host: CORP-CTX-16

First Level Reviewer: jonesr

Date: 13-Sep-2011 14:53:38

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags

Unknown
9.657 596345 19.8 2

Quantitation Compounds

Compound	RT	Response	Amount ug/kg

* 2 Chlorobenzene-d5 8.519 1505814 50.0

QC Flag Legend

Processing Flags

Report Date: 13-Sep-2011 14:53:38

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110912-5900.b\F3834.D

Injection Date: 12-Sep-2011 20:58:30

Limit Group: MV - 8260B ICAL

Client ID: SB-C6 (5-6)

Instrument ID: HP5973F

Lims Batch ID: 30918

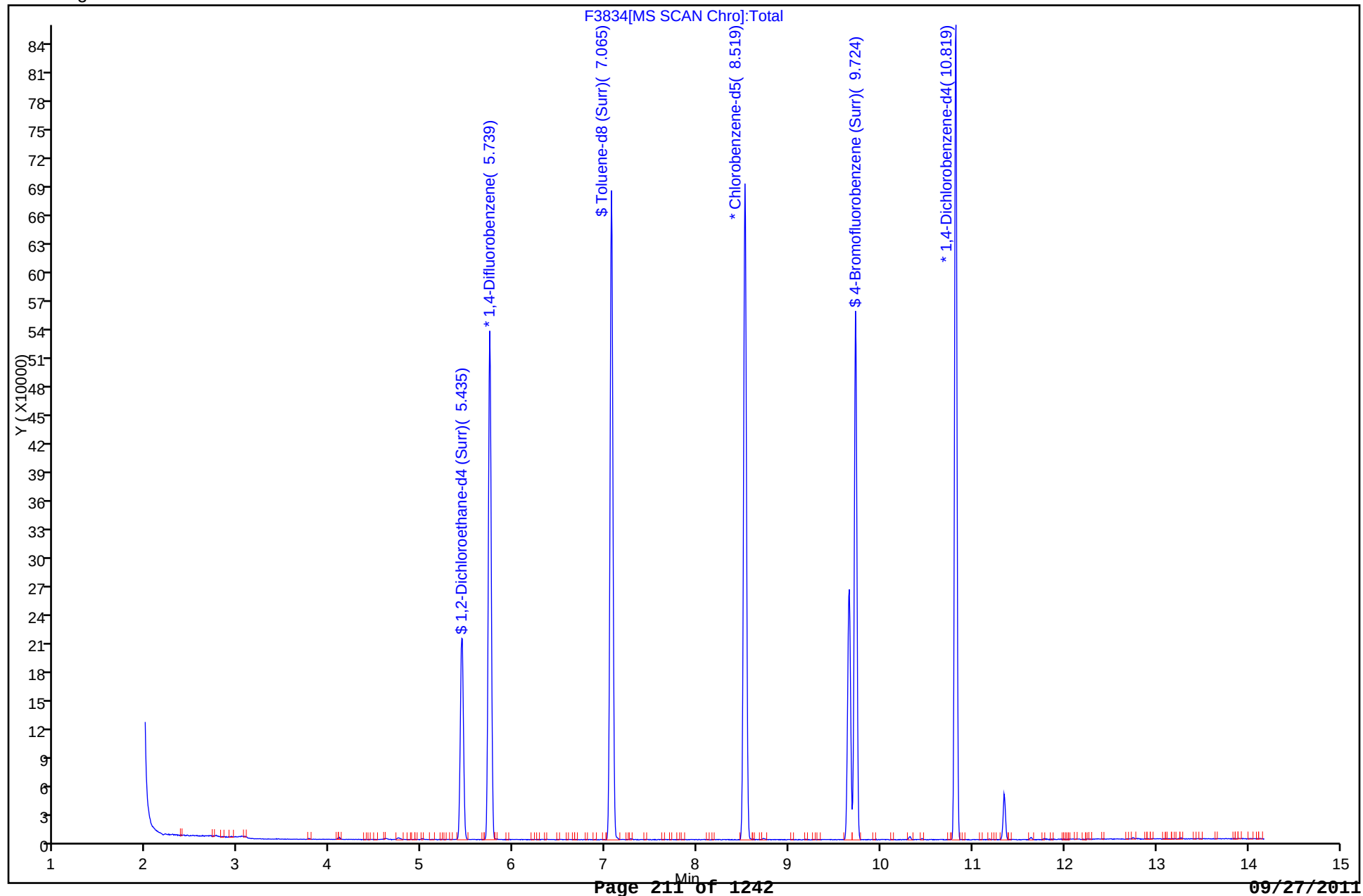
Lims Sample ID: 6

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 13-Sep-2011 14:53:38

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110912-5900.b\F3834.D

Injection Date: 12-Sep-2011 20:58:30

Limit Group: MV - 8260B ICAL

Client ID: SB-C6 (5-6)

Instrument ID: HP5973F

Lims Batch ID: 30918

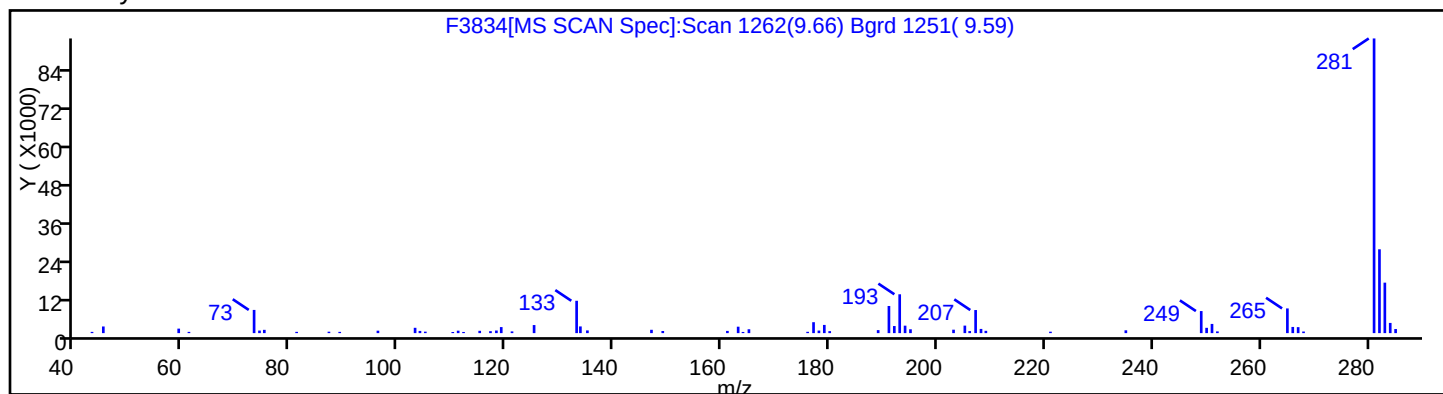
Lims Sample ID: 6

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Client Sample ID: SB-C8 (3-4) Lab Sample ID: 480-9503-3

Matrix: Solid Lab File ID: F3816.D

Analysis Method: 8260B Date Collected: 09/06/2011 13:15

Sample wt/vol: 5.92(g) Date Analyzed: 09/10/2011 16:54

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: 8.6 Level: (low/med) Low

Analysis Batch No.: 30731 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.6	0.34
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.6	0.75
79-00-5	1,1,2-Trichloroethane	ND		4.6	0.60
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	1.1
75-34-3	1,1-Dichloroethane	ND		4.6	0.56
75-35-4	1,1-Dichloroethene	ND		4.6	0.57
120-82-1	1,2,4-Trichlorobenzene	ND		4.6	0.28
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.6	2.3
106-93-4	1,2-Dibromoethane	ND		4.6	0.59
95-50-1	1,2-Dichlorobenzene	ND		4.6	0.36
107-06-2	1,2-Dichloroethane	ND		4.6	0.23
78-87-5	1,2-Dichloropropane	ND		4.6	2.3
541-73-1	1,3-Dichlorobenzene	ND		4.6	0.24
106-46-7	1,4-Dichlorobenzene	ND		4.6	0.65
591-78-6	2-Hexanone	ND		23	2.3
78-93-3	2-Butanone (MEK)	ND		23	1.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		23	1.5
67-64-1	Acetone	ND		23	3.9
71-43-2	Benzene	ND		4.6	0.23
75-27-4	Bromodichloromethane	ND		4.6	0.62
75-25-2	Bromoform	ND		4.6	2.3
74-83-9	Bromomethane	ND		4.6	0.42
75-15-0	Carbon disulfide	ND		4.6	2.3
56-23-5	Carbon tetrachloride	ND		4.6	0.45
108-90-7	Chlorobenzene	ND		4.6	0.61
124-48-1	Dibromochloromethane	ND		4.6	0.59
75-00-3	Chloroethane	ND		4.6	1.0
67-66-3	Chloroform	ND		4.6	0.29
74-87-3	Chloromethane	ND		4.6	0.28
156-59-2	cis-1,2-Dichloroethene	ND		4.6	0.59
10061-01-5	cis-1,3-Dichloropropene	ND		4.6	0.67
110-82-7	Cyclohexane	ND		4.6	0.65
75-71-8	Dichlorodifluoromethane	ND		4.6	0.38
100-41-4	Ethylbenzene	ND		4.6	0.32
98-82-8	Isopropylbenzene	ND		4.6	0.70

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: SB-C8 (3-4) Lab Sample ID: 480-9503-3
 Matrix: Solid Lab File ID: F3816.D
 Analysis Method: 8260B Date Collected: 09/06/2011 13:15
 Sample wt/vol: 5.92(g) Date Analyzed: 09/10/2011 16:54
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: 8.6 Level: (low/med) Low
 Analysis Batch No.: 30731 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.6	0.86
1634-04-4	Methyl tert-butyl ether	ND		4.6	0.45
108-87-2	Methylcyclohexane	ND		4.6	0.70
75-09-2	Methylene Chloride	ND		4.6	2.1
100-42-5	Styrene	ND		4.6	0.23
127-18-4	Tetrachloroethene	ND		4.6	0.62
108-88-3	Toluene	ND		4.6	0.35
156-60-5	trans-1,2-Dichloroethene	ND		4.6	0.48
10061-02-6	trans-1,3-Dichloropropene	ND		4.6	2.0
79-01-6	Trichloroethene	ND		4.6	1.0
75-69-4	Trichlorofluoromethane	ND		4.6	0.44
75-01-4	Vinyl chloride	ND		4.6	0.56
1330-20-7	Xylenes, Total	ND		9.2	0.78

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		64-126
2037-26-5	Toluene-d8 (Surr)	97		71-125
460-00-4	4-Bromofluorobenzene (Surr)	95		72-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: SB-C8 (3-4) Lab Sample ID: 480-9503-3
Matrix: Solid Lab File ID: F3816.D
Analysis Method: 8260B Date Collected: 09/06/2011 13:15
Sample wt/vol: 5.92(g) Date Analyzed: 09/10/2011 16:54
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: 8.6 Level: (low/med) Low
Analysis Batch No.: 30731 Units: ug/Kg
Number TICs Found: 1 TIC Result Total: 9.4

CAS NO.	COMPOUND NAME	RT	RESULT	Q
556-67-2	Cyclotetrasiloxane, octamethyl-	9.66	9.4	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3816.D
 Lims ID: 480-9503-A-3-A Client ID: SB-C8 (3-4)
 Inject. Date: 10-Sep-2011 16:54:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-9503-A-3-A
 Misc. Info.: 480-0005865-010 =480-0005865-010
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 10
 Lims Batch ID: 30731 Lims Sample ID: 10
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F-8260 SOIL.m
 Last Update: 10-Sep-2011 14:47:06 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: BrandtT

Date: 12-Sep-2011 12:34:44

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	95	502926	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	85	235221	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.819	-0.001	95	248288	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.434	5.429	0.006	96	84804	48.0	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	519793	48.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.723	9.730	-0.007	87	178511	47.4	
10 Dichlorodifluoromethane	85		2.088					
12 Chloromethane	50		2.240					
13 Vinyl chloride	62		2.368					
14 Bromomethane	94		2.654					
15 Chloroethane	64		2.733					
17 Trichlorofluoromethane	101		2.958					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.336					
22 1,1-Dichloroethene	96		3.372					
23 Acetone	43		3.427					
26 Carbon disulfide	76		3.591					
27 Methyl acetate	43		3.646					
30 Methylene Chloride	84		3.767					
32 Methyl tert-butyl ether	73		3.920					
34 trans-1,2-Dichloroethene	96		3.956					
39 1,1-Dichloroethane	63		4.297					
43 2-Butanone (MEK)	43		4.747					
45 cis-1,2-Dichloroethene	96		4.759					
50 Chloroform	83		5.002					
51 1,1,1-Trichloroethane	97		5.148					
52 Cyclohexane	56		5.179					
55 Carbon tetrachloride	117		5.282					
57 Benzene	78		5.459					
58 1,2-Dichloroethane	62		5.495					
62 Trichloroethene	95		5.982					
64 Methylcyclohexane	83		6.122					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.207					
68 Dichlorobromomethane	83		6.450					
72 cis-1,3-Dichloropropene	75		6.834					
73 4-Methyl-2-pentanone (MIBK)	43		6.931					
74 Toluene	92		7.126					
77 trans-1,3-Dichloropropene	75		7.351					
79 1,1,2-Trichloroethane	83		7.551					
81 Tetrachloroethene	166		7.655					
80 2-Hexanone	43		7.722					
83 Chlorodibromomethane	129		7.965					
84 Ethylene Dibromide	107		8.099					
87 Chlorobenzene	112		8.549					
88 Ethylbenzene	91		8.610					
90 m-Xylene & p-Xylene	106		8.726					
91 o-Xylene	106		9.158					
92 Styrene	104		9.182					
95 Bromoform	173		9.456					
94 Isopropylbenzene	105		9.516					
97 1,1,2,2-Tetrachloroethane	83		9.881					
111 1,3-Dichlorobenzene	146		10.757					
113 1,4-Dichlorobenzene	146		10.837					
116 1,2-Dichlorobenzene	146		11.177					
117 1,2-Dibromo-3-Chloropropane	75		11.853					
119 1,2,4-Trichlorobenzene	180		12.510					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3816.D
Lims ID: 480-9503-A-3-A Client ID: SB-C8 (3-4)
Inject. Date: 10-Sep-2011 16:54:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-9503-A-3-A
Misc. Info.: 480-0005865-010 =480-0005865-010
Operator: PJQ Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 10
Lims Batch ID: 30731 Lims Sample ID: 10
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F-8260 SOIL.m
Last Update: 10-Sep-2011 14:47:06 Calib Date: 01-Sep-2011 15:38:30
Tic RT Window: 1.500 -0.000 Response: area
Quant By: Nearest ISTD Quant LOD: 10.00000
MS Library: \\Bufchrom\ChromData\Database\NIST98.L
Min. Match: 85
Process Host: CORP-CTX-16

First Level Reviewer: BrandtT

Date: 12-Sep-2011 12:34:44

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.102	5726	1.29	

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
556-67-2	Cyclotetrasiloxane, octamethyl-					
9.656	291251	10.2	2	91	128142	

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 2 Chlorobenzene-d5	8.519	1426263	50.0

QC Flag Legend

Processing Flags

Report Date: 12-Sep-2011 12:34:45

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3816.D

Injection Date: 10-Sep-2011 16:54:30

Limit Group: MV - 8260B ICAL

Client ID: SB-C8 (3-4)

Instrument ID: HP5973F

Lims Batch ID: 30731

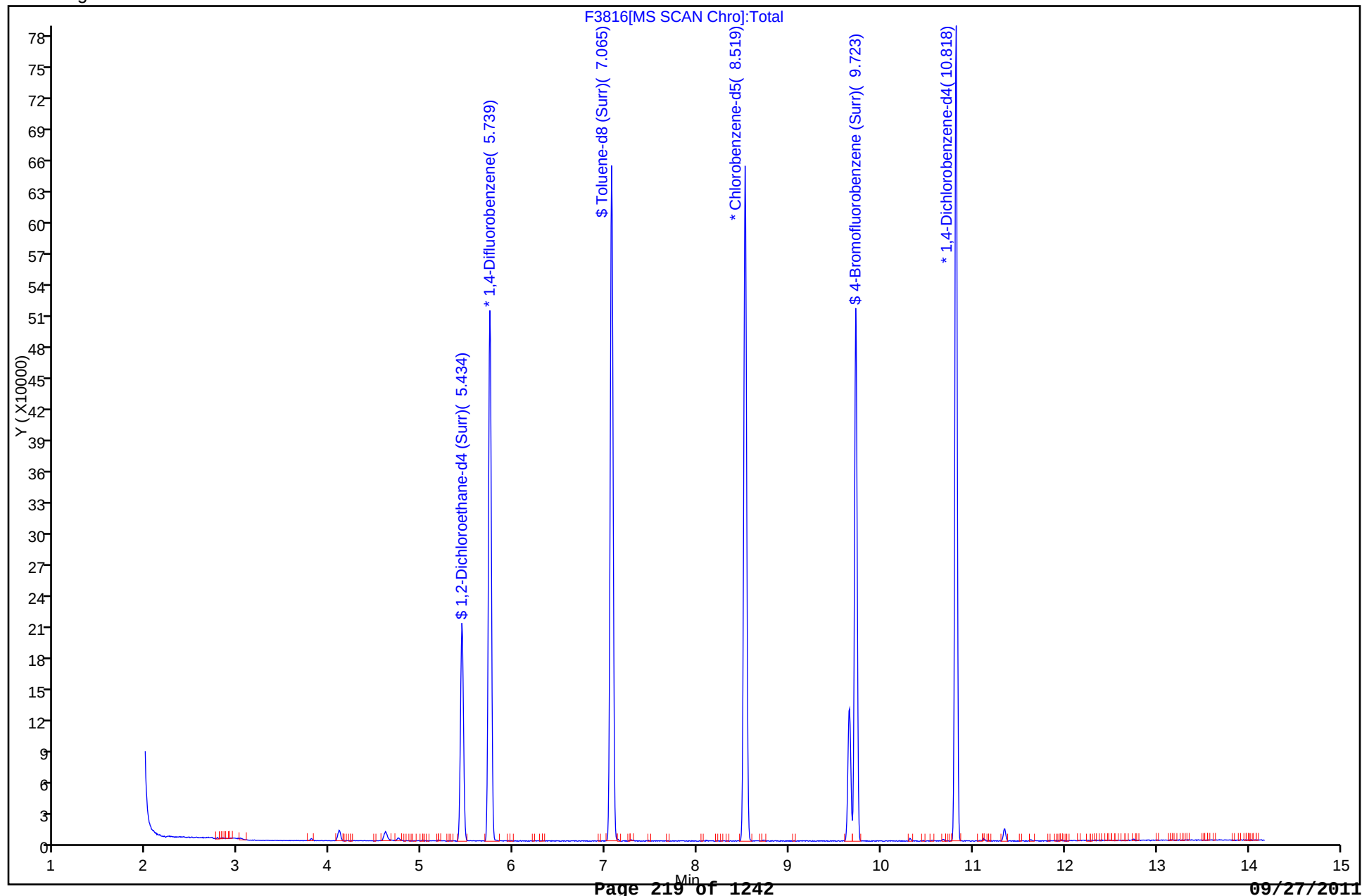
Lims Sample ID: 10

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 12-Sep-2011 12:34:45

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3816.D

Injection Date: 10-Sep-2011 16:54:30

Limit Group: MV - 8260B ICAL

Client ID: SB-C8 (3-4)

Instrument ID: HP5973F

Lims Batch ID: 30731

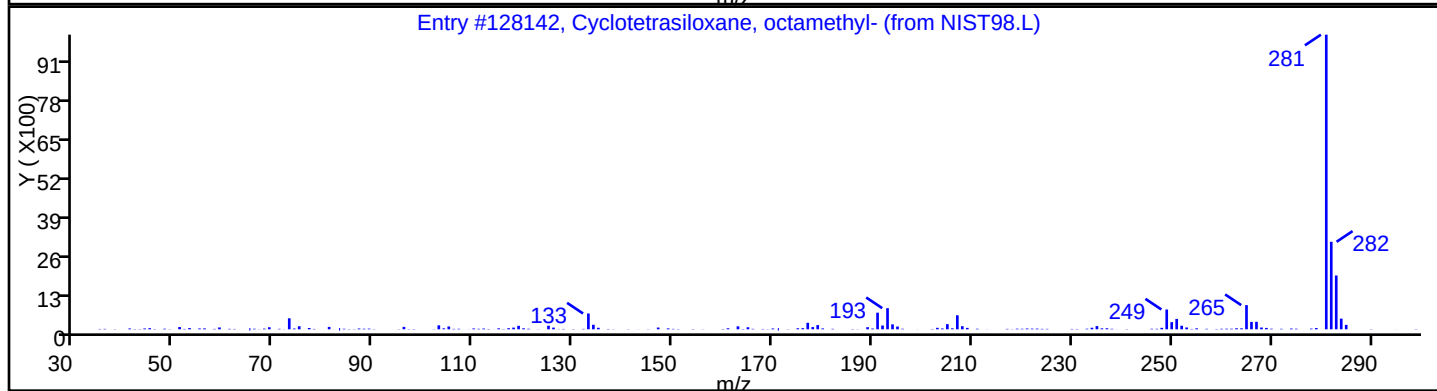
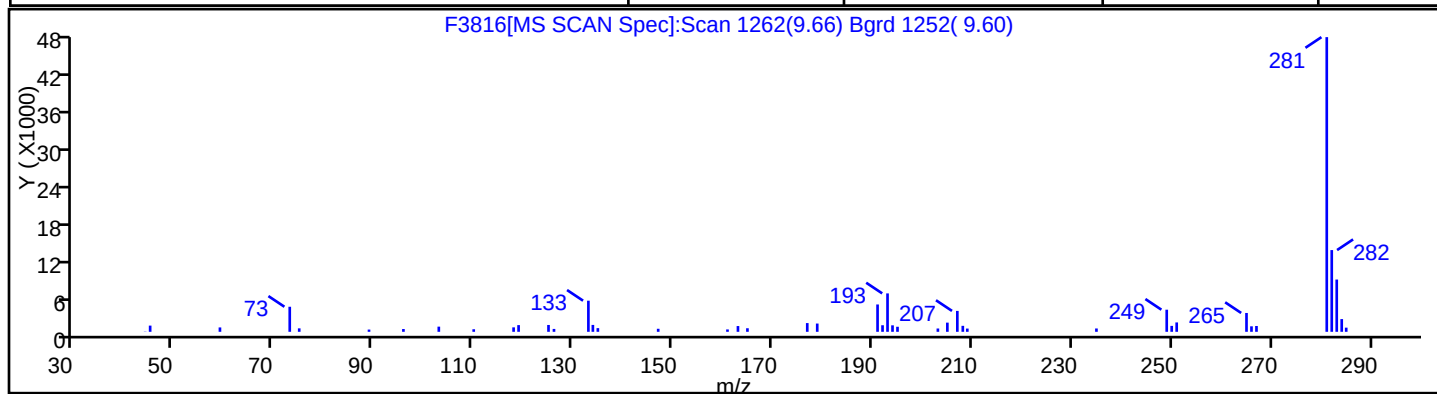
Lims Sample ID: 10

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST98.L	128142	91



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Client Sample ID: SB-C1 (5-8) Lab Sample ID: 480-9503-4

Matrix: Solid Lab File ID: F3817.D

Analysis Method: 8260B Date Collected: 09/06/2011 14:10

Sample wt/vol: 5.7(g) Date Analyzed: 09/10/2011 17:20

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: 18.3 Level: (low/med) Low

Analysis Batch No.: 30731 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.4	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.4	0.87
79-00-5	1,1,2-Trichloroethane	ND		5.4	0.70
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2
75-34-3	1,1-Dichloroethane	ND		5.4	0.65
75-35-4	1,1-Dichloroethene	ND		5.4	0.66
120-82-1	1,2,4-Trichlorobenzene	ND		5.4	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.4	2.7
106-93-4	1,2-Dibromoethane	ND		5.4	0.69
95-50-1	1,2-Dichlorobenzene	ND		5.4	0.42
107-06-2	1,2-Dichloroethane	ND		5.4	0.27
78-87-5	1,2-Dichloropropane	ND		5.4	2.7
541-73-1	1,3-Dichlorobenzene	ND		5.4	0.28
106-46-7	1,4-Dichlorobenzene	ND		5.4	0.75
591-78-6	2-Hexanone	ND		27	2.7
78-93-3	2-Butanone (MEK)	ND		27	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	ND		27	4.5
71-43-2	Benzene	ND		5.4	0.26
75-27-4	Bromodichloromethane	ND		5.4	0.72
75-25-2	Bromoform	ND		5.4	2.7
74-83-9	Bromomethane	ND		5.4	0.48
75-15-0	Carbon disulfide	ND		5.4	2.7
56-23-5	Carbon tetrachloride	6.9		5.4	0.52
108-90-7	Chlorobenzene	ND		5.4	0.71
124-48-1	Dibromochloromethane	ND		5.4	0.69
75-00-3	Chloroethane	ND		5.4	1.2
67-66-3	Chloroform	6.7		5.4	0.33
74-87-3	Chloromethane	ND		5.4	0.32
156-59-2	cis-1,2-Dichloroethene	ND		5.4	0.69
10061-01-5	cis-1,3-Dichloropropene	ND		5.4	0.77
110-82-7	Cyclohexane	ND		5.4	0.75
75-71-8	Dichlorodifluoromethane	ND		5.4	0.44
100-41-4	Ethylbenzene	ND		5.4	0.37
98-82-8	Isopropylbenzene	ND		5.4	0.81

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: SB-C1 (5-8) Lab Sample ID: 480-9503-4
 Matrix: Solid Lab File ID: F3817.D
 Analysis Method: 8260B Date Collected: 09/06/2011 14:10
 Sample wt/vol: 5.7(g) Date Analyzed: 09/10/2011 17:20
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: 18.3 Level: (low/med) Low
 Analysis Batch No.: 30731 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.4	1.0
1634-04-4	Methyl tert-butyl ether	ND		5.4	0.53
108-87-2	Methylcyclohexane	ND		5.4	0.82
75-09-2	Methylene Chloride	ND		5.4	2.5
100-42-5	Styrene	ND		5.4	0.27
127-18-4	Tetrachloroethene	3.8	J	5.4	0.72
108-88-3	Toluene	ND		5.4	0.41
156-60-5	trans-1,2-Dichloroethene	ND		5.4	0.55
10061-02-6	trans-1,3-Dichloropropene	ND		5.4	2.4
79-01-6	Trichloroethene	79		5.4	1.2
75-69-4	Trichlorofluoromethane	ND		5.4	0.51
75-01-4	Vinyl chloride	ND		5.4	0.65
1330-20-7	Xylenes, Total	ND		11	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		64-126
2037-26-5	Toluene-d8 (Surr)	98		71-125
460-00-4	4-Bromofluorobenzene (Surr)	90		72-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: SB-C1 (5-8) Lab Sample ID: 480-9503-4
Matrix: Solid Lab File ID: F3817.D
Analysis Method: 8260B Date Collected: 09/06/2011 14:10
Sample wt/vol: 5.7(g) Date Analyzed: 09/10/2011 17:20
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: 18.3 Level: (low/med) Low
Analysis Batch No.: 30731 Units: ug/Kg
Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3817.D
 Lims ID: 480-9503-A-4-A Client ID: SB-C1 (5-8)
 Inject. Date: 10-Sep-2011 17:20:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-9503-A-4-A
 Misc. Info.: 480-0005865-011 =480-0005865-011
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 11
 Lims Batch ID: 30731 Lims Sample ID: 11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F-8260 SOIL.m
 Last Update: 10-Sep-2011 14:47:06 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: BrandtT

Date: 12-Sep-2011 12:35:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	493016	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	86	225632	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.819	-0.001	95	223929	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.434	5.429	0.006	97	82317	47.6	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	505587	49.1	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.723	9.730	-0.007	86	162798	45.1	
10 Dichlorodifluoromethane	85		2.088					
12 Chloromethane	50		2.240					
13 Vinyl chloride	62		2.368					
14 Bromomethane	94		2.654					
15 Chloroethane	64		2.733					
17 Trichlorofluoromethane	101		2.958					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.336					
22 1,1-Dichloroethene	96		3.372					
23 Acetone	43		3.427					
26 Carbon disulfide	76		3.591					
27 Methyl acetate	43		3.646					
30 Methylene Chloride	84		3.767					
32 Methyl tert-butyl ether	73		3.920					
34 trans-1,2-Dichloroethene	96		3.956					
39 1,1-Dichloroethane	63		4.297					
43 2-Butanone (MEK)	43		4.747					
45 cis-1,2-Dichloroethene	96		4.759					
50 Chloroform	83	5.003	5.002	0.0	86	28018	6.26	
51 1,1,1-Trichloroethane	97		5.148					
52 Cyclohexane	56		5.179					
55 Carbon tetrachloride	117	5.282	5.282	0.0	73	22020	6.45	
57 Benzene	78		5.459					
58 1,2-Dichloroethane	62		5.495					
62 Trichloroethene	95	5.982	5.982	0.0	95	197645	73.9	
64 Methylcyclohexane	83		6.122					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.207					
68 Dichlorobromomethane	83		6.450					
72 cis-1,3-Dichloropropene	75		6.834					
73 4-Methyl-2-pentanone (MIBK)	43		6.931					
74 Toluene	92		7.126					
77 trans-1,3-Dichloropropene	75		7.351					
79 1,1,2-Trichloroethane	83		7.551					
81 Tetrachloroethene	166	7.661	7.655	0.006	82	10459	3.56	
80 2-Hexanone	43		7.722					
83 Chlorodibromomethane	129		7.965					
84 Ethylene Dibromide	107		8.099					
87 Chlorobenzene	112		8.549					
88 Ethylbenzene	91		8.610					
90 m-Xylene & p-Xylene	106		8.726					
91 o-Xylene	106		9.158					
92 Styrene	104		9.182					
95 Bromoform	173		9.456					
94 Isopropylbenzene	105		9.516					
97 1,1,2,2-Tetrachloroethane	83		9.881					
111 1,3-Dichlorobenzene	146		10.757					
113 1,4-Dichlorobenzene	146		10.837					
116 1,2-Dichlorobenzene	146		11.177					
117 1,2-Dibromo-3-Chloropropane	75		11.853					
119 1,2,4-Trichlorobenzene	180		12.510					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 12-Sep-2011 12:35:02

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3817.D

Injection Date: 10-Sep-2011 17:20:30

Limit Group: MV - 8260B ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973F

Lims Batch ID: 30731

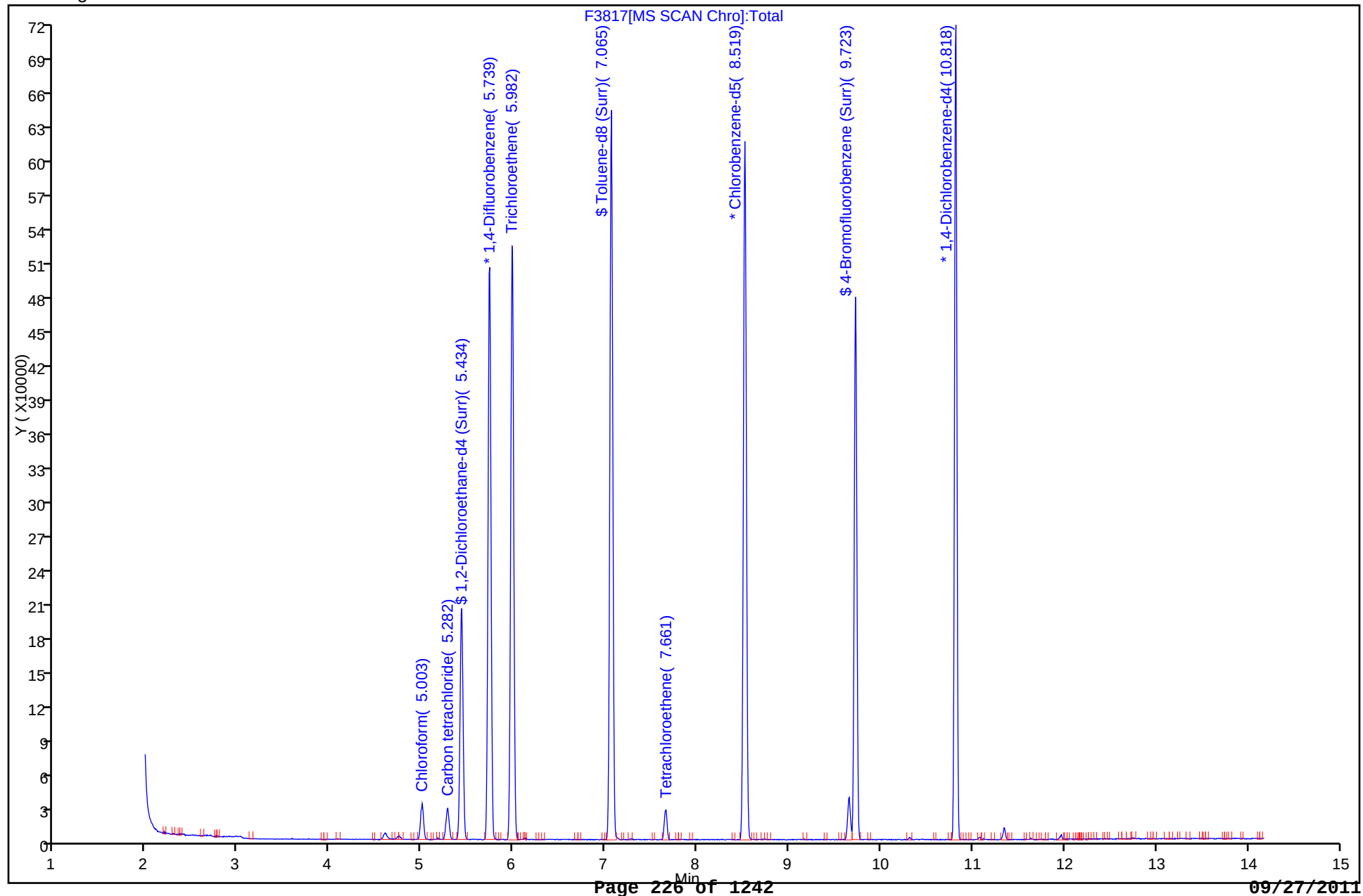
Lims Sample ID: 11

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 12-Sep-2011 12:35:03

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3817.D

Injection Date: 10-Sep-2011 17:20:30

Limit Group: MV - 8260B ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973F

Lims Batch ID: 30731

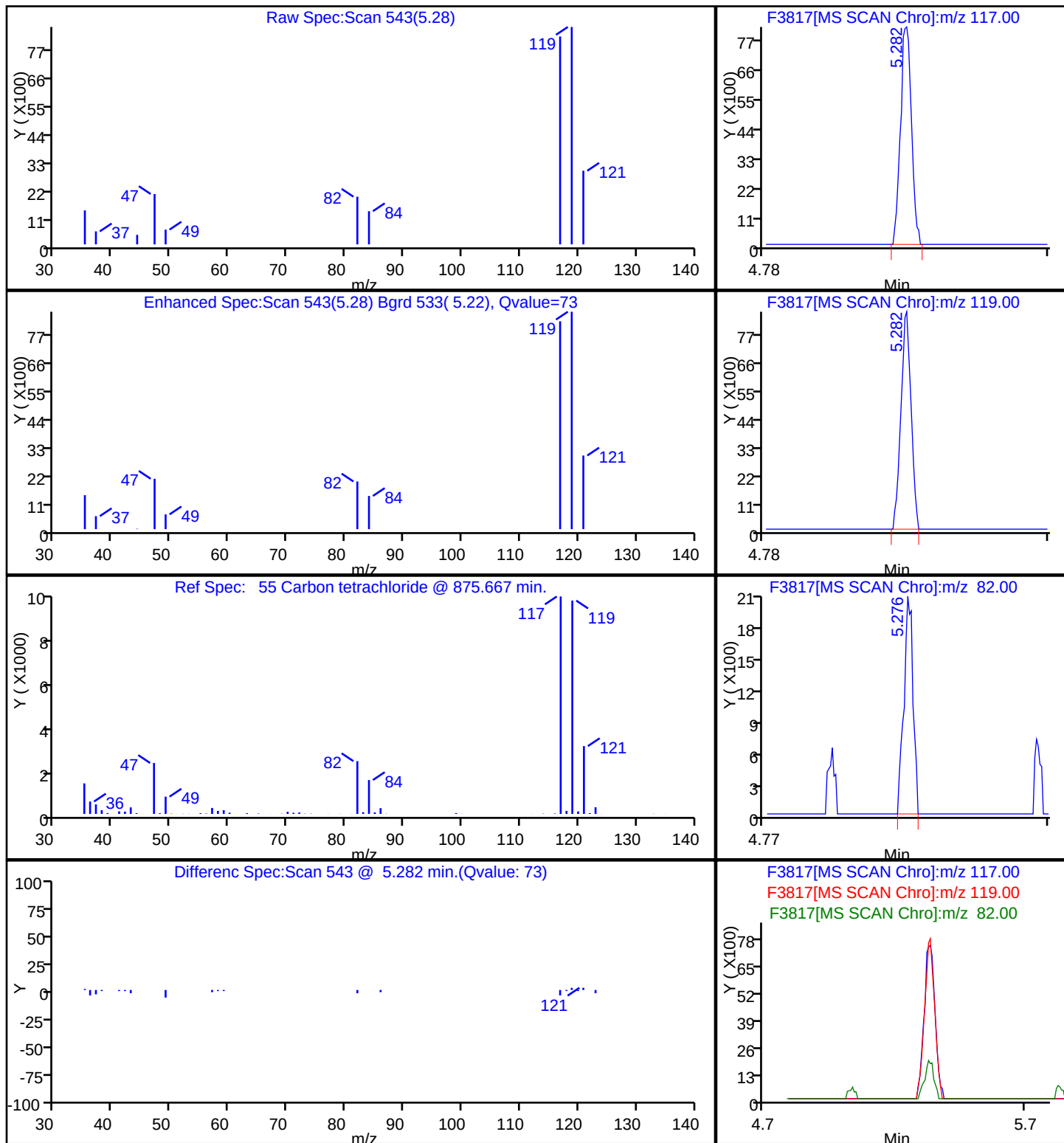
Lims Sample ID: 11

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

55 Carbon tetrachloride



Report Date: 12-Sep-2011 12:35:02

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File:

\\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3817.D

Injection Date: 10-Sep-2011 17:20:30

Limit Group: MV - 8260B ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973F

Lims Batch ID: 30731

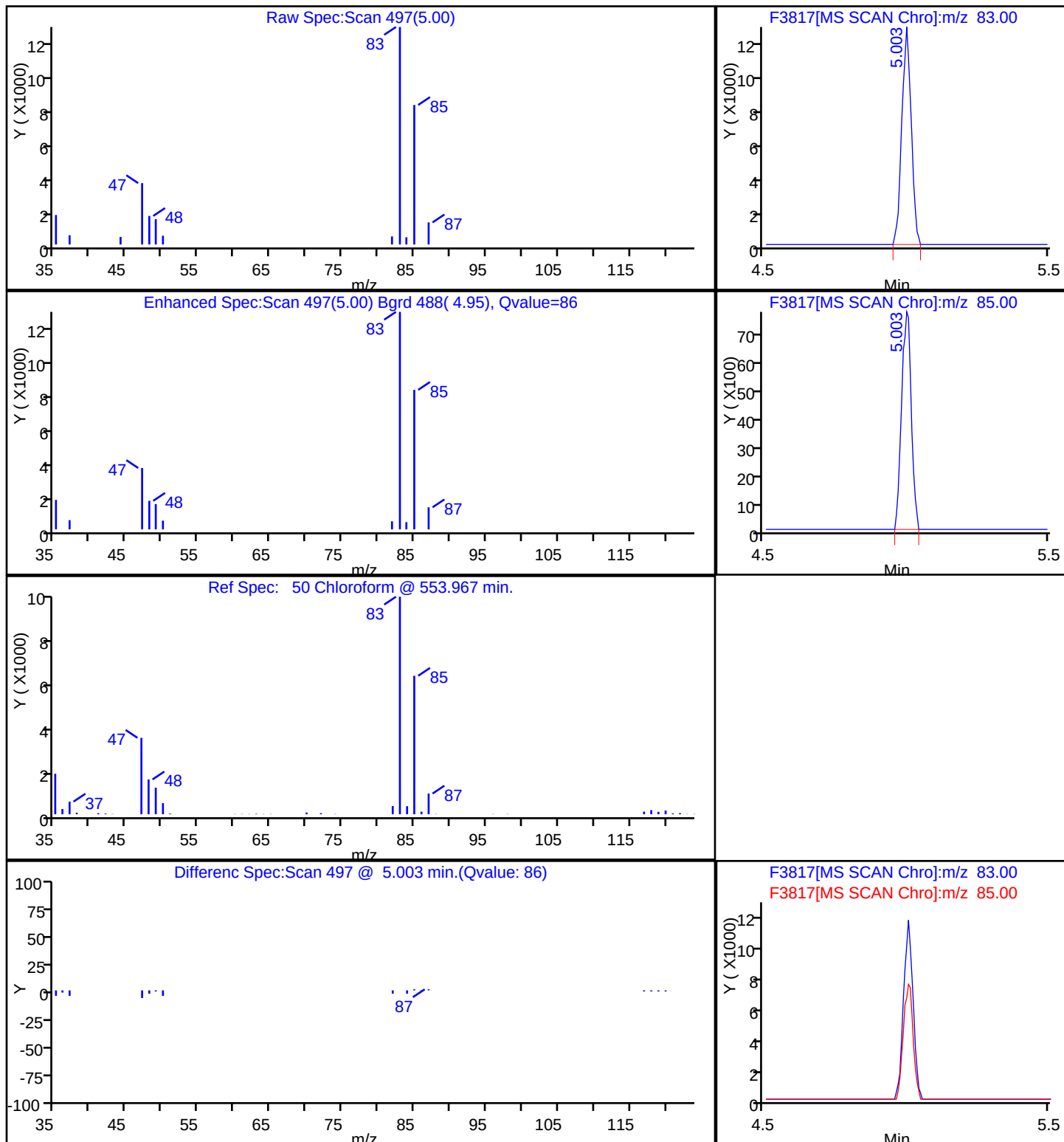
Lims Sample ID: 11

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

50 Chloroform



Report Date: 12-Sep-2011 12:35:03

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3817.D

Injection Date: 10-Sep-2011 17:20:30

Limit Group: MV - 8260B ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973F

Lims Batch ID: 30731

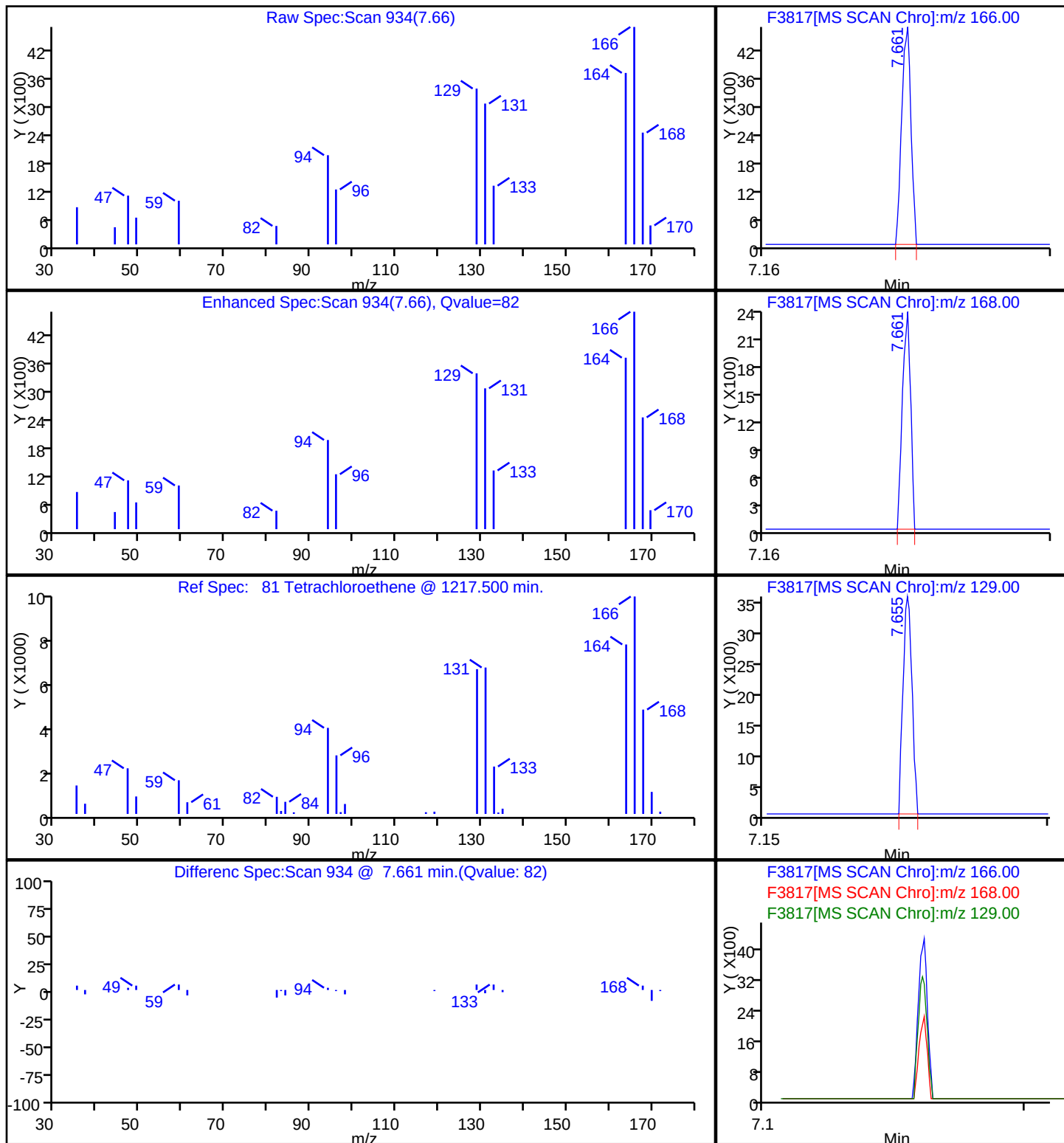
Lims Sample ID: 11

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

81 Tetrachloroethene



Report Date: 12-Sep-2011 12:35:03

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3817.D

Injection Date: 10-Sep-2011 17:20:30

Limit Group: MV - 8260B ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973F

Lims Batch ID: 30731

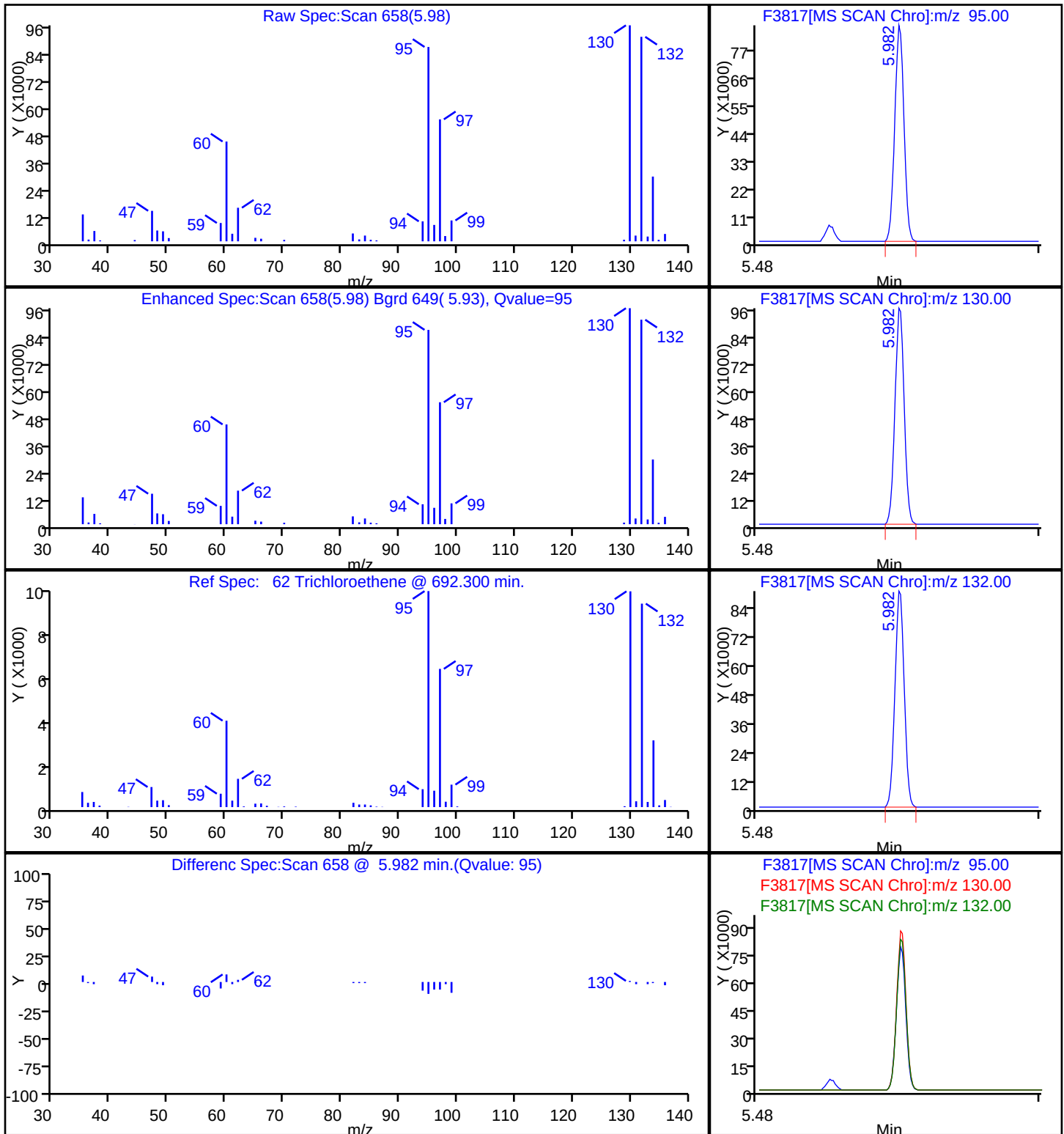
Lims Sample ID: 11

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

62 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Client Sample ID: DUP-01 Lab Sample ID: 480-9503-5

Matrix: Solid Lab File ID: F3818.D

Analysis Method: 8260B Date Collected: 09/06/2011 10:00

Sample wt/vol: 6.804(g) Date Analyzed: 09/10/2011 17:45

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 15.2 Level: (low/med) Low

Analysis Batch No.: 30731 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.3	0.31
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.3	0.70
79-00-5	1,1,2-Trichloroethane	ND		4.3	0.56
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.3	0.99
75-34-3	1,1-Dichloroethane	ND		4.3	0.53
75-35-4	1,1-Dichloroethene	ND		4.3	0.53
120-82-1	1,2,4-Trichlorobenzene	ND		4.3	0.26
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.3	2.2
106-93-4	1,2-Dibromoethane	ND		4.3	0.56
95-50-1	1,2-Dichlorobenzene	ND		4.3	0.34
107-06-2	1,2-Dichloroethane	ND		4.3	0.22
78-87-5	1,2-Dichloropropane	ND		4.3	2.2
541-73-1	1,3-Dichlorobenzene	ND		4.3	0.22
106-46-7	1,4-Dichlorobenzene	ND		4.3	0.61
591-78-6	2-Hexanone	ND		22	2.2
78-93-3	2-Butanone (MEK)	ND		22	1.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		22	1.4
67-64-1	Acetone	ND		22	3.6
71-43-2	Benzene	ND		4.3	0.21
75-27-4	Bromodichloromethane	ND		4.3	0.58
75-25-2	Bromoform	ND		4.3	2.2
74-83-9	Bromomethane	ND		4.3	0.39
75-15-0	Carbon disulfide	ND		4.3	2.2
56-23-5	Carbon tetrachloride	ND		4.3	0.42
108-90-7	Chlorobenzene	ND		4.3	0.57
124-48-1	Dibromochloromethane	ND		4.3	0.55
75-00-3	Chloroethane	ND		4.3	0.98
67-66-3	Chloroform	ND		4.3	0.27
74-87-3	Chloromethane	ND		4.3	0.26
156-59-2	cis-1,2-Dichloroethene	ND		4.3	0.55
10061-01-5	cis-1,3-Dichloropropene	ND		4.3	0.62
110-82-7	Cyclohexane	ND		4.3	0.61
75-71-8	Dichlorodifluoromethane	ND		4.3	0.36
100-41-4	Ethylbenzene	ND		4.3	0.30
98-82-8	Isopropylbenzene	ND		4.3	0.65

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: DUP-01 Lab Sample ID: 480-9503-5
 Matrix: Solid Lab File ID: F3818.D
 Analysis Method: 8260B Date Collected: 09/06/2011 10:00
 Sample wt/vol: 6.804(g) Date Analyzed: 09/10/2011 17:45
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: 15.2 Level: (low/med) Low
 Analysis Batch No.: 30731 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.3	0.81
1634-04-4	Methyl tert-butyl ether	ND		4.3	0.43
108-87-2	Methylcyclohexane	ND		4.3	0.66
75-09-2	Methylene Chloride	ND		4.3	2.0
100-42-5	Styrene	ND		4.3	0.22
127-18-4	Tetrachloroethene	ND		4.3	0.58
108-88-3	Toluene	ND		4.3	0.33
156-60-5	trans-1,2-Dichloroethene	ND		4.3	0.45
10061-02-6	trans-1,3-Dichloropropene	ND		4.3	1.9
79-01-6	Trichloroethene	3.1	J	4.3	0.95
75-69-4	Trichlorofluoromethane	ND		4.3	0.41
75-01-4	Vinyl chloride	ND		4.3	0.53
1330-20-7	Xylenes, Total	ND		8.7	0.73

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		64-126
2037-26-5	Toluene-d8 (Surr)	97		71-125
460-00-4	4-Bromofluorobenzene (Surr)	92		72-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: DUP-01 Lab Sample ID: 480-9503-5
Matrix: Solid Lab File ID: F3818.D
Analysis Method: 8260B Date Collected: 09/06/2011 10:00
Sample wt/vol: 6.804(g) Date Analyzed: 09/10/2011 17:45
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: 15.2 Level: (low/med) Low
Analysis Batch No.: 30731 Units: ug/Kg
Number TICs Found: 1 TIC Result Total: 15

CAS NO.	COMPOUND NAME	RT	RESULT	Q
556-67-2	Cyclotetrasiloxane, octamethyl-	9.66	15	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3818.D
 Lims ID: 480-9503-A-5-A Client ID: DUP-01
 Inject. Date: 10-Sep-2011 17:45:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-9503-A-5-A
 Misc. Info.: 480-0005865-012 =480-0005865-012
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 30731 Lims Sample ID: 12
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F-8260 SOIL.m
 Last Update: 10-Sep-2011 14:47:06 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: BrandtT

Date: 12-Sep-2011 12:35:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	495161	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	84	231322	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.819	10.819	0.0	95	233298	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.428	5.429	0.0	96	83549	48.1	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	512743	48.5	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.730	9.730	0.0	89	170276	46.0	
10 Dichlorodifluoromethane	85		2.088					
12 Chloromethane	50		2.240					
13 Vinyl chloride	62		2.368					
14 Bromomethane	94		2.654					
15 Chloroethane	64		2.733					
17 Trichlorofluoromethane	101		2.958					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.336					
22 1,1-Dichloroethene	96		3.372					
23 Acetone	43		3.427					
26 Carbon disulfide	76		3.591					
27 Methyl acetate	43		3.646					
30 Methylene Chloride	84		3.767					
32 Methyl tert-butyl ether	73		3.920					
34 trans-1,2-Dichloroethene	96		3.956					
39 1,1-Dichloroethane	63		4.297					
43 2-Butanone (MEK)	43		4.747					
45 cis-1,2-Dichloroethene	96		4.759					
50 Chloroform	83		5.002					
51 1,1,1-Trichloroethane	97		5.148					
52 Cyclohexane	56		5.179					
55 Carbon tetrachloride	117		5.282					
57 Benzene	78		5.459					
58 1,2-Dichloroethane	62		5.495					
62 Trichloroethene	95	5.988	5.982	0.006	69	9690	3.60	
64 Methylcyclohexane	83		6.122					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.207					
68 Dichlorobromomethane	83		6.450					
72 cis-1,3-Dichloropropene	75		6.834					
73 4-Methyl-2-pentanone (MIBK)	43		6.931					
74 Toluene	92		7.126					
77 trans-1,3-Dichloropropene	75		7.351					
79 1,1,2-Trichloroethane	83		7.551					
81 Tetrachloroethene	166	7.661	7.655	0.006	30	1647	0.5462	
80 2-Hexanone	43		7.722					
83 Chlorodibromomethane	129		7.965					
84 Ethylene Dibromide	107		8.099					
87 Chlorobenzene	112		8.549					
88 Ethylbenzene	91		8.610					
90 m-Xylene & p-Xylene	106		8.726					
91 o-Xylene	106		9.158					
92 Styrene	104		9.182					
95 Bromoform	173		9.456					
94 Isopropylbenzene	105		9.516					
97 1,1,2,2-Tetrachloroethane	83		9.881					
111 1,3-Dichlorobenzene	146		10.757					
113 1,4-Dichlorobenzene	146		10.837					
116 1,2-Dichlorobenzene	146		11.177					
117 1,2-Dibromo-3-Chloropropane	75		11.853					
119 1,2,4-Trichlorobenzene	180		12.510					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3818.D
 Lims ID: 480-9503-A-5-A Client ID: DUP-01
 Inject. Date: 10-Sep-2011 17:45:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-9503-A-5-A
 Misc. Info.: 480-0005865-012 =480-0005865-012
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 30731 Lims Sample ID: 12
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F-8260 SOIL.m
 Last Update: 10-Sep-2011 14:47:06 Calib Date: 01-Sep-2011 15:38:30
 Tic RT Window: 1.500 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\Bufchrom\ChromData\Database\NIST98.L
 Min. Match: 85
 Process Host: CORP-CTX-16

First Level Reviewer: BrandtT

Date: 12-Sep-2011 12:35:17

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags

556-67-2 Cyclotetrasiloxane, octamethyl-
 9.657 476252 17.0 2 87 128142

Quantitation Compounds

Compound	RT	Response	Amount ug/kg

* 2 Chlorobenzene-d5 8.519 1396948 50.0

QC Flag Legend

Processing Flags

Report Date: 12-Sep-2011 12:35:17

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3818.D

Injection Date: 10-Sep-2011 17:45:30

Limit Group: MV - 8260B ICAL

Client ID: DUP-01

Instrument ID: HP5973F

Lims Batch ID: 30731

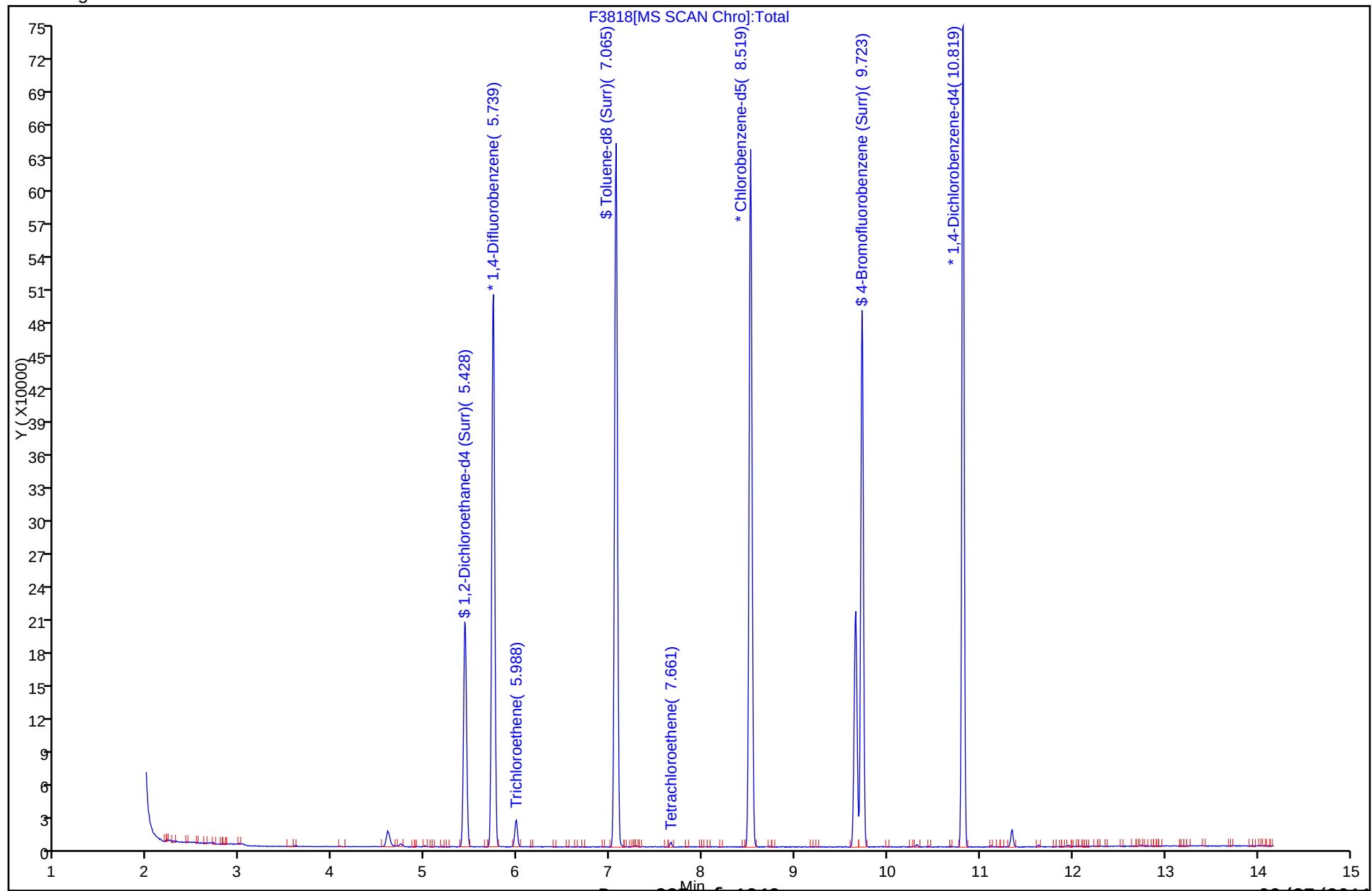
Lims Sample ID: 12

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 12-Sep-2011 12:35:17

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3818.D

Injection Date: 10-Sep-2011 17:45:30

Limit Group: MV - 8260B ICAL

Client ID: DUP-01

Instrument ID: HP5973F

Lims Batch ID: 30731

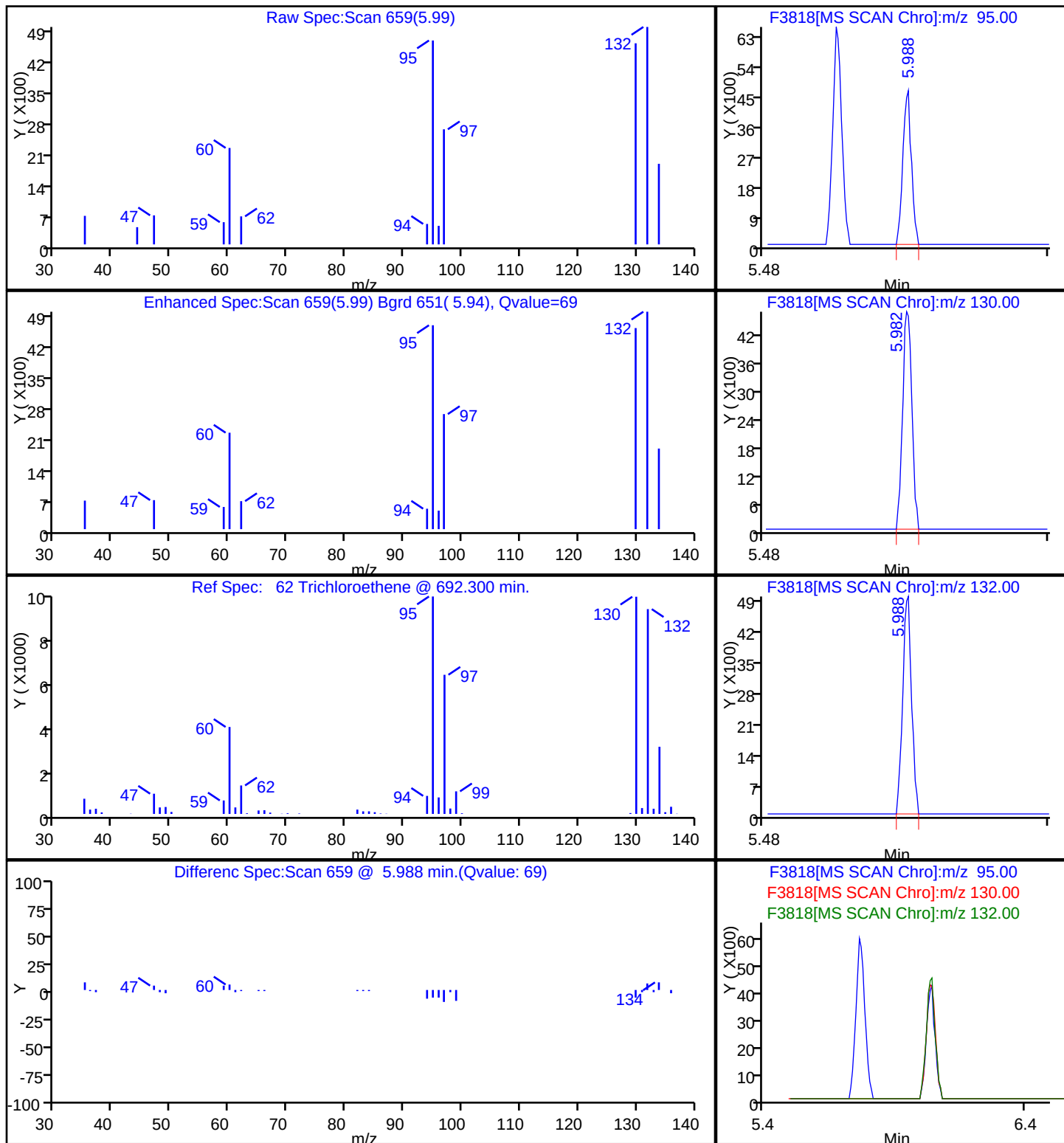
Lims Sample ID: 12

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

62 Trichloroethene



Report Date: 12-Sep-2011 12:35:17

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3818.D

Injection Date: 10-Sep-2011 17:45:30

Limit Group: MV - 8260B ICAL

Client ID: DUP-01

Instrument ID: HP5973F

Lims Batch ID: 30731

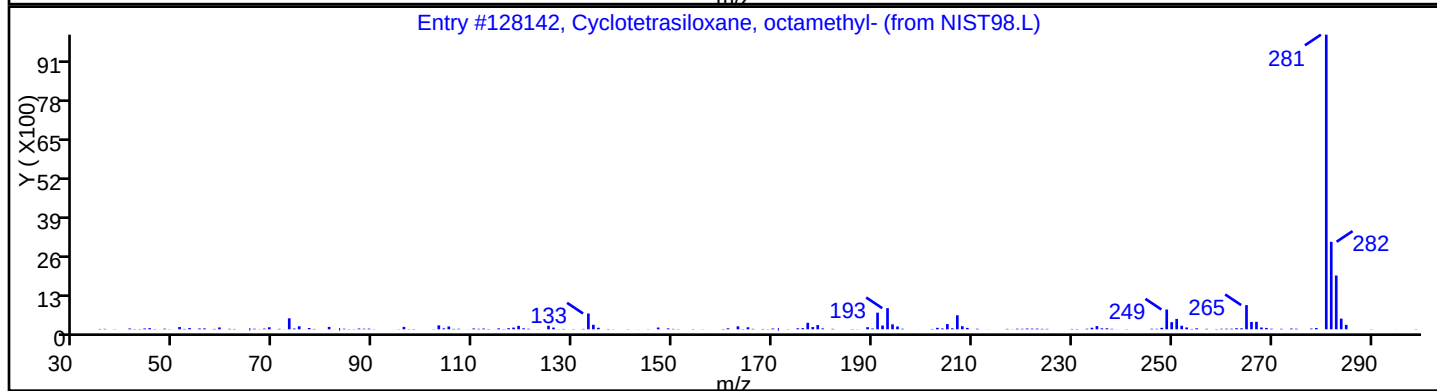
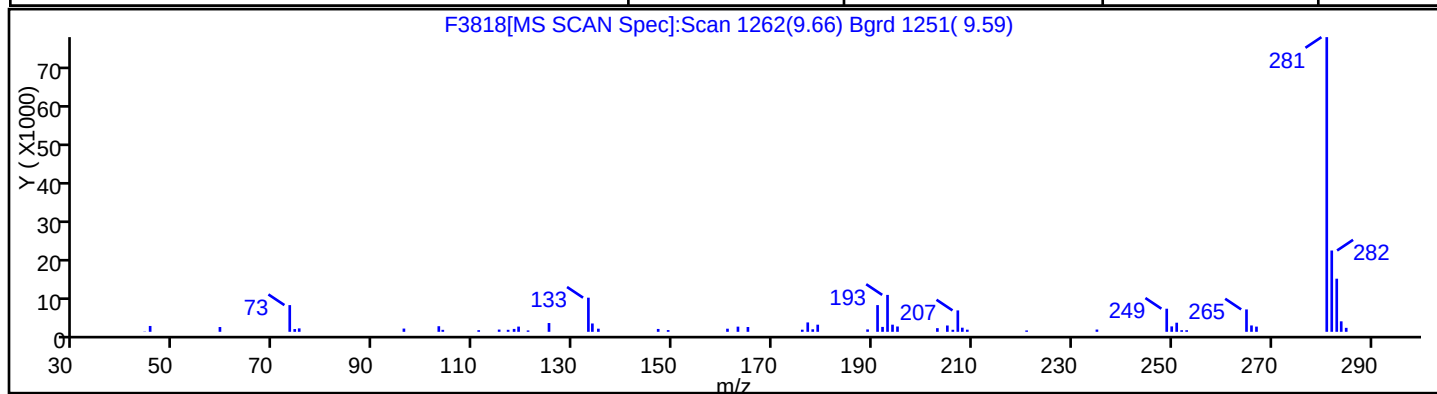
Lims Sample ID: 12

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST98.L	128142	87



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Client Sample ID: SB-B1 (5-9) Lab Sample ID: 480-9503-6

Matrix: Solid Lab File ID: F3819.D

Analysis Method: 8260B Date Collected: 09/07/2011 07:50

Sample wt/vol: 8.018(g) Date Analyzed: 09/10/2011 18:11

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: 18.2 Level: (low/med) Low

Analysis Batch No.: 30731 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		3.8	0.28
79-34-5	1,1,2,2-Tetrachloroethane	ND		3.8	0.62
79-00-5	1,1,2-Trichloroethane	ND		3.8	0.50
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.8	0.87
75-34-3	1,1-Dichloroethane	ND		3.8	0.46
75-35-4	1,1-Dichloroethene	ND		3.8	0.47
120-82-1	1,2,4-Trichlorobenzene	ND		3.8	0.23
96-12-8	1,2-Dibromo-3-Chloropropane	ND		3.8	1.9
106-93-4	1,2-Dibromoethane	ND		3.8	0.49
95-50-1	1,2-Dichlorobenzene	ND		3.8	0.30
107-06-2	1,2-Dichloroethane	ND		3.8	0.19
78-87-5	1,2-Dichloropropane	ND		3.8	1.9
541-73-1	1,3-Dichlorobenzene	ND		3.8	0.20
106-46-7	1,4-Dichlorobenzene	ND		3.8	0.53
591-78-6	2-Hexanone	ND		19	1.9
78-93-3	2-Butanone (MEK)	ND		19	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		19	1.2
67-64-1	Acetone	23		19	3.2
71-43-2	Benzene	ND		3.8	0.19
75-27-4	Bromodichloromethane	ND		3.8	0.51
75-25-2	Bromoform	ND		3.8	1.9
74-83-9	Bromomethane	ND		3.8	0.34
75-15-0	Carbon disulfide	ND		3.8	1.9
56-23-5	Carbon tetrachloride	ND		3.8	0.37
108-90-7	Chlorobenzene	ND		3.8	0.50
124-48-1	Dibromochloromethane	ND		3.8	0.49
75-00-3	Chloroethane	ND		3.8	0.86
67-66-3	Chloroform	ND		3.8	0.24
74-87-3	Chloromethane	ND		3.8	0.23
156-59-2	cis-1,2-Dichloroethene	ND		3.8	0.49
10061-01-5	cis-1,3-Dichloropropene	ND		3.8	0.55
110-82-7	Cyclohexane	ND		3.8	0.53
75-71-8	Dichlorodifluoromethane	ND		3.8	0.31
100-41-4	Ethylbenzene	1.8	J	3.8	0.26
98-82-8	Isopropylbenzene	ND		3.8	0.57

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: SB-B1 (5-9) Lab Sample ID: 480-9503-6
 Matrix: Solid Lab File ID: F3819.D
 Analysis Method: 8260B Date Collected: 09/07/2011 07:50
 Sample wt/vol: 8.018(g) Date Analyzed: 09/10/2011 18:11
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: 18.2 Level: (low/med) Low
 Analysis Batch No.: 30731 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		3.8	0.71
1634-04-4	Methyl tert-butyl ether	ND		3.8	0.37
108-87-2	Methylcyclohexane	ND		3.8	0.58
75-09-2	Methylene Chloride	ND		3.8	1.8
100-42-5	Styrene	ND		3.8	0.19
127-18-4	Tetrachloroethene	ND		3.8	0.51
108-88-3	Toluene	0.42	J	3.8	0.29
156-60-5	trans-1,2-Dichloroethene	ND		3.8	0.39
10061-02-6	trans-1,3-Dichloropropene	ND		3.8	1.7
79-01-6	Trichloroethene	ND		3.8	0.84
75-69-4	Trichlorofluoromethane	ND		3.8	0.36
75-01-4	Vinyl chloride	ND		3.8	0.46
1330-20-7	Xylenes, Total	6.6	J	7.6	0.64

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		64-126
2037-26-5	Toluene-d8 (Surr)	93		71-125
460-00-4	4-Bromofluorobenzene (Surr)	96		72-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: SB-B1 (5-9) Lab Sample ID: 480-9503-6
 Matrix: Solid Lab File ID: F3819.D
 Analysis Method: 8260B Date Collected: 09/07/2011 07:50
 Sample wt/vol: 8.018(g) Date Analyzed: 09/10/2011 18:11
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: 18.2 Level: (low/med) Low
 Analysis Batch No.: 30731 Units: ug/Kg
 Number TICs Found: 10 TIC Result Total: 479

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	9.04	27	T J
	Unknown	9.31	30	T J
	Unknown	9.83	31	T J
	Unknown	10.61	71	T J
91-17-8	Naphthalene, decahydro-	11.10	110	T J N
	Unknown	11.51	40	T J
464-48-2	Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimet	11.63	56	T J N
	Unknown	11.81	38	T J
6682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethyl-	12.46	28	T J N
	Unknown	12.53	48	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3819.D
 Lims ID: 480-9503-B-6-A Client ID: SB-B1 (5-9)
 Inject. Date: 10-Sep-2011 18:11:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-9503-B-6-A
 Misc. Info.: 480-0005865-013 =480-0005865-013
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 30731 Lims Sample ID: 13
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F-8260 SOIL.m
 Last Update: 10-Sep-2011 14:47:06 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: BrandtT

Date: 12-Sep-2011 12:36:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	95	495206	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	83	241443	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.819	-0.001	91	256907	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.434	5.429	0.006	96	86029	49.5	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	92	513216	46.5	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.723	9.730	-0.007	86	184618	47.8	
10 Dichlorodifluoromethane	85		2.088					
12 Chloromethane	50		2.240					
13 Vinyl chloride	62		2.368					
14 Bromomethane	94		2.654					
15 Chloroethane	64		2.733					
17 Trichlorofluoromethane	101		2.958					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.336					
22 1,1-Dichloroethene	96		3.372					
23 Acetone	43	3.427	3.427	0.0	92	35355	30.5	
26 Carbon disulfide	76		3.591					
27 Methyl acetate	43		3.646					
30 Methylene Chloride	84		3.767					
32 Methyl tert-butyl ether	73		3.920					
34 trans-1,2-Dichloroethene	96		3.956					
39 1,1-Dichloroethane	63		4.297					
43 2-Butanone (MEK)	43		4.747					
45 cis-1,2-Dichloroethene	96		4.759					
50 Chloroform	83		5.002					
51 1,1,1-Trichloroethane	97		5.148					
52 Cyclohexane	56		5.179					
55 Carbon tetrachloride	117		5.282					
57 Benzene	78		5.459					
58 1,2-Dichloroethane	62		5.495					
62 Trichloroethene	95		5.982					
64 Methylcyclohexane	83		6.122					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.207					
68 Dichlorobromomethane	83		6.450					
72 cis-1,3-Dichloropropene	75		6.834					
73 4-Methyl-2-pentanone (MIBK)	43		6.931					
74 Toluene	92	7.126	7.126	0.0	42	4032	0.5492	
77 trans-1,3-Dichloropropene	75		7.351					
79 1,1,2-Trichloroethane	83		7.551					
81 Tetrachloroethene	166		7.655					
80 2-Hexanone	43		7.722					
83 Chlorodibromomethane	129		7.965					
84 Ethylene Dibromide	107		8.099					
87 Chlorobenzene	112		8.549					
88 Ethylbenzene	91	8.610	8.610	0.0	55	31737	2.39	
90 m-Xylene & p-Xylene	106	8.726	8.726	0.0	95	35418	6.47	
91 o-Xylene	106	9.164	9.158	0.006	43	11767	2.21	
92 Styrene	104		9.182					
95 Bromoform	173		9.456					
94 Isopropylbenzene	105		9.516					
97 1,1,2,2-Tetrachloroethane	83		9.881					
111 1,3-Dichlorobenzene	146		10.757					
113 1,4-Dichlorobenzene	146		10.837					
116 1,2-Dichlorobenzene	146		11.177					
117 1,2-Dibromo-3-Chloropropane	75		11.853					
119 1,2,4-Trichlorobenzene	180		12.510					
S 124 Xylenes, Total	1				0		8.67	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3819.D
Lims ID: 480-9503-B-6-A Client ID: SB-B1 (5-9)
Inject. Date: 10-Sep-2011 18:11:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-9503-B-6-A
Misc. Info.: 480-0005865-013 =480-0005865-013
Operator: PJQ Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 13
Lims Batch ID: 30731 Lims Sample ID: 13
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F-8260 SOIL.m
Last Update: 10-Sep-2011 14:47:06 Calib Date: 01-Sep-2011 15:38:30
Tic RT Window: 1.500 -0.000 Response: area
Quant By: Nearest ISTD Quant LOD: 10.00000
MS Library: \\Bufchrom\ChromData\Database\NIST98.L
Min. Match: 85
Process Host: CORP-CTX-16

First Level Reviewer: BrandtT

Date: 12-Sep-2011 12:36:08

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
9.042	1050070	35.3	2			
	Unknown					
9.310	1175566	39.6	2			
	Unknown					
9.827	1272944	41.0	3			
	Unknown					
10.605	2890552	93.1	3			
	91-17-8 Naphthalene, decahydro-					
11.098	4497773	144.9	3	97	62682	
	Unknown					
11.512	1625169	52.4	3			
	464-48-2 Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimet					
11.628	2288401	73.7	3	90	118181	
	Unknown					
11.810	1550965	50.0	3			
	6682-71-9 1H-Indene, 2,3-dihydro-4,7-dimethyl-					
12.455	1145086	36.9	3	94	59373	
	Unknown					
12.528	1936633	62.4	3			

Quantitation Compounds

Compound	RT	Response	Amount ug/kg

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3819.D

Compound	RT	Response	Amount ug/kg
* 2 Chlorobenzene-d5	8.519	1485528	50.0
* 3 1,4-Dichlorobenzene-d4	10.818	1552092	50.0

QC Flag Legend

Processing Flags

Report Date: 12-Sep-2011 12:46:14

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3819.D

Injection Date: 10-Sep-2011 18:11:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 30731

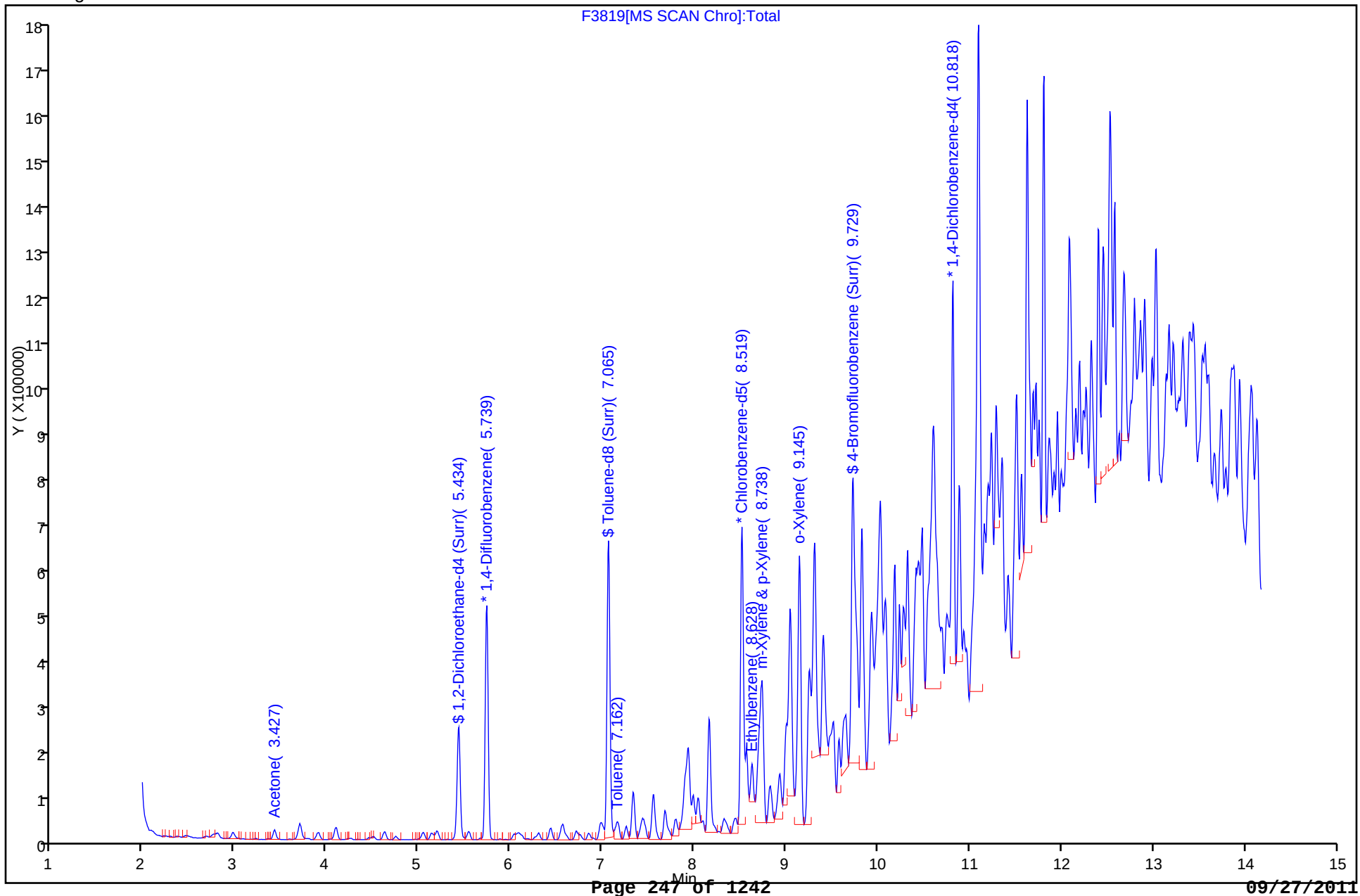
Lims Sample ID: 13

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 12-Sep-2011 12:46:14

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3819.D

Injection Date: 10-Sep-2011 18:11:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 30731

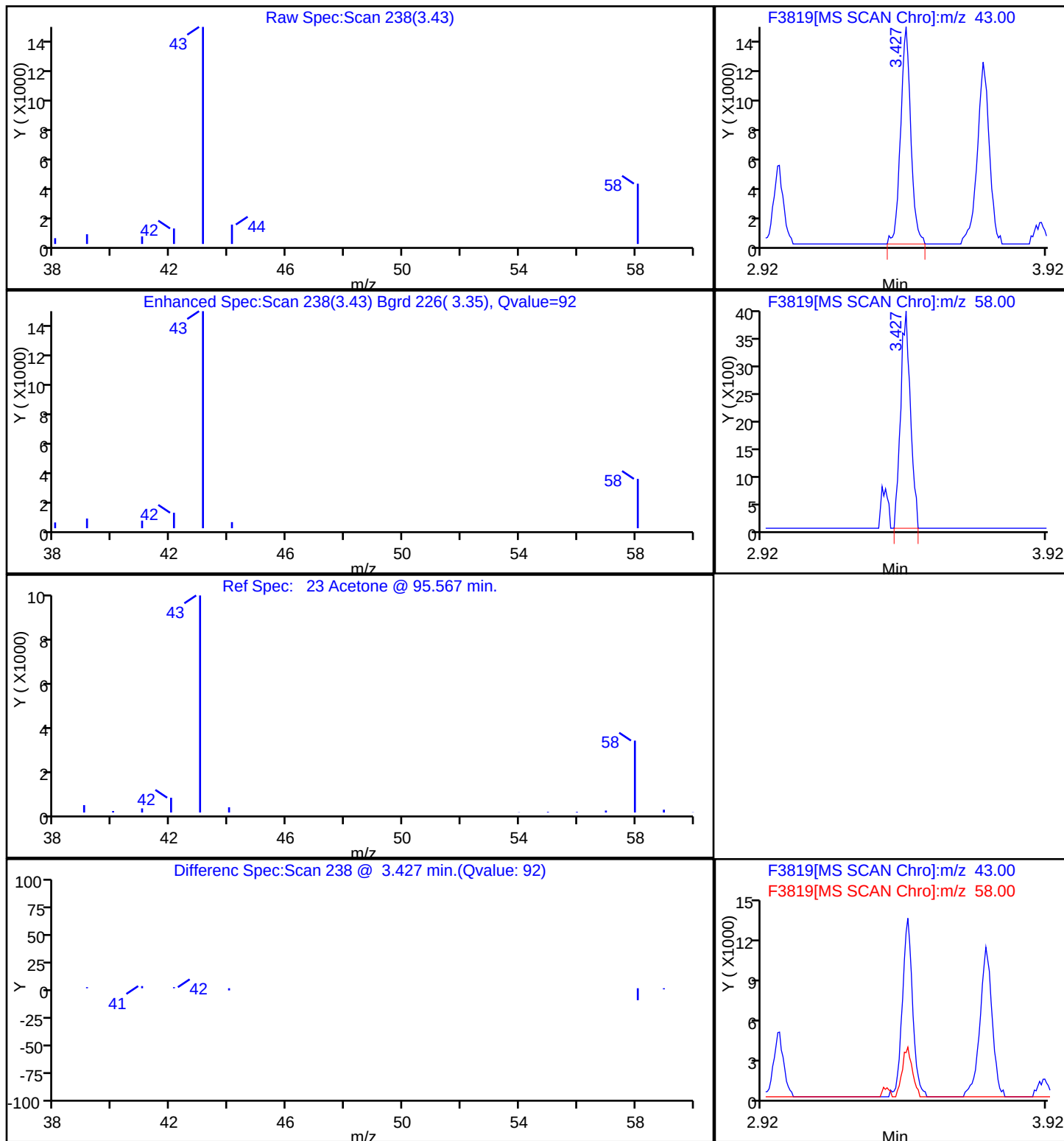
Lims Sample ID: 13

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

23 Acetone



Report Date: 12-Sep-2011 12:46:14

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3819.D

Injection Date: 10-Sep-2011 18:11:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 30731

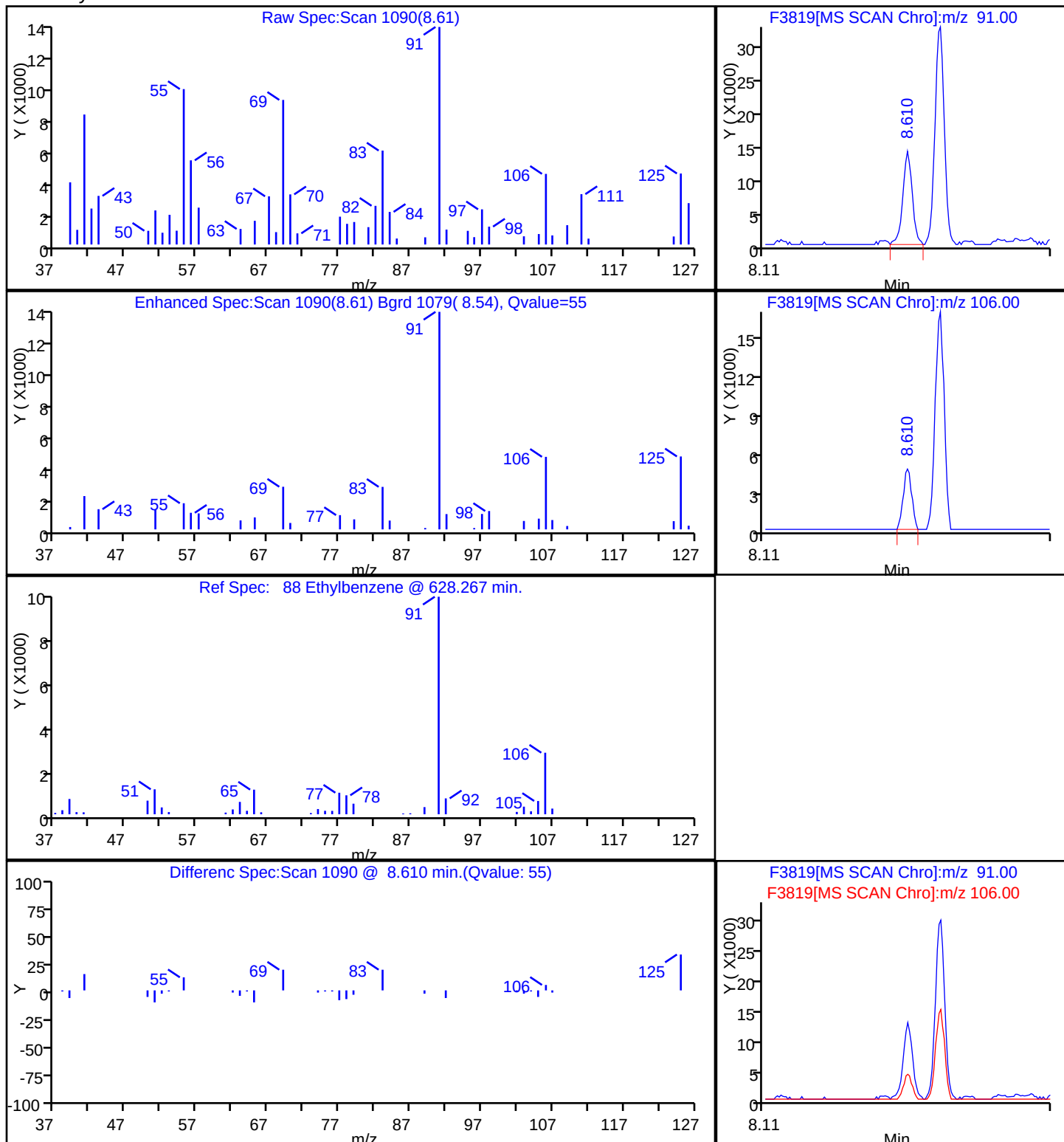
Lims Sample ID: 13

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

88 Ethylbenzene



Report Date: 12-Sep-2011 12:46:14

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3819.D

Injection Date: 10-Sep-2011 18:11:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 30731

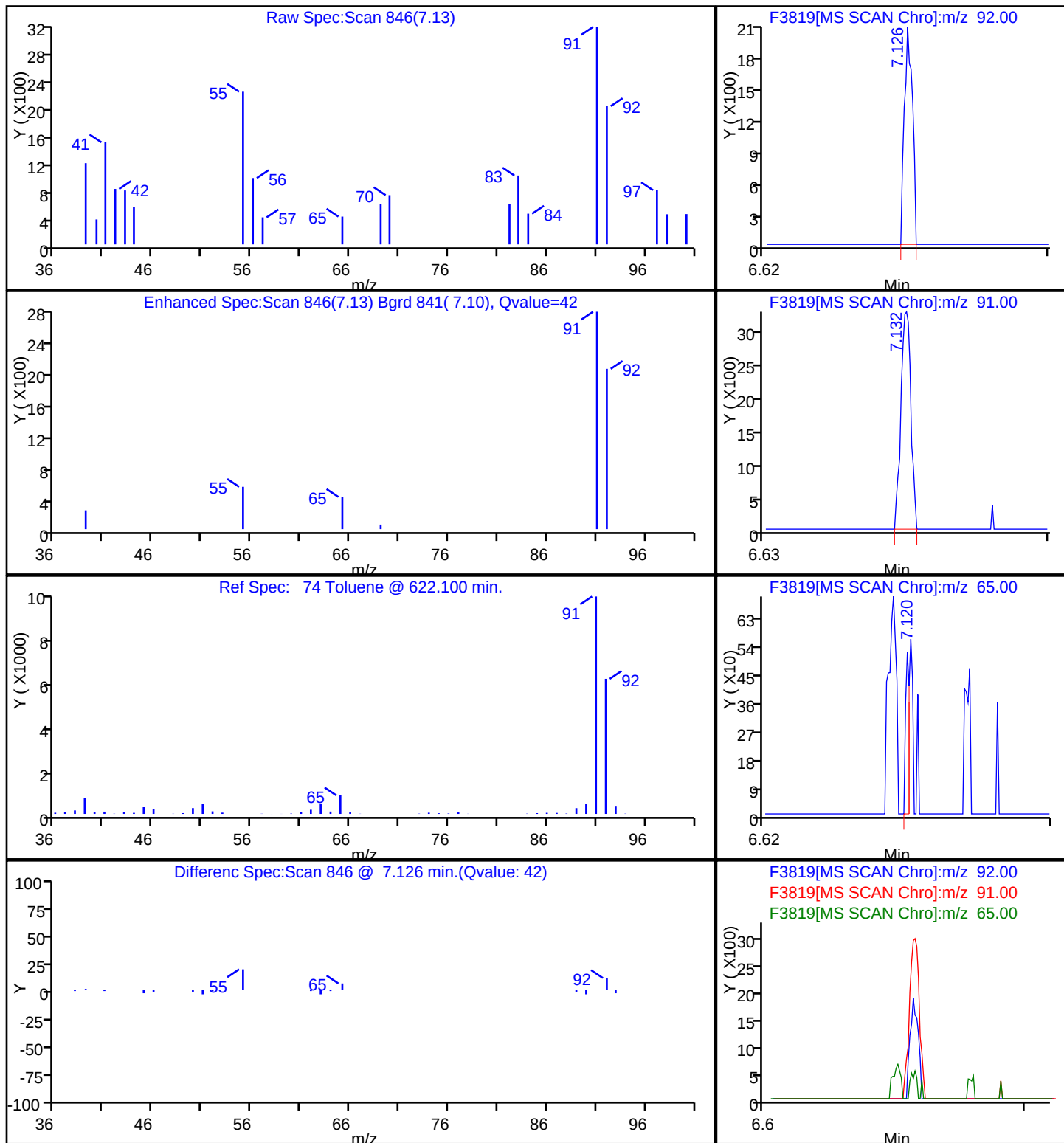
Lims Sample ID: 13

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

74 Toluene



Report Date: 12-Sep-2011 12:46:14

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3819.D

Injection Date: 10-Sep-2011 18:11:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 30731

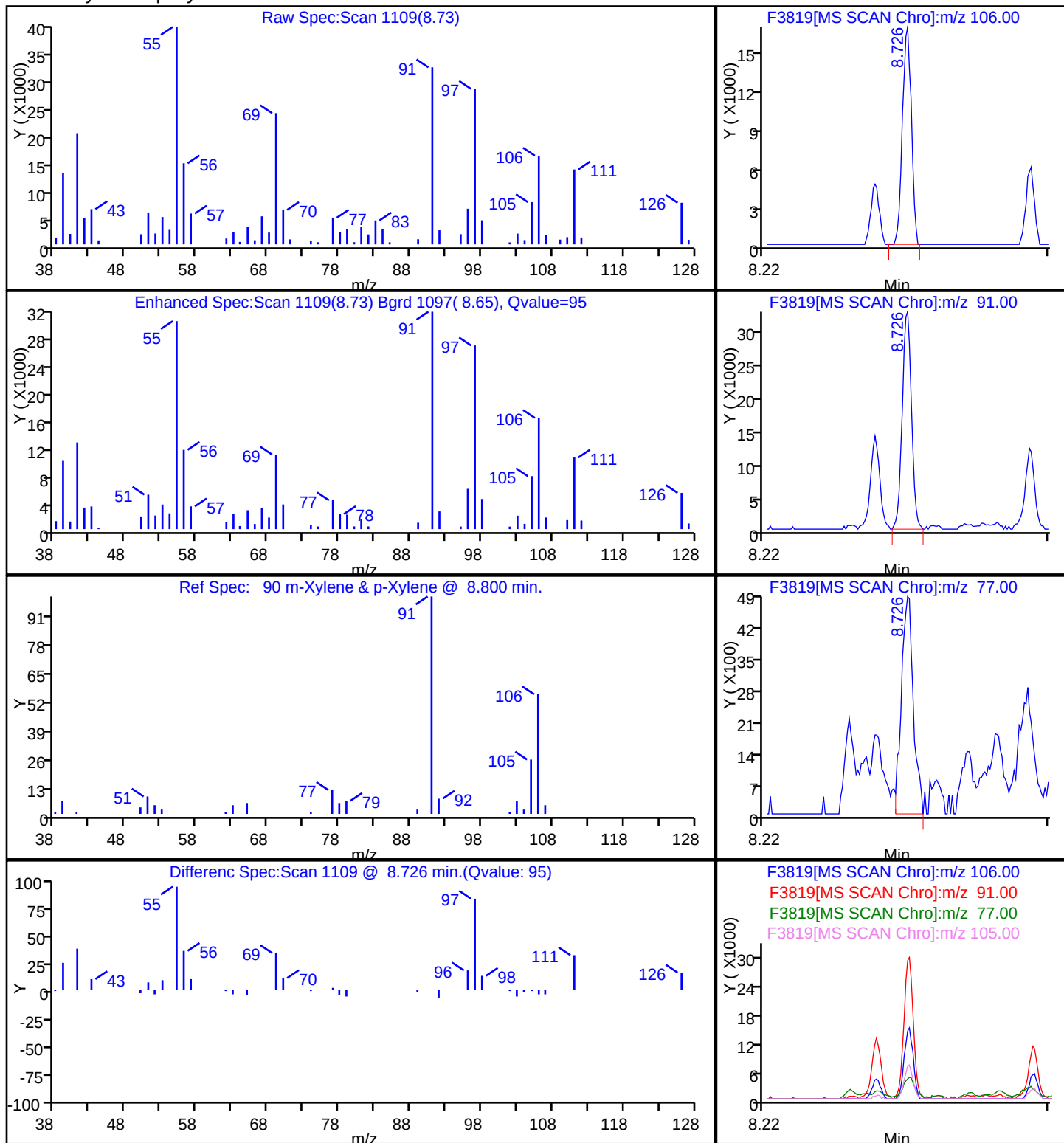
Lims Sample ID: 13

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



Report Date: 12-Sep-2011 12:46:14

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3819.D

Injection Date: 10-Sep-2011 18:11:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 30731

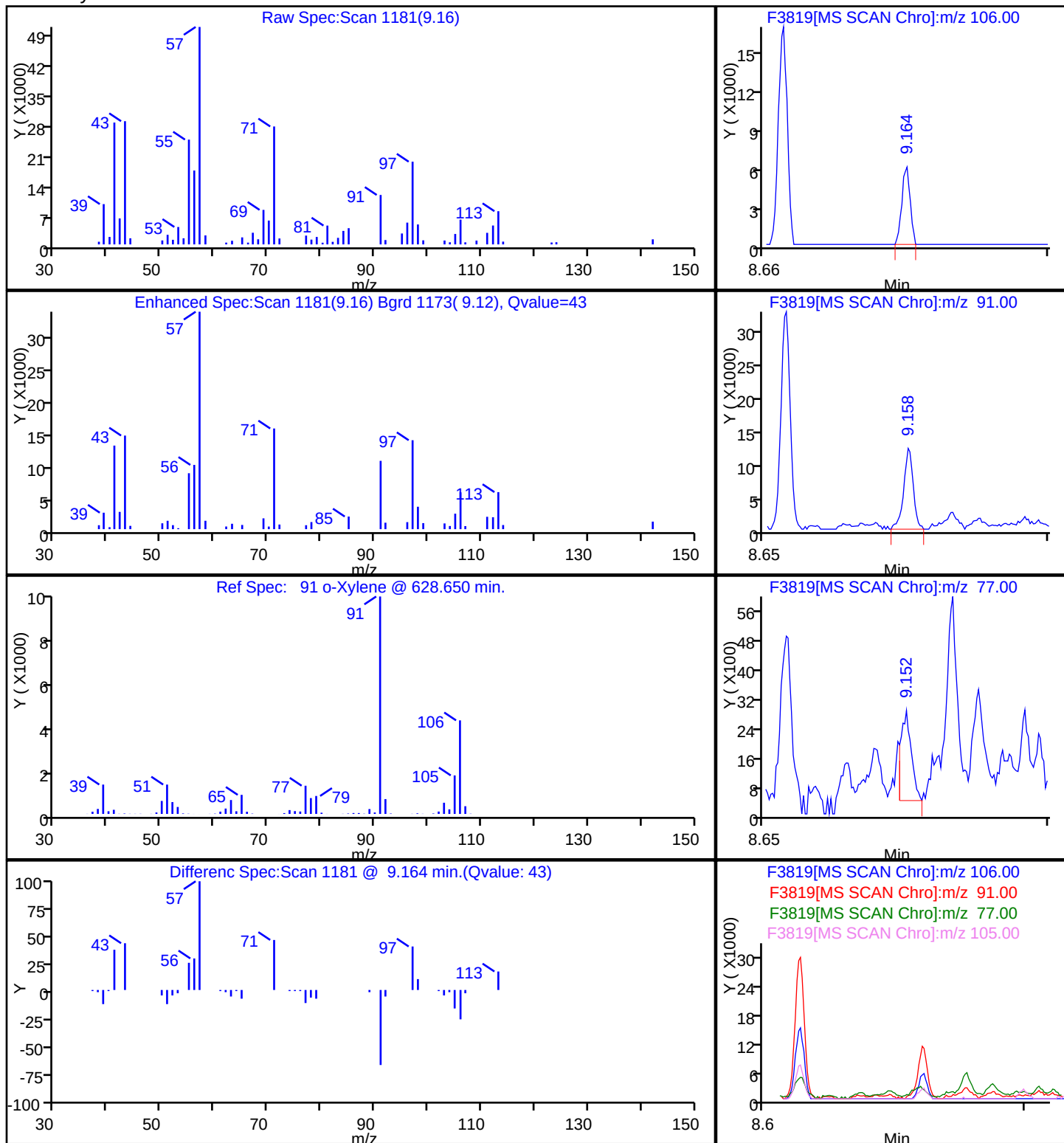
Lims Sample ID: 13

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

91 o-Xylene



Report Date: 12-Sep-2011 12:46:14

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3819.D

Injection Date: 10-Sep-2011 18:11:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 30731

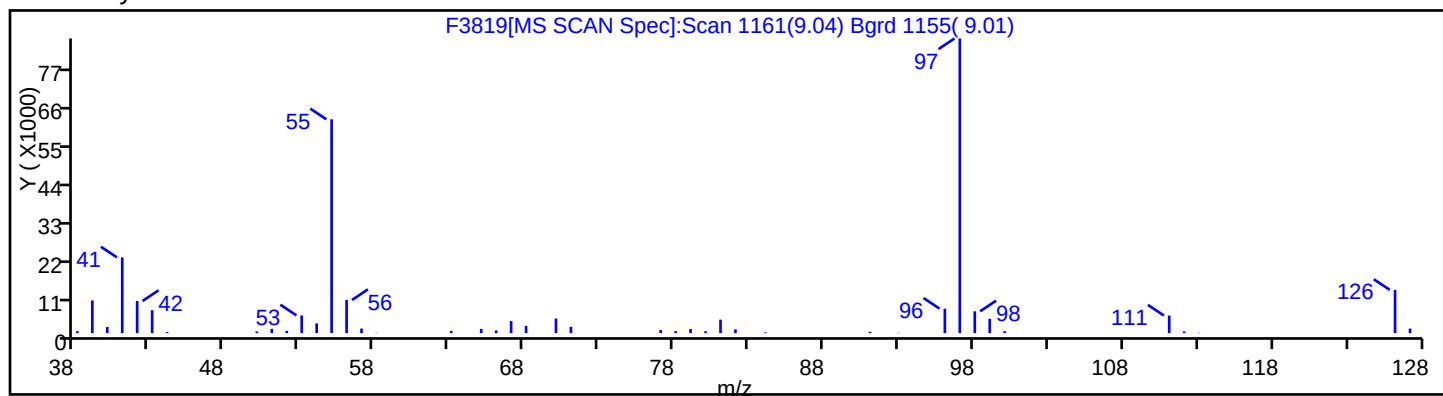
Lims Sample ID: 13

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 12-Sep-2011 12:46:14

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3819.D

Injection Date: 10-Sep-2011 18:11:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 30731

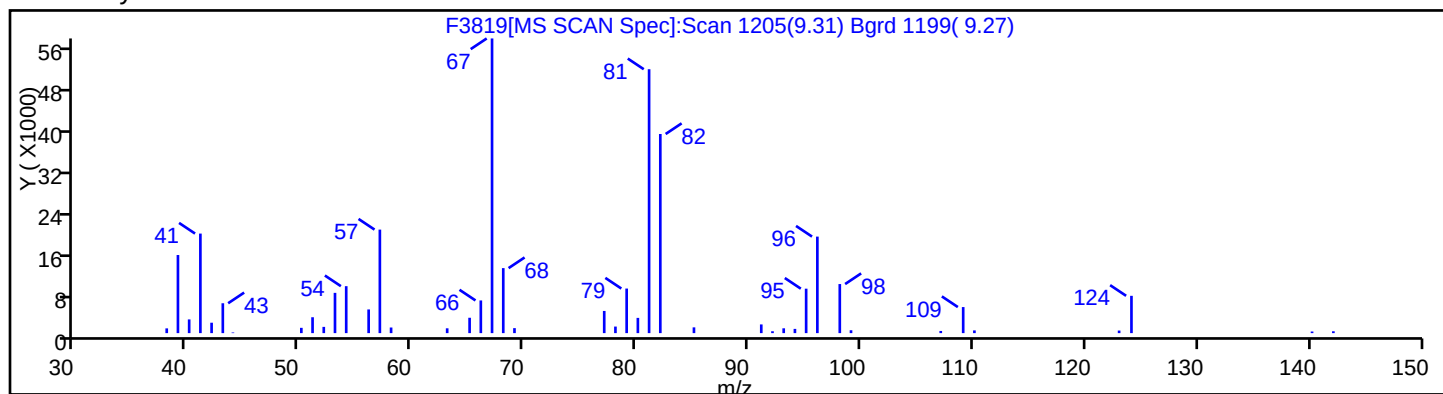
Lims Sample ID: 13

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 12-Sep-2011 12:46:14

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3819.D

Injection Date: 10-Sep-2011 18:11:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 30731

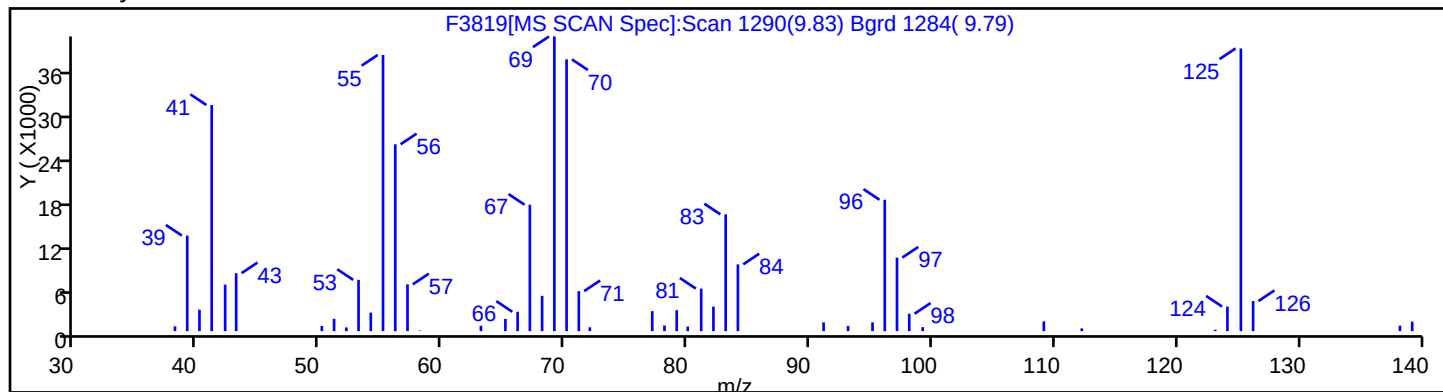
Lims Sample ID: 13

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 12-Sep-2011 12:46:14

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3819.D

Injection Date: 10-Sep-2011 18:11:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 30731

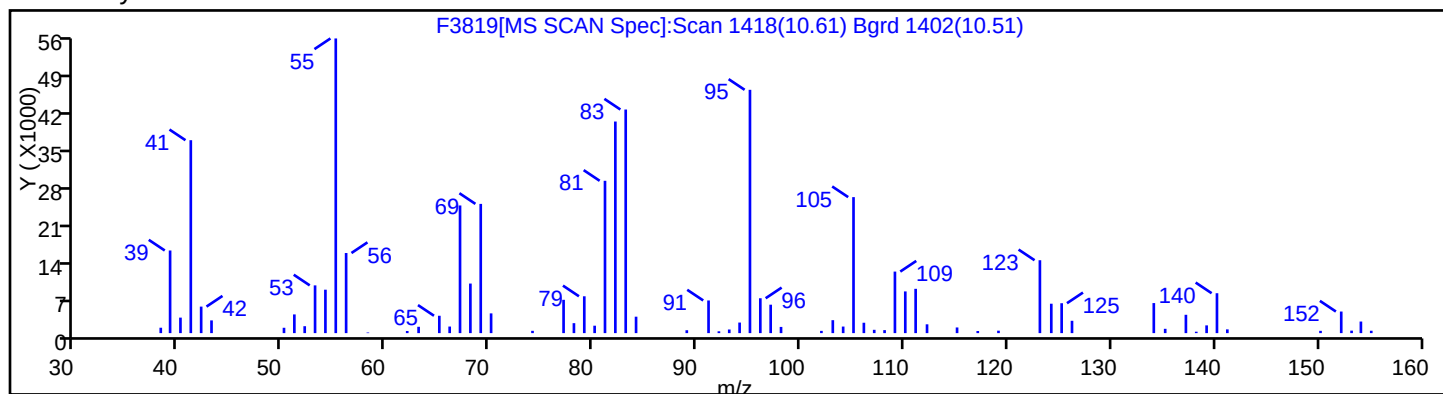
Lims Sample ID: 13

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 12-Sep-2011 12:46:14

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3819.D

Injection Date: 10-Sep-2011 18:11:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 30731

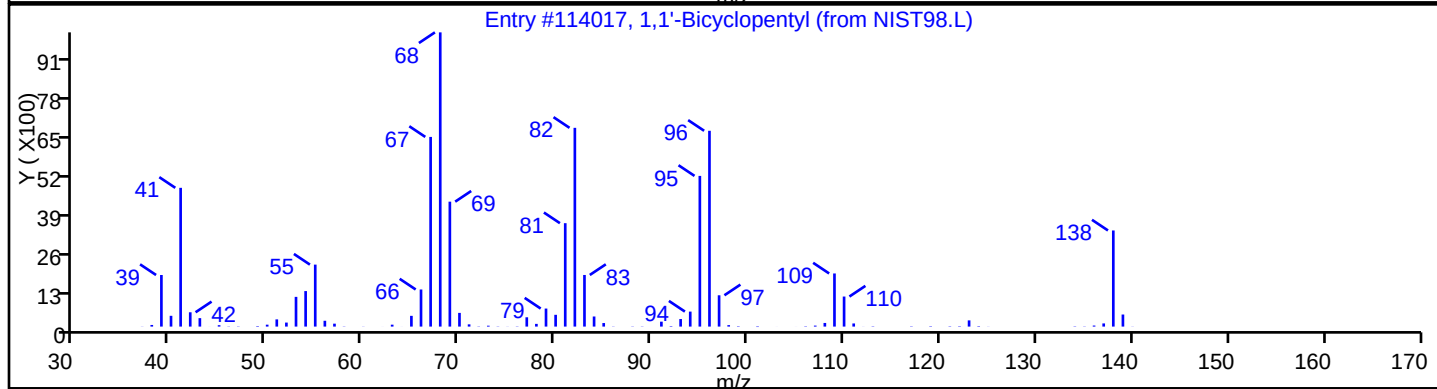
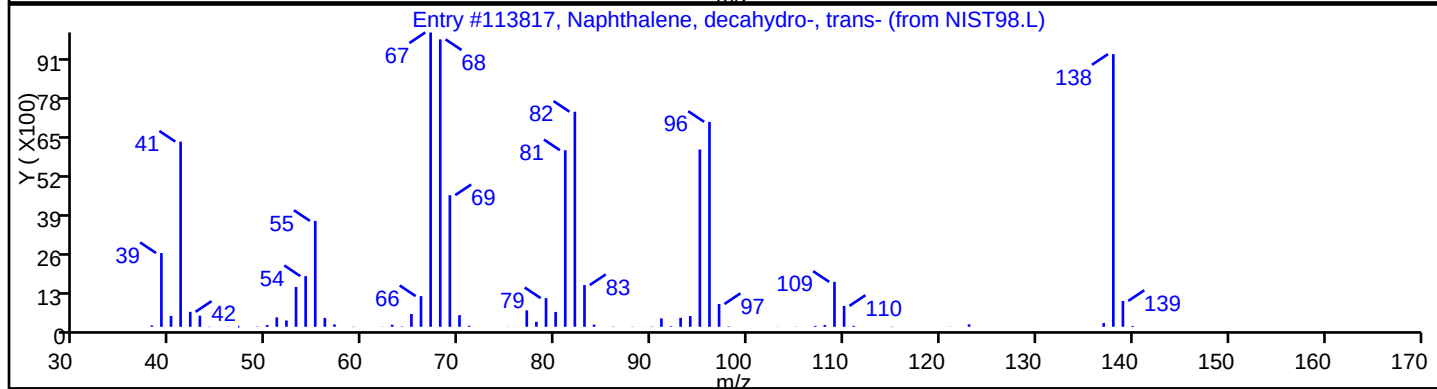
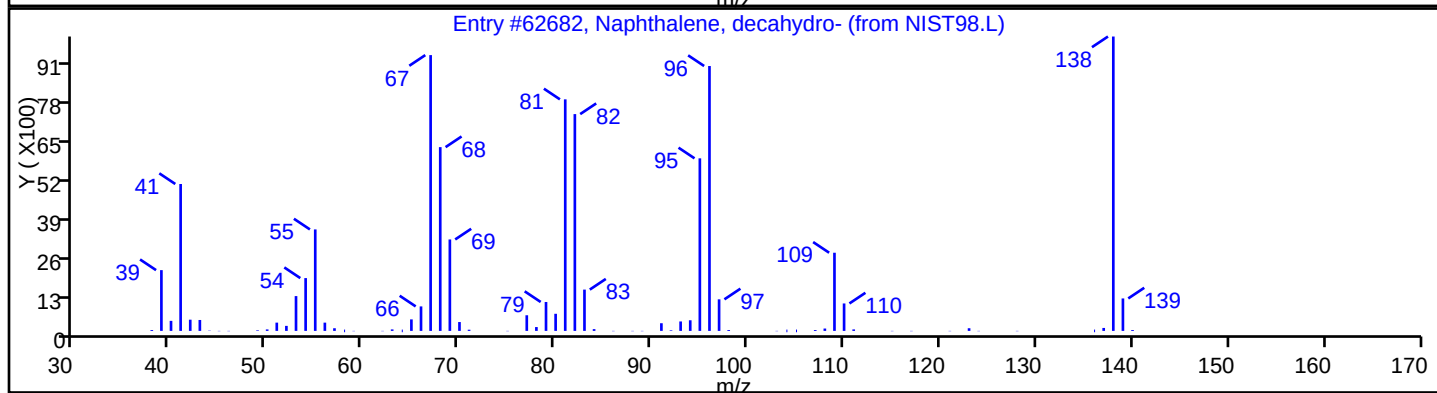
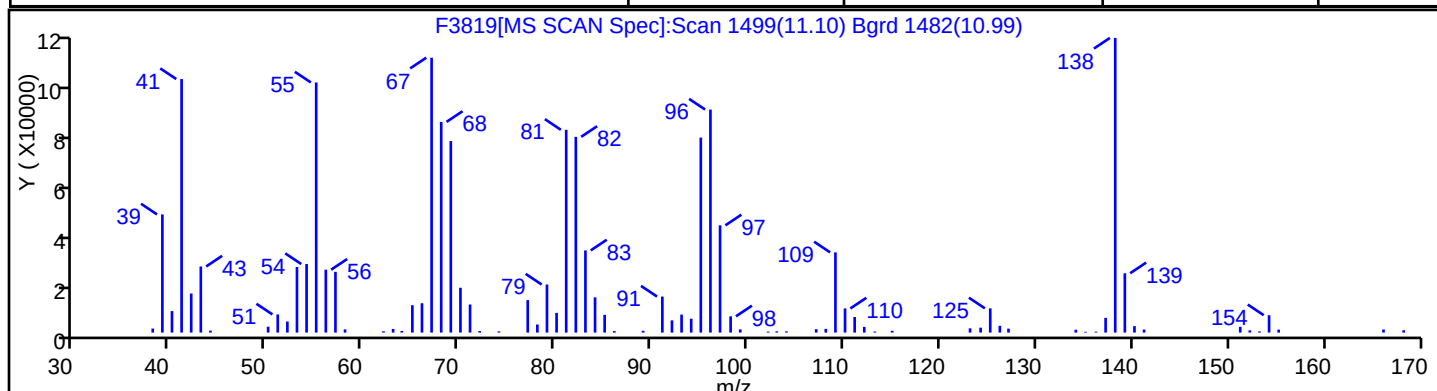
Lims Sample ID: 13

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Naphthalene, decahydro-	91-17-8	NIST98.L	62682	97
Naphthalene, decahydro-, trans-	493-2-7	NIST98.L	113817	94
1,1'-Bicyclopentyl	1636-39-1	NIST98.L	114017	87



Report Date: 12-Sep-2011 12:46:14

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3819.D

Injection Date: 10-Sep-2011 18:11:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 30731

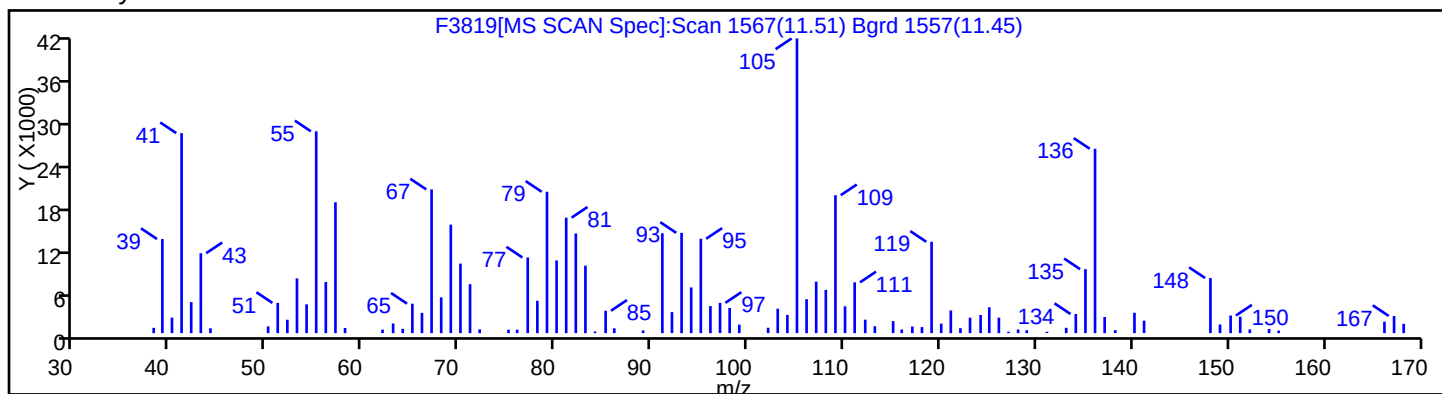
Lims Sample ID: 13

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 12-Sep-2011 12:46:14

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3819.D

Injection Date: 10-Sep-2011 18:11:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 30731

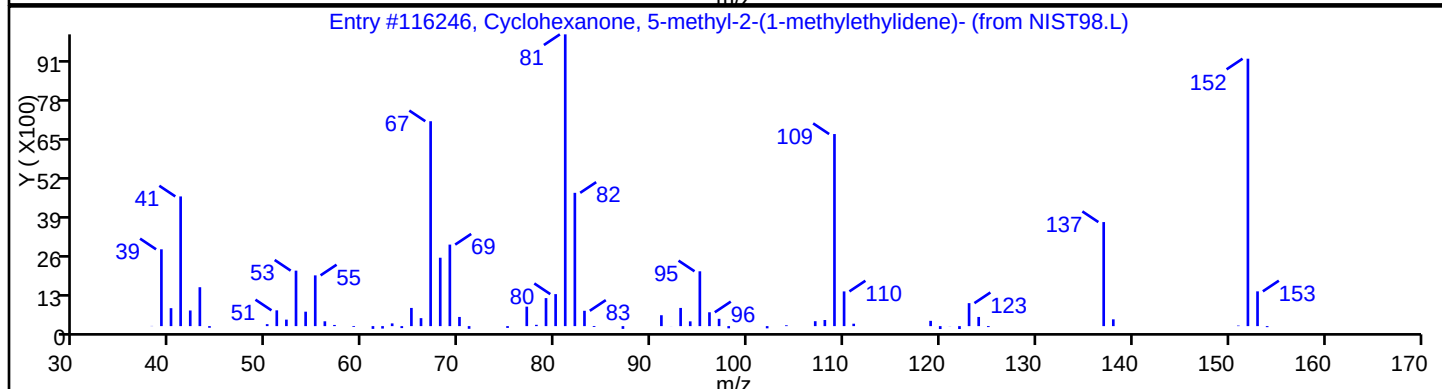
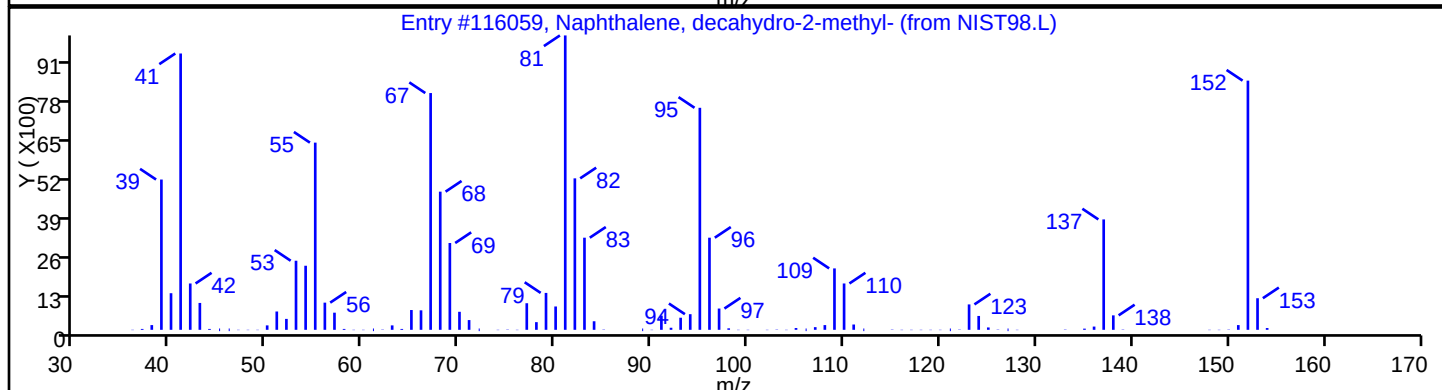
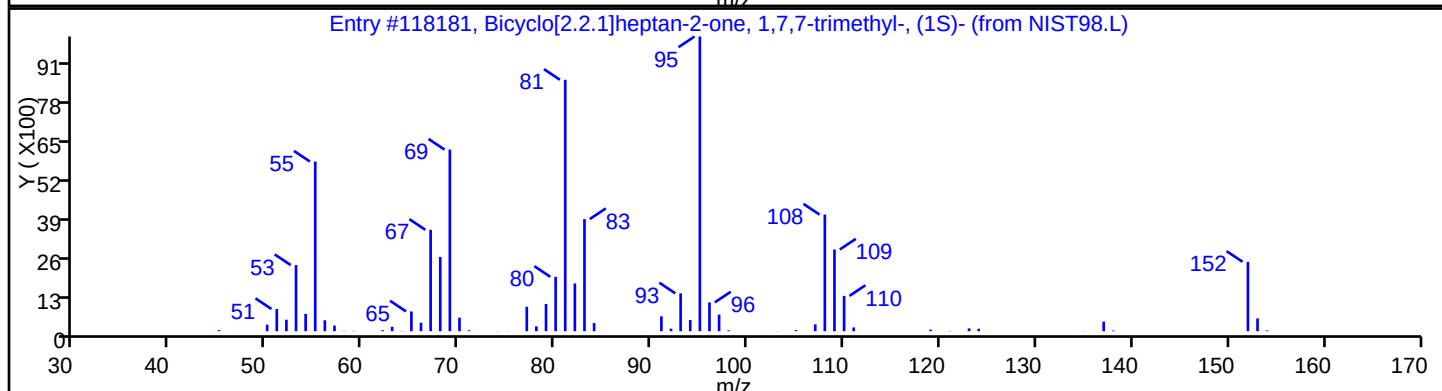
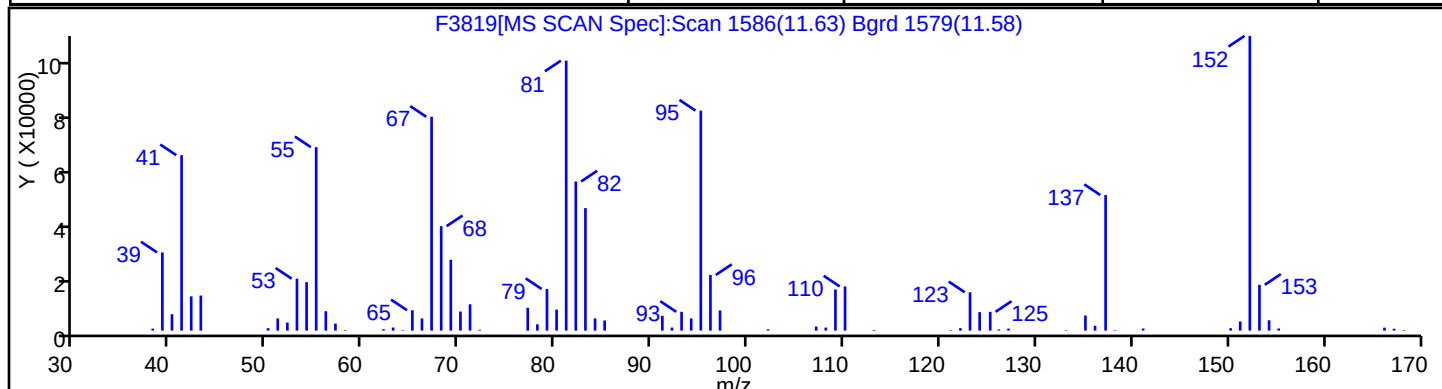
Lims Sample ID: 13

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimet	464-48-2	NIST98.L	118181	90
Naphthalene, decahydro-2-methyl-	2958-76-1	NIST98.L	116059	90
Cyclohexanone, 5-methyl-2-(1-methylethyl	15932-80-6	NIST98.L	116246	89



Report Date: 12-Sep-2011 12:46:14

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3819.D

Injection Date: 10-Sep-2011 18:11:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 30731

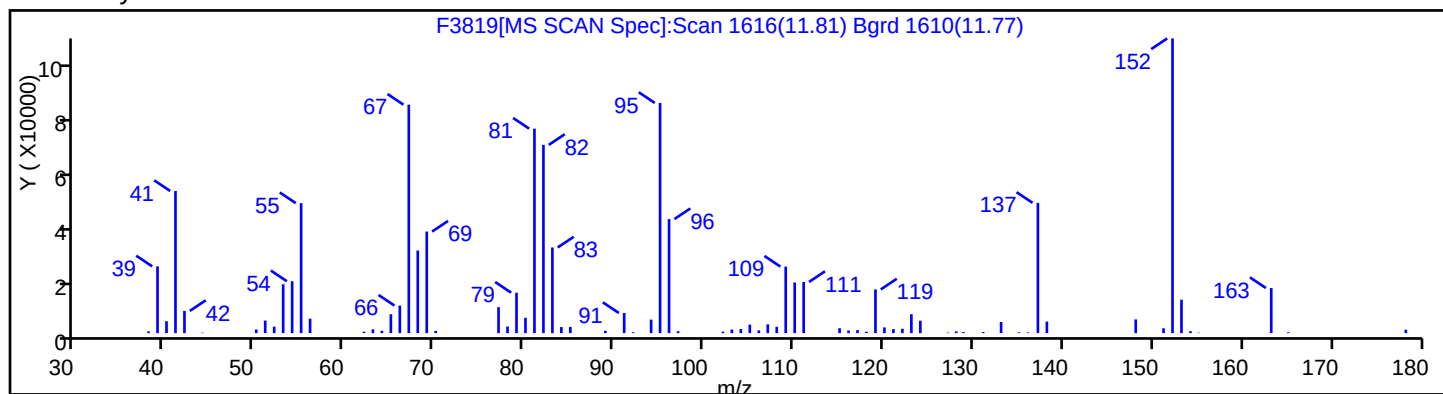
Lims Sample ID: 13

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 12-Sep-2011 12:46:14

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3819.D

Injection Date: 10-Sep-2011 18:11:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 30731

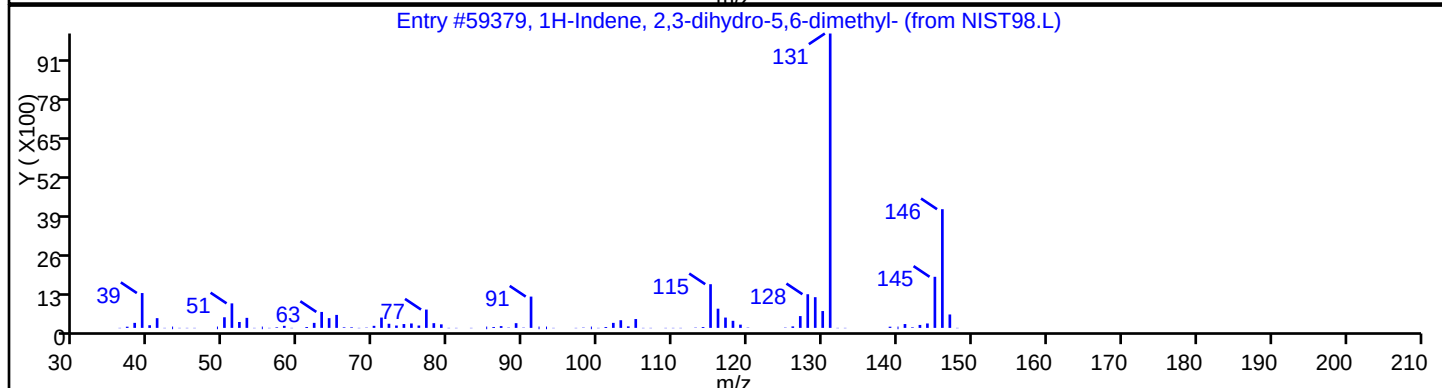
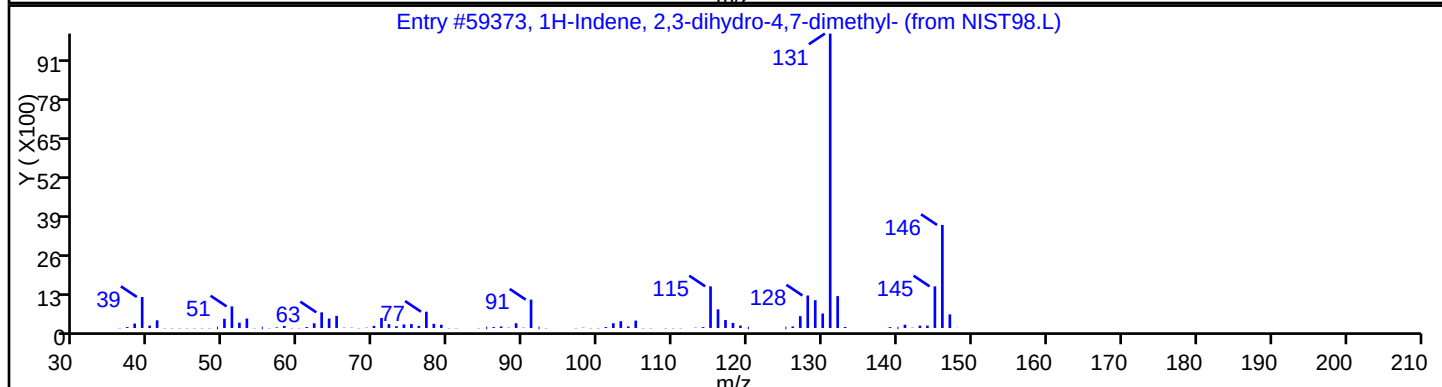
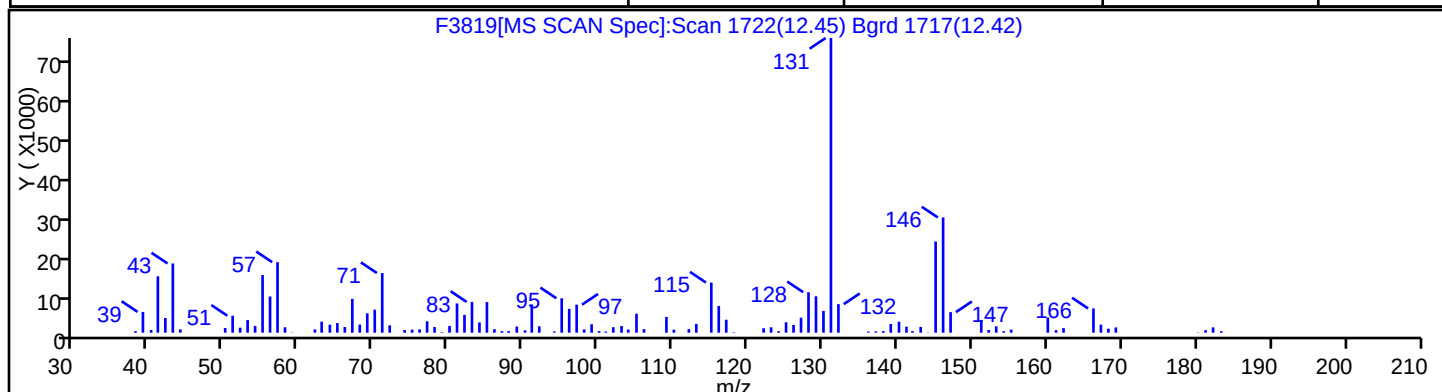
Lims Sample ID: 13

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	NIST98.L	59373	94
1H-Indene, 2,3-dihydro-5,6-dimethyl-	1075-22-5	NIST98.L	59379	93



Report Date: 12-Sep-2011 12:46:14

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3819.D

Injection Date: 10-Sep-2011 18:11:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 30731

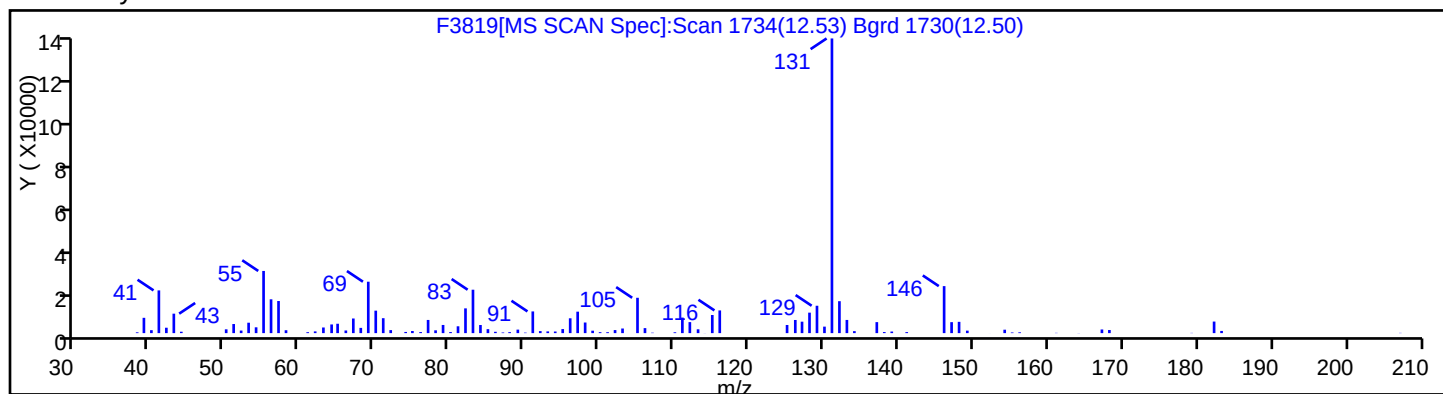
Lims Sample ID: 13

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Client Sample ID: SB-B2 (3-4) Lab Sample ID: 480-9503-7

Matrix: Solid Lab File ID: F3822.D

Analysis Method: 8260B Date Collected: 09/07/2011 09:45

Sample wt/vol: 5.802(g) Date Analyzed: 09/10/2011 19:27

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: 17.5 Level: (low/med) Low

Analysis Batch No.: 30731 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.2	0.38
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.2	0.85
79-00-5	1,1,2-Trichloroethane	ND		5.2	0.68
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.2
75-34-3	1,1-Dichloroethane	ND		5.2	0.64
75-35-4	1,1-Dichloroethene	ND		5.2	0.64
120-82-1	1,2,4-Trichlorobenzene	ND		5.2	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.2	2.6
106-93-4	1,2-Dibromoethane	ND		5.2	0.67
95-50-1	1,2-Dichlorobenzene	ND		5.2	0.41
107-06-2	1,2-Dichloroethane	ND		5.2	0.26
78-87-5	1,2-Dichloropropane	ND		5.2	2.6
541-73-1	1,3-Dichlorobenzene	ND		5.2	0.27
106-46-7	1,4-Dichlorobenzene	ND		5.2	0.73
591-78-6	2-Hexanone	ND		26	2.6
78-93-3	2-Butanone (MEK)	ND		26	1.9
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		26	1.7
67-64-1	Acetone	24	J	26	4.4
71-43-2	Benzene	ND		5.2	0.26
75-27-4	Bromodichloromethane	ND		5.2	0.70
75-25-2	Bromoform	ND		5.2	2.6
74-83-9	Bromomethane	ND		5.2	0.47
75-15-0	Carbon disulfide	ND		5.2	2.6
56-23-5	Carbon tetrachloride	ND		5.2	0.51
108-90-7	Chlorobenzene	ND		5.2	0.69
124-48-1	Dibromochloromethane	ND		5.2	0.67
75-00-3	Chloroethane	ND		5.2	1.2
67-66-3	Chloroform	ND		5.2	0.32
74-87-3	Chloromethane	ND		5.2	0.32
156-59-2	cis-1,2-Dichloroethene	ND		5.2	0.67
10061-01-5	cis-1,3-Dichloropropene	ND		5.2	0.75
110-82-7	Cyclohexane	ND		5.2	0.73
75-71-8	Dichlorodifluoromethane	ND		5.2	0.43
100-41-4	Ethylbenzene	ND		5.2	0.36
98-82-8	Isopropylbenzene	ND		5.2	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: SB-B2 (3-4) Lab Sample ID: 480-9503-7
 Matrix: Solid Lab File ID: F3822.D
 Analysis Method: 8260B Date Collected: 09/07/2011 09:45
 Sample wt/vol: 5.802(g) Date Analyzed: 09/10/2011 19:27
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: 17.5 Level: (low/med) Low
 Analysis Batch No.: 30731 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	1.5	J	5.2	0.97
1634-04-4	Methyl tert-butyl ether	ND		5.2	0.51
108-87-2	Methylcyclohexane	ND		5.2	0.79
75-09-2	Methylene Chloride	ND		5.2	2.4
100-42-5	Styrene	ND		5.2	0.26
127-18-4	Tetrachloroethene	ND		5.2	0.70
108-88-3	Toluene	0.99	J	5.2	0.39
156-60-5	trans-1,2-Dichloroethene	ND		5.2	0.54
10061-02-6	trans-1,3-Dichloropropene	ND		5.2	2.3
79-01-6	Trichloroethene	ND		5.2	1.1
75-69-4	Trichlorofluoromethane	ND		5.2	0.49
75-01-4	Vinyl chloride	ND		5.2	0.64
1330-20-7	Xylenes, Total	ND		10	0.88

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		64-126
2037-26-5	Toluene-d8 (Surr)	96		71-125
460-00-4	4-Bromofluorobenzene (Surr)	96		72-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: SB-B2 (3-4) Lab Sample ID: 480-9503-7
Matrix: Solid Lab File ID: F3822.D
Analysis Method: 8260B Date Collected: 09/07/2011 09:45
Sample wt/vol: 5.802(g) Date Analyzed: 09/10/2011 19:27
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: 17.5 Level: (low/med) Low
Analysis Batch No.: 30731 Units: ug/Kg
Number TICs Found: 6 TIC Result Total: 144.3

CAS NO.	COMPOUND NAME	RT	RESULT	Q
1066-40-6	Silanol, trimethyl-	4.60	52	T J N
	Unknown	9.57	38	T J
24535-53-3	4-Nitro-4''-chlorodiphenylsulphoxide	9.65	25	T J N
573-98-8	Naphthalene, 1,2-dimethyl-	11.73	8.5	T J N
	Unknown	12.90	6.8	T J
2245-38-7	Naphthalene, 1,6,7-trimethyl-	13.37	14	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3822.D
 Lims ID: 480-9503-A-7-A Client ID: SB-B2 (3-4)
 Inject. Date: 10-Sep-2011 19:27:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-9503-A-7-A
 Misc. Info.: 480-0005865-016 =480-0005865-016
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 16
 Lims Batch ID: 30731 Lims Sample ID: 16
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F-8260 SOIL.m
 Last Update: 10-Sep-2011 14:47:06 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: BrandtT

Date: 12-Sep-2011 12:46:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	95	551935	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	86	261164	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.819	-0.001	94	283236	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.434	5.429	0.006	96	93236	48.1	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	575354	48.2	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.723	9.730	-0.007	89	200636	48.0	
10 Dichlorodifluoromethane	85		2.088					
12 Chloromethane	50		2.240					
13 Vinyl chloride	62		2.368					
14 Bromomethane	94		2.654					
15 Chloroethane	64		2.733					
17 Trichlorofluoromethane	101		2.958					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.336					
22 1,1-Dichloroethene	96		3.372					
23 Acetone	43	3.427	3.427	0.0	94	29665	23.0	
26 Carbon disulfide	76		3.591					
27 Methyl acetate	43	3.646	3.646	0.0	62	7464	1.42	
30 Methylene Chloride	84	3.767	3.767	0.0	76	5773	2.06	
32 Methyl tert-butyl ether	73		3.920					
34 trans-1,2-Dichloroethene	96		3.956					
39 1,1-Dichloroethane	63		4.297					
43 2-Butanone (MEK)	43		4.747					
45 cis-1,2-Dichloroethene	96		4.759					
50 Chloroform	83		5.002					
51 1,1,1-Trichloroethane	97		5.148					
52 Cyclohexane	56		5.179					
55 Carbon tetrachloride	117		5.282					
57 Benzene	78		5.459					
58 1,2-Dichloroethane	62		5.495					
62 Trichloroethene	95		5.982					
64 Methylcyclohexane	83		6.122					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.207					
68 Dichlorobromomethane	83		6.450					
72 cis-1,3-Dichloropropene	75		6.834					
73 4-Methyl-2-pentanone (MIBK)	43		6.931					
74 Toluene	92	7.126	7.126	0.0	57	7492	0.9434	
77 trans-1,3-Dichloropropene	75		7.351					
79 1,1,2-Trichloroethane	83		7.551					
81 Tetrachloroethene	166		7.655					
80 2-Hexanone	43		7.722					
83 Chlorodibromomethane	129		7.965					
84 Ethylene Dibromide	107		8.099					
87 Chlorobenzene	112		8.549					
88 Ethylbenzene	91		8.610					
90 m-Xylene & p-Xylene	106	8.726	8.726	0.0	47	3130	0.5282	
91 o-Xylene	106		9.158					
92 Styrene	104		9.182					
95 Bromoform	173		9.456					
94 Isopropylbenzene	105		9.516					
97 1,1,2,2-Tetrachloroethane	83		9.881					
111 1,3-Dichlorobenzene	146		10.757					
113 1,4-Dichlorobenzene	146		10.837					
116 1,2-Dichlorobenzene	146		11.177					
117 1,2-Dibromo-3-Chloropropane	75		11.853					
119 1,2,4-Trichlorobenzene	180		12.510					
S 124 Xylenes, Total	1				0		0.5282	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3822.D
 Lims ID: 480-9503-A-7-A Client ID: SB-B2 (3-4)
 Inject. Date: 10-Sep-2011 19:27:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-9503-A-7-A
 Misc. Info.: 480-0005865-016 =480-0005865-016
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 16
 Lims Batch ID: 30731 Lims Sample ID: 16
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F-8260 SOIL.m
 Last Update: 10-Sep-2011 14:47:06 Calib Date: 01-Sep-2011 15:38:30
 Tic RT Window: 1.500 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\Bufchrom\ChromData\Database\NIST98.L
 Min. Match: 85
 Process Host: CORP-CTX-16

First Level Reviewer: BrandtT

Date: 12-Sep-2011 12:46:52

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.096	8056	1.65	
Naphthalene	12.747	6872	0.5255	

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
1066-40-6	Silanol, trimethyl-					
4.601	1261781	49.7	1	90	28642	
	Unknown					
9.565	1169237	36.5	2			
24535-53-3	4-Nitro-4'-chlorodiphenylsulphoxide					
9.650	752109	23.5	2	98	97316	
573-98-8	Naphthalene, 1,2-dimethyl-					
11.725	260382	8.12	3	93	69575	
	Unknown					
12.899	209932	6.54	3			
2245-38-7	Naphthalene, 1,6,7-trimethyl-					
13.373	437285	13.6	3	98	124867	

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 1 1,4-Difluorobenzene	5.739	1268404	50.0
* 2 Chlorobenzene-d5	8.519	1603487	50.0

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3822.D

Compound	RT	Response	Amount ug/kg
* 3 1,4-Dichlorobenzene-d4	10.812	1604129	50.0

QC Flag Legend

Processing Flags

Report Date: 12-Sep-2011 12:46:52

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3822.D

Injection Date: 10-Sep-2011 19:27:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973F

Lims Batch ID: 30731

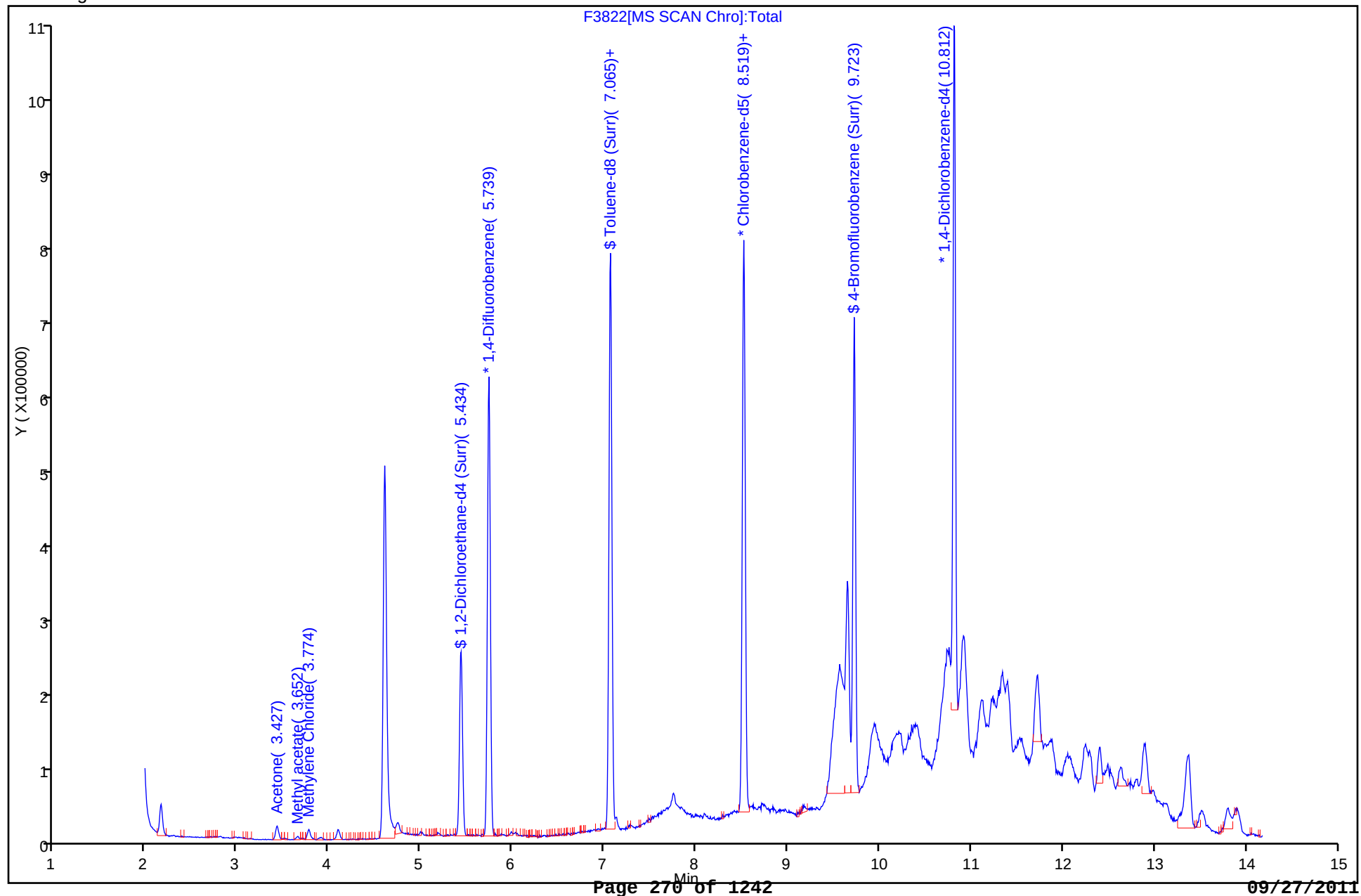
Lims Sample ID: 16

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 12-Sep-2011 12:46:52

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3822.D

Injection Date: 10-Sep-2011 19:27:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973F

Lims Batch ID: 30731

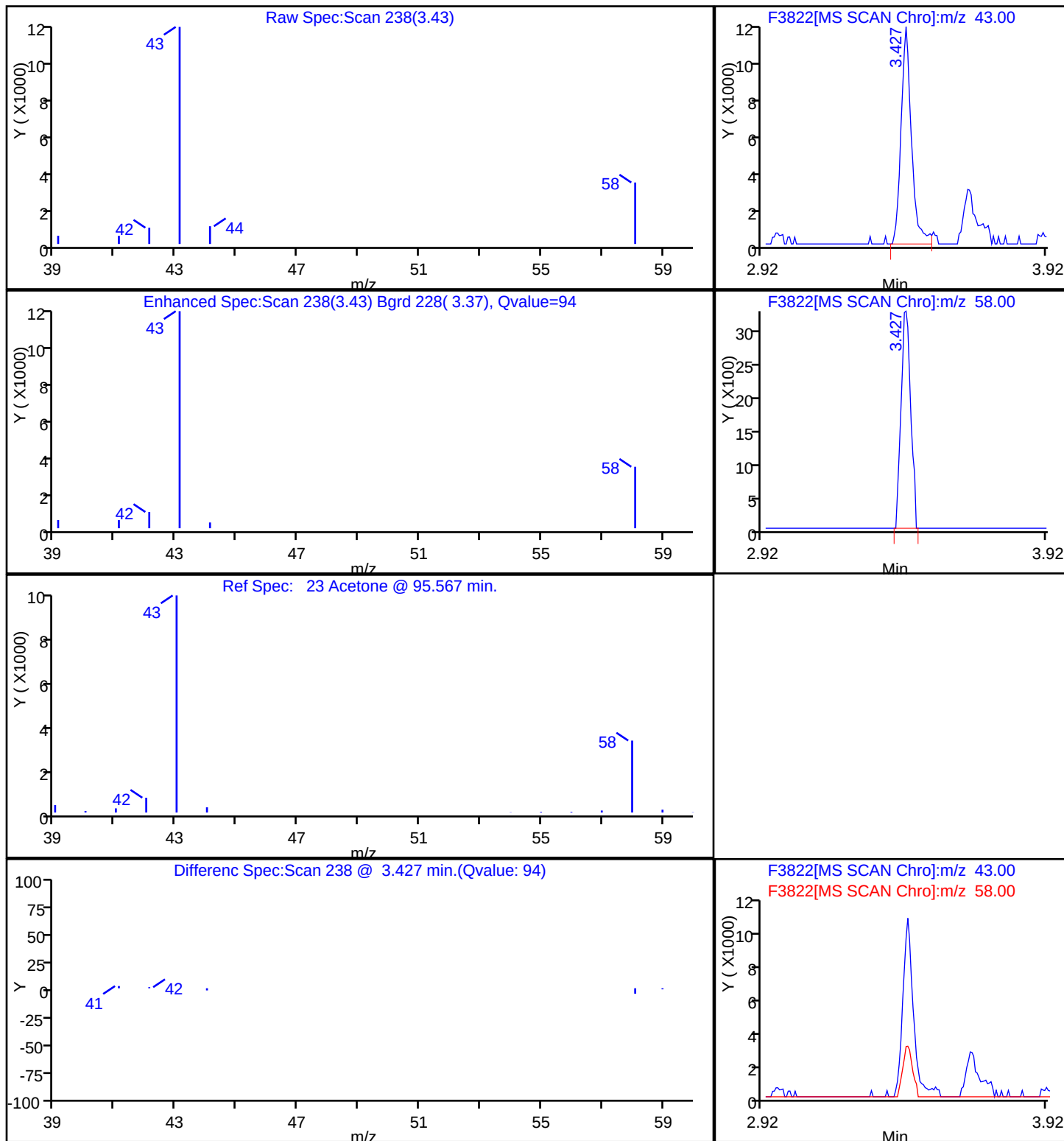
Lims Sample ID: 16

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

23 Acetone



Report Date: 12-Sep-2011 12:46:53

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3822.D

Injection Date: 10-Sep-2011 19:27:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973F

Lims Batch ID: 30731

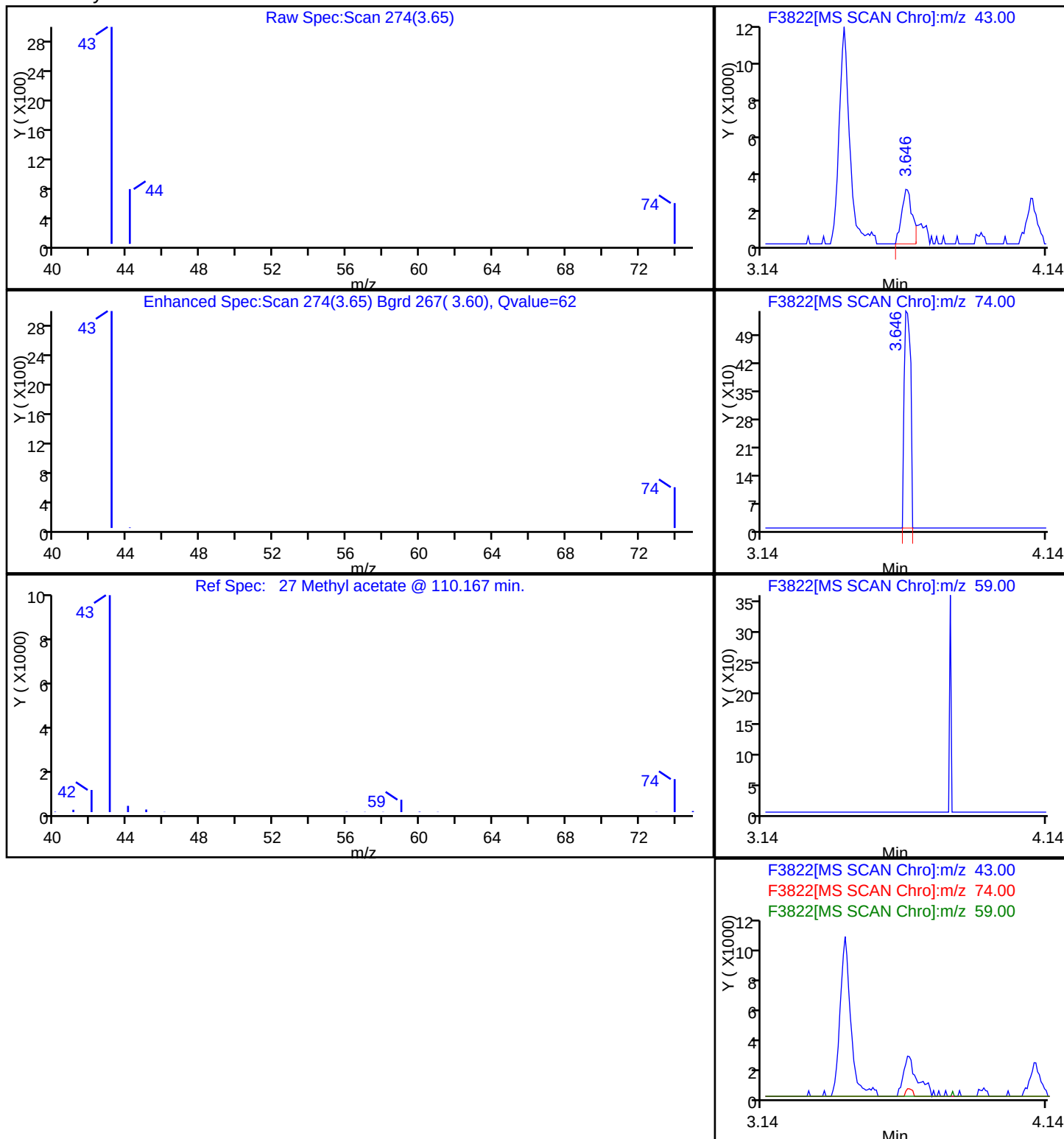
Lims Sample ID: 16

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

27 Methyl acetate



Report Date: 12-Sep-2011 12:46:53

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File:

\\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3822.D

Injection Date: 10-Sep-2011 19:27:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973F

Lims Batch ID: 30731

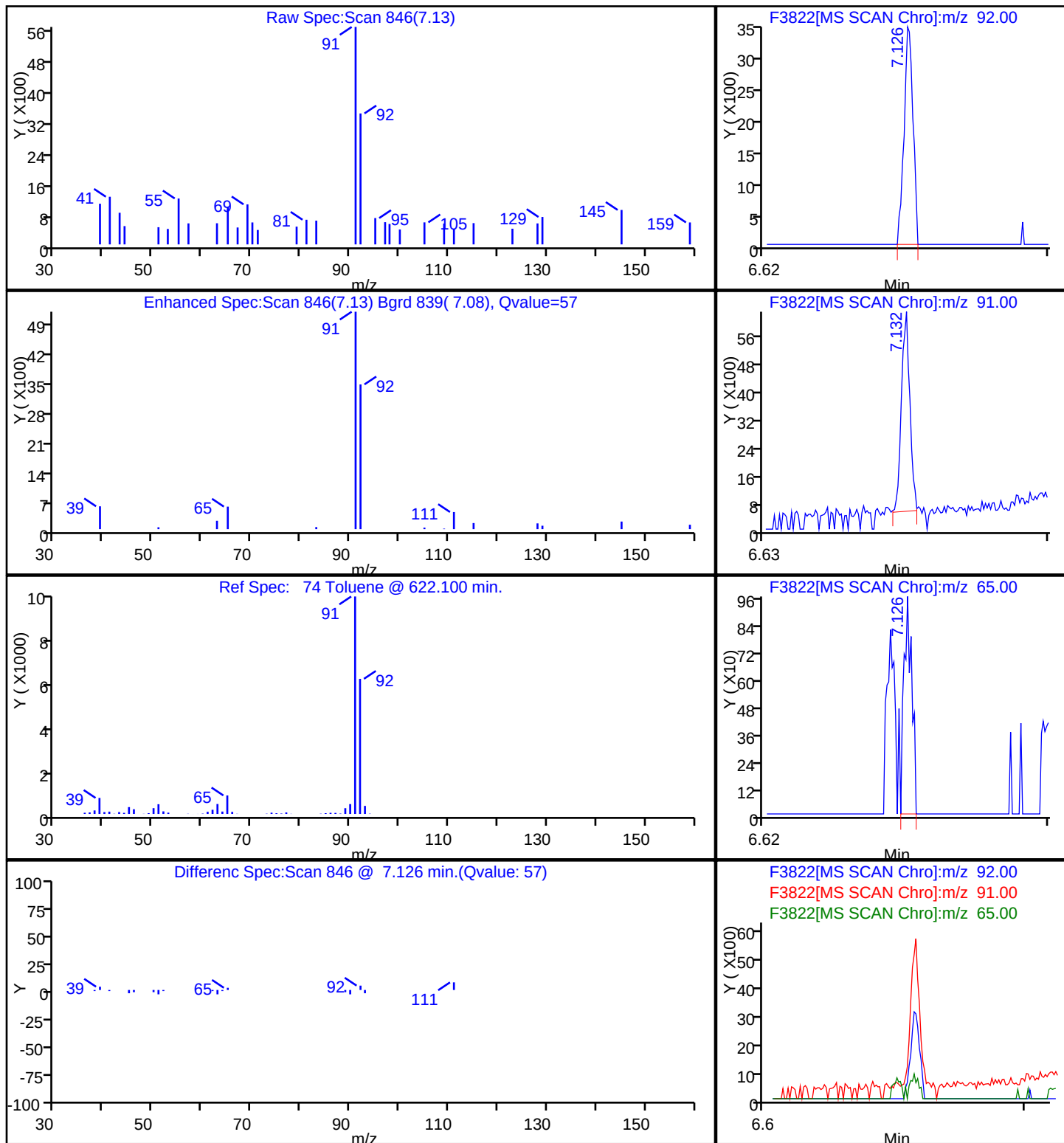
Lims Sample ID: 16

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

74 Toluene



Report Date: 12-Sep-2011 12:46:53

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3822.D

Injection Date: 10-Sep-2011 19:27:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973F

Lims Batch ID: 30731

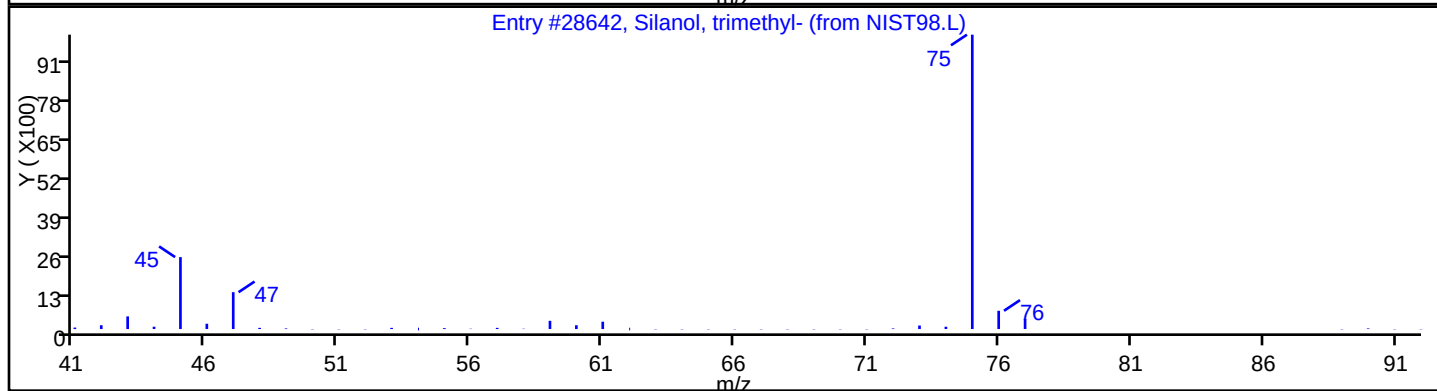
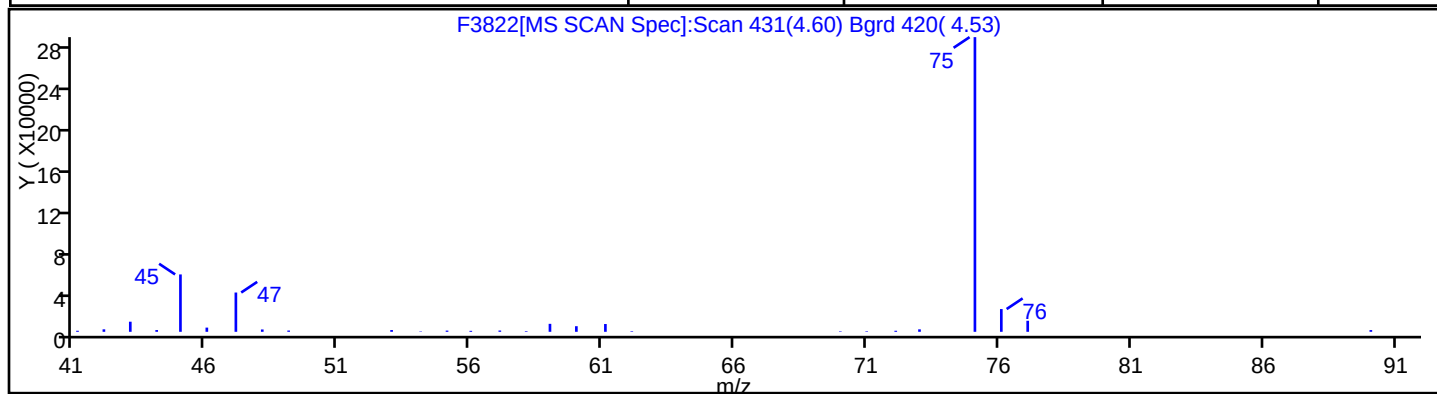
Lims Sample ID: 16

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Silanol, trimethyl-	1066-40-6	NIST98.L	28642	90



Report Date: 12-Sep-2011 12:46:53

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3822.D

Injection Date: 10-Sep-2011 19:27:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973F

Lims Batch ID: 30731

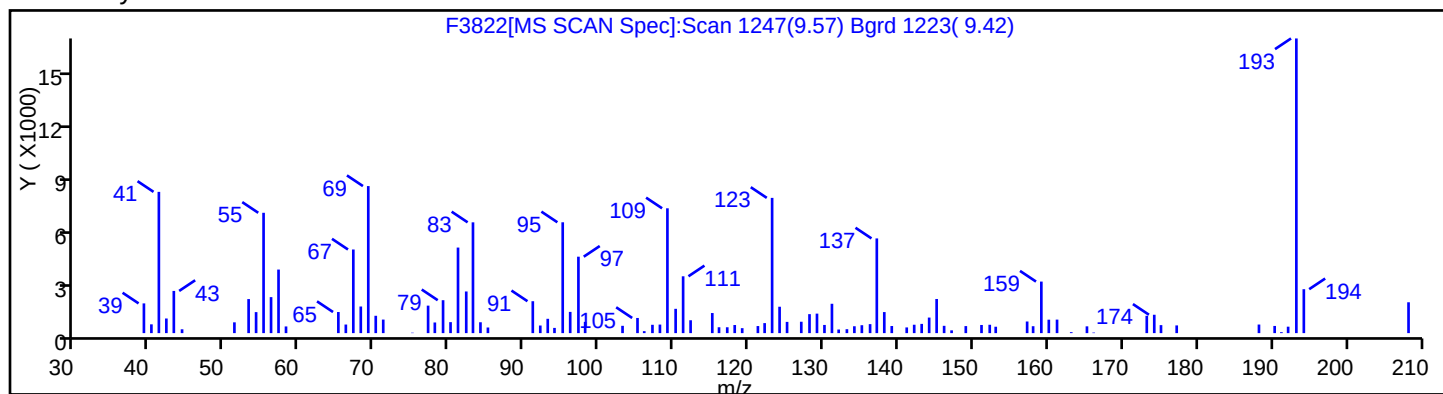
Lims Sample ID: 16

Operator ID: PJQ

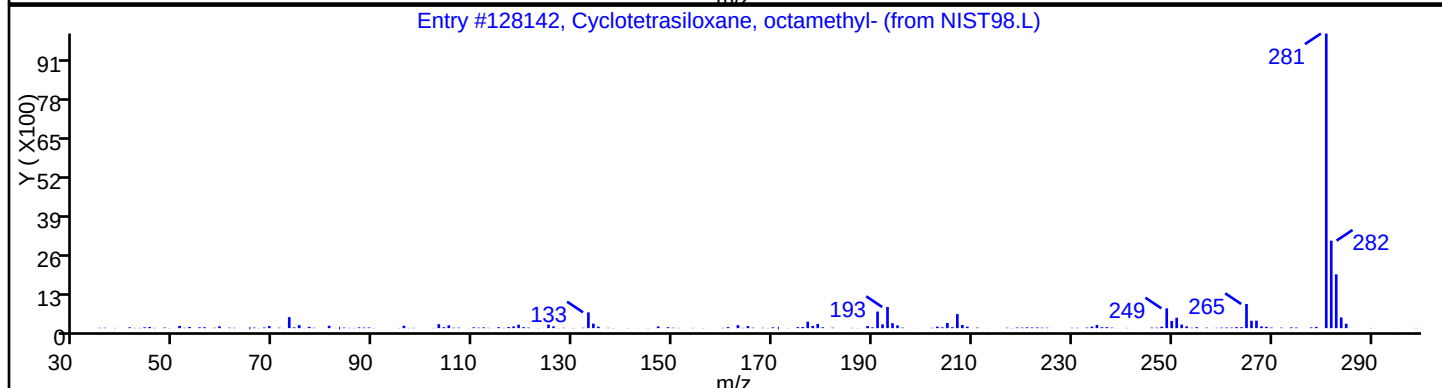
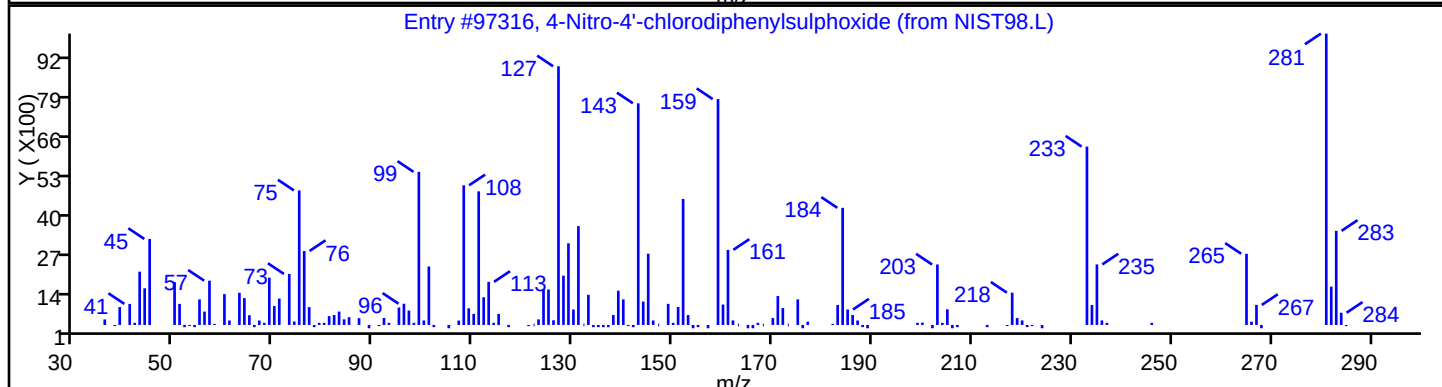
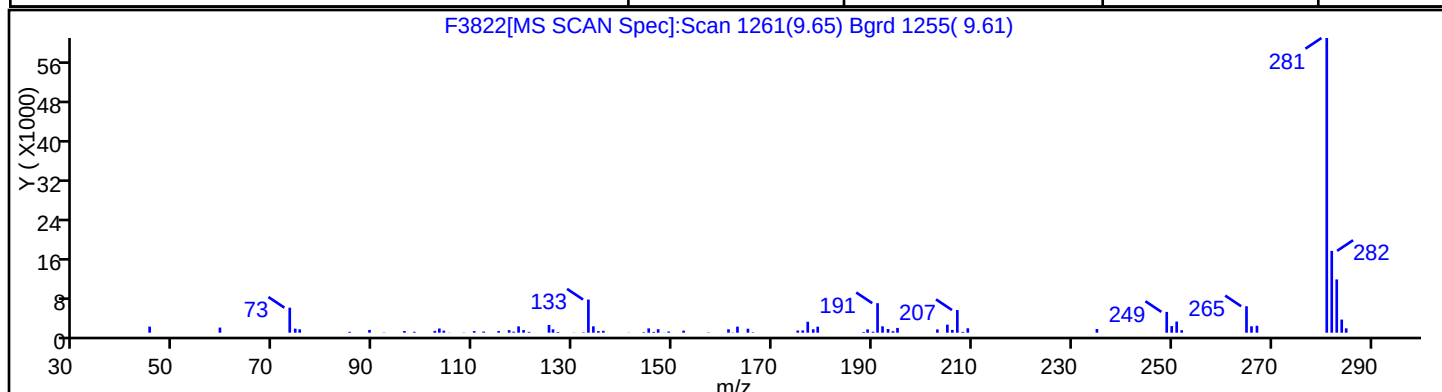
Column Type: ZB-624

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Library Search Compound Match	CAS Number	Library	Entry	Quality
4-Nitro-4'-chlorodiphenylsulphoxide	24535-53-3	NIST98.L	97316	98
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST98.L	128142	87



Report Date: 12-Sep-2011 12:46:53

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3822.D

Injection Date: 10-Sep-2011 19:27:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973F

Lims Batch ID: 30731

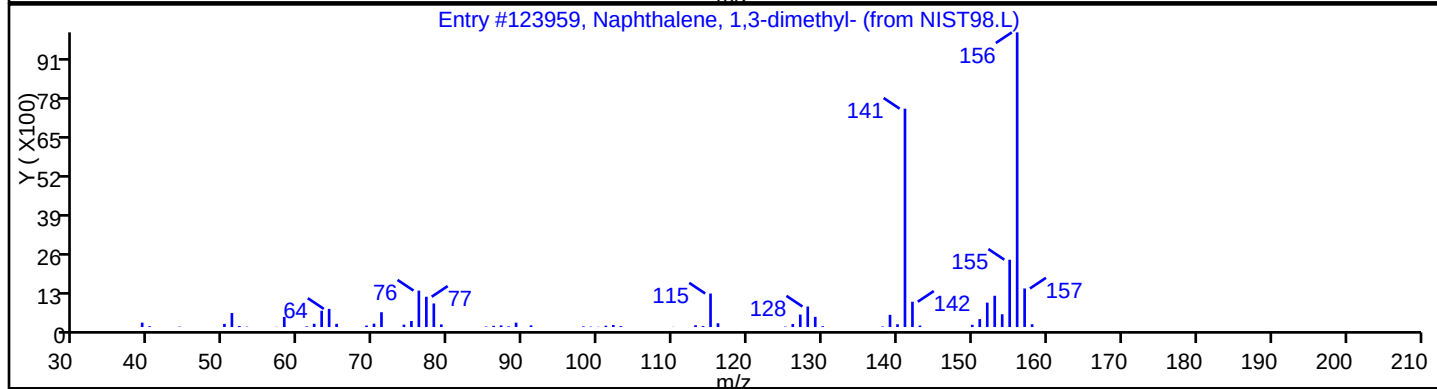
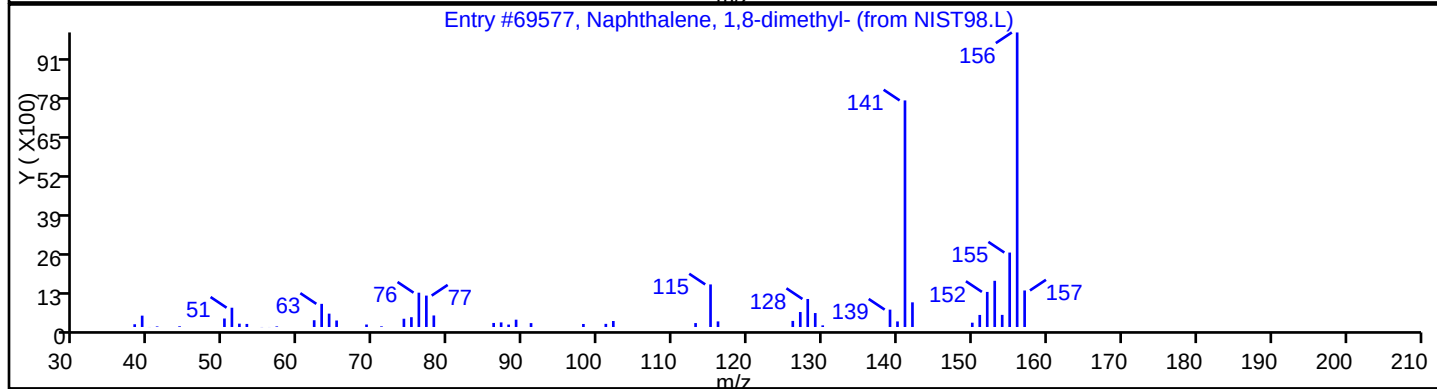
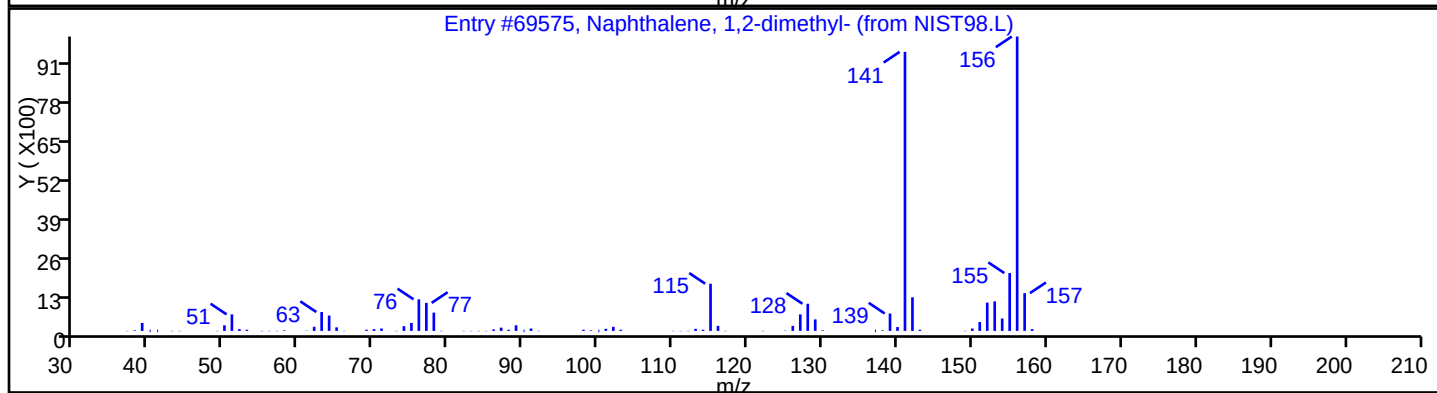
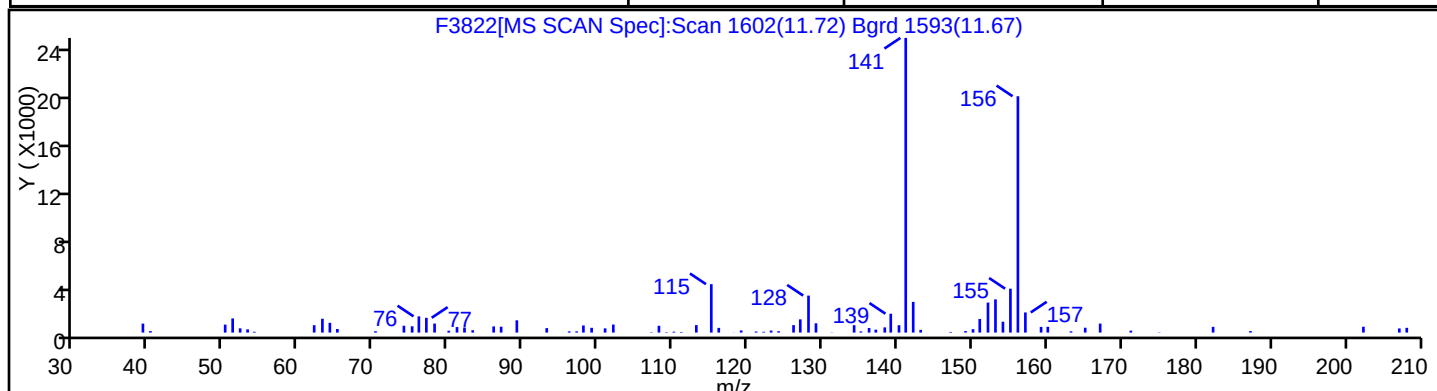
Lims Sample ID: 16

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Naphthalene, 1,2-dimethyl-	573-98-8	NIST98.L	69575	93
Naphthalene, 1,8-dimethyl-	569-41-5	NIST98.L	69577	90
Naphthalene, 1,3-dimethyl-	575-41-7	NIST98.L	123959	90



Report Date: 12-Sep-2011 12:46:53

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3822.D

Injection Date: 10-Sep-2011 19:27:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973F

Lims Batch ID: 30731

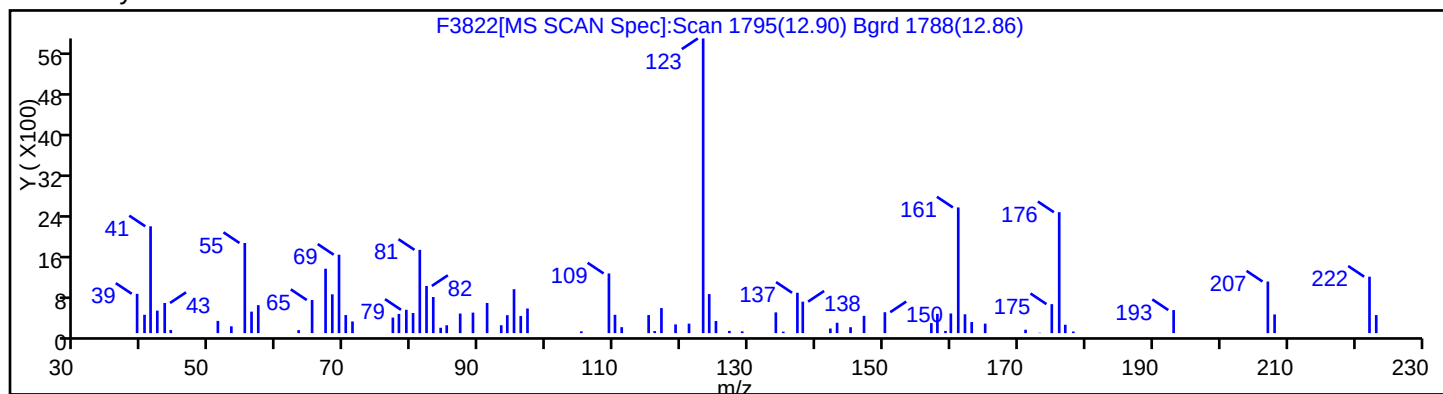
Lims Sample ID: 16

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 12-Sep-2011 12:46:53

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3822.D

Injection Date: 10-Sep-2011 19:27:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973F

Lims Batch ID: 30731

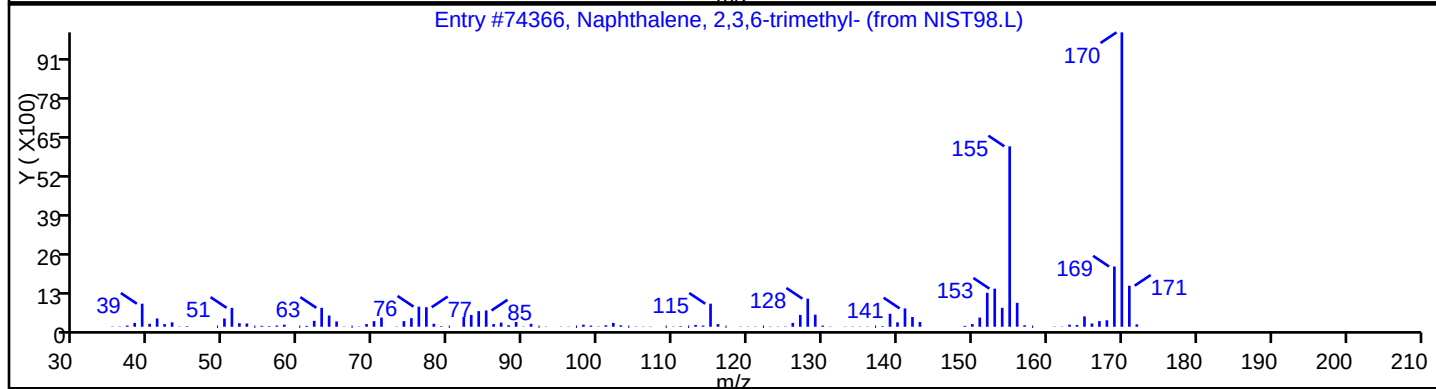
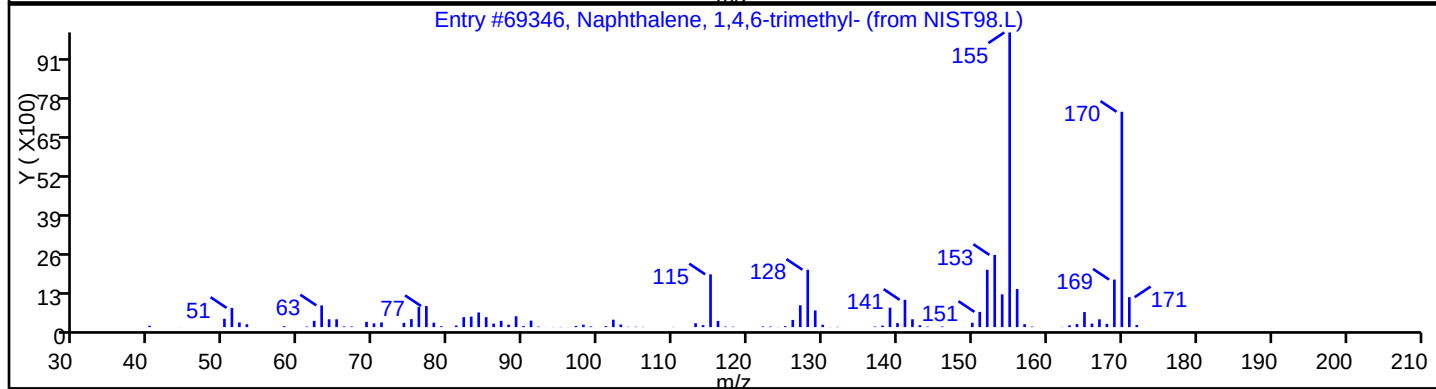
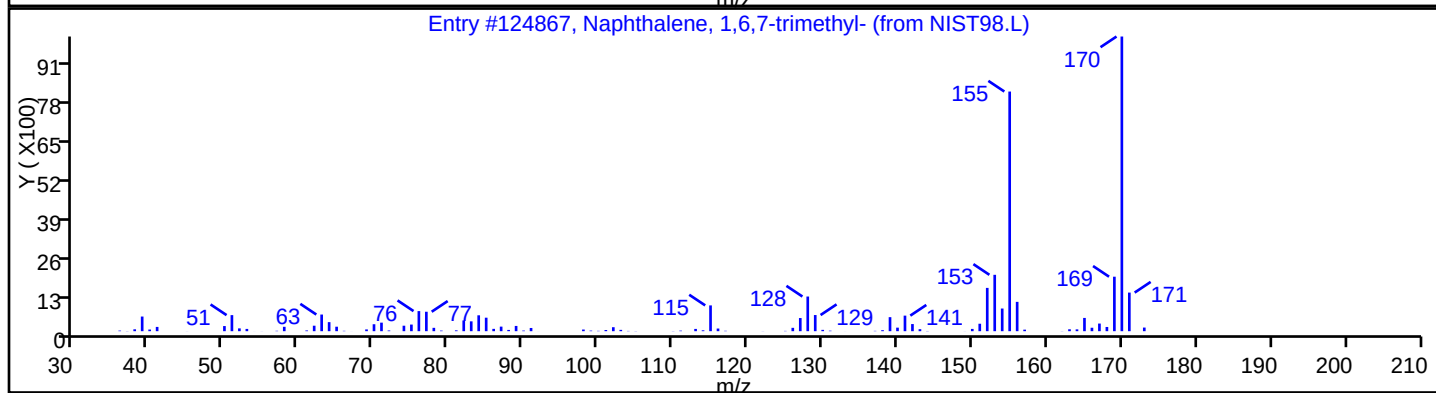
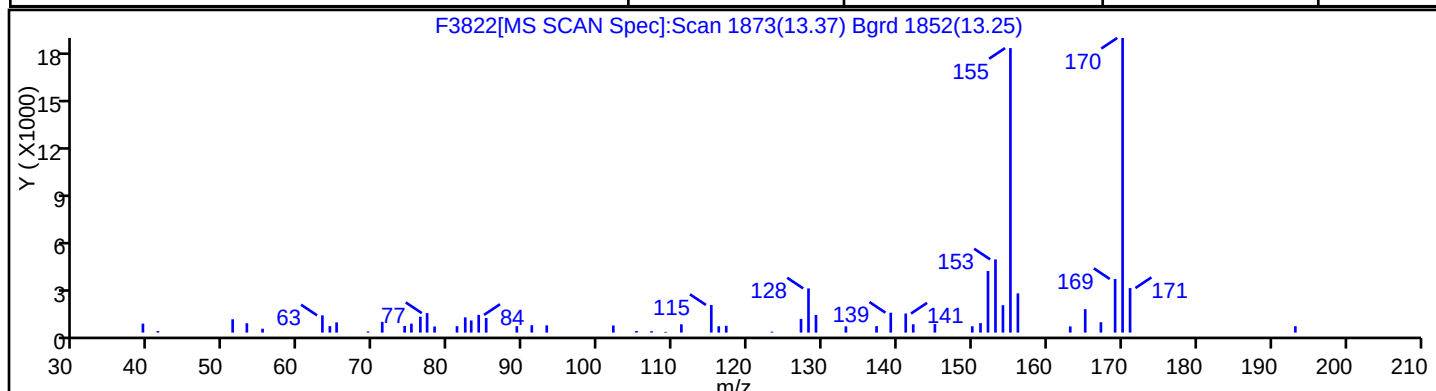
Lims Sample ID: 16

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Naphthalene, 1,6,7-trimethyl-	2245-38-7	NIST98.L	124867	98
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NIST98.L	69346	94
Naphthalene, 2,3,6-trimethyl-	829-26-5	NIST98.L	74366	94



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Client Sample ID: DUP-02 Lab Sample ID: 480-9503-8

Matrix: Solid Lab File ID: F3823.D

Analysis Method: 8260B Date Collected: 09/07/2011 11:00

Sample wt/vol: 6.199(g) Date Analyzed: 09/10/2011 19:53

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: 15.3 Level: (low/med) Low

Analysis Batch No.: 30731 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.8	0.35
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.8	0.77
79-00-5	1,1,2-Trichloroethane	ND		4.8	0.62
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.1
75-34-3	1,1-Dichloroethane	ND		4.8	0.58
75-35-4	1,1-Dichloroethene	ND		4.8	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		4.8	0.29
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.8	2.4
106-93-4	1,2-Dibromoethane	ND		4.8	0.61
95-50-1	1,2-Dichlorobenzene	ND		4.8	0.37
107-06-2	1,2-Dichloroethane	ND		4.8	0.24
78-87-5	1,2-Dichloropropane	ND		4.8	2.4
541-73-1	1,3-Dichlorobenzene	ND		4.8	0.24
106-46-7	1,4-Dichlorobenzene	ND		4.8	0.67
591-78-6	2-Hexanone	ND		24	2.4
78-93-3	2-Butanone (MEK)	ND		24	1.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		24	1.6
67-64-1	Acetone	ND		24	4.0
71-43-2	Benzene	ND		4.8	0.23
75-27-4	Bromodichloromethane	ND		4.8	0.64
75-25-2	Bromoform	ND		4.8	2.4
74-83-9	Bromomethane	ND		4.8	0.43
75-15-0	Carbon disulfide	ND		4.8	2.4
56-23-5	Carbon tetrachloride	ND		4.8	0.46
108-90-7	Chlorobenzene	ND		4.8	0.63
124-48-1	Dibromochloromethane	ND		4.8	0.61
75-00-3	Chloroethane	ND		4.8	1.1
67-66-3	Chloroform	ND		4.8	0.29
74-87-3	Chloromethane	ND		4.8	0.29
156-59-2	cis-1,2-Dichloroethene	ND		4.8	0.61
10061-01-5	cis-1,3-Dichloropropene	ND		4.8	0.69
110-82-7	Cyclohexane	ND		4.8	0.67
75-71-8	Dichlorodifluoromethane	ND		4.8	0.39
100-41-4	Ethylbenzene	ND		4.8	0.33
98-82-8	Isopropylbenzene	ND		4.8	0.72

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: DUP-02 Lab Sample ID: 480-9503-8
 Matrix: Solid Lab File ID: F3823.D
 Analysis Method: 8260B Date Collected: 09/07/2011 11:00
 Sample wt/vol: 6.199(g) Date Analyzed: 09/10/2011 19:53
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: 15.3 Level: (low/med) Low
 Analysis Batch No.: 30731 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.8	0.89
1634-04-4	Methyl tert-butyl ether	ND		4.8	0.47
108-87-2	Methylcyclohexane	ND		4.8	0.72
75-09-2	Methylene Chloride	ND		4.8	2.2
100-42-5	Styrene	ND		4.8	0.24
127-18-4	Tetrachloroethene	ND		4.8	0.64
108-88-3	Toluene	ND		4.8	0.36
156-60-5	trans-1,2-Dichloroethene	ND		4.8	0.49
10061-02-6	trans-1,3-Dichloropropene	ND		4.8	2.1
79-01-6	Trichloroethene	ND		4.8	1.0
75-69-4	Trichlorofluoromethane	ND		4.8	0.45
75-01-4	Vinyl chloride	ND		4.8	0.58
1330-20-7	Xylenes, Total	ND		9.5	0.80

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		64-126
2037-26-5	Toluene-d8 (Surr)	97		71-125
460-00-4	4-Bromofluorobenzene (Surr)	94		72-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: DUP-02 Lab Sample ID: 480-9503-8
Matrix: Solid Lab File ID: F3823.D
Analysis Method: 8260B Date Collected: 09/07/2011 11:00
Sample wt/vol: 6.199(g) Date Analyzed: 09/10/2011 19:53
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
% Moisture: 15.3 Level: (low/med) Low
Analysis Batch No.: 30731 Units: ug/Kg
Number TICs Found: 1 TIC Result Total: 9

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	9.65	9.0	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3823.D
 Lims ID: 480-9503-A-8-A Client ID: DUP-02
 Inject. Date: 10-Sep-2011 19:53:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-9503-A-8-A
 Misc. Info.: 480-0005865-017 =480-0005865-017
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 17
 Lims Batch ID: 30731 Lims Sample ID: 17
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F-8260 SOIL.m
 Last Update: 10-Sep-2011 14:47:06 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: BrandtT

Date: 12-Sep-2011 12:47:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	95	531689	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	84	246625	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.819	-0.001	95	257949	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.434	5.429	0.006	97	88345	47.3	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	545063	48.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.723	9.730	-0.007	87	184614	46.8	
10 Dichlorodifluoromethane	85		2.088					
12 Chloromethane	50		2.240					
13 Vinyl chloride	62		2.368					
14 Bromomethane	94		2.654					
15 Chloroethane	64		2.733					
17 Trichlorofluoromethane	101		2.958					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.336					
22 1,1-Dichloroethene	96		3.372					
23 Acetone	43		3.427					
26 Carbon disulfide	76		3.591					
27 Methyl acetate	43		3.646					
30 Methylene Chloride	84		3.767					
32 Methyl tert-butyl ether	73		3.920					
34 trans-1,2-Dichloroethene	96		3.956					
39 1,1-Dichloroethane	63		4.297					
43 2-Butanone (MEK)	43		4.747					
45 cis-1,2-Dichloroethene	96		4.759					
50 Chloroform	83		5.002					
51 1,1,1-Trichloroethane	97		5.148					
52 Cyclohexane	56		5.179					
55 Carbon tetrachloride	117		5.282					
57 Benzene	78		5.459					
58 1,2-Dichloroethane	62		5.495					
62 Trichloroethene	95	5.982	5.982	0.0	40	1451	0.5027	
64 Methylcyclohexane	83		6.122					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.207					
68 Dichlorobromomethane	83		6.450					
72 cis-1,3-Dichloropropene	75		6.834					
73 4-Methyl-2-pentanone (MIBK)	43		6.931					
74 Toluene	92		7.126					
77 trans-1,3-Dichloropropene	75		7.351					
79 1,1,2-Trichloroethane	83		7.551					
81 Tetrachloroethene	166		7.655					
80 2-Hexanone	43		7.722					
83 Chlorodibromomethane	129		7.965					
84 Ethylene Dibromide	107		8.099					
87 Chlorobenzene	112		8.549					
88 Ethylbenzene	91		8.610					
90 m-Xylene & p-Xylene	106		8.726					
91 o-Xylene	106		9.158					
92 Styrene	104		9.182					
95 Bromoform	173		9.456					
94 Isopropylbenzene	105		9.516					
97 1,1,2,2-Tetrachloroethane	83		9.881					
111 1,3-Dichlorobenzene	146		10.757					
113 1,4-Dichlorobenzene	146		10.837					
116 1,2-Dichlorobenzene	146		11.177					
117 1,2-Dibromo-3-Chloropropane	75		11.853					
119 1,2,4-Trichlorobenzene	180		12.510					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3823.D
Lims ID: 480-9503-A-8-A Client ID: DUP-02
Inject. Date: 10-Sep-2011 19:53:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-9503-A-8-A
Misc. Info.: 480-0005865-017 =480-0005865-017
Operator: PJQ Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 17
Lims Batch ID: 30731 Lims Sample ID: 17
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F-8260 SOIL.m
Last Update: 10-Sep-2011 14:47:06 Calib Date: 01-Sep-2011 15:38:30
Tic RT Window: 1.500 -0.000 Response: area
Quant By: Nearest ISTD Quant LOD: 10.00000
MS Library: \\Bufchrom\ChromData\Database\NIST98.L
Min. Match: 85
Process Host: CORP-CTX-16

First Level Reviewer: BrandtT

Date: 12-Sep-2011 12:47:08

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.090	4455	0.9487	

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
Unknown						
9.650	282425	9.50	2			

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 2 Chlorobenzene-d5	8.519	1486862	50.0

QC Flag Legend

Processing Flags

Report Date: 12-Sep-2011 12:47:08

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3823.D

Injection Date: 10-Sep-2011 19:53:30

Limit Group: MV - 8260B ICAL

Client ID: DUP-02

Instrument ID: HP5973F

Lims Batch ID: 30731

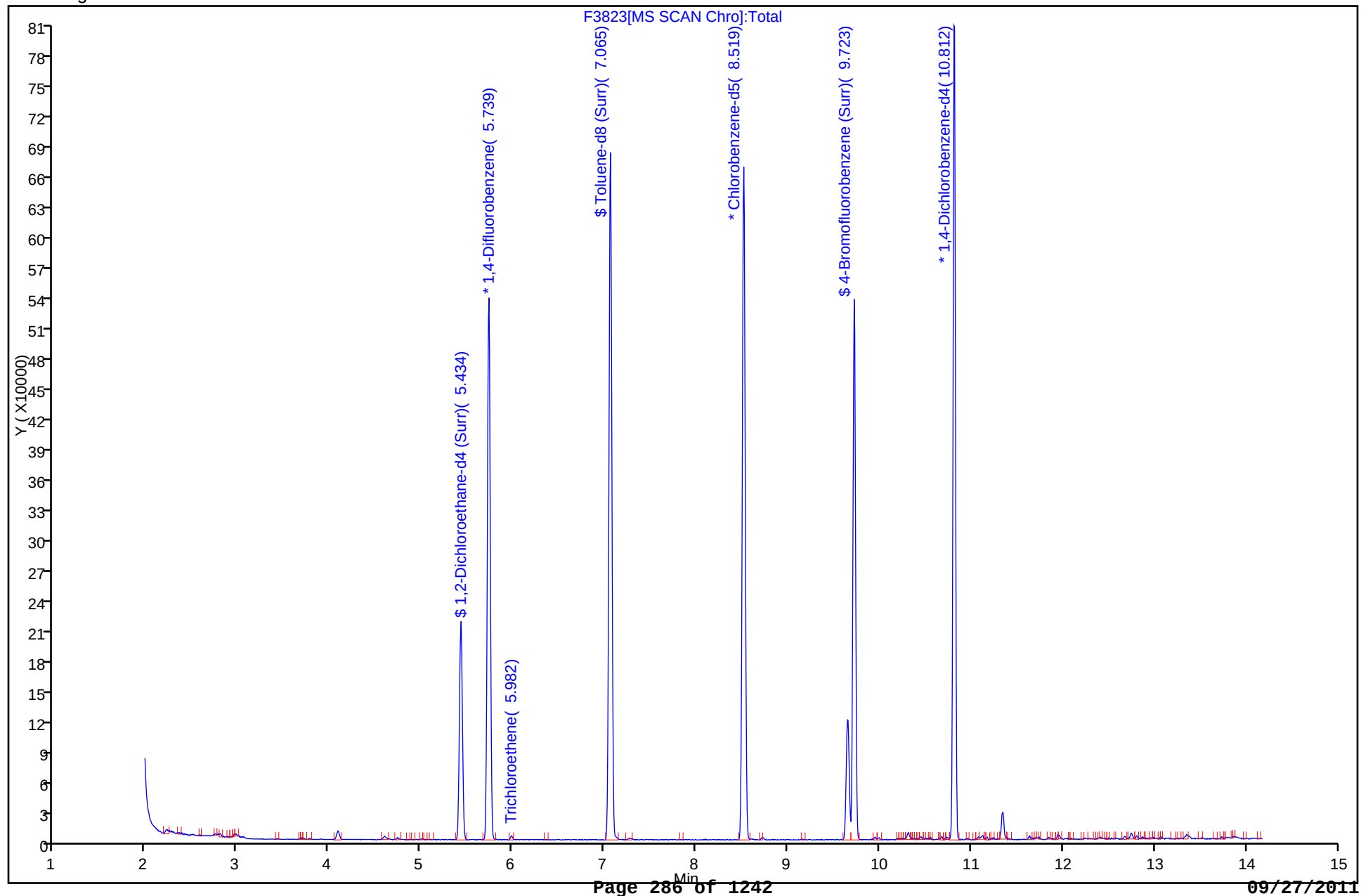
Lims Sample ID: 17

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 12-Sep-2011 12:47:08

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3823.D

Injection Date: 10-Sep-2011 19:53:30

Limit Group: MV - 8260B ICAL

Client ID: DUP-02

Instrument ID: HP5973F

Lims Batch ID: 30731

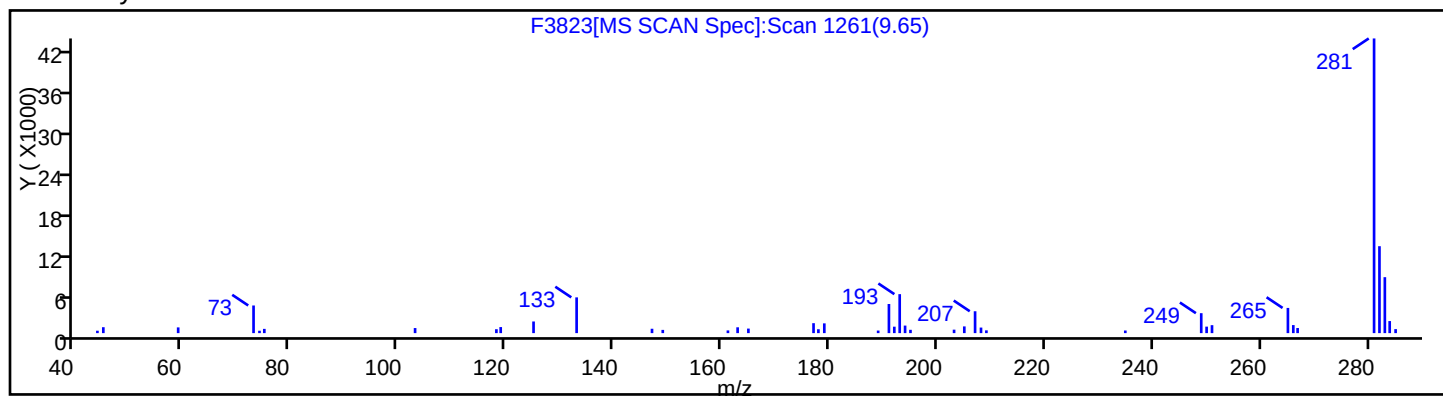
Lims Sample ID: 17

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: TRIP BLANK Lab Sample ID: 480-9503-9
 Matrix: Water Lab File ID: F3812.D
 Analysis Method: 8260B Date Collected: 09/07/2011 00:00
 Sample wt/vol: 5(g) Date Analyzed: 09/10/2011 15:12
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 31837 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: TRIP BLANK Lab Sample ID: 480-9503-9
 Matrix: Water Lab File ID: F3812.D
 Analysis Method: 8260B Date Collected: 09/07/2011 00:00
 Sample wt/vol: 5(g) Date Analyzed: 09/10/2011 15:12
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 31837 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	1.5	B	1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	0.68	J	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		66-137
2037-26-5	Toluene-d8 (Surr)	97		71-126
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: TRIP BLANK Lab Sample ID: 480-9503-9
Matrix: Water Lab File ID: F3812.D
Analysis Method: 8260B Date Collected: 09/07/2011 00:00
Sample wt/vol: 5(g) Date Analyzed: 09/10/2011 15:12
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 31837 Units: ug/L
Number TICs Found: 2 TIC Result Total: 6.98

CAS NO.	COMPOUND NAME	RT	RESULT	Q
110-54-3	Hexane	4.10	0.58	J
	Unknown	4.61	6.4	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110919-6069.b\F3812.D
 Lims ID: 480-9503-A-9 Client ID: TRIP BLANK
 Inject. Date: 10-Sep-2011 15:12:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-9503-A-9
 Misc. Info.: 480-0005865-006 =480-0005865-006
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 31837 Lims Sample ID: 6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110919-6069.b\F-8260 SOIL.m
 Last Update: 19-Sep-2011 14:48:27 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	95	510209	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	84	239702	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.819	10.819	0.0	94	256821	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.435	5.429	0.007	96	85596	47.8	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	530031	48.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.723	9.730	-0.007	87	180100	46.9	
10 Dichlorodifluoromethane	85		2.088					
12 Chloromethane	50		2.240					
13 Vinyl chloride	62		2.368					
14 Bromomethane	94		2.654					
15 Chloroethane	64		2.733					
17 Trichlorofluoromethane	101		2.958					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.336					
22 1,1-Dichloroethene	96		3.372					
23 Acetone	43		3.427					
26 Carbon disulfide	76		3.591					
27 Methyl acetate	43		3.646					
30 Methylene Chloride	84	3.768	3.767	0.001	58	3893	1.50	
32 Methyl tert-butyl ether	73		3.920					
34 trans-1,2-Dichloroethene	96		3.956					
39 1,1-Dichloroethane	63		4.297					
43 2-Butanone (MEK)	43		4.747					
45 cis-1,2-Dichloroethene	96		4.759					
50 Chloroform	83		5.002					
51 1,1,1-Trichloroethane	97		5.148					
52 Cyclohexane	56		5.179					
55 Carbon tetrachloride	117		5.282					
57 Benzene	78		5.459					
58 1,2-Dichloroethane	62		5.495					
62 Trichloroethene	95		5.982					
64 Methylcyclohexane	83		6.122					
65 1,2-Dichloropropane	63		6.207					
68 Dichlorobromomethane	83		6.450					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
72 cis-1,3-Dichloropropene	75		6.834					
73 4-Methyl-2-pentanone (MIBK)	43		6.931					
74 Toluene	92	7.132	7.126	0.006	40	4968	0.6816	
77 trans-1,3-Dichloropropene	75		7.351					
79 1,1,2-Trichloroethane	83		7.551					
81 Tetrachloroethene	166		7.655					
80 2-Hexanone	43		7.722					
83 Chlorodibromomethane	129		7.965					
84 Ethylene Dibromide	107		8.099					
87 Chlorobenzene	112		8.549					
88 Ethylbenzene	91		8.610					
90 m-Xylene & p-Xylene	106		8.726					
91 o-Xylene	106		9.158					
92 Styrene	104		9.182					
95 Bromoform	173		9.456					
94 Isopropylbenzene	105		9.516					
97 1,1,2,2-Tetrachloroethane	83		9.881					
111 1,3-Dichlorobenzene	146		10.757					
113 1,4-Dichlorobenzene	146		10.837					
116 1,2-Dichlorobenzene	146		11.177					
117 1,2-Dibromo-3-Chloropropane	75		11.853					
119 1,2,4-Trichlorobenzene	180		12.510					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110919-6069.b\F3812.D
Lims ID: 480-9503-A-9 Client ID: TRIP BLANK
Inject. Date: 10-Sep-2011 15:12:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-9503-A-9
Misc. Info.: 480-0005865-006 =480-0005865-006
Operator: PJQ Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 6
Lims Batch ID: 31837 Lims Sample ID: 6
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20110919-6069.b\F-8260 SOIL.m
Last Update: 19-Sep-2011 14:48:27 Calib Date: 01-Sep-2011 15:38:30
Tic RT Window: 1.500 -0.000 Response: area
Quant By: Nearest ISTD Quant LOD: 10.00000
MS Library: \\Bufchrom\ChromData\Database\NIST98.L
Min. Match: 85
Process Host: CORP-CTX-19

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags

Hexane	4.096	2620	0.5815	

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags

4.607	148453	6.36	1		Unknown	

Quantitation Compounds

Compound	RT	Response	Amount ug/kg

* 1,1,4-Difluorobenzene	5.739	1167919	50.0

QC Flag Legend

Processing Flags

Report Date: 19-Sep-2011 14:48:28

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110919-6069.b\F3812.D

Injection Date: 10-Sep-2011 15:12:30

Limit Group: MV - 8260B ICAL

Client ID: TRIP BLANK

Instrument ID: HP5973F

Lims Batch ID: 31837

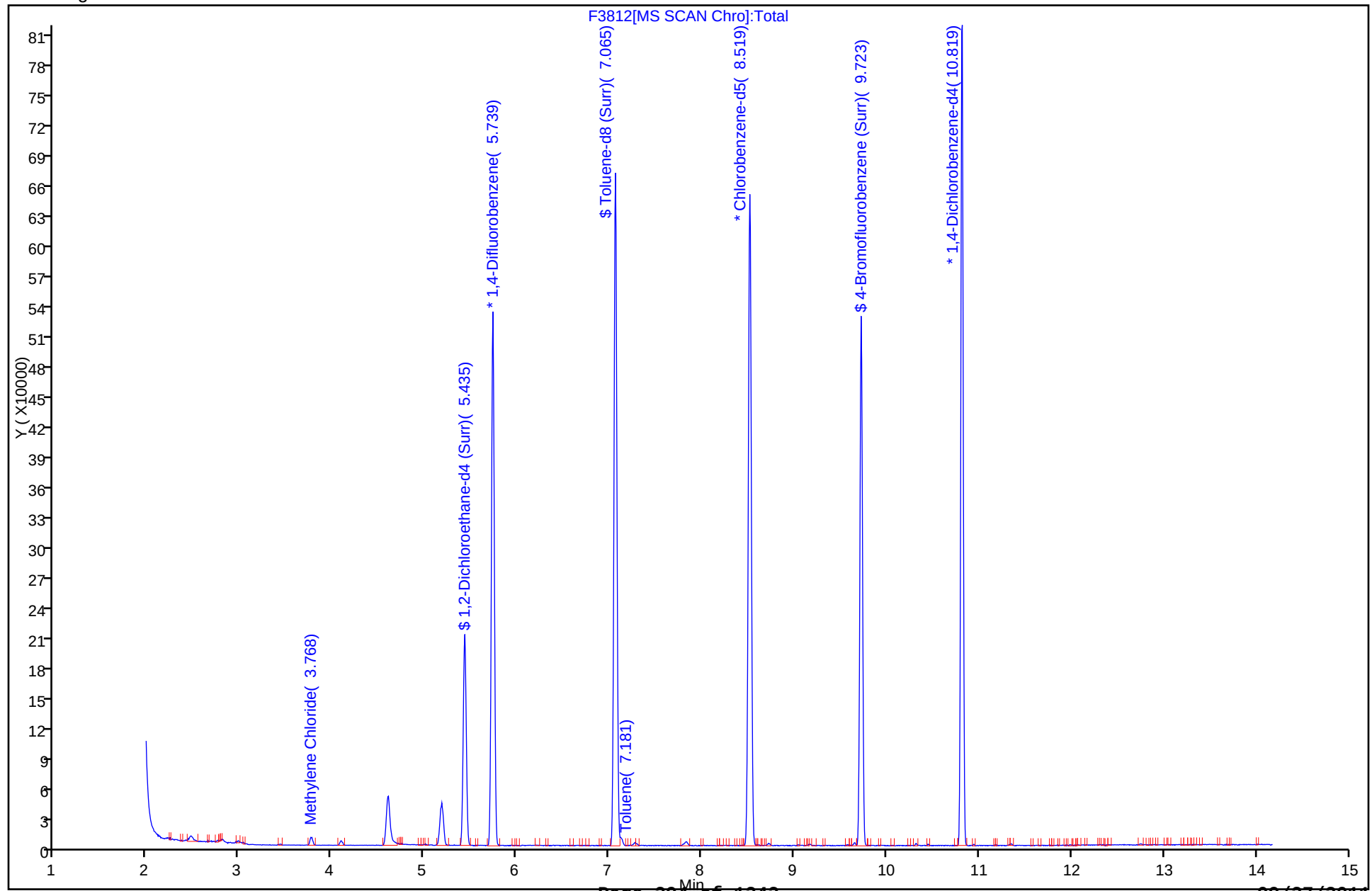
Lims Sample ID: 6

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 19-Sep-2011 14:48:28

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110919-6069.b\F3812.D

Injection Date: 10-Sep-2011 15:12:30

Limit Group: MV - 8260B ICAL

Client ID: TRIP BLANK

Instrument ID: HP5973F

Lims Batch ID: 31837

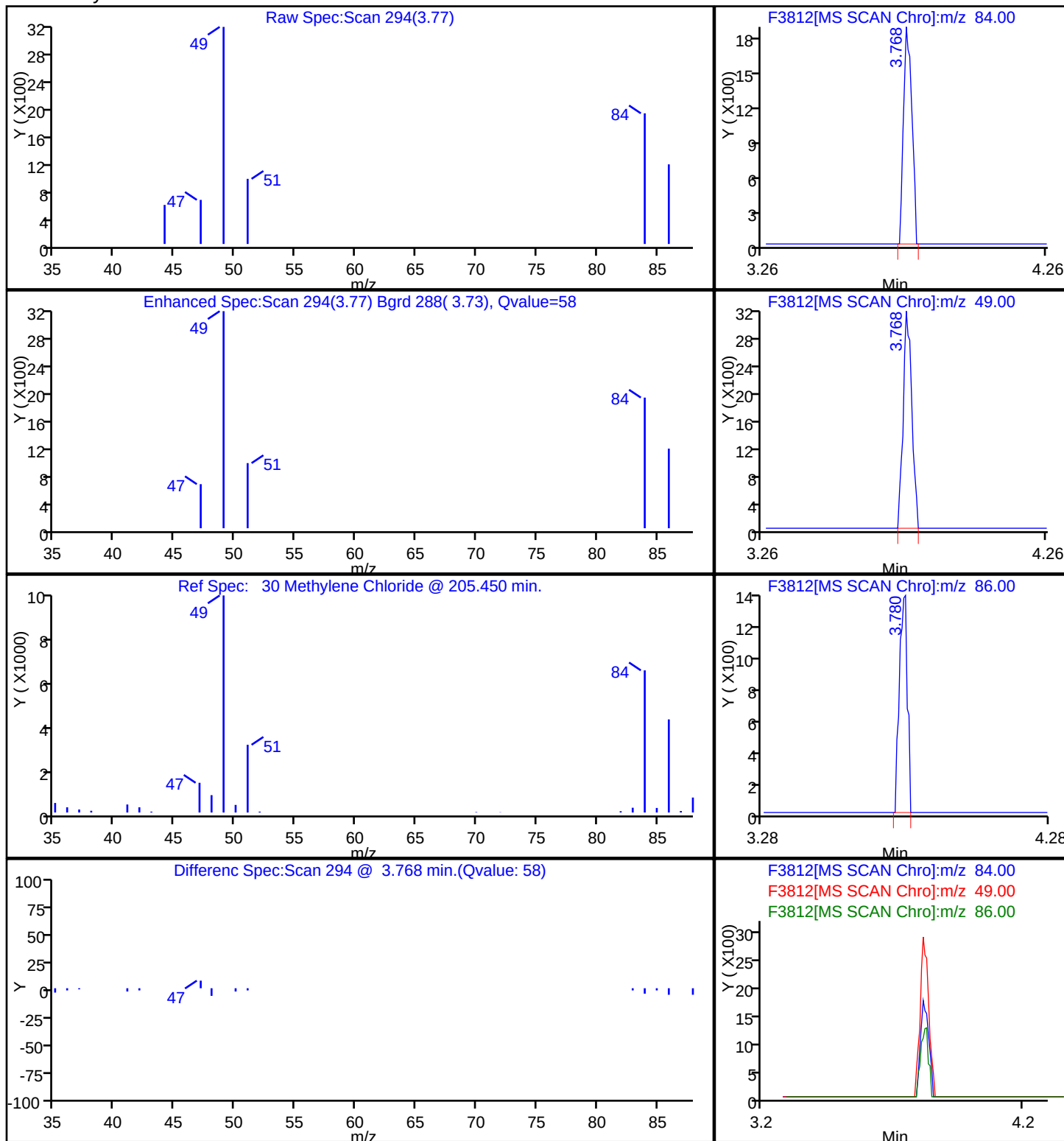
Lims Sample ID: 6

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

30 Methylene Chloride



Report Date: 19-Sep-2011 14:48:28

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110919-6069.b\F3812.D

Injection Date: 10-Sep-2011 15:12:30

Limit Group: MV - 8260B ICAL

Client ID: TRIP BLANK

Instrument ID: HP5973F

Lims Batch ID: 31837

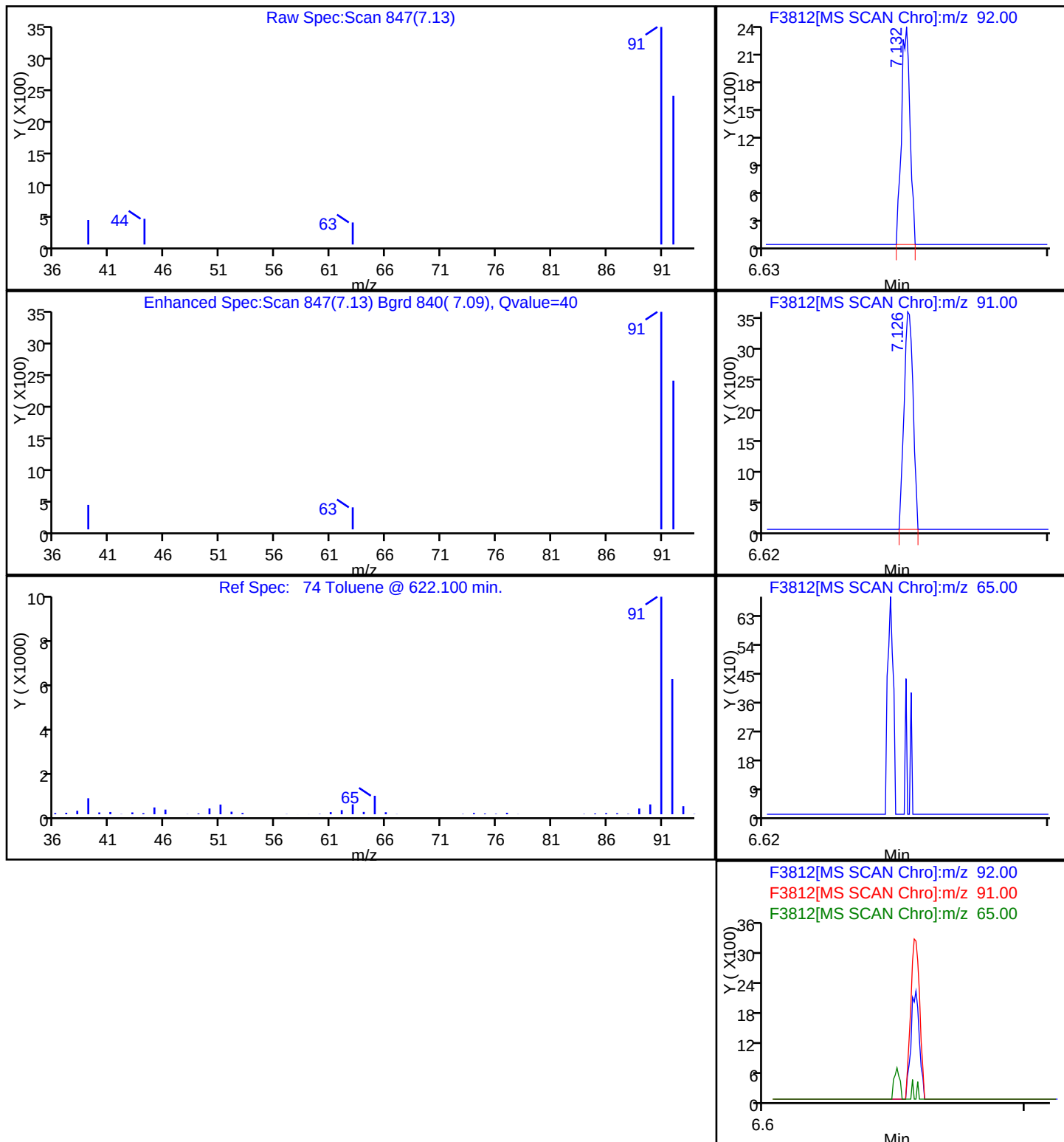
Lims Sample ID: 6

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

74 Toluene



Report Date: 19-Sep-2011 14:48:28

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110919-6069.b\F3812.D

Injection Date: 10-Sep-2011 15:12:30

Limit Group: MV - 8260B ICAL

Client ID: TRIP BLANK

Instrument ID: HP5973F

Lims Batch ID: 31837

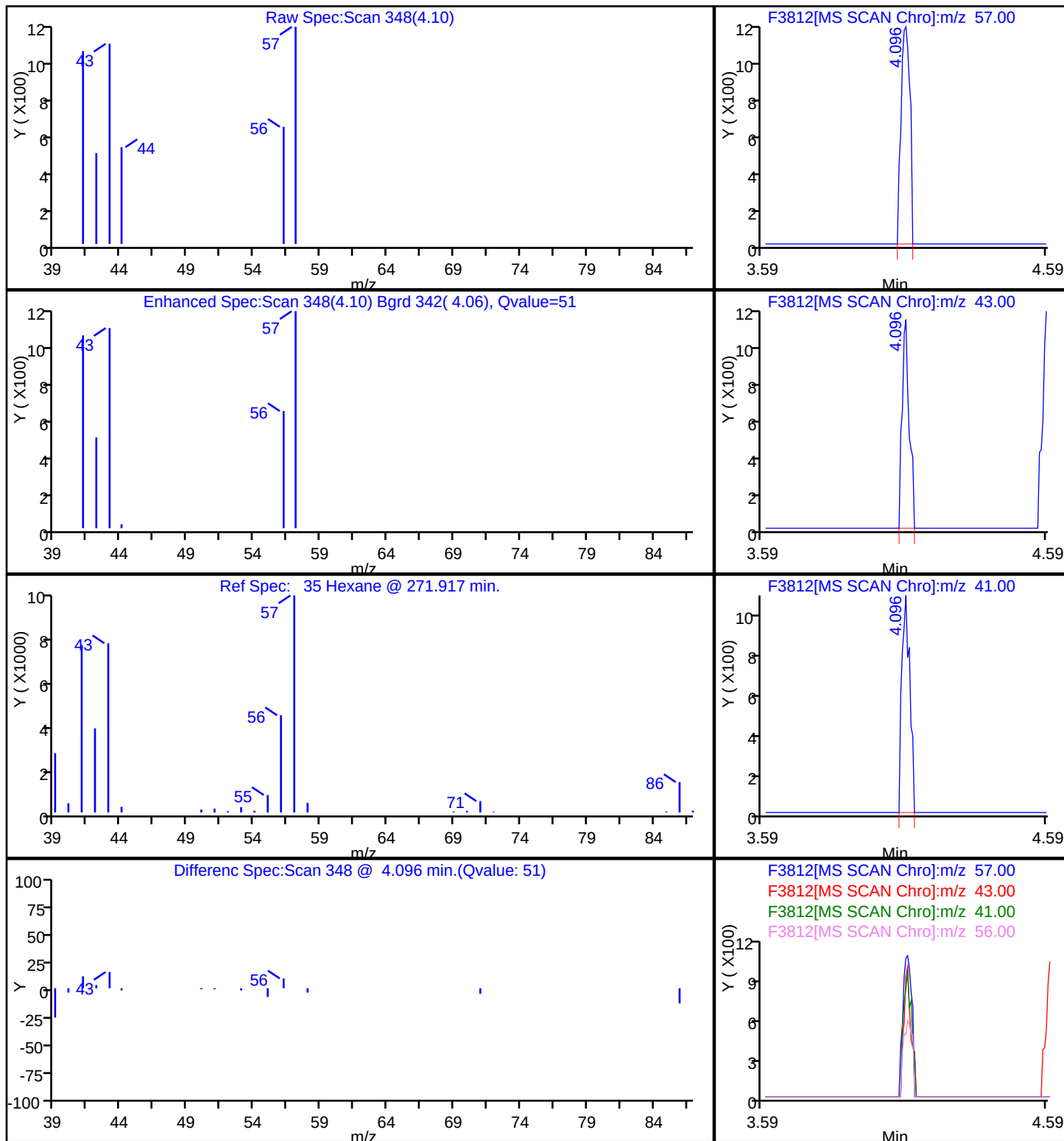
Lims Sample ID: 6

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

35 Hexane



Report Date: 19-Sep-2011 14:48:28

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110919-6069.b\F3812.D

Injection Date: 10-Sep-2011 15:12:30

Limit Group: MV - 8260B ICAL

Client ID: TRIP BLANK

Instrument ID: HP5973F

Lims Batch ID: 31837

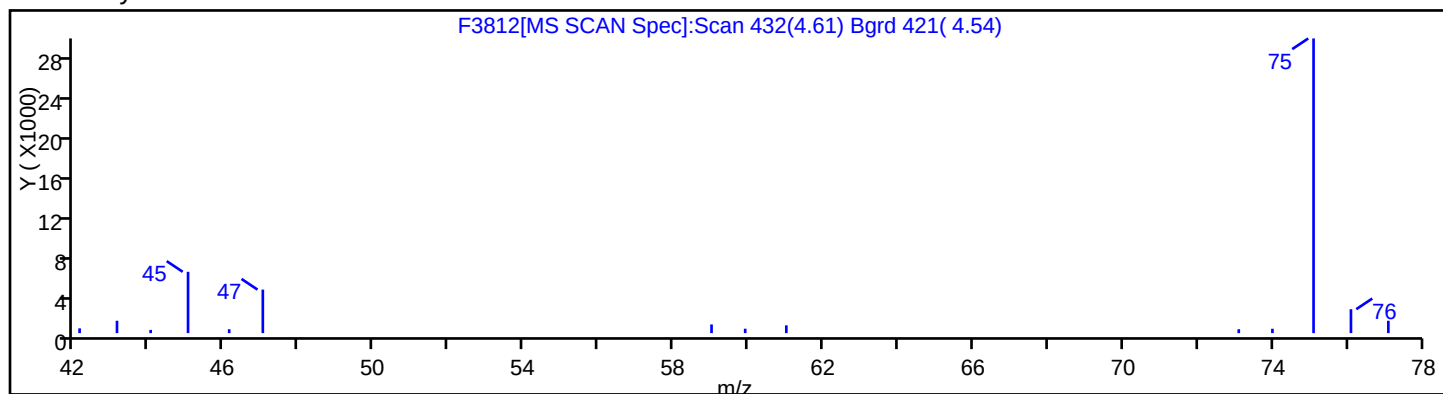
Lims Sample ID: 6

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 29632

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/31/2011 18:44 Calibration End Date: 08/31/2011 20:52 Calibration ID: 3800

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 480-29632/12	F3638.D
Level 2	STD8 480-29632/13	F3639.D
Level 3	STD9 480-29632/14	F3640.D
Level 4	STD10 480-29632/15	F3641.D
Level 5	STD11 480-29632/16	F3642.D
Level 6	STD12 480-29632/17	F3643.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorodifluoromethane	0.2681 0.2728	0.2718	0.2751	0.2794	0.2756	Ave		0.2738				1.4		15.0			
Dichlorofluoromethane	0.3078 0.2772	0.3122	0.3067	0.3010	0.2905	Ave		0.2992				4.4		15.0			
Ethyl ether	0.2561 0.2469	0.2601	0.2452	0.2509	0.2589	Ave		0.2530				2.5		15.0			
Propene oxide	0.0736 0.0733	0.0746	0.0724	0.0722	0.0758	Ave		0.0737				1.8		15.0			
Isopropyl alcohol	0.0299 0.0305	0.0298	0.0293	0.0293	0.0315	Ave		0.0300				2.8		15.0			
Allyl chloride	0.5256 0.4556	0.5040	0.4700	0.4665	0.4702	Ave		0.4820				5.6		15.0			
t-Butyl alcohol	0.0479 0.0500	0.0472	0.0464	0.0470	0.0513	Ave		0.0483				4.0		15.0			
Hexane	0.4957 0.4106	0.4536	0.4336	0.4359	0.4201	Ave		0.4416				6.9		15.0			
Isopropyl ether	1.0838 1.0401	1.0663	1.0421	1.0587	1.0806	Ave		1.0619				1.7		15.0			
1,1-Dimethoxyethane	0.0677 0.0706	0.0673	0.0651	0.0664	0.0714	Ave		0.0681				3.6		15.0			
Chloroprene	0.4479 0.4397	0.4582	0.4504	0.4634	0.4534	Ave		0.4522				1.8		15.0			
Tert-butyl ethyl ether	1.0383 0.9473	0.9987	0.9414	0.9646	0.9840	Ave		0.9790				3.7		15.0			
Ethyl acetate	0.3641 0.3322	0.3269	0.3147	0.3180	0.3367	Ave		0.3321				5.3		15.0			
Propionitrile	0.0520 0.0527	0.0499	0.0506	0.0495	0.0536	Ave		0.0514				3.2		15.0			
Methacrylonitrile	0.2388 0.2315	0.2301	0.2179	0.2254	0.2363	Ave		0.2300				3.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 29632

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/31/2011 18:44 Calibration End Date: 08/31/2011 20:52 Calibration ID: 3800

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isobutyl alcohol	0.0224 0.0222	0.0218	0.0214	0.0220	0.0230	Ave		0.0221				2.5		15.0			
Tert-amyl methyl ether	0.8342 0.8110	0.8323	0.7898	0.8200	0.8358	Ave		0.8205				2.2		15.0			
n-Heptane	0.5387 0.4867	0.5431	0.5109	0.5166	0.4951	Ave		0.5152				4.4		15.0			
n-Butanol	0.0131 0.0146	0.0133	0.0135	0.0140	0.0148	Ave		0.0139				5.0		15.0			
Methyl methacrylate	0.3470 0.3411	0.3368	0.3258	0.3326	0.3488	Ave		0.3387				2.6		15.0			
1,4-Dioxane	0.0075 0.0085	0.0081	0.0085	0.0081	0.0088	Ave		0.0083				5.5		15.0			
2-Nitropropane	0.1128 0.2037	0.1119	0.1240	0.1479	0.1840	LinF		0.1965							0.9900		0.9900
Epichlorohydrin	0.0390 0.0390	0.0389	0.0383	0.0382	0.0403	Ave		0.0390				1.9		15.0			
3-Chlorobenzotrifluoride	0.8727 0.8152	0.8736	0.8881	0.8753	0.8275	Ave		0.8587				3.5		15.0			
p-Monochlorobenzotrifluoride	0.8682 0.7615	0.8082	0.8095	0.8088	0.7776	Ave		0.8056				4.5		15.0			
2-Chlorobenzotrifluoride	0.8470 0.7837	0.8326	0.8434	0.8288	0.8103	Ave		0.8243				2.9		15.0			
Cyclohexanone	0.1018 0.0862	0.0964	0.0947	0.0960	0.0894	Ave		0.0941				5.9		15.0			
3-Chlorotoluene	0.7204 0.6785	0.7207	0.7165	0.7025	0.6975	Ave		0.7060				2.3		15.0			
Pentachloroethane	0.2401 0.2507	0.2292	0.2304	0.2534	0.2522	Ave		0.2427				4.6		15.0			
Dicyclopentadiene	2.6748 2.2361	2.5480	2.5052	2.4752	2.3569	Ave		2.4660				6.2		15.0			
1,2,3-Trimethylbenzene	2.4156 2.1726	2.3814	2.3614	2.3492	2.2952	Ave		2.3292				3.7		15.0			
1,3,5-Trichlorobenzene	0.9714 0.8325	0.8654	0.8919	0.8846	0.8807	Ave		0.8877				5.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 29632

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/31/2011 18:44 Calibration End Date: 08/31/2011 20:52 Calibration ID: 3800

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 480-29632/12	F3638.D
Level 2	STD8 480-29632/13	F3639.D
Level 3	STD9 480-29632/14	F3640.D
Level 4	STD10 480-29632/15	F3641.D
Level 5	STD11 480-29632/16	F3642.D
Level 6	STD12 480-29632/17	F3643.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Chlorodifluoromethane	DFB	Ave	13533 559377	27359	55494	142092	279477	5.00 200	10.0	20.0	50.0	100
Dichlorofluoromethane	DFB	Ave	15537 568567	31422	61857	153074	294589	5.00 200	10.0	20.0	50.0	100
Ethyl ether	DFB	Ave	12928 506433	26187	49461	127590	262561	5.00 200	10.0	20.0	50.0	100
Propene oxide	DFB	Ave	18577 752139	37552	73067	183642	384261	25.0 1000	50.0	100	250	500
Isopropyl alcohol	DFB	Ave	30139 1249131	59930	118213	297672	637975	100 4000	200	400	1000	2000
Allyl chloride	DFB	Ave	26529 934321	50731	94809	237261	476754	5.00 200	10.0	20.0	50.0	100
t-Butyl alcohol	DFB	Ave	48339 2049553	95086	187177	478305	1039989	100 4000	200	400	1000	2000
Hexane	DFB	Ave	25017 842037	45661	87461	221728	425963	5.00 200	10.0	20.0	50.0	100
Isopropyl ether	DFB	Ave	54700 2133168	107334	210193	538461	1095742	5.00 200	10.0	20.0	50.0	100
1,1-Dimethoxyethane	DFB	Ave	17083 724195	33864	65655	168864	361880	25.0 1000	50.0	100	250	500
Chloroprene	DFB	Ave	22608 901667	46122	90857	235696	459743	5.00 200	10.0	20.0	50.0	100
Tert-butyl ethyl ether	DFB	Ave	52406 1942774	100532	189889	490605	997726	5.00 200	10.0	20.0	50.0	100
Ethyl acetate	DFB	Ave	18377 681382	32906	63468	161761	341430	5.00 200	10.0	20.0	50.0	100
Propionitrile	DFB	Ave	26244 1080927	50198	102032	251902	543347	50.0 2000	100	200	500	1000
Methacrylonitrile	DFB	Ave	12053 474739	23160	43960	114642	239643	5.00 200	10.0	20.0	50.0	100
Isobutyl alcohol	DFB	Ave	45139 1820513	87764	172439	447171	932708	200 8000	400	800	2000	4000

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 29632

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/31/2011 18:44 Calibration End Date: 08/31/2011 20:52 Calibration ID: 3800

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Tert-amyl methyl ether	DFB	Ave	42101 1663220	83781	159310	417076	847493	5.00 200	10.0	20.0	50.0	100
n-Heptane	DFB	Ave	27189 998189	54670	103048	262741	502077	5.00 200	10.0	20.0	50.0	100
n-Butanol	DFB	Ave	26397 1194003	53524	108616	285385	599004	200 8000	400	800	2000	4000
Methyl methacrylate	DFB	Ave	17514 699574	33899	65722	169166	353714	5.00 200	10.0	20.0	50.0	100
1,4-Dioxane	CBZ	Ave	6968 317122	14952	31027	76445	166616	200 8000	400	800	2000	4000
2-Nitropropane	DCB	LinF	14267 1019884	28368	61139	185749	463570	25.0 1000	50.0	100	250	500
Epichlorohydrin	DFB	Ave	39411 1601103	78384	154464	388187	817148	100 4000	200	400	1000	2000
3-Chlorobenzotrifluoride	DCB	Ave	22072 816266	44276	87572	219798	417000	5.00 200	10.0	20.0	50.0	100
p-Monochlorobenzotrifluoride	DCB	Ave	21960 762493	40959	79820	203101	391844	5.00 200	10.0	20.0	50.0	100
2-Chlorobenzotrifluoride	DCB	Ave	21422 784671	42200	83159	208131	408334	5.00 200	10.0	20.0	50.0	100
Cyclohexanone	DCB	Ave	25743 863297	48878	93329	240972	450710	50.0 2000	100	200	500	1000
3-Chlorotoluene	DCB	Ave	18220 679372	36525	70645	176403	351477	5.00 200	10.0	20.0	50.0	100
Pentachloroethane	DCB	Ave	6073 251052	11614	22717	63644	127082	5.00 200	10.0	20.0	50.0	100
Dicyclopentadiene	DCB	Ave	67652 2239022	129136	247021	621565	1187631	5.00 200	10.0	20.0	50.0	100
1,2,3-Trimethylbenzene	DCB	Ave	61097 2175371	120692	232841	589916	1156545	5.00 200	10.0	20.0	50.0	100
1,3,5-Trichlorobenzene	DCB	Ave	24569 833573	43858	87941	222136	443792	5.00 200	10.0	20.0	50.0	100

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3638.D
 Lims ID: STD7 Client ID:
 Inject. Date: 31-Aug-2011 18:44:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: STD7
 Misc. Info.: 480-0005677-012 =480-0005677-012
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 29632 Lims Sample ID: 12
 Sublist: chrom-F-8260 SOIL*sub6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F-8260 SOIL.m
 Last Update: 01-Sep-2011 09:46:56 Calib Date: 31-Aug-2011 20:52:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3643.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 01-Sep-2011 09:46:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	504713	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	85	232347	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.818	0.0	95	252925	50.0	
11 Chlorodifluoromethane	51	2.101	2.107	-0.006	70	13533	4.90	
16 Dichlorofluoromethane	67	2.910	2.910	0.0	37	15537	5.14	
18 Ethyl ether	59	3.141	3.141	0.0	78	12928	5.06	
19 Propene oxide	58	3.250	3.244	0.006	76	18577	25.0	
24 Isopropyl alcohol	45	3.512	3.506	0.006	89	30139	99.5	
28 3-Chloro-1-propene	41	3.652	3.652	0.0	71	26529	5.45	
31 2-Methyl-2-propanol	59	3.816	3.816	0.0	92	48339	99.2	
35 Hexane	57	4.096	4.096	0.0	89	25017	5.61	
36 Isopropyl ether	45	4.248	4.248	0.0	93	54700	5.10	
38 1,1-Dimethoxyethane	75	4.321	4.321	0.0	60	17083	24.9	
40 2-Chloro-1,3-butadiene	53	4.352	4.352	0.0	77	22608	4.95	
41 Tert-butyl ethyl ether	59	4.528	4.528	0.0	96	52406	5.30	
42 Ethyl acetate	43	4.735	4.735	0.0	88	18377	5.48	
46 Propionitrile	54	4.844	4.844	0.0	91	26244	50.6	
47 Methacrylonitrile	41	4.942	4.942	0.0	77	12053	5.19	
53 Isobutyl alcohol	43	5.319	5.319	0.0	87	45139	202.2	
56 Tert-amyl methyl ether	73	5.471	5.471	0.0	91	42101	5.08	
59 n-Heptane	43	5.544	5.544	0.0	85	27189	5.23	
60 n-Butanol	56	5.879	5.872	0.007	82	26397	188.6	
63 Methyl methacrylate	41	6.213	6.213	0.0	74	17514	5.12	
66 1,4-Dioxane	88	6.317	6.317	0.0	59	6968	181.5	
70 2-Nitropropane	43	6.663	6.663	0.0	83	14267	14.3	
71 Epichlorohydrin	57	6.779	6.779	0.0	88	39411	100.2	
85 3-Chlorobenzotrifluoride	180	8.440	8.440	0.0	42	22072	5.08	
86 4-Chlorobenzotrifluoride	180	8.494	8.494	0.0	36	21960	5.39	
93 2-Chlorobenzotrifluoride	180	9.431	9.425	0.006	61	21422	5.14	
96 Cyclohexanone	55	9.711	9.711	0.0	45	25743	54.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
104 3-Chlorotoluene	126	10.113	10.113	0.0	90	18220	5.10	
108 Pentachloroethane	167	10.478	10.478	0.0	60	6073	4.95	
114 Dicyclopentadiene	66	10.831	10.837	-0.006	58	67652	5.42	
112 1,2,3-Trimethylbenzene	105	10.849	10.849	0.0	62	61097	5.19	
118 1,3,5-Trichlorobenzene	180	11.974	11.974	0.0	85	24569	5.47	

Report Date: 01-Sep-2011 09:46:56

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3638.D

Injection Date: 31-Aug-2011 18:44:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29632

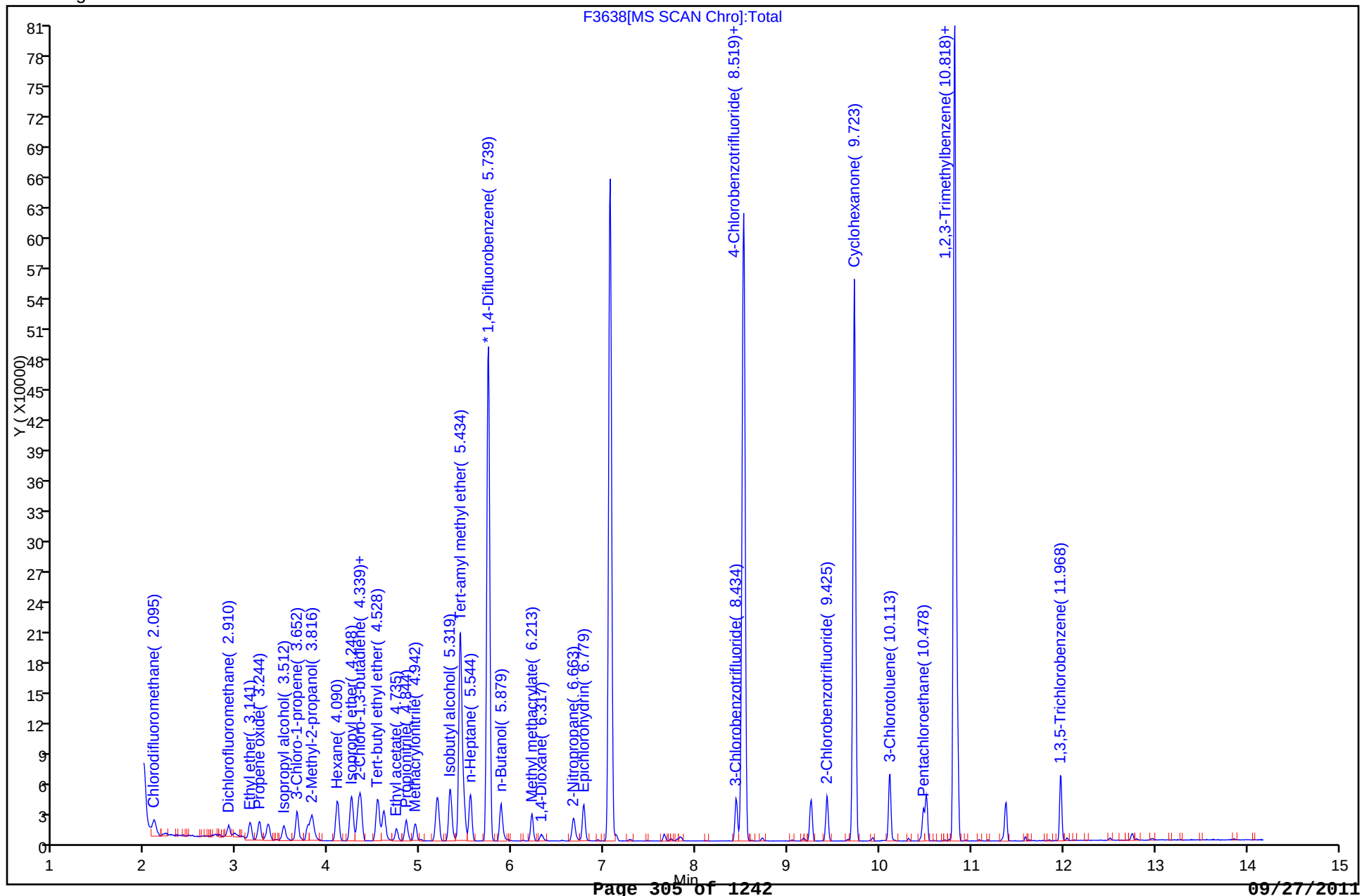
Lims Sample ID: 12

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3639.D
 Lims ID: STD8 Client ID:
 Inject. Date: 31-Aug-2011 19:10:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: STD8
 Misc. Info.: 480-0005677-013 =480-0005677-013
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 29632 Lims Sample ID: 13
 Sublist: chrom-F-8260 SOIL*sub6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F-8260 SOIL.m
 Last Update: 01-Sep-2011 09:47:07 Calib Date: 31-Aug-2011 20:52:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3643.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 01-Sep-2011 09:47:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	503308	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	86	229532	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.812	10.818	-0.006	95	253409	50.0	
11 Chlorodifluoromethane	51	2.107	2.107	0.0	67	27359	9.93	
16 Dichlorofluoromethane	67	2.910	2.910	0.0	70	31422	10.4	
18 Ethyl ether	59	3.147	3.141	0.006	91	26187	10.3	
19 Propene oxide	58	3.250	3.244	0.006	86	37552	50.6	
24 Isopropyl alcohol	45	3.512	3.506	0.006	96	59930	198.3	
28 3-Chloro-1-propene	41	3.658	3.652	0.006	82	50731	10.5	
31 2-Methyl-2-propanol	59	3.816	3.816	0.0	96	95086	195.6	
35 Hexane	57	4.096	4.096	0.0	93	45661	10.3	
36 Isopropyl ether	45	4.248	4.248	0.0	94	107334	10.0	
38 1,1-Dimethoxyethane	75	4.327	4.321	0.006	66	33864	49.4	
40 2-Chloro-1,3-butadiene	53	4.352	4.352	0.0	88	46122	10.1	
41 Tert-butyl ethyl ether	59	4.534	4.528	0.006	96	100532	10.2	
42 Ethyl acetate	43	4.741	4.735	0.006	95	32906	9.84	
46 Propionitrile	54	4.844	4.844	0.0	96	50198	97.1	
47 Methacrylonitrile	41	4.948	4.942	0.006	83	23160	10.0	
53 Isobutyl alcohol	43	5.325	5.319	0.006	94	87764	394.2	
56 Tert-amyl methyl ether	73	5.471	5.471	0.0	94	83781	10.1	
59 n-Heptane	43	5.544	5.544	0.0	87	54670	10.5	
60 n-Butanol	56	5.879	5.872	0.007	85	53524	383.5	
63 Methyl methacrylate	41	6.213	6.213	0.0	86	33899	9.94	
66 1,4-Dioxane	88	6.310	6.317	-0.007	82	14952	394.3	
70 2-Nitropropane	43	6.669	6.663	0.006	96	28368	28.5	
71 Epichlorohydrin	57	6.779	6.779	0.0	96	78384	199.9	
85 3-Chlorobenzotrifluoride	180	8.440	8.440	0.0	74	44276	10.2	
86 4-Chlorobenzotrifluoride	180	8.494	8.494	0.0	54	40959	10.0	
93 2-Chlorobenzotrifluoride	180	9.425	9.425	0.0	89	42200	10.1	
96 Cyclohexanone	55	9.711	9.711	0.0	55	48878	102.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
104 3-Chlorotoluene	126	10.107	10.113	-0.006	94	36525	10.2	
108 Pentachloroethane	167	10.472	10.478	-0.006	64	11614	9.44	
114 Dicyclopentadiene	66	10.831	10.837	-0.006	76	129136	10.3	
112 1,2,3-Trimethylbenzene	105	10.849	10.849	0.0	66	120692	10.2	
118 1,3,5-Trichlorobenzene	180	11.974	11.974	0.0	92	43858	9.75	

Report Date: 01-Sep-2011 09:47:07

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3639.D

Injection Date: 31-Aug-2011 19:10:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29632

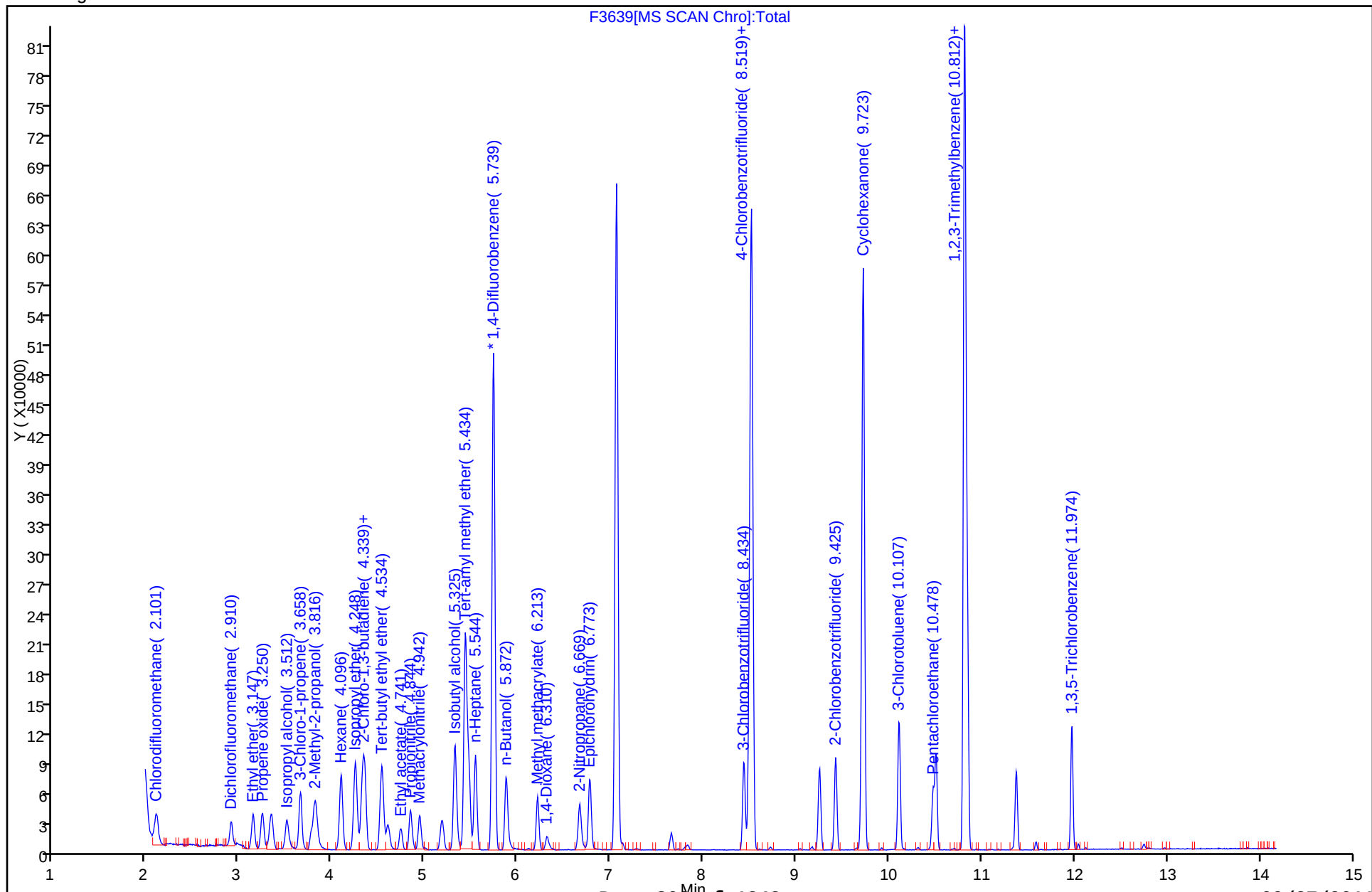
Lims Sample ID: 13

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3640.D
 Lims ID: STD9 Client ID:
 Inject. Date: 31-Aug-2011 19:35:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: STD9
 Misc. Info.: 480-0005677-014 =480-0005677-014
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 14
 Lims Batch ID: 29632 Lims Sample ID: 14
 Sublist: chrom-F-8260 SOIL*sub6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F-8260 SOIL.m
 Last Update: 01-Sep-2011 09:47:14 Calib Date: 31-Aug-2011 20:52:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3643.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 01-Sep-2011 09:47:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	504266	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	83	229393	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.818	0.0	95	246508	50.0	
11 Chlorodifluoromethane	51	2.107	2.107	0.0	72	55494	20.1	
16 Dichlorofluoromethane	67	2.910	2.910	0.0	95	61857	20.5	
18 Ethyl ether	59	3.141	3.141	0.0	87	49461	19.4	
19 Propene oxide	58	3.244	3.244	0.0	85	73067	98.3	
24 Isopropyl alcohol	45	3.506	3.506	0.0	98	118213	390.5	
28 3-Chloro-1-propene	41	3.652	3.652	0.0	86	94809	19.5	
31 2-Methyl-2-propanol	59	3.816	3.816	0.0	98	187177	384.3	
35 Hexane	57	4.096	4.096	0.0	92	87461	19.6	
36 Isopropyl ether	45	4.248	4.248	0.0	95	210193	19.6	
38 1,1-Dimethoxyethane	75	4.321	4.321	0.0	67	65655	95.6	
40 2-Chloro-1,3-butadiene	53	4.352	4.352	0.0	93	90857	19.9	
41 Tert-butyl ethyl ether	59	4.528	4.528	0.0	99	189889	19.2	
42 Ethyl acetate	43	4.735	4.735	0.0	94	63468	18.9	
46 Propionitrile	54	4.844	4.844	0.0	98	102032	196.9	
47 Methacrylonitrile	41	4.942	4.942	0.0	93	43960	19.0	
53 Isobutyl alcohol	43	5.319	5.319	0.0	93	172439	773.1	
56 Tert-amyl methyl ether	73	5.471	5.471	0.0	95	159310	19.3	
59 n-Heptane	43	5.544	5.544	0.0	93	103048	19.8	
60 n-Butanol	56	5.872	5.872	0.0	91	108616	776.8	
63 Methyl methacrylate	41	6.213	6.213	0.0	89	65722	19.2	
66 1,4-Dioxane	88	6.317	6.317	0.0	84	31027	818.7	
70 2-Nitropropane	43	6.663	6.663	0.0	97	61139	63.1	
71 Epichlorohydrin	57	6.779	6.779	0.0	98	154464	393.1	
85 3-Chlorobenzotrifluoride	180	8.440	8.440	0.0	87	87572	20.7	
86 4-Chlorobenzotrifluoride	180	8.494	8.494	0.0	70	79820	20.1	
93 2-Chlorobenzotrifluoride	180	9.425	9.425	0.0	93	83159	20.5	
96 Cyclohexanone	55	9.711	9.711	0.0	75	93329	201.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
104 3-Chlorotoluene	126	10.113	10.113	0.0	95	70645	20.3	
108 Pentachloroethane	167	10.478	10.478	0.0	70	22717	19.0	
114 Dicyclopentadiene	66	10.837	10.837	0.0	95	247021	20.3	
112 1,2,3-Trimethylbenzene	105	10.849	10.849	0.0	80	232841	20.3	
118 1,3,5-Trichlorobenzene	180	11.974	11.974	0.0	97	87941	20.1	

Report Date: 01-Sep-2011 09:47:14

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3640.D

Injection Date: 31-Aug-2011 19:35:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29632

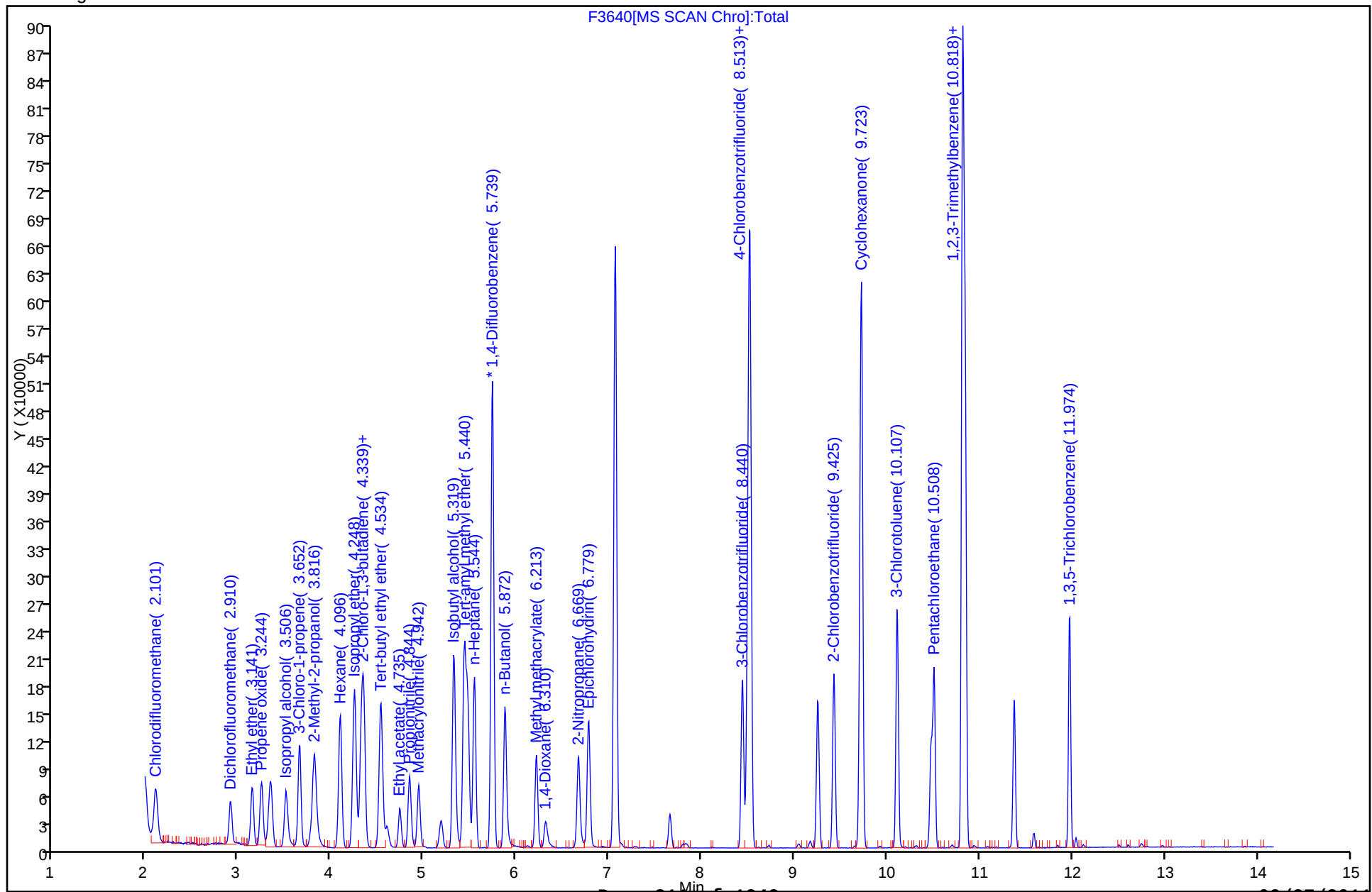
Lims Sample ID: 14

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3641.D
 Lims ID: STD10 Client ID:
 Inject. Date: 31-Aug-2011 20:01:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: STD10
 Misc. Info.: 480-0005677-015 =480-0005677-015
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 15
 Lims Batch ID: 29632 Lims Sample ID: 15
 Sublist: chrom-F-8260 SOIL*sub6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F-8260 SOIL.m
 Last Update: 01-Sep-2011 09:47:20 Calib Date: 31-Aug-2011 20:52:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3643.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 01-Sep-2011 09:47:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	508619	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	82	234697	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.819	10.819	0.0	94	251117	50.0	
11 Chlorodifluoromethane	51	2.107	2.107	0.0	76	142092	51.0	
16 Dichlorofluoromethane	67	2.916	2.916	0.0	97	153074	50.3	
18 Ethyl ether	59	3.147	3.147	0.0	95	127590	49.6	
19 Propene oxide	58	3.251	3.251	0.0	86	183642	245.0	
24 Isopropyl alcohol	45	3.512	3.512	0.0	99	297672	974.9	
28 3-Chloro-1-propene	41	3.658	3.658	0.0	87	237261	48.4	
31 2-Methyl-2-propanol	59	3.816	3.816	0.0	97	478305	973.5	
35 Hexane	57	4.096	4.096	0.0	95	221728	49.4	
36 Isopropyl ether	45	4.248	4.248	0.0	95	538461	49.8	
38 1,1-Dimethoxyethane	75	4.327	4.327	0.0	67	168864	243.8	
40 2-Chloro-1,3-butadiene	53	4.352	4.352	0.0	93	235696	51.2	
41 Tert-butyl ethyl ether	59	4.534	4.534	0.0	98	490605	49.3	
42 Ethyl acetate	43	4.741	4.741	0.0	99	161761	47.9	
46 Propionitrile	54	4.845	4.845	0.0	99	251902	482.0	
47 Methacrylonitrile	41	4.942	4.942	0.0	96	114642	49.0	
53 Isobutyl alcohol	43	5.319	5.319	0.0	93	447171	1987.7	
56 Tert-amyl methyl ether	73	5.471	5.471	0.0	95	417076	50.0	
59 n-Heptane	43	5.544	5.544	0.0	92	262741	50.1	
60 n-Butanol	56	5.873	5.873	0.0	91	285385	2023.6	
63 Methyl methacrylate	41	6.213	6.213	0.0	91	169166	49.1	
66 1,4-Dioxane	88	6.311	6.311	0.0	93	76445	1971.6	
70 2-Nitropropane	43	6.670	6.670	0.0	96	185749	188.2	
71 Epichlorohydrin	57	6.779	6.779	0.0	98	388187	979.5	
85 3-Chlorobenzotrifluoride	180	8.440	8.440	0.0	90	219798	51.0	M
86 4-Chlorobenzotrifluoride	180	8.495	8.495	0.0	94	203101	50.2	
93 2-Chlorobenzotrifluoride	180	9.425	9.425	0.0	95	208131	50.3	
96 Cyclohexanone	55	9.711	9.711	0.0	94	240972	510.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
104 3-Chlorotoluene	126	10.113	10.113	0.0	96	176403	49.8	
108 Pentachloroethane	167	10.478	10.478	0.0	87	63644	52.2	
114 Dicyclopentadiene	66	10.831	10.831	0.0	96	621565	50.2	
112 1,2,3-Trimethylbenzene	105	10.849	10.849	0.0	93	589916	50.4	
118 1,3,5-Trichlorobenzene	180	11.974	11.974	0.0	96	222136	49.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 01-Sep-2011 09:47:20

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3641.D

Injection Date: 31-Aug-2011 20:01:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29632

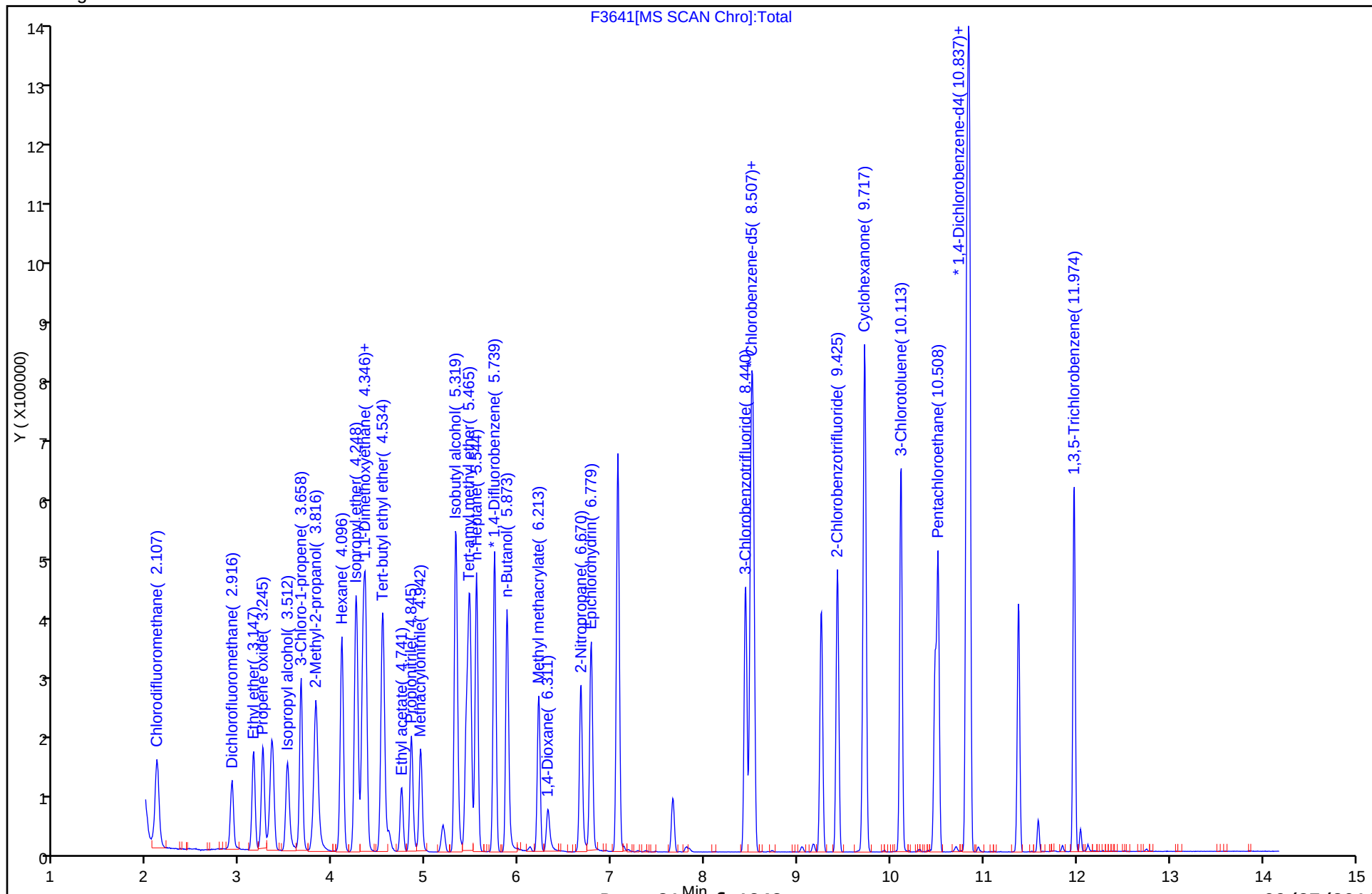
Lims Sample ID: 15

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:

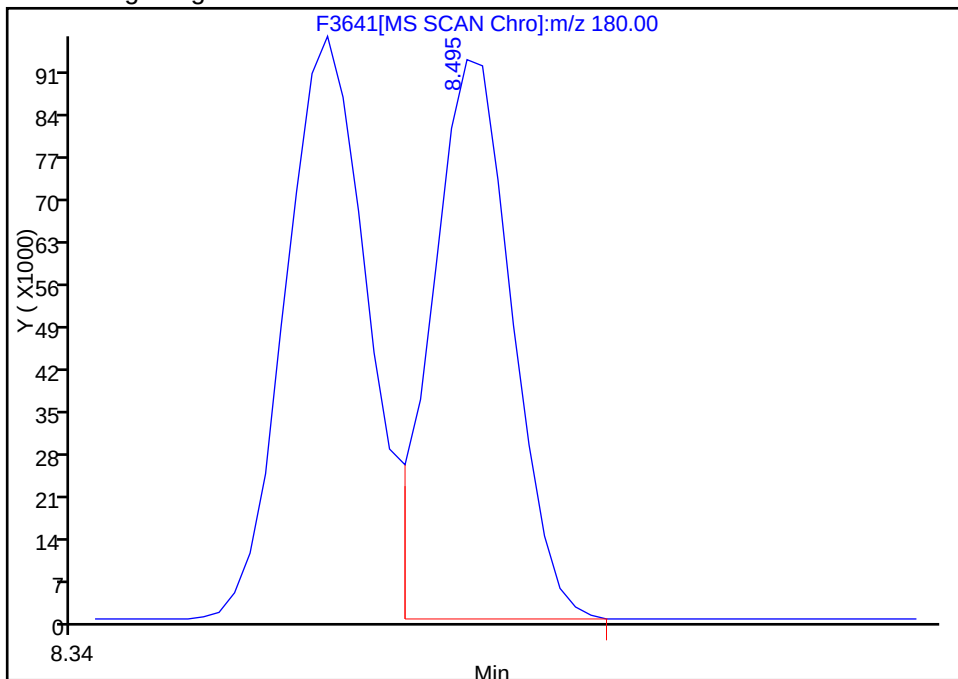


Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3641.D
Injection Date: 31-Aug-2011 20:01:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973F
Lims Batch ID: 29632 Lims Sample ID: 15
Operator ID: PJQ
Column Type: ZB-624 Column Dia: 0.25 mm

85 3-Chlorobenzotrifluoride, Signal: 1, m/z: 180.0 Type: quant, RT: 8.44

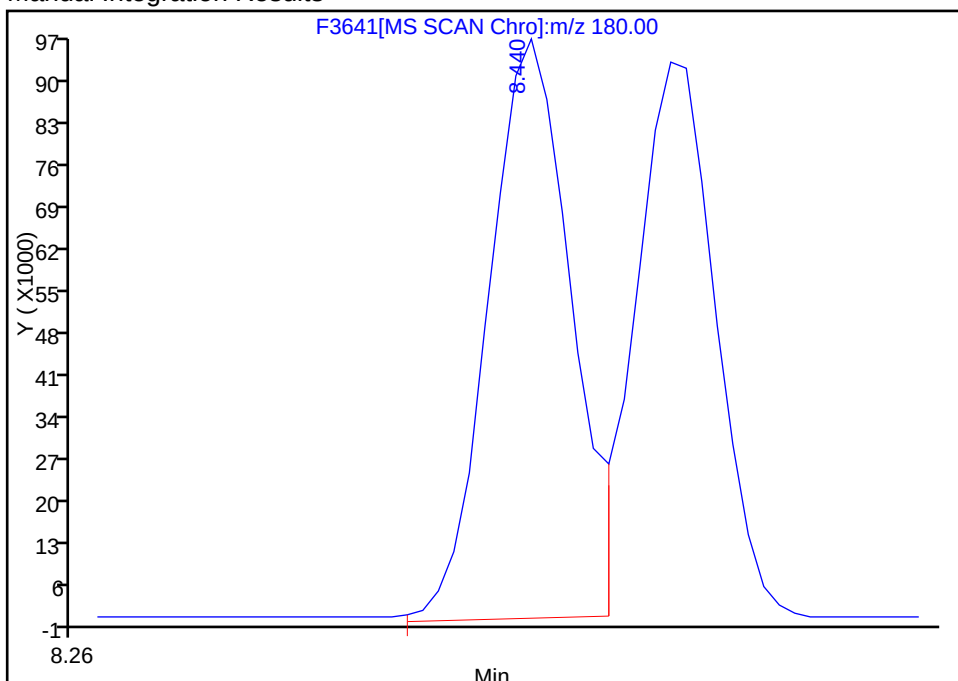
RT: 8.49
Response: 203101
Amount: 50.195582

Processing Integration Results



RT: 8.44
Response: 219798
Amount: 50.963062

Manual Integration Results



Reviewer: quirkp, 01-Sep-2011 09:33:10
Audit Action: Manually Integrated
Audit Reason: Wrong peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3642.D
 Lims ID: STD11 Client ID:
 Inject. Date: 31-Aug-2011 20:26:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: STD11
 Misc. Info.: 480-0005677-016 =480-0005677-016
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 16
 Lims Batch ID: 29632 Lims Sample ID: 16
 Sublist: chrom-F-8260 SOIL*sub6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F-8260 SOIL.m
 Last Update: 01-Sep-2011 09:47:26 Calib Date: 31-Aug-2011 20:52:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3643.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 01-Sep-2011 09:47:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	506998	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	81	235737	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.819	10.819	0.0	79	251950	50.0	
11 Chlorodifluoromethane	51	2.107	2.107	0.0	77	279477	100.7	
16 Dichlorofluoromethane	67	2.910	2.916	-0.006	83	294589	97.1	
18 Ethyl ether	59	3.147	3.147	0.0	96	262561	102.3	
19 Propene oxide	58	3.245	3.251	-0.007	77	384261	514.4	
24 Isopropyl alcohol	45	3.512	3.512	0.0	99	637975	2096.0	
28 3-Chloro-1-propene	41	3.658	3.658	0.0	88	476754	97.6	
31 2-Methyl-2-propanol	59	3.816	3.816	0.0	97	1039989	2123.6	
35 Hexane	57	4.096	4.096	0.0	94	425963	95.1	
36 Isopropyl ether	45	4.248	4.248	0.0	95	1095742	101.8	
38 1,1-Dimethoxyethane	75	4.321	4.327	-0.006	66	361880	524.2	
40 2-Chloro-1,3-butadiene	53	4.352	4.352	0.0	93	459743	100.3	
41 Tert-butyl ethyl ether	59	4.534	4.534	0.0	98	997726	100.5	
42 Ethyl acetate	43	4.735	4.741	-0.006	99	341430	101.4	
46 Propionitrile	54	4.844	4.845	0.0	99	543347	1043.0	
47 Methacrylonitrile	41	4.942	4.942	0.0	94	239643	102.8	
53 Isobutyl alcohol	43	5.319	5.319	0.0	93	932708	4159.1	
56 Tert-amyl methyl ether	73	5.471	5.471	0.0	96	847493	101.9	
59 n-Heptane	43	5.544	5.544	0.0	91	502077	96.1	
60 n-Butanol	56	5.873	5.873	0.0	90	599004	4261.1	
63 Methyl methacrylate	41	6.213	6.213	0.0	93	353714	103.0	
66 1,4-Dioxane	88	6.311	6.311	0.0	93	166616	4278.3	
70 2-Nitropropane	43	6.663	6.670	-0.007	98	463570	468.1	
71 Epichlorohydrin	57	6.779	6.779	0.0	100	817148	2068.5	
85 3-Chlorobenzotrifluoride	180	8.440	8.440	0.0	92	417000	96.4	
86 4-Chlorobenzotrifluoride	180	8.495	8.495	0.0	95	391844	96.5	
93 2-Chlorobenzotrifluoride	180	9.425	9.425	0.0	95	408334	98.3	
96 Cyclohexanone	55	9.711	9.711	0.0	94	450710	950.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
104 3-Chlorotoluene	126	10.113	10.113	0.0	96	351477	98.8	
108 Pentachloroethane	167	10.478	10.478	0.0	85	127082	103.9	
114 Dicyclopentadiene	66	10.831	10.831	0.0	97	1187631	95.6	
112 1,2,3-Trimethylbenzene	105	10.849	10.849	0.0	96	1156545	98.5	
118 1,3,5-Trichlorobenzene	180	11.974	11.974	0.0	98	443792	99.2	

Report Date: 01-Sep-2011 09:47:26

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3642.D

Injection Date: 31-Aug-2011 20:26:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29632

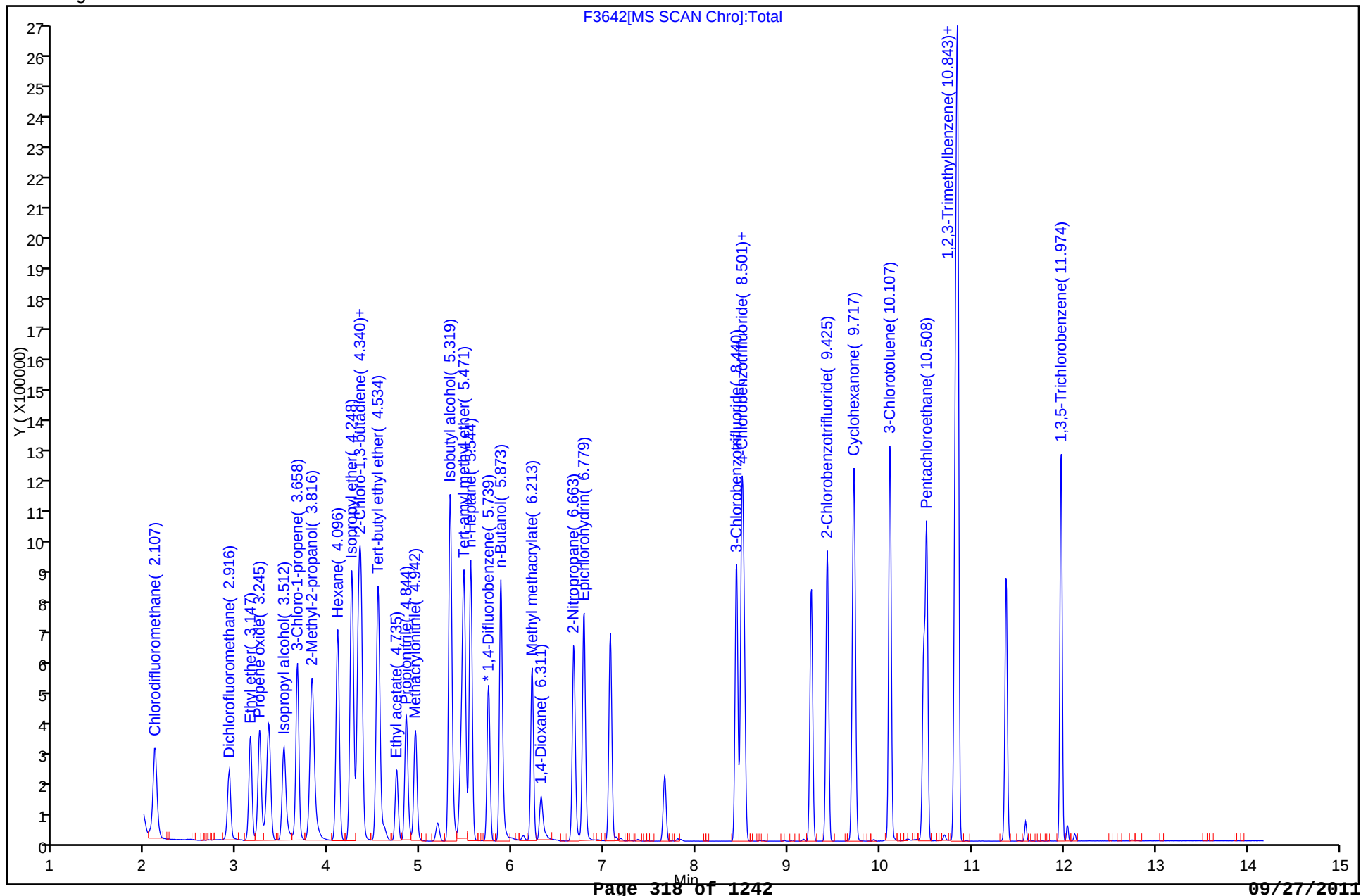
Lims Sample ID: 16

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3643.D
 Lims ID: STD12 Client ID:
 Inject. Date: 31-Aug-2011 20:52:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: STD12
 Misc. Info.: 480-0005677-017 =480-0005677-017
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 17
 Lims Batch ID: 29632 Lims Sample ID: 17
 Sublist: chrom-F-8260 SOIL*sub6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F-8260 SOIL.m
 Last Update: 01-Sep-2011 09:47:34 Calib Date: 31-Aug-2011 20:52:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3643.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 01-Sep-2011 09:47:34

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	512712	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	83	233468	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.819	-0.001	62	250322	50.0	
11 Chlorodifluoromethane	51	2.113	2.107	0.006	98	559377	199.2	
16 Dichlorofluoromethane	67	2.916	2.916	0.0	98	568567	185.3	
18 Ethyl ether	59	3.147	3.147	0.0	95	506433	195.2	
19 Propene oxide	58	3.244	3.251	-0.007	85	752139	995.6	
24 Isopropyl alcohol	45	3.512	3.512	0.0	99	1249131	4058.2	
28 3-Chloro-1-propene	41	3.658	3.658	0.0	89	934321	189.0	
31 2-Methyl-2-propanol	59	3.816	3.816	0.0	97	2049553	4138.4	
35 Hexane	57	4.096	4.096	0.0	95	842037	186.0	
36 Isopropyl ether	45	4.248	4.248	0.0	95	2133168	195.9	
38 1,1-Dimethoxyethane	75	4.321	4.327	-0.006	66	724195	1037.4	
40 2-Chloro-1,3-butadiene	53	4.352	4.352	0.0	93	901667	194.5	
41 Tert-butyl ethyl ether	59	4.534	4.534	0.0	98	1942774	193.5	
42 Ethyl acetate	43	4.735	4.741	-0.006	100	681382	200.1	
46 Propionitrile	54	4.844	4.845	0.0	99	1080927	2051.7	
47 Methacrylonitrile	41	4.942	4.942	0.0	94	474739	201.3	
53 Isobutyl alcohol	43	5.319	5.319	0.0	94	1820513	8027.6	
56 Tert-amyl methyl ether	73	5.471	5.471	0.0	95	1663220	197.7	
59 n-Heptane	43	5.544	5.544	0.0	91	998189	188.9	
60 n-Butanol	56	5.872	5.873	-0.001	90	1194003	8399.0	
63 Methyl methacrylate	41	6.213	6.213	0.0	93	699574	201.4	
66 1,4-Dioxane	88	6.310	6.311	-0.001	94	317122	8222.1	
70 2-Nitropropane	43	6.663	6.670	-0.007	99	1019884	1036.5	
71 Epichlorohydrin	57	6.779	6.779	0.0	100	1601103	4007.8	
85 3-Chlorobenzotrifluoride	180	8.440	8.440	0.0	89	816266	189.9	
86 4-Chlorobenzotrifluoride	180	8.494	8.495	-0.001	94	762493	189.0	
93 2-Chlorobenzotrifluoride	180	9.425	9.425	0.0	95	784671	190.1	
96 Cyclohexanone	55	9.711	9.711	0.0	95	863297	1832.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
104 3-Chlorotoluene	126	10.113	10.113	0.0	96	679372	192.2	
108 Pentachloroethane	167	10.478	10.478	0.0	90	251052	206.6	
114 Dicyclopentadiene	66	10.831	10.831	0.0	97	2239022	181.4	
112 1,2,3-Trimethylbenzene	105	10.849	10.849	0.0	97	2175371	186.5	
118 1,3,5-Trichlorobenzene	180	11.974	11.974	0.0	95	833573	187.6	

Report Date: 01-Sep-2011 09:47:34

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3643.D

Injection Date: 31-Aug-2011 20:52:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29632

Lims Sample ID: 17

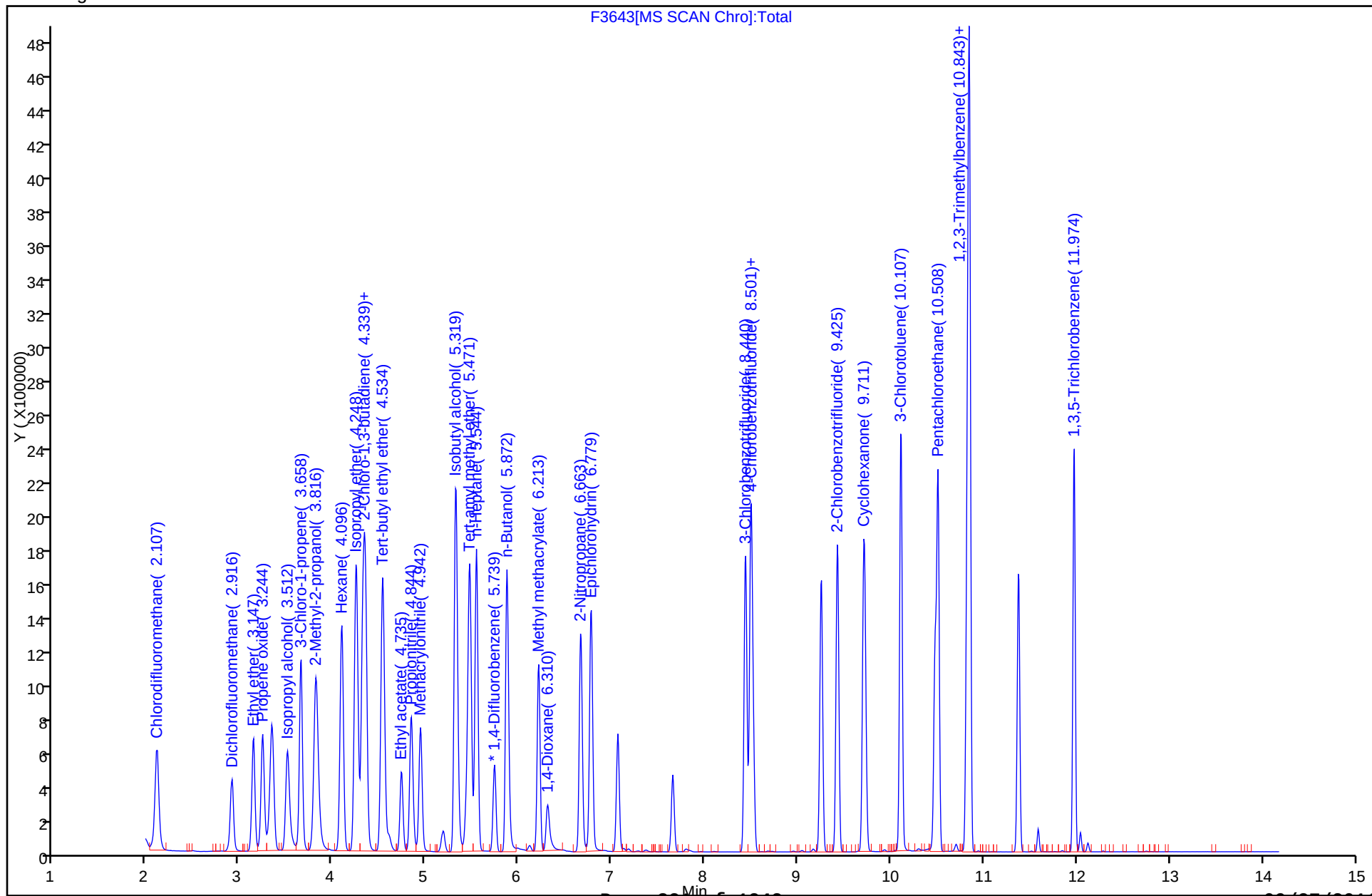
Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:

F3643[MS SCAN Chro]:Total



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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 29774

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2011 13:30 Calibration End Date: 09/01/2011 15:38 Calibration ID: 3805

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-29774/3	F3647.D
Level 2	STD2 480-29774/4	F3648.D
Level 3	STD3 480-29774/5	F3649.D
Level 4	STD4 480-29774/6	F3650.D
Level 5	STD5 480-29774/7	F3651.D
Level 6	STD6 480-29774/8	F3652.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2482 0.2298	0.2707	0.2459	0.2510	0.2540	Ave		0.2499				5.3		15.0			
Chloromethane	0.3035 0.2586	0.3127	0.2919	0.2789	0.2833	Ave		0.2882			0.1000	6.6		15.0			
Vinyl chloride	0.2430 0.2111	0.2551	0.2356	0.2300	0.2335	Ave		0.2347				6.2		30.0			
Bromomethane	0.0427 0.0684	0.0556	0.0512	0.0489	0.0565	QuaF		0.0445	0.0001						1.0000		0.9900
Chloroethane	0.0713 0.0823	0.0802	0.0692	0.0689	0.0768	Ave		0.0748				7.7		15.0			
Trichlorofluoromethane	0.2345 0.2283	0.2472	0.2279	0.2253	0.2397	Ave		0.2338				3.6		15.0			
Acrolein	0.0093 0.0088	0.0093	0.0093	0.0096	0.0096	Ave		0.0093				3.3		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2130 0.1994	0.2309	0.2127	0.2125	0.2155	Ave		0.2140				4.7		15.0			
1,1-Dichloroethene	0.2319 0.2091	0.2487	0.2217	0.2261	0.2273	Ave		0.2275				5.7		30.0			
Acetone	0.1303 0.1041	0.1157	0.1175	0.1192	0.1148	Ave		0.1169				7.2		15.0			
Iodomethane	0.2957 0.2947	0.3156	0.3022	0.3066	0.3101	Ave		0.3042				2.7		15.0			
Carbon disulfide	0.6127 0.5844	0.6518	0.5998	0.6188	0.6275	Ave		0.6158				3.8		15.0			
Methyl acetate	0.4879 0.4342	0.4720	0.4810	0.4912	0.4807	Ave		0.4745				4.4		15.0			
Acetonitrile	0.0250 0.0220	0.0243	0.0248	0.0250	0.0245	Ave		0.0243				4.7		15.0			
Methylene Chloride	0.3975 0.2503	0.3735	0.2998	0.2734	0.2593	LinF		0.2538							0.9970		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 29774

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2011 13:30 Calibration End Date: 09/01/2011 15:38 Calibration ID: 3805

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl tert-butyl ether	0.8395 0.7982	0.8256	0.8283	0.8554	0.8461	Ave		0.8322				2.4		15.0			
trans-1,2-Dichloroethene	0.2604 0.2366	0.2654	0.2597	0.2528	0.2530	Ave		0.2546				4.0		15.0			
Acrylonitrile	0.1270 0.1165	0.1223	0.1265	0.1317	0.1292	Ave		0.1255				4.3		15.0			
Vinyl acetate	0.5725 0.4733	0.5512	0.5700	0.5708	0.5459	Ave		0.5473				6.9		15.0			
1,1-Dichloroethane	0.4794 0.4314	0.4791	0.4700	0.4618	0.4604	Ave		0.4637			0.1000	3.8		15.0			
2,2-Dichloropropane	0.3740 0.3359	0.3723	0.3567	0.3578	0.3576	Ave		0.3590				3.8		15.0			
2-Butanone (MEK)	0.1941 0.1627	0.1841	0.1890	0.1922	0.1877	Ave		0.1850				6.2		15.0			
cis-1,2-Dichloroethene	0.2999 0.2672	0.2953	0.2947	0.2840	0.2823	Ave		0.2872				4.2		15.0			
Bromochloromethane	0.1573 0.1494	0.1529	0.1592	0.1592	0.1558	Ave		0.1556				2.5		15.0			
Tetrahydrofuran	0.1233 0.1062	0.1162	0.1205	0.1244	0.1216	Ave		0.1187				5.7		15.0			
Chloroform	0.4841 0.4195	0.4798	0.4572	0.4443	0.4385	Ave		0.4539				5.5		30.0			
1,1,1-Trichloroethane	0.3921 0.3774	0.4050	0.3879	0.3880	0.3948	Ave		0.3909				2.3		15.0			
Cyclohexane	0.4433 0.4128	0.4832	0.4383	0.4422	0.4551	Ave		0.4458				5.2		15.0			
1,1-Dichloropropene	0.3631 0.3187	0.3758	0.3443	0.3397	0.3458	Ave		0.3479				5.7		15.0			
Carbon tetrachloride	0.3246 0.3547	0.3419	0.3378	0.3520	0.3671	Ave		0.3463				4.3		15.0			
Benzene	1.0285 0.9148	1.0540	1.0189	0.9912	0.9805	Ave		0.9980				4.9		15.0			
1,2-Dichloroethane	0.4211 0.3829	0.4060	0.4209	0.4157	0.4082	Ave		0.4091				3.5		15.0			
Trichloroethene	0.2776 0.2564	0.2799	0.2736	0.2682	0.2727	Ave		0.2714				3.1		15.0			
Methylcyclohexane	0.4114 0.3925	0.4518	0.4151	0.4184	0.4291	Ave		0.4197				4.7		15.0			
1,2-Dichloropropane	0.2743 0.2589	0.2720	0.2721	0.2689	0.2688	Ave		0.2692				2.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 29774

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2011 13:30 Calibration End Date: 09/01/2011 15:38 Calibration ID: 3805

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dibromomethane	0.1687 0.1634	0.0860	0.1708	0.1716	0.1702	Lin1F		0.1647							0.9920		0.9900
Bromodichloromethane	0.3199 0.3419	0.3137	0.3215	0.3364	0.3459	Ave		0.3299				4.0		15.0			
2-Chloroethyl vinyl ether	0.1905 0.1740	0.1898	0.1959	0.1969	0.1927	Ave		0.1900				4.4		15.0			
cis-1,3-Dichloropropene	0.4075 0.4228	0.4171	0.4272	0.4308	0.4363	Ave		0.4236				2.4		15.0			
4-Methyl-2-pentanone (MIBK)	0.8053 0.6945	0.7846	0.8094	0.8276	0.8110	Ave		0.7887				6.1		15.0			
Toluene	1.6368 1.3948	1.6274	1.5183	1.4707	1.4748	Ave		1.5205				6.3		30.0			
Ethyl methacrylate	0.7886 0.7967	0.7755	0.8355	0.8548	0.8724	Ave		0.8206				4.8		15.0			
trans-1,3-Dichloropropene	0.8216 0.8692	0.8189	0.8708	0.8941	0.9049	Ave		0.8632				4.2		15.0			
1,1,2-Trichloroethane	0.4297 0.4157	0.4175	0.4343	0.4358	0.4386	Ave		0.4286				2.3		15.0			
Tetrachloroethene	0.6854 0.6026	0.6815	0.6528	0.6412	0.6469	Ave		0.6517				4.6		15.0			
1,3-Dichloropropane	0.9098 0.8237	0.9019	0.9310	0.9064	0.8848	Ave		0.8929				4.1		15.0			
2-Hexanone	0.5867 0.5178	0.5819	0.6023	0.6204	0.6090	Ave		0.5863				6.2		15.0			
Dibromochloromethane	0.5120 0.6586	0.5089	0.5625	0.6072	0.6594	Ave		0.5848				12.0		15.0			
1,2-Dibromoethane	0.5915 0.5777	0.5660	0.6047	0.6096	0.6076	Ave		0.5928				3.0		15.0			
Chlorobenzene	1.7672 1.5947	1.7493	1.7320	1.6844	1.6922	Ave		1.7033			0.3000	3.6		15.0			
Ethylbenzene	2.8805 2.4944	2.9126	2.7893	2.7173	2.7064	Ave		2.7501				5.5		30.0			
1,1,1,2-Tetrachloroethane	0.5371 0.5934	0.5342	0.5683	0.5886	0.6098	Ave		0.5719				5.4		15.0			
m,p-Xylene	1.1887 1.0300	1.2108	1.1477	1.1187	1.1108	Ave		1.1344				5.7		15.0			
o-Xylene	1.1400 1.0334	1.1437	1.1165	1.0953	1.0934	Ave		1.1037				3.7		15.0			
Styrene	1.9284 1.8113	1.9234	1.9443	1.9071	1.9290	Ave		1.9073				2.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 29774

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2011 13:30 Calibration End Date: 09/01/2011 15:38 Calibration ID: 3805

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Bromoform	0.2704 0.4133	0.2775	0.3170	0.3635	0.4074	Lin1F		0.3949			0.1000				0.9910		0.9900
Isopropylbenzene	2.6570 2.3578	2.7924	2.6317	2.4966	2.4944	Ave		2.5717				5.9		15.0			
1,1,2,2-Tetrachloroethane	0.6274 0.6027	0.6372	0.6513	0.6588	0.6445	Ave		0.6370			0.3000	3.1		15.0			
Bromobenzene	0.7358 0.6478	0.7249	0.7214	0.6971	0.6714	Ave		0.6997				4.9		15.0			
trans-1,4-Dichloro-2-butene	0.2258 0.2013	0.2256	0.2301	0.2358	0.2296	Ave		0.2247				5.4		15.0			
N-Propylbenzene	3.1483 2.6165	3.2641	3.1164	2.9247	2.8276	Ave		2.9829				8.0		15.0			
1,2,3-Trichloropropane	0.2202 0.2020	0.2158	0.2372	0.2239	0.2179	Ave		0.2195				5.2		15.0			
2-Chlorotoluene	0.6593 0.5995	0.6798	0.6577	0.6326	0.6270	Ave		0.6427				4.5		15.0			
1,3,5-Trimethylbenzene	2.2459 1.9775	2.3243	2.2418	2.1284	2.0970	Ave		2.1692				5.8		15.0			
4-Chlorotoluene	0.7165 0.6463	0.7190	0.7071	0.6756	0.6747	Ave		0.6899				4.2		15.0			
tert-Butylbenzene	0.5082 0.4580	0.5216	0.5097	0.4810	0.4813	Ave		0.4933				4.8		15.0			
1,2,4-Trimethylbenzene	2.3349 2.0410	2.3853	2.2867	2.1752	2.1422	Ave		2.2275				5.8		15.0			
sec-Butylbenzene	2.8494 2.4867	2.9843	2.8043	2.6801	2.6669	Ave		2.7453				6.3		15.0			
4-Isopropyltoluene	2.4476 2.1819	2.5262	2.4396	2.3488	2.3319	Ave		2.3793				5.0		15.0			
1,3-Dichlorobenzene	1.3822 1.2424	1.3900	1.3598	1.3261	1.3053	Ave		1.3343				4.2		15.0			
1,4-Dichlorobenzene	1.4209 1.2532	1.3888	1.3764	1.3376	1.3239	Ave		1.3502				4.4		15.0			
n-Butylbenzene	2.1127 1.8777	2.1914	2.0933	2.0126	2.0113	Ave		2.0498				5.3		15.0			
1,2-Dichlorobenzene	1.3320 1.1917	1.3358	1.3024	1.2724	1.2543	Ave		1.2815				4.2		15.0			
1,2-Dibromo-3-Chloropropane	0.1045 0.1310	0.1082	0.1154	0.1310	0.1368	Ave		0.1211				11.0		15.0			
1,2,4-Trichlorobenzene	0.8632 0.7555	0.8349	0.8406	0.8262	0.8195	Ave		0.8233				4.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 29774

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2011 13:30 Calibration End Date: 09/01/2011 15:38 Calibration ID: 3805

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.4025 0.3532	0.4157	0.4128	0.3858	0.3891	Ave		0.3932				5.9		15.0			
Naphthalene	2.3902 2.1190	2.2684	2.3304	2.3837	2.3596	Ave		2.3086				4.5		15.0			
1,2,3-Trichlorobenzene	0.7556 0.6959	0.7523	0.7565	0.7650	0.7526	Ave		0.7463				3.4		15.0			
1,2-Dichloroethane-d4 (Surr)	0.1821 0.1676	0.1793	0.1826	0.1696	0.1720	Ave		0.1755				3.8		15.0			
Toluene-d8 (Surr)	2.3541 2.1500	2.3118	2.2803	2.3308	2.2752	Ave		2.2837				3.2		15.0			
4-Bromofluorobenzene (Surr)	0.8911 0.7400	0.8065	0.8064	0.7738	0.7839	Ave		0.8003				6.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 29774

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2011 13:30 Calibration End Date: 09/01/2011 15:38 Calibration ID: 3805

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-29774/3	F3647.D
Level 2	STD2 480-29774/4	F3648.D
Level 3	STD3 480-29774/5	F3649.D
Level 4	STD4 480-29774/6	F3650.D
Level 5	STD5 480-29774/7	F3651.D
Level 6	STD6 480-29774/8	F3652.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	DFB	Ave	12299 465985	27115	48850	125465	257418	5.00 200	10.0	20.0	50.0	100
Chloromethane	DFB	Ave	15038 524467	31326	57983	139444	287115	5.00 200	10.0	20.0	50.0	100
Vinyl chloride	DFB	Ave	12041 428164	25558	46802	114985	236593	5.00 200	10.0	20.0	50.0	100
Bromomethane	DFB	QuaF	2114 138685	5574	10174	24461	57275	5.00 200	10.0	20.0	50.0	100
Chloroethane	DFB	Ave	3534 166971	8034	13751	34461	77844	5.00 200	10.0	20.0	50.0	100
Trichlorofluoromethane	DFB	Ave	11623 463002	24762	45259	112625	242930	5.00 200	10.0	20.0	50.0	100
Acrolein	DFB	Ave	9262 356230	18704	37111	95967	195398	100 4000	200	400	1000	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	DFB	Ave	10556 404344	23129	42256	106208	218430	5.00 200	10.0	20.0	50.0	100
1,1-Dichloroethene	DFB	Ave	11491 424140	24916	44031	113013	230338	5.00 200	10.0	20.0	50.0	100
Acetone	DFB	Ave	32276 1055606	57951	116664	297976	581845	25.0 1000	50.0	100	250	500
Iodomethane	DFB	Ave	14656 597772	31612	60026	153264	314218	5.00 200	10.0	20.0	50.0	100
Carbon disulfide	DFB	Ave	30362 1185323	65293	119136	309344	635936	5.00 200	10.0	20.0	50.0	100
Methyl acetate	DFB	Ave	24179 880687	47280	95546	245525	487194	5.00 200	10.0	20.0	50.0	100
Acetonitrile	DFB	Ave	49575 1787460	97546	196938	500058	993627	200 8000	400	800	2000	4000
Methylene Chloride	DFB	LinF	19700 507744	37416	59557	136647	262734	5.00 200	10.0	20.0	50.0	100
Methyl tert-butyl ether	DFB	Ave	41605 1618942	82698	164529	427634	857495	5.00 200	10.0	20.0	50.0	100

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 29774

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2011 13:30 Calibration End Date: 09/01/2011 15:38 Calibration ID: 3805

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
trans-1,2-Dichloroethene	DFB	Ave	12906 479836	26582	51582	126362	256402	5.00 200	10.0	20.0	50.0	100
Acrylonitrile	DFB	Ave	31465 1181775	61269	125659	329107	654559	25.0 1000	50.0	100	250	500
Vinyl acetate	DFB	Ave	141855 4800091	276081	566059	1426744	2766136	25.0 1000	50.0	100	250	500
1,1-Dichloroethane	DFB	Ave	23758 874967	47989	93356	230864	466570	5.00 200	10.0	20.0	50.0	100
2,2-Dichloropropane	DFB	Ave	18536 681158	37290	70848	178840	362387	5.00 200	10.0	20.0	50.0	100
2-Butanone (MEK)	DFB	Ave	48088 1649480	92228	187712	480460	951331	25.0 1000	50.0	100	250	500
cis-1,2-Dichloroethene	DFB	Ave	14861 541932	29585	58534	141975	286120	5.00 200	10.0	20.0	50.0	100
Bromochloromethane	DFB	Ave	7797 303006	15314	31616	79605	157904	5.00 200	10.0	20.0	50.0	100
Tetrahydrofuran	DFB	Ave	30546 1076521	58212	119712	310852	616274	25.0 1000	50.0	100	250	500
Chloroform	DFB	Ave	23989 850824	48057	90815	222110	444405	5.00 200	10.0	20.0	50.0	100
1,1,1-Trichloroethane	DFB	Ave	19431 765471	40564	77049	193962	400075	5.00 200	10.0	20.0	50.0	100
Cyclohexane	DFB	Ave	21969 837299	48404	87061	221051	461191	5.00 200	10.0	20.0	50.0	100
1,1-Dichloropropene	DFB	Ave	17993 646307	37646	68386	169800	350467	5.00 200	10.0	20.0	50.0	100
Carbon tetrachloride	DFB	Ave	16084 719426	34246	67090	175945	372015	5.00 200	10.0	20.0	50.0	100
Benzene	DFB	Ave	50968 1855300	105581	202371	495501	993688	5.00 200	10.0	20.0	50.0	100
1,2-Dichloroethane	DFB	Ave	20869 776666	40668	83597	207785	413728	5.00 200	10.0	20.0	50.0	100
Trichloroethene	DFB	Ave	13756 520053	28039	54353	134094	276381	5.00 200	10.0	20.0	50.0	100
Methylcyclohexane	DFB	Ave	20390 796064	45253	82443	209163	434834	5.00 200	10.0	20.0	50.0	100
1,2-Dichloropropane	DFB	Ave	13591 525105	27247	54038	134425	272418	5.00 200	10.0	20.0	50.0	100
Dibromomethane	DFB	Lin1F	8360 331483	8610	33927	85763	172519	5.00 200	10.0	20.0	50.0	100
Bromodichloromethane	DFB	Ave	15854 693377	31419	63863	168166	350591	5.00 200	10.0	20.0	50.0	100

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 29774

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2011 13:30 Calibration End Date: 09/01/2011 15:38 Calibration ID: 3805

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
2-Chloroethyl vinyl ether	DFB	Ave	47203 1764873	95072	194537	492216	976581	25.0 1000	50.0	100	250	500
cis-1,3-Dichloropropene	DFB	Ave	20192 857528	41779	84858	215377	442185	5.00 200	10.0	20.0	50.0	100
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	92166 3229821	182159	372249	959208	1891031	25.0 1000	50.0	100	250	500
Toluene	CBZ	Ave	37464 1297323	75563	139661	340932	687811	5.00 200	10.0	20.0	50.0	100
Ethyl methacrylate	CBZ	Ave	18050 741059	36006	76855	198163	406880	5.00 200	10.0	20.0	50.0	100
trans-1,3-Dichloropropene	CBZ	Ave	18805 808428	38021	80097	207261	422018	5.00 200	10.0	20.0	50.0	100
1,1,2-Trichloroethane	CBZ	Ave	9835 386623	19386	39951	101022	204557	5.00 200	10.0	20.0	50.0	100
Tetrachloroethene	CBZ	Ave	15688 560471	31644	60044	148646	301675	5.00 200	10.0	20.0	50.0	100
1,3-Dichloropropane	CBZ	Ave	20824 766149	41878	85637	210113	412623	5.00 200	10.0	20.0	50.0	100
2-Hexanone	CBZ	Ave	67145 2407956	135092	277004	719054	1420045	25.0 1000	50.0	100	250	500
Dibromochloromethane	CBZ	Ave	11719 612611	23630	51742	140753	307507	5.00 200	10.0	20.0	50.0	100
1,2-Dibromoethane	CBZ	Ave	13539 537295	26279	55621	141321	283358	5.00 200	10.0	20.0	50.0	100
Chlorobenzene	CBZ	Ave	40449 1483278	81222	159320	390480	789210	5.00 200	10.0	20.0	50.0	100
Ethylbenzene	CBZ	Ave	65930 2320050	135233	256575	629912	1262184	5.00 200	10.0	20.0	50.0	100
1,1,1,2-Tetrachloroethane	CBZ	Ave	12293 551921	24804	52275	136447	284396	5.00 200	10.0	20.0	50.0	100
m,p-Xylene	CBZ	Ave	54416 1915972	112438	211134	518656	1036114	10.0 400	20.0	40.0	100	200
o-Xylene	CBZ	Ave	26092 961145	53103	102697	253921	509920	5.00 200	10.0	20.0	50.0	100
Styrene	CBZ	Ave	44138 1684714	89306	178845	442096	899638	5.00 200	10.0	20.0	50.0	100
Bromoform	CBZ	Lin1F	6190 384392	12885	29156	84257	190002	5.00 200	10.0	20.0	50.0	100
Isopropylbenzene	DCB	Ave	65787 2398100	138031	262009	643275	1305839	5.00 200	10.0	20.0	50.0	100
1,1,2,2-Tetrachloroethane	DCB	Ave	15533 612989	31495	64846	169748	337414	5.00 200	10.0	20.0	50.0	100

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 29774

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2011 13:30 Calibration End Date: 09/01/2011 15:38 Calibration ID: 3805

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Bromobenzene	DCB	Ave	18218 658826	35833	71820	179611	351462	5.00 200	10.0	20.0	50.0	100
trans-1,4-Dichloro-2-butene	DCB	Ave	27955 1023821	55748	114538	303840	600934	25.0 1000	50.0	100	250	500
N-Propylbenzene	DCB	Ave	77950 2661216	161346	310267	753579	1480270	5.00 200	10.0	20.0	50.0	100
1,2,3-Trichloropropane	DCB	Ave	5452 205467	10665	23615	57690	114062	5.00 200	10.0	20.0	50.0	100
2-Chlorotoluene	DCB	Ave	16325 609777	33604	65478	163009	328215	5.00 200	10.0	20.0	50.0	100
1,3,5-Trimethylbenzene	DCB	Ave	55607 2011251	114894	223197	548415	1097805	5.00 200	10.0	20.0	50.0	100
4-Chlorotoluene	DCB	Ave	17741 657333	35539	70398	174076	353198	5.00 200	10.0	20.0	50.0	100
tert-Butylbenzene	DCB	Ave	12583 465847	25783	50741	123927	251959	5.00 200	10.0	20.0	50.0	100
1,2,4-Trimethylbenzene	DCB	Ave	57812 2075853	117906	227664	560476	1121425	5.00 200	10.0	20.0	50.0	100
sec-Butylbenzene	DCB	Ave	70550 2529185	147515	279196	690554	1396137	5.00 200	10.0	20.0	50.0	100
4-Isopropyltoluene	DCB	Ave	60603 2219136	124875	242889	605205	1220741	5.00 200	10.0	20.0	50.0	100
1,3-Dichlorobenzene	DCB	Ave	34224 1263630	68708	135377	341698	683310	5.00 200	10.0	20.0	50.0	100
1,4-Dichlorobenzene	DCB	Ave	35182 1274645	68649	137038	344662	693087	5.00 200	10.0	20.0	50.0	100
n-Butylbenzene	DCB	Ave	52309 1909761	108325	208408	518567	1052918	5.00 200	10.0	20.0	50.0	100
1,2-Dichlorobenzene	DCB	Ave	32981 1212071	66031	129666	327861	656644	5.00 200	10.0	20.0	50.0	100
1,2-Dibromo-3-Chloropropane	DCB	Ave	2587 133238	5349	11487	33742	71629	5.00 200	10.0	20.0	50.0	100
1,2,4-Trichlorobenzene	DCB	Ave	21372 768408	41272	83690	212880	429025	5.00 200	10.0	20.0	50.0	100
Hexachlorobutadiene	DCB	Ave	9966 359215	20547	41094	99399	203678	5.00 200	10.0	20.0	50.0	100
Naphthalene	DCB	Ave	59181 2155168	112131	232012	614199	1235261	5.00 200	10.0	20.0	50.0	100
1,2,3-Trichlorobenzene	DCB	Ave	18708 707830	37189	75321	197103	393970	5.00 200	10.0	20.0	50.0	100
1,2-Dichloroethane-d4 (Surr)	DFB	Ave	9026 339866	17960	36270	84764	174321	5.00 200	10.0	20.0	50.0	100

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 29774

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2011 13:30 Calibration End Date: 09/01/2011 15:38 Calibration ID: 3805

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toluene-d8 (Surr)	CBZ	Ave	53881 1999712	107338	209756	540319	1061081	5.00 200	10.0	20.0	50.0	100
4-Bromofluorobenzene (Surr)	CBZ	Ave	20395 688259	37446	74172	179384	365591	5.00 200	10.0	20.0	50.0	100

Curve Type Legend:

Ave = Average ISTD
Lin1F = Linear 1/conc ISTD forced zero
LinF = Linear ISTD forced zero
QuaF = Quadratic ISTD forced zero

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3647.D
 Lims ID: STD1 Client ID:
 Inject. Date: 01-Sep-2011 13:30:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: STD1
 Misc. Info.: 480-0005704-003 =480-0005704-003
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 29774 Lims Sample ID: 3
 Sublist: chrom-F-8260 SOIL*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F-8260 SOIL.m
 Last Update: 01-Sep-2011 15:53:55 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 01-Sep-2011 15:53:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.733	5.739	-0.006	95	495566	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	85	228885	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.819	10.818	0.001	94	247597	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.435	5.434	0.001	84	9026	5.19	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	78	53881	5.15	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.730	9.723	0.007	82	20395	5.57	
10 Dichlorodifluoromethane	85	2.089	2.095	-0.006	57	12299	4.97	
12 Chloromethane	50	2.229	2.234	-0.005	69	15038	5.27	
13 Vinyl chloride	62	2.344	2.356	-0.012	34	12041	5.18	
14 Bromomethane	94	2.636	2.642	-0.006	0	2114	4.73	M
15 Chloroethane	64	2.727	2.727	0.0	0	3534	4.77	M
17 Trichlorofluoromethane	101	2.952	2.958	-0.006	41	11623	5.02	
20 Acrolein	56	3.305	3.305	0.0	64	9262	100.0	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.330	3.336	-0.006	50	10556	4.98	
22 1,1-Dichloroethene	96	3.366	3.366	0.0	82	11491	5.10	
23 Acetone	43	3.421	3.421	0.0	92	32276	27.9	
25 Iodomethane	142	3.524	3.530	-0.006	75	14656	4.86	
26 Carbon disulfide	76	3.585	3.591	-0.006	95	30362	4.97	
27 Methyl acetate	43	3.640	3.640	0.0	88	24179	5.14	
29 Acetonitrile	40	3.683	3.676	0.006	99	49575	206.0	
30 Methylene Chloride	84	3.762	3.761	0.001	86	19700	7.83	
32 Methyl tert-butyl ether	73	3.920	3.920	0.0	85	41605	5.04	
34 trans-1,2-Dichloroethene	96	3.956	3.956	0.0	82	12906	5.11	
33 Acrylonitrile	53	3.968	3.968	0.0	96	31465	25.3	
37 Vinyl acetate	43	4.273	4.272	0.001	96	141855	26.2	
39 1,1-Dichloroethane	63	4.291	4.297	-0.006	0	23758	5.17	M
44 2,2-Dichloropropane	77	4.747	4.741	0.006	43	18536	5.21	
43 2-Butanone (MEK)	43	4.741	4.747	-0.006	94	48088	26.2	
45 cis-1,2-Dichloroethene	96	4.753	4.759	-0.006	54	14861	5.22	
48 Chlorobromomethane	128	4.966	4.966	0.0	76	7797	5.05	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
49 Tetrahydrofuran	42	4.990	4.984	0.006	83	30546	26.0	
50 Chloroform	83	4.997	5.002	-0.005	63	23989	5.33	
51 1,1,1-Trichloroethane	97	5.143	5.148	-0.005	69	19431	5.02	
52 Cyclohexane	56	5.173	5.179	-0.006	47	21969	4.97	
54 1,1-Dichloropropene	75	5.264	5.264	0.0	71	17993	5.22	
55 Carbon tetrachloride	117	5.270	5.276	-0.006	48	16084	4.69	
57 Benzene	78	5.459	5.459	0.0	96	50968	5.15	
58 1,2-Dichloroethane	62	5.495	5.495	0.0	58	20869	5.15	
62 Trichloroethene	95	5.982	5.982	0.0	78	13756	5.11	
64 Methylcyclohexane	83	6.122	6.122	0.0	82	20390	4.90	
65 1,2-Dichloropropane	63	6.213	6.207	0.006	64	13591	5.09	
67 Dibromomethane	93	6.341	6.341	0.0	73	8360	5.12	
68 Dichlorobromomethane	83	6.451	6.450	0.001	63	15854	4.85	
69 2-Chloroethyl vinyl ether	63	6.651	6.651	0.0	85	47203	25.1	
72 cis-1,3-Dichloropropene	75	6.834	6.828	0.006	61	20192	4.81	
73 4-Methyl-2-pentanone (MIBK)	43	6.931	6.931	0.0	95	92166	25.5	
74 Toluene	92	7.126	7.126	0.0	92	37464	5.38	
75 Ethyl methacrylate	69	7.339	7.339	0.0	68	18050	4.81	
77 trans-1,3-Dichloropropene	75	7.351	7.351	0.0	67	18805	4.76	
79 1,1,2-Trichloroethane	83	7.552	7.551	0.001	65	9835	5.01	
81 Tetrachloroethene	166	7.655	7.655	0.0	83	15688	5.26	
82 1,3-Dichloropropane	76	7.716	7.716	0.0	51	20824	5.09	
80 2-Hexanone	43	7.728	7.722	0.006	93	67145	25.0	
83 Chlorodibromomethane	129	7.959	7.965	-0.006	32	11719	4.38	
84 Ethylene Dibromide	107	8.099	8.099	0.0	50	13539	4.99	
87 Chlorobenzene	112	8.549	8.549	0.0	67	40449	5.19	
88 Ethylbenzene	91	8.610	8.610	0.0	48	65930	5.24	
89 1,1,1,2-Tetrachloroethane	131	8.622	8.628	-0.006	0	12293	4.70	M
90 m-Xylene & p-Xylene	106	8.720	8.726	-0.006	98	54416	10.5	
91 o-Xylene	106	9.158	9.158	0.0	91	26092	5.16	
92 Styrene	104	9.182	9.182	0.0	84	44138	5.06	
95 Bromoform	173	9.456	9.456	0.0	58	6190	3.42	
94 Isopropylbenzene	105	9.511	9.516	-0.005	83	65787	5.17	
97 1,1,2,2-Tetrachloroethane	83	9.882	9.882	0.0	62	15533	4.92	
101 Bromobenzene	156	9.894	9.894	0.0	88	18218	5.26	
98 trans-1,4-Dichloro-2-butene	53	9.924	9.918	0.006	55	27955	25.1	
99 N-Propylbenzene	91	9.924	9.924	0.0	91	77950	5.28	
100 1,2,3-Trichloropropane	110	9.930	9.936	-0.006	36	5452	5.02	
103 2-Chlorotoluene	126	10.058	10.052	0.006	89	16325	5.13	
102 1,3,5-Trimethylbenzene	105	10.082	10.082	0.0	70	55607	5.18	
105 4-Chlorotoluene	126	10.162	10.155	0.007	86	17741	5.19	
106 tert-Butylbenzene	134	10.399	10.399	0.0	82	12583	5.15	
107 1,2,4-Trimethylbenzene	105	10.447	10.447	0.0	29	57812	5.24	
109 sec-Butylbenzene	105	10.600	10.599	0.001	76	70550	5.19	
110 4-Isopropyltoluene	119	10.715	10.715	0.0	89	60603	5.14	
111 1,3-Dichlorobenzene	146	10.758	10.758	0.0	81	34224	5.18	
113 1,4-Dichlorobenzene	146	10.837	10.837	0.0	83	35182	5.26	
115 n-Butylbenzene	91	11.086	11.086	0.0	93	52309	5.15	
116 1,2-Dichlorobenzene	146	11.177	11.177	0.0	85	32981	5.20	
117 1,2-Dibromo-3-Chloropropane	75	11.853	11.853	0.0	0	2587	4.31	M
119 1,2,4-Trichlorobenzene	180	12.510	12.510	0.0	75	21372	5.24	
120 Hexachlorobutadiene	225	12.601	12.607	-0.006	59	9966	5.12	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.747	12.747	0.0	80	59181	5.18	
122 1,2,3-Trichlorobenzene	180	12.972	12.972	0.0	66	18708	5.06	
S 123 Total BTEX	1				0		31.4	
S 124 Xylenes, Total	1				0		15.6	
S 125 1,2-Dichloroethene, Total	1				0		10.3	
S 126 1,3-Dichloropropene, Total	1				0		9.57	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 01-Sep-2011 15:53:55

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3647.D

Injection Date: 01-Sep-2011 13:30:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29774

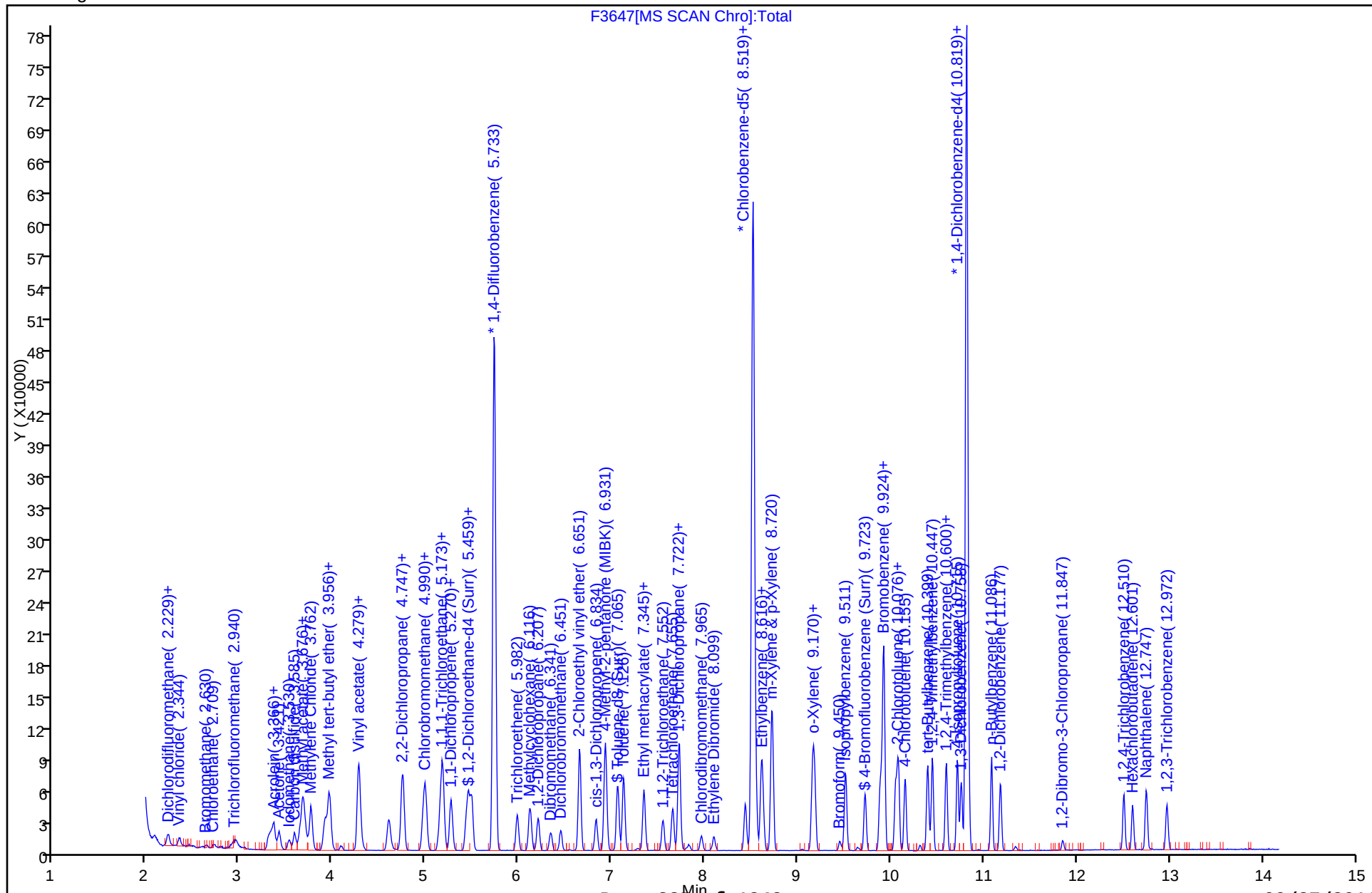
Lims Sample ID: 3

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:

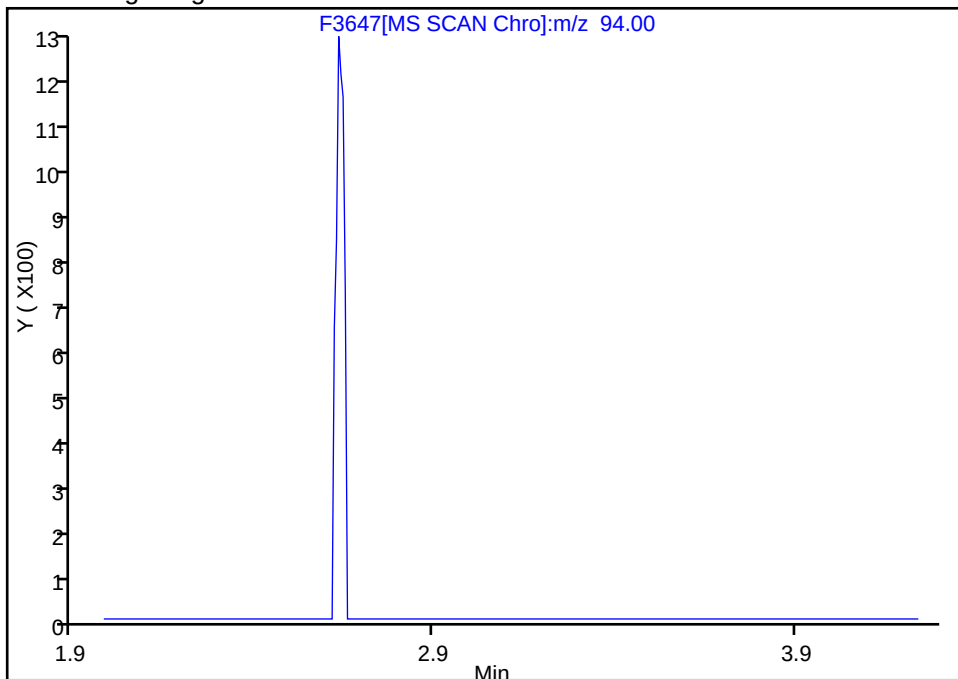


Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3647.D
Injection Date: 01-Sep-2011 13:30:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973F
Lims Batch ID: 29774 Lims Sample ID: 3
Operator ID: PJQ
Column Type: ZB-624 Column Dia: 0.25 mm

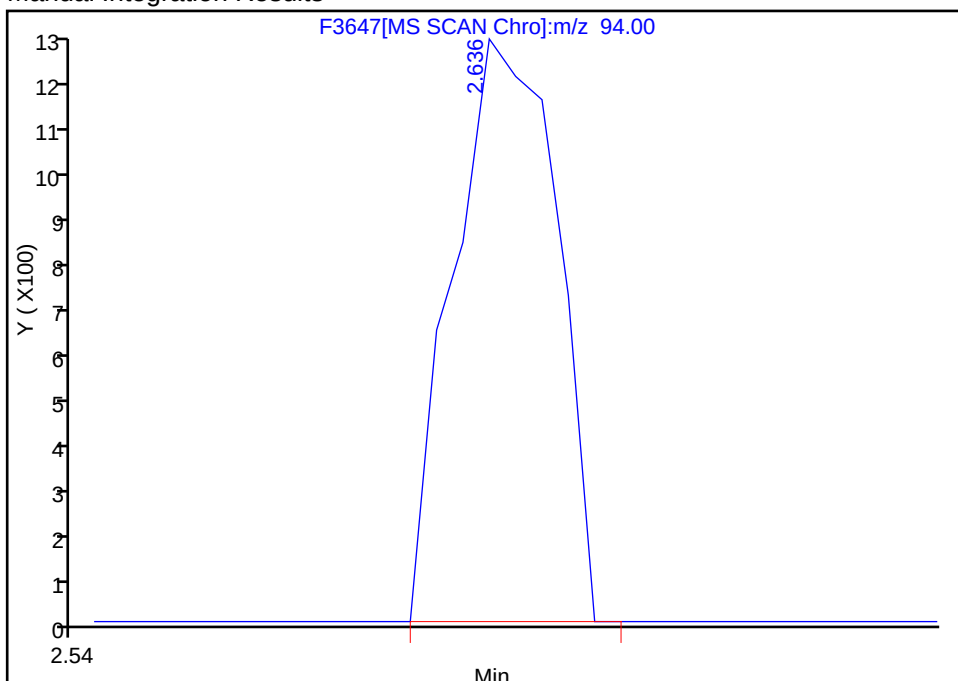
14 Bromomethane, Signal: 1, m/z: 94.0 Type: quant, RT: 2.64

Not Detected
Expected RT: 2.64

Processing Integration Results



Manual Integration Results



RT: 2.64
Response: 2114
Amount: 4.733789

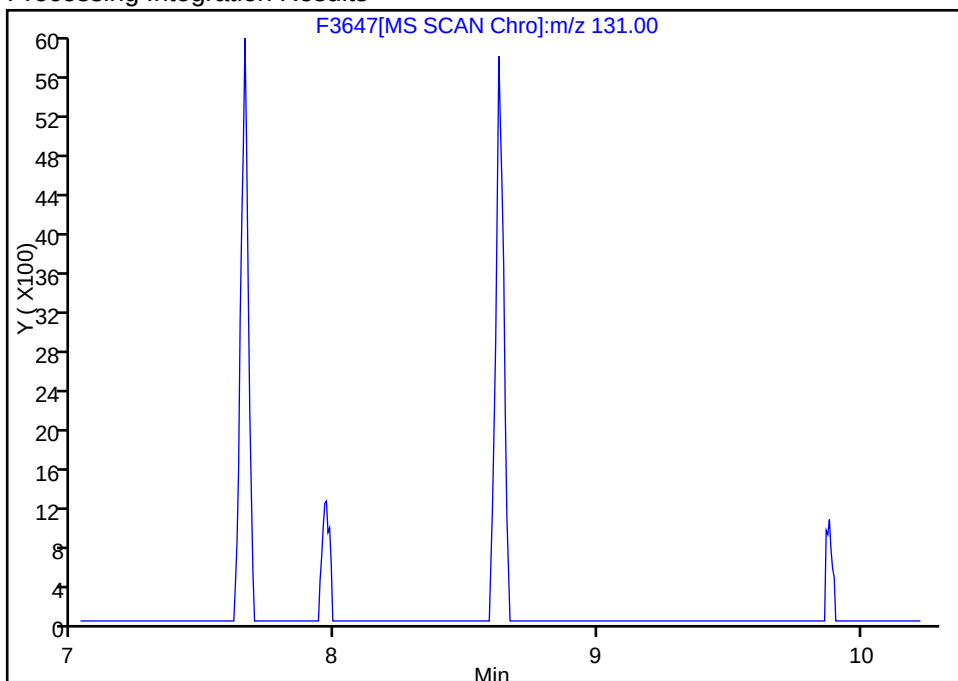
Reviewer: quirkp, 01-Sep-2011 15:38:12
Audit Action: Manually Integrated
Audit Reason: Missed Peak

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3647.D
Injection Date: 01-Sep-2011 13:30:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973F
Lims Batch ID: 29774 Lims Sample ID: 3
Operator ID: PJQ
Column Type: ZB-624 Column Dia: 0.25 mm

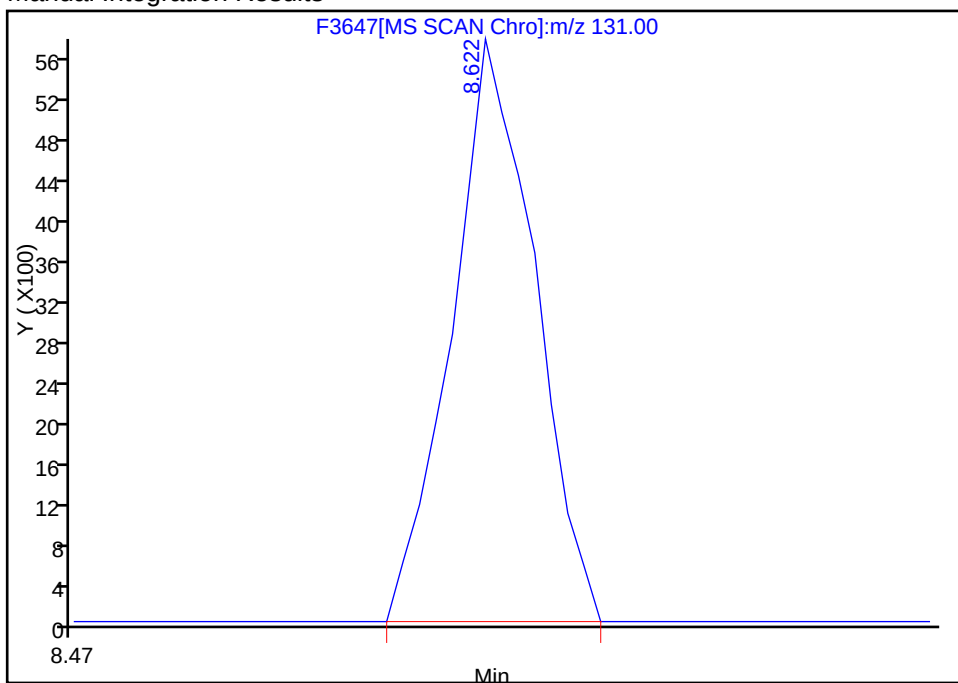
89 1,1,1,2-Tetrachloroethane, Signal: 1, m/z: 131.0 Type: quant, RT: 8.63

Not Detected
Expected RT: 8.63

Processing Integration Results



Manual Integration Results



RT: 8.62
Response: 12293
Amount: 4.695597

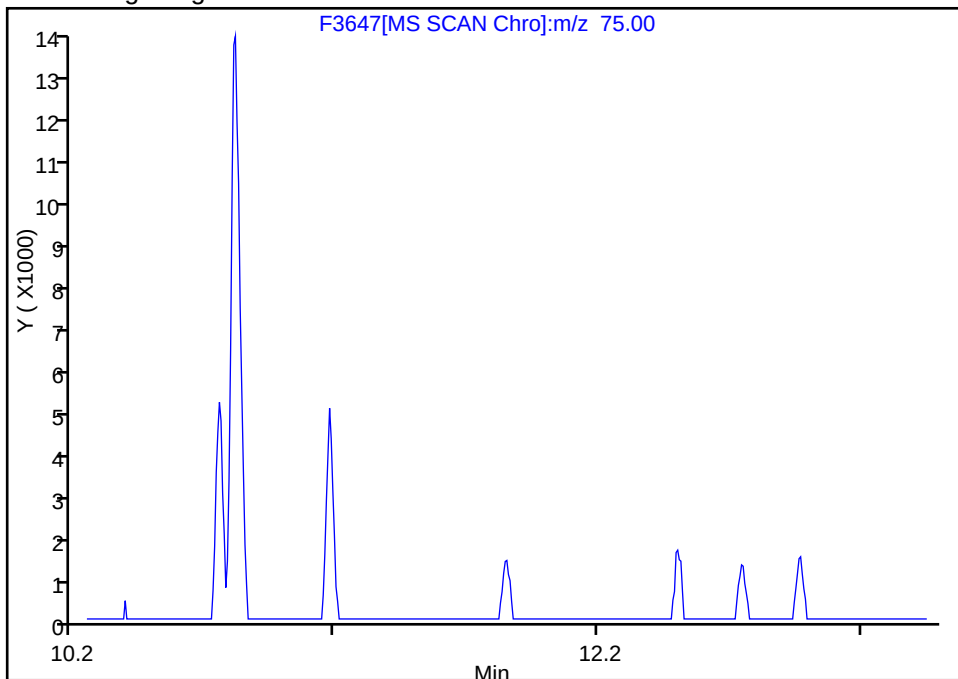
Reviewer: quirkp, 01-Sep-2011 15:38:12
Audit Action: Manually Integrated
Audit Reason: Missed Peak

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3647.D
Injection Date: 01-Sep-2011 13:30:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973F
Lims Batch ID: 29774 Lims Sample ID: 3
Operator ID: PJQ
Column Type: ZB-624 Column Dia: 0.25 mm

117 1,2-Dibromo-3-Chloropropane, Signal: 1, m/z: 75.0 Type: quant, RT: 11.85

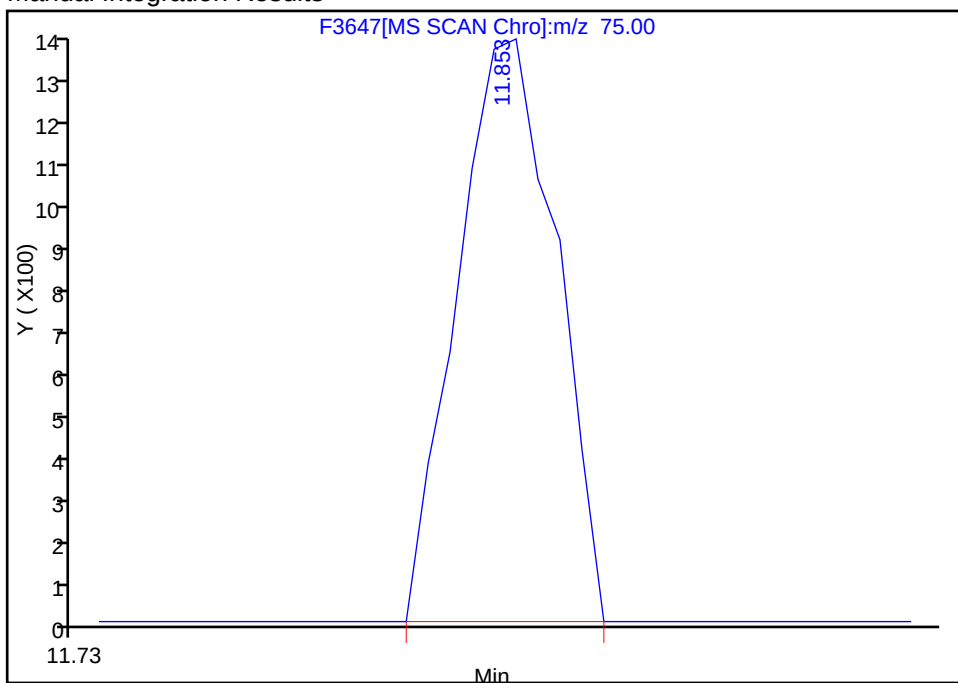
Not Detected
Expected RT: 11.85

Processing Integration Results



RT: 11.85
Response: 2587
Amount: 4.312460

Manual Integration Results



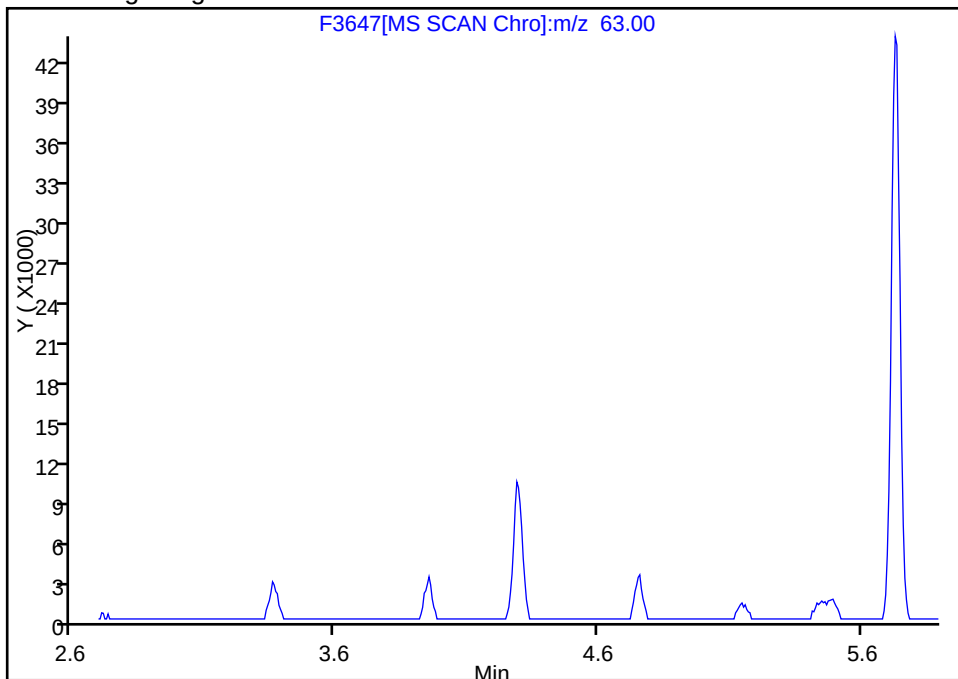
Reviewer: quirkp, 01-Sep-2011 15:38:12
Audit Action: Manually Integrated
Audit Reason: Missed Peak

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3647.D
Injection Date: 01-Sep-2011 13:30:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973F
Lims Batch ID: 29774 Lims Sample ID: 3
Operator ID: PJQ
Column Type: ZB-624 Column Dia: 0.25 mm

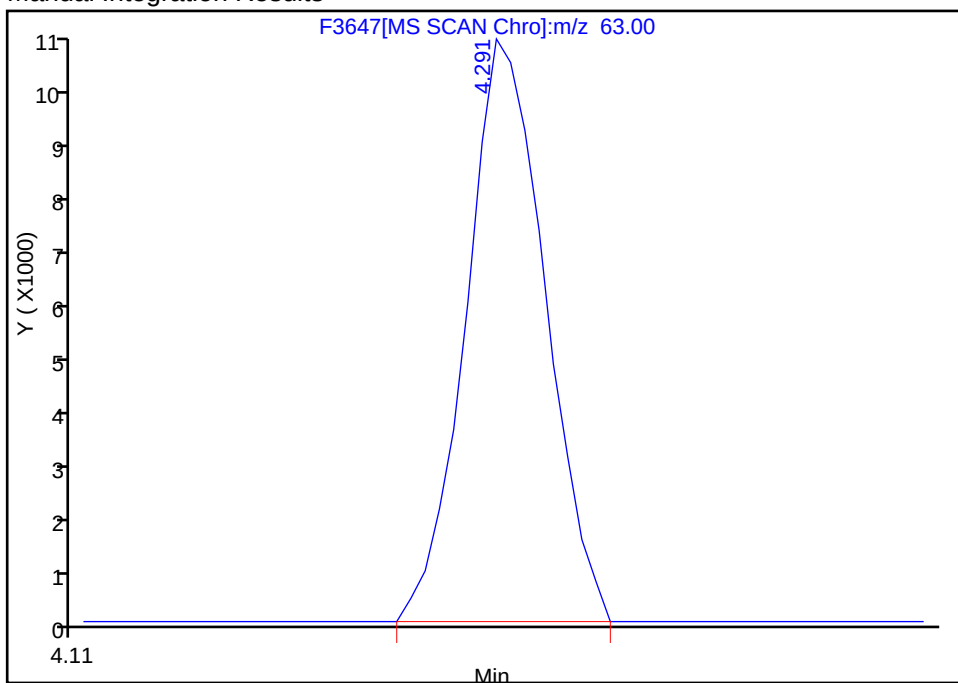
39 1,1-Dichloroethane, Signal: 1, m/z: 63.0 Type: quant, RT: 4.30

Not Detected
Expected RT: 4.30

Processing Integration Results



Manual Integration Results



RT: 4.29
Response: 23758
Amount: 5.169562

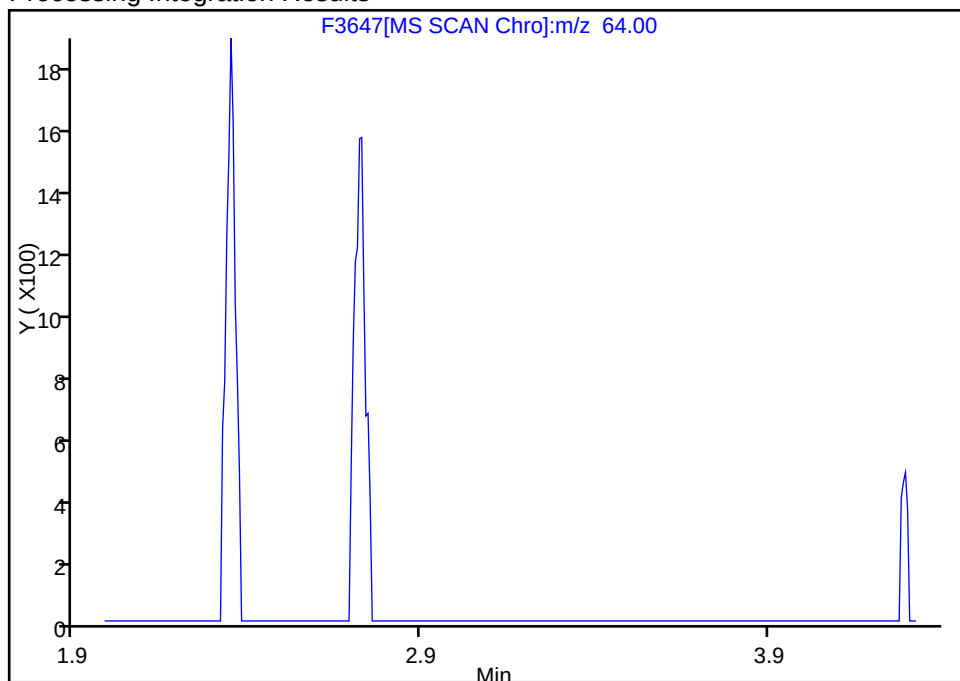
Reviewer: quirkp, 01-Sep-2011 15:38:12
Audit Action: Manually Integrated
Audit Reason: Missed Peak

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3647.D
Injection Date: 01-Sep-2011 13:30:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973F
Lims Batch ID: 29774 Lims Sample ID: 3
Operator ID: PJQ
Column Type: ZB-624 Column Dia: 0.25 mm

15 Chloroethane, Signal: 1, m/z: 64.0 Type: quant, RT: 2.73

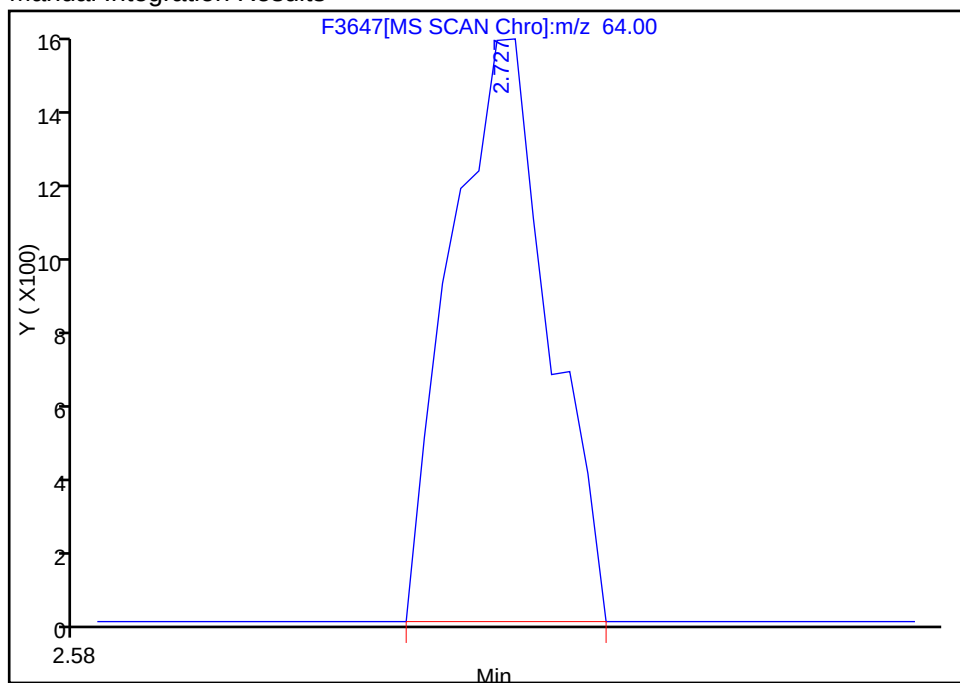
Not Detected
Expected RT: 2.73

Processing Integration Results



RT: 2.73
Response: 3534
Amount: 4.766634

Manual Integration Results



Reviewer: quirkp, 01-Sep-2011 15:38:12
Audit Action: Manually Integrated
Audit Reason: Missed Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3648.D
 Lims ID: STD2 Client ID:
 Inject. Date: 01-Sep-2011 13:56:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: STD2
 Misc. Info.: 480-0005704-004 =480-0005704-004
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 29774 Lims Sample ID: 4
 Sublist: chrom-F-8260 SOIL*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F-8260 SOIL.m
 Last Update: 01-Sep-2011 15:54:02 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 01-Sep-2011 15:54:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	500847	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	82	232155	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.812	10.818	-0.006	91	247155	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.435	5.434	0.001	92	17960	10.2	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	88	107338	10.1	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.730	9.723	0.007	87	37446	10.1	
10 Dichlorodifluoromethane	85	2.083	2.095	-0.013	67	27115	10.8	
12 Chloromethane	50	2.229	2.234	-0.006	83	31326	10.9	
13 Vinyl chloride	62	2.350	2.356	-0.006	65	25558	10.9	
14 Bromomethane	94	2.636	2.642	-0.006	76	5574	12.1	
15 Chloroethane	64	2.721	2.727	-0.006	64	8034	10.7	
17 Trichlorofluoromethane	101	2.952	2.958	-0.006	65	24762	10.6	
20 Acrolein	56	3.305	3.305	0.0	78	18704	199.9	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.336	3.336	0.0	68	23129	10.8	
22 1,1-Dichloroethene	96	3.366	3.366	0.0	81	24916	10.9	
23 Acetone	43	3.421	3.421	0.0	95	57951	49.5	
25 Iodomethane	142	3.530	3.530	0.0	92	31612	10.4	
26 Carbon disulfide	76	3.591	3.591	0.0	95	65293	10.6	
27 Methyl acetate	43	3.646	3.640	0.006	91	47280	9.95	
29 Acetonitrile	40	3.676	3.676	0.0	99	97546	401.0	
30 Methylene Chloride	84	3.762	3.761	0.001	91	37416	14.7	
32 Methyl tert-butyl ether	73	3.920	3.920	0.0	88	82698	9.92	
34 trans-1,2-Dichloroethene	96	3.956	3.956	0.0	95	26582	10.4	
33 Acrylonitrile	53	3.968	3.968	0.0	96	61269	48.7	
37 Vinyl acetate	43	4.273	4.272	0.001	97	276081	50.4	
39 1,1-Dichloroethane	63	4.297	4.297	0.0	60	47989	10.3	
44 2,2-Dichloropropane	77	4.741	4.741	0.0	0	37290	10.4	M
43 2-Butanone (MEK)	43	4.747	4.747	0.0	98	92228	49.8	
45 cis-1,2-Dichloroethene	96	4.759	4.759	0.0	80	29585	10.3	
48 Chlorobromomethane	128	4.966	4.966	0.0	85	15314	9.82	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
49 Tetrahydrofuran	42	4.984	4.984	0.0	87	58212	49.0	
50 Chloroform	83	4.997	5.002	-0.005	80	48057	10.6	
51 1,1,1-Trichloroethane	97	5.149	5.148	0.001	83	40564	10.4	
52 Cyclohexane	56	5.179	5.179	0.0	55	48404	10.8	
54 1,1-Dichloropropene	75	5.270	5.264	0.006	84	37646	10.8	
55 Carbon tetrachloride	117	5.276	5.276	0.0	68	34246	9.87	
57 Benzene	78	5.459	5.459	0.0	97	105581	10.6	
58 1,2-Dichloroethane	62	5.495	5.495	0.0	68	40668	9.92	
62 Trichloroethene	95	5.982	5.982	0.0	89	28039	10.3	
64 Methylcyclohexane	83	6.122	6.122	0.0	85	45253	10.8	
65 1,2-Dichloropropane	63	6.207	6.207	0.0	79	27247	10.1	
67 Dibromomethane	93	6.335	6.341	-0.006	76	8610	5.22	
68 Dichlorobromomethane	83	6.451	6.450	0.001	92	31419	9.51	
69 2-Chloroethyl vinyl ether	63	6.657	6.651	0.006	90	95072	50.0	
72 cis-1,3-Dichloropropene	75	6.828	6.828	0.0	71	41779	9.85	
73 4-Methyl-2-pentanone (MIBK)	43	6.931	6.931	0.0	98	182159	49.7	
74 Toluene	92	7.126	7.126	0.0	93	75563	10.7	
75 Ethyl methacrylate	69	7.345	7.339	0.006	77	36006	9.45	
77 trans-1,3-Dichloropropene	75	7.351	7.351	0.0	87	38021	9.49	
79 1,1,2-Trichloroethane	83	7.546	7.551	-0.005	83	19386	9.74	
81 Tetrachloroethene	166	7.655	7.655	0.0	94	31644	10.5	
82 1,3-Dichloropropane	76	7.716	7.716	0.0	55	41878	10.1	
80 2-Hexanone	43	7.728	7.722	0.006	93	135092	49.6	
83 Chlorodibromomethane	129	7.965	7.965	0.0	68	23630	8.70	
84 Ethylene Dibromide	107	8.099	8.099	0.0	78	26279	9.55	
87 Chlorobenzene	112	8.549	8.549	0.0	87	81222	10.3	
88 Ethylbenzene	91	8.610	8.610	0.0	56	135233	10.6	
89 1,1,1,2-Tetrachloroethane	131	8.628	8.628	0.0	63	24804	9.34	
90 m-Xylene & p-Xylene	106	8.726	8.726	0.0	99	112438	21.3	
91 o-Xylene	106	9.158	9.158	0.0	92	53103	10.4	
92 Styrene	104	9.182	9.182	0.0	95	89306	10.1	
95 Bromoform	173	9.450	9.456	-0.006	76	12885	7.03	
94 Isopropylbenzene	105	9.517	9.516	0.001	91	138031	10.9	
97 1,1,2,2-Tetrachloroethane	83	9.882	9.882	0.0	70	31495	10.0	
101 Bromobenzene	156	9.894	9.894	0.0	89	35833	10.4	
98 trans-1,4-Dichloro-2-butene	53	9.924	9.918	0.006	55	55748	50.2	
99 N-Propylbenzene	91	9.924	9.924	0.0	94	161346	10.9	
100 1,2,3-Trichloropropane	110	9.936	9.936	0.0	35	10665	9.83	
103 2-Chlorotoluene	126	10.052	10.052	0.0	94	33604	10.6	
102 1,3,5-Trimethylbenzene	105	10.082	10.082	0.0	93	114894	10.7	
105 4-Chlorotoluene	126	10.155	10.155	0.0	95	35539	10.4	
106 tert-Butylbenzene	134	10.399	10.399	0.0	88	25783	10.6	
107 1,2,4-Trimethylbenzene	105	10.447	10.447	0.0	45	117906	10.7	
109 sec-Butylbenzene	105	10.600	10.599	0.001	88	147515	10.9	
110 4-Isopropyltoluene	119	10.715	10.715	0.0	94	124875	10.6	
111 1,3-Dichlorobenzene	146	10.758	10.758	0.0	88	68708	10.4	
113 1,4-Dichlorobenzene	146	10.837	10.837	0.0	90	68649	10.3	
115 n-Butylbenzene	91	11.086	11.086	0.0	92	108325	10.7	
116 1,2-Dichlorobenzene	146	11.177	11.177	0.0	91	66031	10.4	
117 1,2-Dibromo-3-Chloropropane	75	11.847	11.853	-0.006	28	5349	8.93	
119 1,2,4-Trichlorobenzene	180	12.510	12.510	0.0	85	41272	10.1	
120 Hexachlorobutadiene	225	12.601	12.607	-0.006	83	20547	10.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.747	12.747	0.0	93	112131	9.83	
122 1,2,3-Trichlorobenzene	180	12.972	12.972	0.0	85	37189	10.1	
S 123 Total BTEX	1				0		63.6	
S 124 Xylenes, Total	1				0		31.7	
S 125 1,2-Dichloroethene, Total	1				0		20.7	
S 126 1,3-Dichloropropene, Total	1				0		19.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 01-Sep-2011 15:54:02

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3648.D

Injection Date: 01-Sep-2011 13:56:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29774

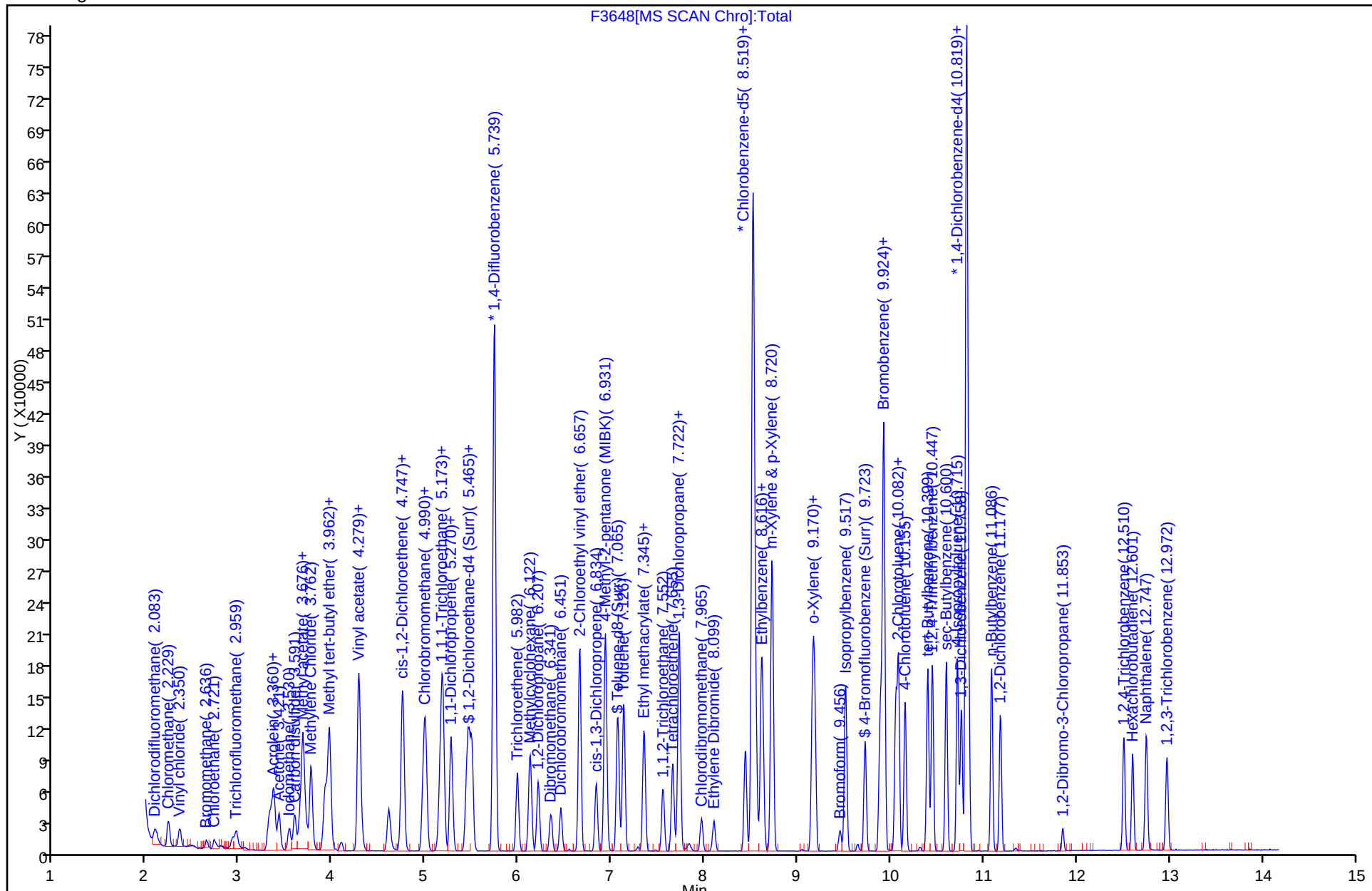
Lims Sample ID: 4

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:

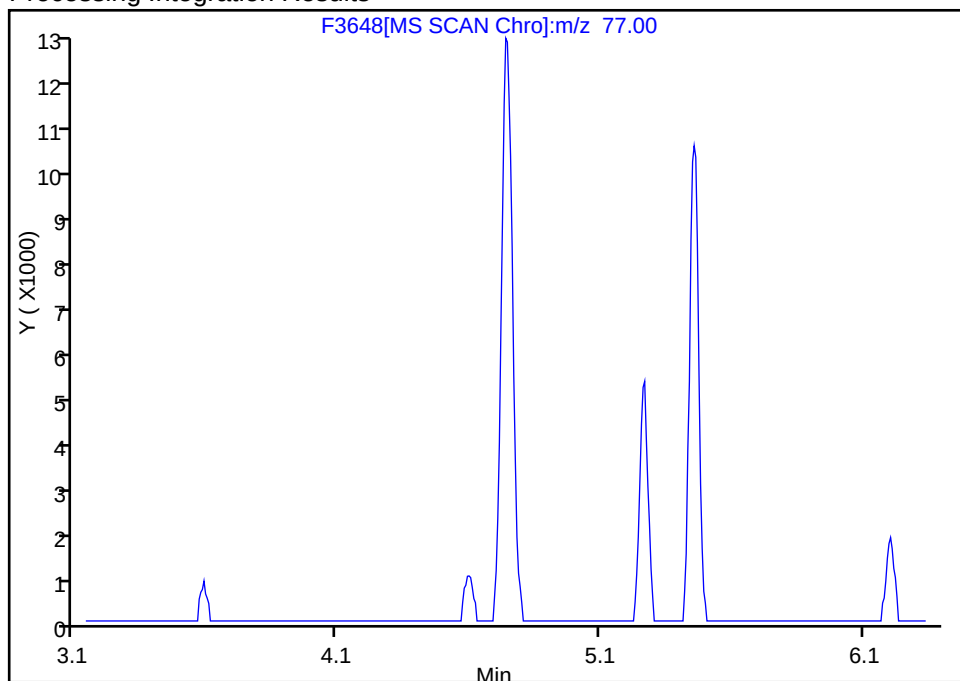


Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3648.D
Injection Date: 01-Sep-2011 13:56:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973F
Lims Batch ID: 29774 Lims Sample ID: 4
Operator ID: PJQ
Column Type: ZB-624 Column Dia: 0.25 mm

44 2,2-Dichloropropane, Signal: 1, m/z: 77.0 Type: quant, RT: 4.74

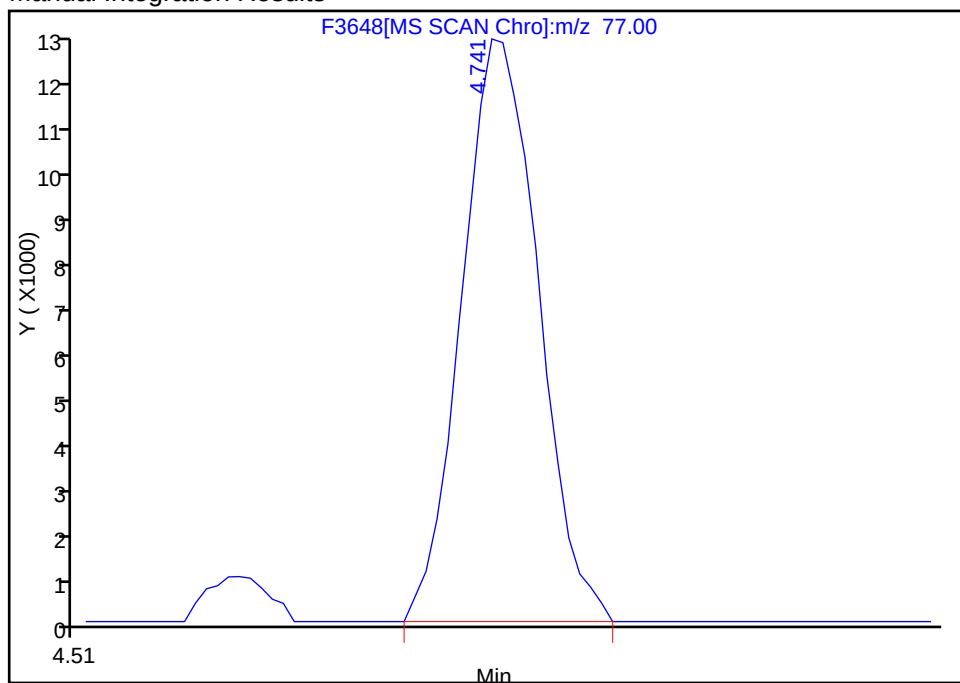
Not Detected
Expected RT: 4.74

Processing Integration Results



RT: 4.74
Response: 37290
Amount: 10.368721

Manual Integration Results



Reviewer: quirkp, 01-Sep-2011 15:39:13
Audit Action: Manually Integrated
Audit Reason: Missed Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3649.D
 Lims ID: STD3 Client ID:
 Inject. Date: 01-Sep-2011 14:22:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: STD3
 Misc. Info.: 480-0005704-005 =480-0005704-005
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 29774 Lims Sample ID: 5
 Sublist: chrom-F-8260 SOIL*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F-8260 SOIL.m
 Last Update: 01-Sep-2011 15:54:08 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 01-Sep-2011 15:54:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	496562	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	81	229962	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.818	0.0	87	248900	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.434	5.434	0.0	92	36270	20.8	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	92	209756	20.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.723	9.723	0.0	86	74172	20.2	
10 Dichlorodifluoromethane	85	2.095	2.095	0.0	92	48850	19.7	
12 Chloromethane	50	2.234	2.234	0.0	100	57983	20.3	
13 Vinyl chloride	62	2.356	2.356	0.0	75	46802	20.1	
14 Bromomethane	94	2.642	2.642	0.0	73	10174	21.8	
15 Chloroethane	64	2.727	2.727	0.0	66	13751	18.5	
17 Trichlorofluoromethane	101	2.958	2.958	0.0	80	45259	19.5	
20 Acrolein	56	3.305	3.305	0.0	94	37111	400.1	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.336	3.336	0.0	85	42256	19.9	
22 1,1-Dichloroethene	96	3.366	3.366	0.0	91	44031	19.5	
23 Acetone	43	3.421	3.421	0.0	94	116664	100.5	
25 Iodomethane	142	3.530	3.530	0.0	98	60026	19.9	
26 Carbon disulfide	76	3.591	3.591	0.0	98	119136	19.5	
27 Methyl acetate	43	3.640	3.640	0.0	91	95546	20.3	
29 Acetonitrile	40	3.676	3.676	0.0	100	196938	816.6	
30 Methylene Chloride	84	3.761	3.761	0.0	91	59557	23.6	
32 Methyl tert-butyl ether	73	3.920	3.920	0.0	92	164529	19.9	
34 trans-1,2-Dichloroethene	96	3.956	3.956	0.0	94	51582	20.4	
33 Acrylonitrile	53	3.968	3.968	0.0	97	125659	100.8	
37 Vinyl acetate	43	4.272	4.272	0.0	97	566059	104.1	
39 1,1-Dichloroethane	63	4.297	4.297	0.0	54	93356	20.3	
44 2,2-Dichloropropane	77	4.741	4.741	0.0	56	70848	19.9	
43 2-Butanone (MEK)	43	4.747	4.747	0.0	98	187712	102.2	
45 cis-1,2-Dichloroethene	96	4.759	4.759	0.0	79	58534	20.5	
48 Chlorobromomethane	128	4.966	4.966	0.0	91	31616	20.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
49 Tetrahydrofuran	42	4.984	4.984	0.0	87	119712	101.6	
50 Chloroform	83	5.002	5.002	0.0	85	90815	20.1	
51 1,1,1-Trichloroethane	97	5.148	5.148	0.0	95	77049	19.8	
52 Cyclohexane	56	5.179	5.179	0.0	94	87061	19.7	
54 1,1-Dichloropropene	75	5.264	5.264	0.0	88	68386	19.8	
55 Carbon tetrachloride	117	5.276	5.276	0.0	63	67090	19.5	
57 Benzene	78	5.459	5.459	0.0	99	202371	20.4	
58 1,2-Dichloroethane	62	5.495	5.495	0.0	70	83597	20.6	
62 Trichloroethene	95	5.982	5.982	0.0	91	54353	20.2	
64 Methylcyclohexane	83	6.122	6.122	0.0	92	82443	19.8	
65 1,2-Dichloropropane	63	6.207	6.207	0.0	87	54038	20.2	
67 Dibromomethane	93	6.341	6.341	0.0	84	33927	20.7	
68 Dichlorobromomethane	83	6.450	6.450	0.0	92	63863	19.5	
69 2-Chloroethyl vinyl ether	63	6.651	6.651	0.0	93	194537	103.1	
72 cis-1,3-Dichloropropene	75	6.828	6.828	0.0	79	84858	20.2	
73 4-Methyl-2-pentanone (MIBK)	43	6.931	6.931	0.0	98	372249	102.6	
74 Toluene	92	7.126	7.126	0.0	93	139661	20.0	
75 Ethyl methacrylate	69	7.339	7.339	0.0	83	76855	20.4	
77 trans-1,3-Dichloropropene	75	7.351	7.351	0.0	89	80097	20.2	
79 1,1,2-Trichloroethane	83	7.551	7.551	0.0	91	39951	20.3	
81 Tetrachloroethene	166	7.655	7.655	0.0	87	60044	20.0	
82 1,3-Dichloropropane	76	7.716	7.716	0.0	59	85637	20.9	
80 2-Hexanone	43	7.722	7.722	0.0	93	277004	102.7	
83 Chlorodibromomethane	129	7.965	7.965	0.0	81	51742	19.2	
84 Ethylene Dibromide	107	8.099	8.099	0.0	92	55621	20.4	
87 Chlorobenzene	112	8.549	8.549	0.0	92	159320	20.3	
88 Ethylbenzene	91	8.610	8.610	0.0	52	256575	20.3	
89 1,1,1,2-Tetrachloroethane	131	8.628	8.628	0.0	64	52275	19.9	
90 m-Xylene & p-Xylene	106	8.726	8.726	0.0	98	211134	40.5	
91 o-Xylene	106	9.158	9.158	0.0	94	102697	20.2	
92 Styrene	104	9.182	9.182	0.0	96	178845	20.4	
95 Bromoform	173	9.456	9.456	0.0	87	29156	16.1	
94 Isopropylbenzene	105	9.516	9.516	0.0	93	262009	20.5	
97 1,1,2,2-Tetrachloroethane	83	9.882	9.882	0.0	90	64846	20.5	
101 Bromobenzene	156	9.894	9.894	0.0	93	71820	20.6	
98 trans-1,4-Dichloro-2-butene	53	9.918	9.918	0.0	61	114538	102.4	
99 N-Propylbenzene	91	9.924	9.924	0.0	93	310267	20.9	
100 1,2,3-Trichloropropane	110	9.936	9.936	0.0	41	23615	21.6	
103 2-Chlorotoluene	126	10.052	10.052	0.0	95	65478	20.5	
102 1,3,5-Trimethylbenzene	105	10.082	10.082	0.0	93	223197	20.7	
105 4-Chlorotoluene	126	10.155	10.155	0.0	97	70398	20.5	
106 tert-Butylbenzene	134	10.399	10.399	0.0	90	50741	20.7	
107 1,2,4-Trimethylbenzene	105	10.447	10.447	0.0	31	227664	20.5	
109 sec-Butylbenzene	105	10.599	10.599	0.0	92	279196	20.4	
110 4-Isopropyltoluene	119	10.715	10.715	0.0	95	242889	20.5	
111 1,3-Dichlorobenzene	146	10.758	10.758	0.0	90	135377	20.4	
113 1,4-Dichlorobenzene	146	10.837	10.837	0.0	93	137038	20.4	
115 n-Butylbenzene	91	11.086	11.086	0.0	93	208408	20.4	
116 1,2-Dichlorobenzene	146	11.177	11.177	0.0	96	129666	20.3	
117 1,2-Dibromo-3-Chloropropane	75	11.853	11.853	0.0	64	11487	19.0	
119 1,2,4-Trichlorobenzene	180	12.510	12.510	0.0	93	83690	20.4	
120 Hexachlorobutadiene	225	12.607	12.607	0.0	92	41094	21.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.747	12.747	0.0	96	232012	20.2	
122 1,2,3-Trichlorobenzene	180	12.972	12.972	0.0	93	75321	20.3	
S 123 Total BTEX	1				0		121.4	
S 124 Xylenes, Total	1				0		60.7	
S 125 1,2-Dichloroethene, Total	1				0		40.9	
S 126 1,3-Dichloropropene, Total	1				0		40.3	

Report Date: 01-Sep-2011 15:54:08

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3649.D

Injection Date: 01-Sep-2011 14:22:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29774

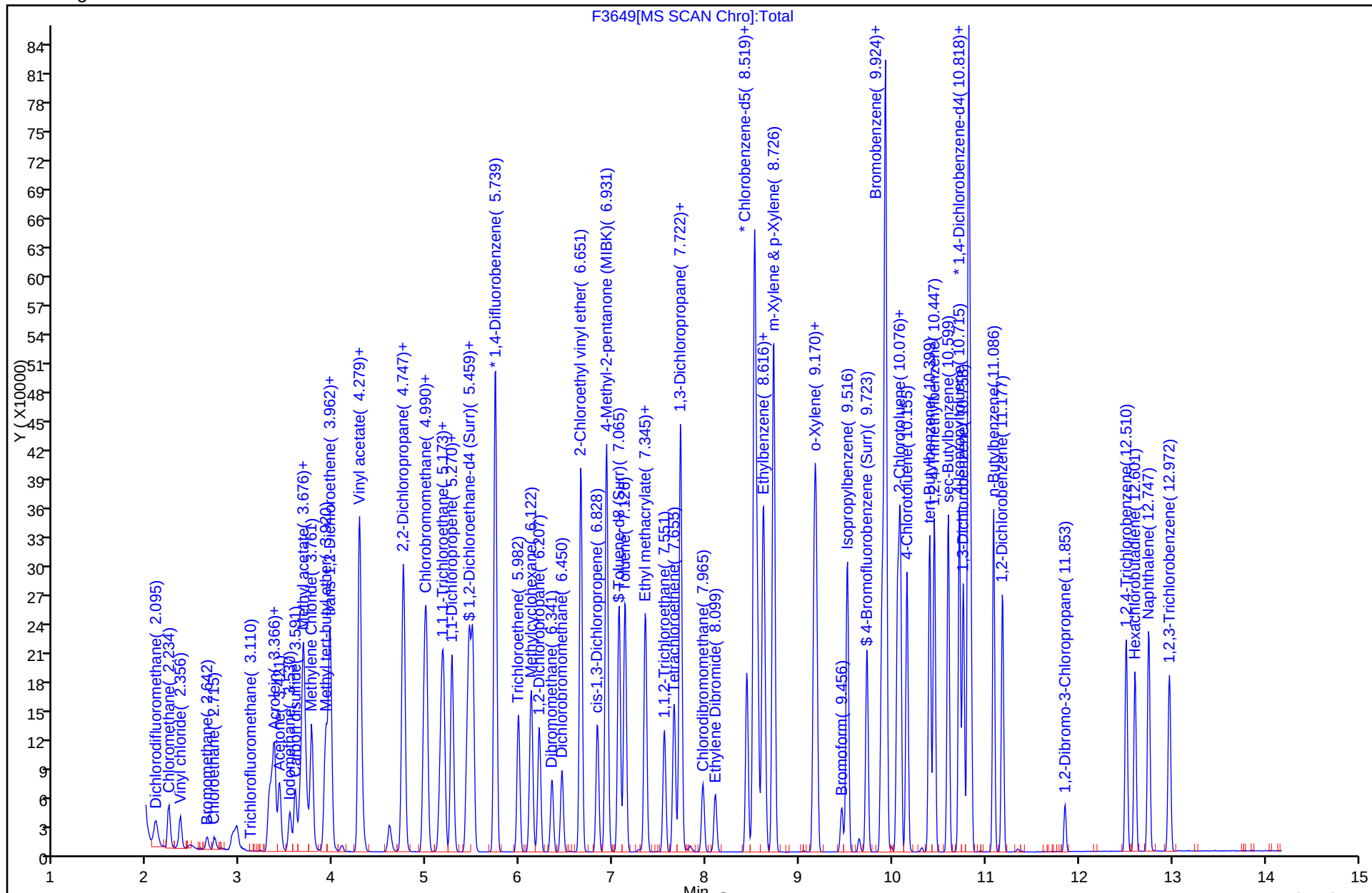
Lims Sample ID: 5

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3650.D
 Lims ID: STD4 Client ID:
 Inject. Date: 01-Sep-2011 14:47:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 4
 Sample ID: STD4
 Misc. Info.: 480-0005704-006 =480-0005704-006
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 29774 Lims Sample ID: 6
 Sublist: chrom-F-8260 SOIL*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F-8260 SOIL.m
 Last Update: 01-Sep-2011 15:54:14 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 01-Sep-2011 15:54:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	499896	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	75	231818	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.819	10.819	0.0	78	257664	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.429	5.429	0.0	95	84764	48.3	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	92	540319	51.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.724	9.724	0.0	88	179384	48.3	
10 Dichlorodifluoromethane	85	2.095	2.095	0.0	98	125465	50.2	
12 Chloromethane	50	2.241	2.241	0.0	99	139444	48.4	
13 Vinyl chloride	62	2.368	2.368	0.0	97	114985	49.0	
14 Bromomethane	94	2.648	2.648	0.0	84	24461	48.6	
15 Chloroethane	64	2.727	2.727	0.0	90	34461	46.1	
17 Trichlorofluoromethane	101	2.959	2.959	0.0	94	112625	48.2	
20 Acrolein	56	3.311	3.311	0.0	95	95967	1027.6	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.336	3.336	0.0	91	106208	49.6	
22 1,1-Dichloroethene	96	3.372	3.372	0.0	93	113013	49.7	
23 Acetone	43	3.427	3.427	0.0	98	297976	254.9	
25 Iodomethane	142	3.537	3.537	0.0	99	153264	50.4	
26 Carbon disulfide	76	3.597	3.597	0.0	100	309344	50.2	
27 Methyl acetate	43	3.646	3.646	0.0	92	245525	51.8	
29 Acetonitrile	40	3.683	3.683	0.0	99	500058	2059.8	
30 Methylene Chloride	84	3.768	3.768	0.0	91	136647	53.9	
32 Methyl tert-butyl ether	73	3.920	3.920	0.0	92	427634	51.4	
34 trans-1,2-Dichloroethene	96	3.956	3.956	0.0	97	126362	49.6	
33 Acrylonitrile	53	3.975	3.975	0.0	98	329107	262.2	
37 Vinyl acetate	43	4.279	4.279	0.0	97	1426744	260.7	
39 1,1-Dichloroethane	63	4.303	4.303	0.0	73	230864	49.8	
44 2,2-Dichloropropane	77	4.753	4.753	0.0	54	178840	49.8	
43 2-Butanone (MEK)	43	4.747	4.747	0.0	98	480460	259.8	
45 cis-1,2-Dichloroethene	96	4.759	4.759	0.0	78	141975	49.4	
48 Chlorobromomethane	128	4.972	4.972	0.0	80	79605	51.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
49 Tetrahydrofuran	42	4.991	4.991	0.0	89	310852	261.9	
50 Chloroform	83	5.003	5.003	0.0	95	222110	48.9	
51 1,1,1-Trichloroethane	97	5.149	5.149	0.0	96	193962	49.6	
52 Cyclohexane	56	5.179	5.179	0.0	93	221051	49.6	
54 1,1-Dichloropropene	75	5.270	5.270	0.0	89	169800	48.8	
55 Carbon tetrachloride	117	5.283	5.283	0.0	87	175945	50.8	
57 Benzene	78	5.459	5.459	0.0	98	495501	49.7	
58 1,2-Dichloroethane	62	5.495	5.495	0.0	72	207785	50.8	
62 Trichloroethene	95	5.988	5.988	0.0	95	134094	49.4	
64 Methylcyclohexane	83	6.122	6.122	0.0	94	209163	49.8	
65 1,2-Dichloropropane	63	6.207	6.207	0.0	88	134425	50.0	
67 Dibromomethane	93	6.347	6.347	0.0	87	85763	52.1	
68 Dichlorobromomethane	83	6.451	6.451	0.0	97	168166	51.0	
69 2-Chloroethyl vinyl ether	63	6.657	6.657	0.0	93	492216	259.1	
72 cis-1,3-Dichloropropene	75	6.834	6.834	0.0	87	215377	50.9	
73 4-Methyl-2-pentanone (MIBK)	43	6.931	6.931	0.0	98	959208	262.3	
74 Toluene	92	7.132	7.132	0.0	93	340932	48.4	
75 Ethyl methacrylate	69	7.345	7.345	0.0	83	198163	52.1	
77 trans-1,3-Dichloropropene	75	7.351	7.351	0.0	90	207261	51.8	
79 1,1,2-Trichloroethane	83	7.552	7.552	0.0	92	101022	50.8	
81 Tetrachloroethene	166	7.655	7.655	0.0	97	148646	49.2	
82 1,3-Dichloropropane	76	7.722	7.722	0.0	53	210113	50.8	
80 2-Hexanone	43	7.722	7.722	0.0	90	719054	264.5	
83 Chlorodibromomethane	129	7.965	7.965	0.0	89	140753	51.9	
84 Ethylene Dibromide	107	8.099	8.099	0.0	97	141321	51.4	
87 Chlorobenzene	112	8.549	8.549	0.0	92	390480	49.4	
88 Ethylbenzene	91	8.610	8.610	0.0	56	629912	49.4	
89 1,1,1,2-Tetrachloroethane	131	8.628	8.628	0.0	56	136447	51.5	
90 m-Xylene & p-Xylene	106	8.726	8.726	0.0	98	518656	98.6	
91 o-Xylene	106	9.158	9.158	0.0	94	253921	49.6	
92 Styrene	104	9.182	9.182	0.0	95	442096	50.0	
95 Bromoform	173	9.456	9.456	0.0	96	84257	46.0	
94 Isopropylbenzene	105	9.517	9.517	0.0	94	643275	48.5	
97 1,1,2,2-Tetrachloroethane	83	9.882	9.882	0.0	95	169748	51.7	
101 Bromobenzene	156	9.894	9.894	0.0	92	179611	49.8	
98 trans-1,4-Dichloro-2-butene	53	9.924	9.924	0.0	64	303840	262.4	
99 N-Propylbenzene	91	9.924	9.924	0.0	93	753579	49.0	
100 1,2,3-Trichloropropane	110	9.936	9.936	0.0	42	57690	51.0	
103 2-Chlorotoluene	126	10.052	10.052	0.0	96	163009	49.2	
102 1,3,5-Trimethylbenzene	105	10.082	10.082	0.0	94	548415	49.1	
105 4-Chlorotoluene	126	10.155	10.155	0.0	95	174076	49.0	
106 tert-Butylbenzene	134	10.399	10.399	0.0	91	123927	48.8	
107 1,2,4-Trimethylbenzene	105	10.447	10.447	0.0	42	560476	48.8	
109 sec-Butylbenzene	105	10.600	10.600	0.0	94	690554	48.8	
110 4-Isopropyltoluene	119	10.715	10.715	0.0	97	605205	49.4	
111 1,3-Dichlorobenzene	146	10.758	10.758	0.0	91	341698	49.7	
113 1,4-Dichlorobenzene	146	10.837	10.837	0.0	95	344662	49.5	
115 n-Butylbenzene	91	11.086	11.086	0.0	94	518567	49.1	
116 1,2-Dichlorobenzene	146	11.178	11.178	0.0	97	327861	49.6	
117 1,2-Dibromo-3-Chloropropane	75	11.853	11.853	0.0	73	33742	54.0	
119 1,2,4-Trichlorobenzene	180	12.510	12.510	0.0	96	212880	50.2	
120 Hexachlorobutadiene	225	12.607	12.607	0.0	97	99399	49.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.753	12.753	0.0	97	614199	51.6	
122 1,2,3-Trichlorobenzene	180	12.972	12.972	0.0	95	197103	51.2	
S 123 Total BTEX	1				0		295.7	
S 124 Xylenes, Total	1				0		148.2	
S 125 1,2-Dichloroethene, Total	1				0		99.1	
S 126 1,3-Dichloropropene, Total	1				0		102.6	

Report Date: 01-Sep-2011 15:54:14

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3650.D

Injection Date: 01-Sep-2011 14:47:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29774

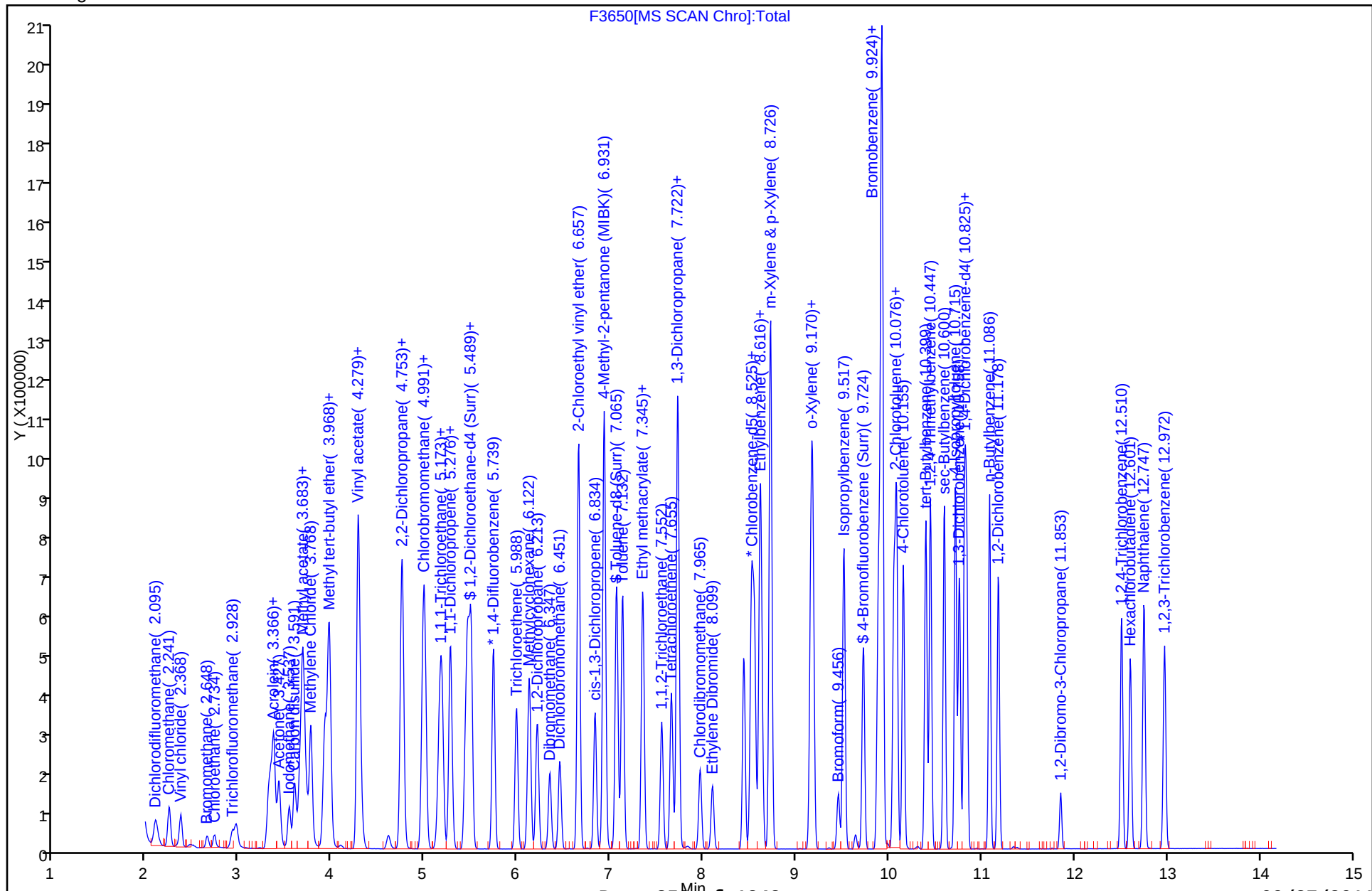
Lims Sample ID: 6

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3651.D
 Lims ID: STD5 Client ID:
 Inject. Date: 01-Sep-2011 15:13:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: STD5
 Misc. Info.: 480-0005704-007 =480-0005704-007
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 29774 Lims Sample ID: 7
 Sublist: chrom-F-8260 SOIL*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F-8260 SOIL.m
 Last Update: 01-Sep-2011 15:54:21 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 01-Sep-2011 15:54:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	506718	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	75	233184	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.819	-0.001	72	261750	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.434	5.429	0.005	93	174321	98.0	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	1061081	99.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.723	9.724	-0.001	88	365591	98.0	
10 Dichlorodifluoromethane	85	2.095	2.095	-0.001	97	257418	101.6	
12 Chloromethane	50	2.247	2.241	0.006	100	287115	98.3	
13 Vinyl chloride	62	2.374	2.368	0.006	97	236593	99.5	
14 Bromomethane	94	2.654	2.648	0.006	90	57275	100.1	
15 Chloroethane	64	2.733	2.727	0.006	99	77844	102.7	
17 Trichlorofluoromethane	101	2.964	2.959	0.005	98	242930	102.5	
20 Acrolein	56	3.311	3.311	0.0	94	195398	2064.2	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.342	3.336	0.006	84	218430	100.7	
22 1,1-Dichloroethene	96	3.372	3.372	0.0	92	230338	99.9	
23 Acetone	43	3.427	3.427	0.0	96	581845	491.0	
25 Iodomethane	142	3.536	3.537	-0.001	99	314218	101.9	
26 Carbon disulfide	76	3.597	3.597	0.0	100	635936	101.9	
27 Methyl acetate	43	3.646	3.646	0.0	92	487194	101.3	
29 Acetonitrile	40	3.682	3.683	-0.001	100	993627	4037.7	
30 Methylene Chloride	84	3.767	3.768	-0.001	91	262734	102.2	
32 Methyl tert-butyl ether	73	3.920	3.920	0.0	93	857495	101.7	
34 trans-1,2-Dichloroethene	96	3.962	3.956	0.006	86	256402	99.4	
33 Acrylonitrile	53	3.974	3.975	-0.001	98	654559	514.5	
37 Vinyl acetate	43	4.279	4.279	-0.001	97	2766136	498.7	
39 1,1-Dichloroethane	63	4.303	4.303	0.0	71	466570	99.3	
44 2,2-Dichloropropane	77	4.747	4.753	-0.006	56	362387	99.6	
43 2-Butanone (MEK)	43	4.747	4.747	0.0	98	951331	507.5	
45 cis-1,2-Dichloroethene	96	4.759	4.759	0.0	78	286120	98.3	
48 Chlorobromomethane	128	4.972	4.972	0.0	81	157904	100.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
49 Tetrahydrofuran	42	4.984	4.991	-0.006	89	616274	512.3	
50 Chloroform	83	5.002	5.003	-0.001	94	444405	96.6	
51 1,1,1-Trichloroethane	97	5.148	5.149	-0.001	96	400075	101.0	
52 Cyclohexane	56	5.179	5.179	0.0	94	461191	102.1	
54 1,1-Dichloropropene	75	5.270	5.270	0.0	89	350467	99.4	
55 Carbon tetrachloride	117	5.282	5.283	-0.001	78	372015	106.0	
57 Benzene	78	5.459	5.459	0.0	98	993688	98.3	
58 1,2-Dichloroethane	62	5.495	5.495	0.0	72	413728	99.8	
62 Trichloroethene	95	5.988	5.988	0.0	95	276381	100.5	
64 Methylcyclohexane	83	6.122	6.122	0.0	95	434834	102.2	
65 1,2-Dichloropropane	63	6.213	6.207	0.006	92	272418	99.9	
67 Dibromomethane	93	6.347	6.347	0.0	86	172519	103.4	
68 Dichlorobromomethane	83	6.450	6.451	-0.001	98	350591	104.9	
69 2-Chloroethyl vinyl ether	63	6.657	6.657	0.0	93	976581	507.2	
72 cis-1,3-Dichloropropene	75	6.834	6.834	0.0	88	442185	103.0	
73 4-Methyl-2-pentanone (MIBK)	43	6.931	6.931	0.0	96	1891031	514.1	
74 Toluene	92	7.132	7.132	0.0	94	687811	97.0	
75 Ethyl methacrylate	69	7.345	7.345	0.0	84	406880	106.3	
77 trans-1,3-Dichloropropene	75	7.351	7.351	0.0	87	422018	104.8	
79 1,1,2-Trichloroethane	83	7.551	7.552	-0.001	93	204557	102.3	
81 Tetrachloroethene	166	7.655	7.655	0.0	95	301675	99.3	
82 1,3-Dichloropropane	76	7.722	7.722	0.0	54	412623	99.1	
80 2-Hexanone	43	7.728	7.722	0.006	89	1420045	519.3	
83 Chlorodibromomethane	129	7.965	7.965	0.0	90	307507	112.8	
84 Ethylene Dibromide	107	8.099	8.099	0.0	97	283358	102.5	
87 Chlorobenzene	112	8.549	8.549	0.0	92	789210	99.3	
88 Ethylbenzene	91	8.610	8.610	0.0	57	1262184	98.4	
89 1,1,1,2-Tetrachloroethane	131	8.628	8.628	0.0	57	284396	106.6	
90 m-Xylene & p-Xylene	106	8.726	8.726	0.0	98	1036114	195.8	
91 o-Xylene	106	9.164	9.158	0.006	91	509920	99.1	
92 Styrene	104	9.182	9.182	0.0	95	899638	101.1	
95 Bromoform	173	9.456	9.456	0.0	96	190002	103.2	
94 Isopropylbenzene	105	9.516	9.517	-0.001	95	1305839	97.0	
97 1,1,2,2-Tetrachloroethane	83	9.881	9.882	-0.001	96	337414	101.2	
101 Bromobenzene	156	9.894	9.894	0.0	93	351462	95.9	
98 trans-1,4-Dichloro-2-butene	53	9.924	9.924	0.0	66	600934	510.9	
99 N-Propylbenzene	91	9.924	9.924	0.0	92	1480270	94.8	
100 1,2,3-Trichloropropane	110	9.936	9.936	0.0	44	114062	99.3	
103 2-Chlorotoluene	126	10.058	10.052	0.006	96	328215	97.6	
102 1,3,5-Trimethylbenzene	105	10.082	10.082	0.0	94	1097805	96.7	
105 4-Chlorotoluene	126	10.155	10.155	0.0	95	353198	97.8	
106 tert-Butylbenzene	134	10.399	10.399	0.0	92	251959	97.6	
107 1,2,4-Trimethylbenzene	105	10.447	10.447	0.0	49	1121425	96.2	
109 sec-Butylbenzene	105	10.599	10.600	-0.001	94	1396137	97.1	
110 4-Isopropyltoluene	119	10.721	10.715	0.006	96	1220741	98.0	
111 1,3-Dichlorobenzene	146	10.758	10.758	0.0	97	683310	97.8	
113 1,4-Dichlorobenzene	146	10.837	10.837	0.0	94	693087	98.1	
115 n-Butylbenzene	91	11.086	11.086	0.0	94	1052918	98.1	
116 1,2-Dichlorobenzene	146	11.183	11.178	0.005	98	656644	97.9	
117 1,2-Dibromo-3-Chloropropane	75	11.853	11.853	0.0	80	71629	112.9	
119 1,2,4-Trichlorobenzene	180	12.510	12.510	0.0	92	429025	99.5	
120 Hexachlorobutadiene	225	12.607	12.607	0.0	97	203678	99.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.753	12.753	0.0	97	1235261	102.2	
122 1,2,3-Trichlorobenzene	180	12.972	12.972	0.0	96	393970	100.8	
S 123 Total BTEX	1				0		588.6	
S 124 Xylenes, Total	1				0		294.9	
S 125 1,2-Dichloroethene, Total	1				0		197.6	
S 126 1,3-Dichloropropene, Total	1				0		207.8	

Report Date: 01-Sep-2011 15:54:21

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3651.D

Injection Date: 01-Sep-2011 15:13:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29774

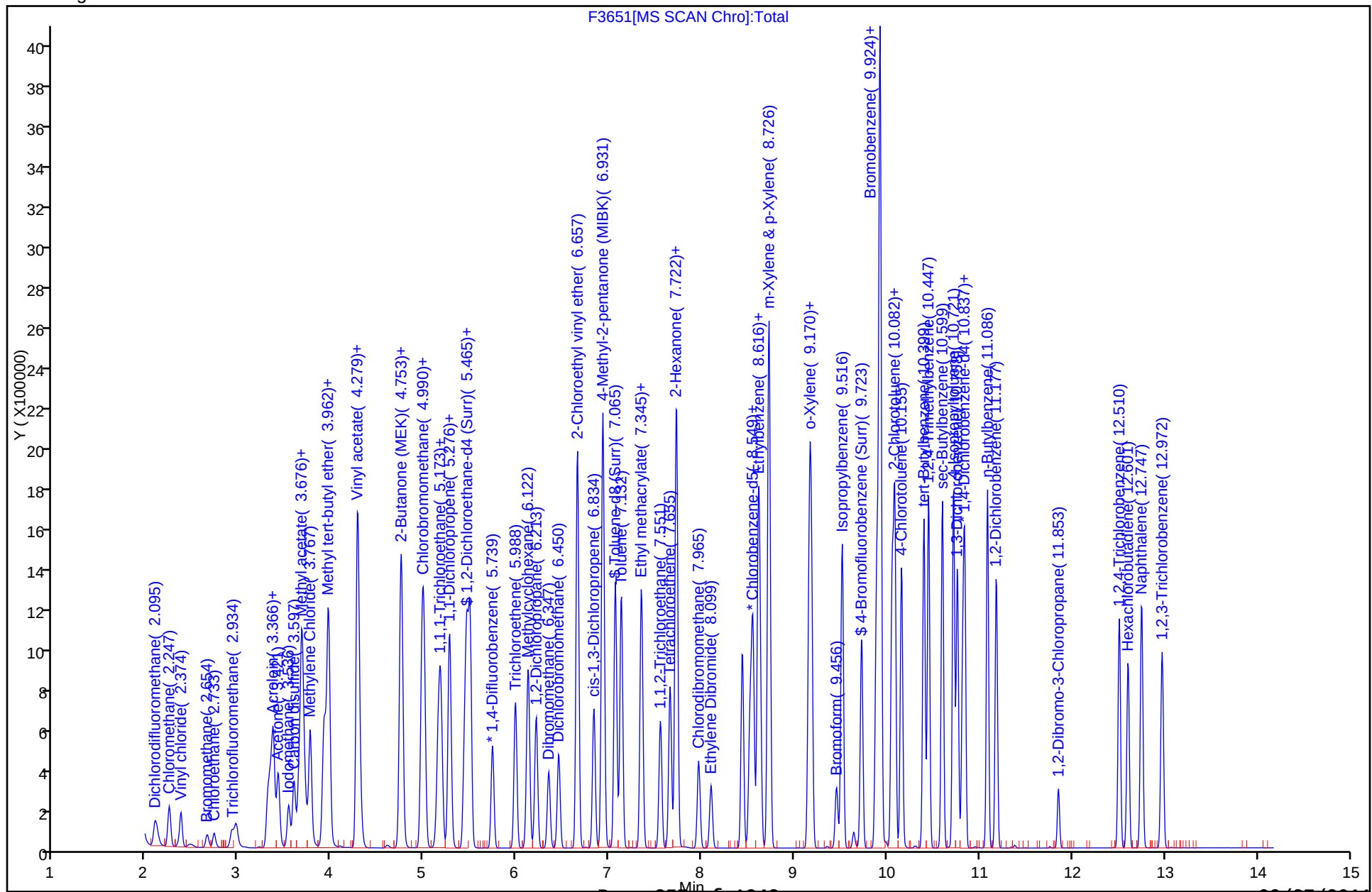
Lims Sample ID: 7

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Lims ID: STD6 Client ID:
 Inject. Date: 01-Sep-2011 15:38:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: STD6
 Misc. Info.: 480-0005704-008 =480-0005704-008
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 8
 Lims Batch ID: 29774 Lims Sample ID: 8
 Sublist: chrom-F-8260 SOIL*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F-8260 SOIL.m
 Last Update: 01-Sep-2011 15:54:31 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 01-Sep-2011 15:54:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	95	507039	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	75	232526	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.819	-0.001	62	254271	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.435	5.429	0.006	94	339866	190.9	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	1999712	188.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.730	9.724	0.006	90	688259	184.9	
10 Dichlorodifluoromethane	85	2.101	2.095	0.006	98	465985	183.9	
12 Chloromethane	50	2.253	2.241	0.012	99	524467	179.5	
13 Vinyl chloride	62	2.374	2.368	0.006	82	428164	179.9	
14 Bromomethane	94	2.666	2.648	0.018	89	138685	200.0	
15 Chloroethane	64	2.733	2.727	0.006	99	166971	220.1	
17 Trichlorofluoromethane	101	2.971	2.959	0.012	98	463002	195.3	
20 Acrolein	56	3.311	3.311	0.0	96	356230	3760.8	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.342	3.336	0.006	93	404344	186.3	
22 1,1-Dichloroethene	96	3.372	3.372	0.0	97	424140	183.9	
23 Acetone	43	3.427	3.427	0.0	96	1055606	890.2	
25 Iodomethane	142	3.536	3.537	-0.001	99	597772	193.8	
26 Carbon disulfide	76	3.597	3.597	0.0	100	1185323	189.8	
27 Methyl acetate	43	3.646	3.646	0.0	92	880687	183.0	
29 Acetonitrile	40	3.682	3.683	-0.001	100	1787460	7258.9	
30 Methylene Chloride	84	3.774	3.768	0.006	91	507744	197.3	
32 Methyl tert-butyl ether	73	3.920	3.920	0.0	93	1618942	191.8	
34 trans-1,2-Dichloroethene	96	3.962	3.956	0.006	91	479836	185.8	
33 Acrylonitrile	53	3.974	3.975	-0.001	98	1181775	928.3	
37 Vinyl acetate	43	4.279	4.279	0.0	98	4800091	864.9	
39 1,1-Dichloroethane	63	4.303	4.303	0.0	69	874967	186.1	
43 2-Butanone (MEK)	43	4.747	4.747	0.0	98	1649480	879.3	
44 2,2-Dichloropropane	77	4.747	4.753	-0.006	57	681158	187.1	
45 cis-1,2-Dichloroethene	96	4.759	4.759	0.0	79	541932	186.0	
48 Chlorobromomethane	128	4.972	4.972	0.0	84	303006	192.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
49 Tetrahydrofuran	42	4.984	4.991	-0.006	90	1076521	894.3	
50 Chloroform	83	5.003	5.003	0.0	96	850824	184.8	
51 1,1,1-Trichloroethane	97	5.149	5.149	0.0	97	765471	193.1	
52 Cyclohexane	56	5.179	5.179	0.0	94	837299	185.2	
54 1,1-Dichloropropene	75	5.270	5.270	0.0	88	646307	183.2	
55 Carbon tetrachloride	117	5.282	5.283	-0.001	78	719426	204.8	
57 Benzene	78	5.465	5.459	0.006	98	1855300	183.3	
58 1,2-Dichloroethane	62	5.501	5.495	0.006	85	776666	187.2	
62 Trichloroethene	95	5.988	5.988	0.0	95	520053	188.9	
64 Methylcyclohexane	83	6.122	6.122	0.0	96	796064	187.0	
65 1,2-Dichloropropane	63	6.213	6.207	0.006	92	525105	192.4	
67 Dibromomethane	93	6.347	6.347	0.0	86	331483	198.5	
68 Dichlorobromomethane	83	6.457	6.451	0.006	97	693377	207.3	
69 2-Chloroethyl vinyl ether	63	6.657	6.657	0.0	94	1764873	916.1	
72 cis-1,3-Dichloropropene	75	6.834	6.834	0.0	89	857528	199.6	
73 4-Methyl-2-pentanone (MIBK)	43	6.931	6.931	0.0	96	3229821	880.5	
74 Toluene	92	7.132	7.132	0.0	94	1297323	183.5	
75 Ethyl methacrylate	69	7.345	7.345	0.0	84	741059	194.2	
77 trans-1,3-Dichloropropene	75	7.357	7.351	0.006	94	808428	201.4	
79 1,1,2-Trichloroethane	83	7.552	7.552	0.0	93	386623	194.0	
81 Tetrachloroethene	166	7.655	7.655	0.0	95	560471	184.9	
80 2-Hexanone	43	7.728	7.722	0.006	88	2407956	883.1	
82 1,3-Dichloropropane	76	7.722	7.722	0.0	56	766149	184.5	
83 Chlorodibromomethane	129	7.965	7.965	0.0	89	612611	225.3	
84 Ethylene Dibromide	107	8.099	8.099	0.0	98	537295	194.9	
87 Chlorobenzene	112	8.549	8.549	0.0	92	1483278	187.3	
88 Ethylbenzene	91	8.610	8.610	0.0	57	2320050	181.4	
89 1,1,1,2-Tetrachloroethane	131	8.628	8.628	0.0	56	551921	207.5	
90 m-Xylene & p-Xylene	106	8.726	8.726	0.0	98	1915972	363.2	
91 o-Xylene	106	9.158	9.158	0.0	94	961145	187.3	
92 Styrene	104	9.182	9.182	0.0	95	1684714	189.9	
95 Bromoform	173	9.456	9.456	0.0	96	384392	209.3	
94 Isopropylbenzene	105	9.517	9.517	0.0	95	2398100	183.4	
97 1,1,2,2-Tetrachloroethane	83	9.882	9.882	0.0	96	612989	189.2	
101 Bromobenzene	156	9.894	9.894	0.0	93	658826	185.2	
98 trans-1,4-Dichloro-2-butene	53	9.924	9.924	0.0	64	1023821	896.0	
99 N-Propylbenzene	91	9.924	9.924	0.0	93	2661216	175.4	
100 1,2,3-Trichloropropane	110	9.936	9.936	0.0	43	205467	184.1	
103 2-Chlorotoluene	126	10.058	10.052	0.006	96	609777	186.6	
102 1,3,5-Trimethylbenzene	105	10.082	10.082	0.0	94	2011251	182.3	
105 4-Chlorotoluene	126	10.155	10.155	0.0	97	657333	187.4	
106 tert-Butylbenzene	134	10.399	10.399	0.0	92	465847	185.7	
107 1,2,4-Trimethylbenzene	105	10.447	10.447	0.0	46	2075853	183.2	
109 sec-Butylbenzene	105	10.599	10.600	-0.001	94	2529185	181.2	
110 4-Isopropyltoluene	119	10.715	10.715	0.0	96	2219136	183.4	
111 1,3-Dichlorobenzene	146	10.764	10.758	0.006	97	1263630	186.2	
113 1,4-Dichlorobenzene	146	10.837	10.837	0.0	93	1274645	185.6	
115 n-Butylbenzene	91	11.086	11.086	0.0	94	1909761	183.2	
116 1,2-Dichlorobenzene	146	11.183	11.178	0.005	98	1212071	186.0	
117 1,2-Dibromo-3-Chloropropane	75	11.853	11.853	0.0	85	133238	216.3	
119 1,2,4-Trichlorobenzene	180	12.510	12.510	0.0	93	768408	183.5	
120 Hexachlorobutadiene	225	12.607	12.607	0.0	97	359215	179.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.747	12.753	-0.006	97	2155168	183.6	
122 1,2,3-Trichlorobenzene	180	12.972	12.972	0.0	95	707830	186.5	
S 123 Total BTEX	1				0		1098.6	
S 124 Xylenes, Total	1				0		550.4	
S 125 1,2-Dichloroethene, Total	1				0		371.9	
S 126 1,3-Dichloropropene, Total	1				0		401.0	

Report Date: 01-Sep-2011 15:54:31

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D

Injection Date: 01-Sep-2011 15:38:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29774

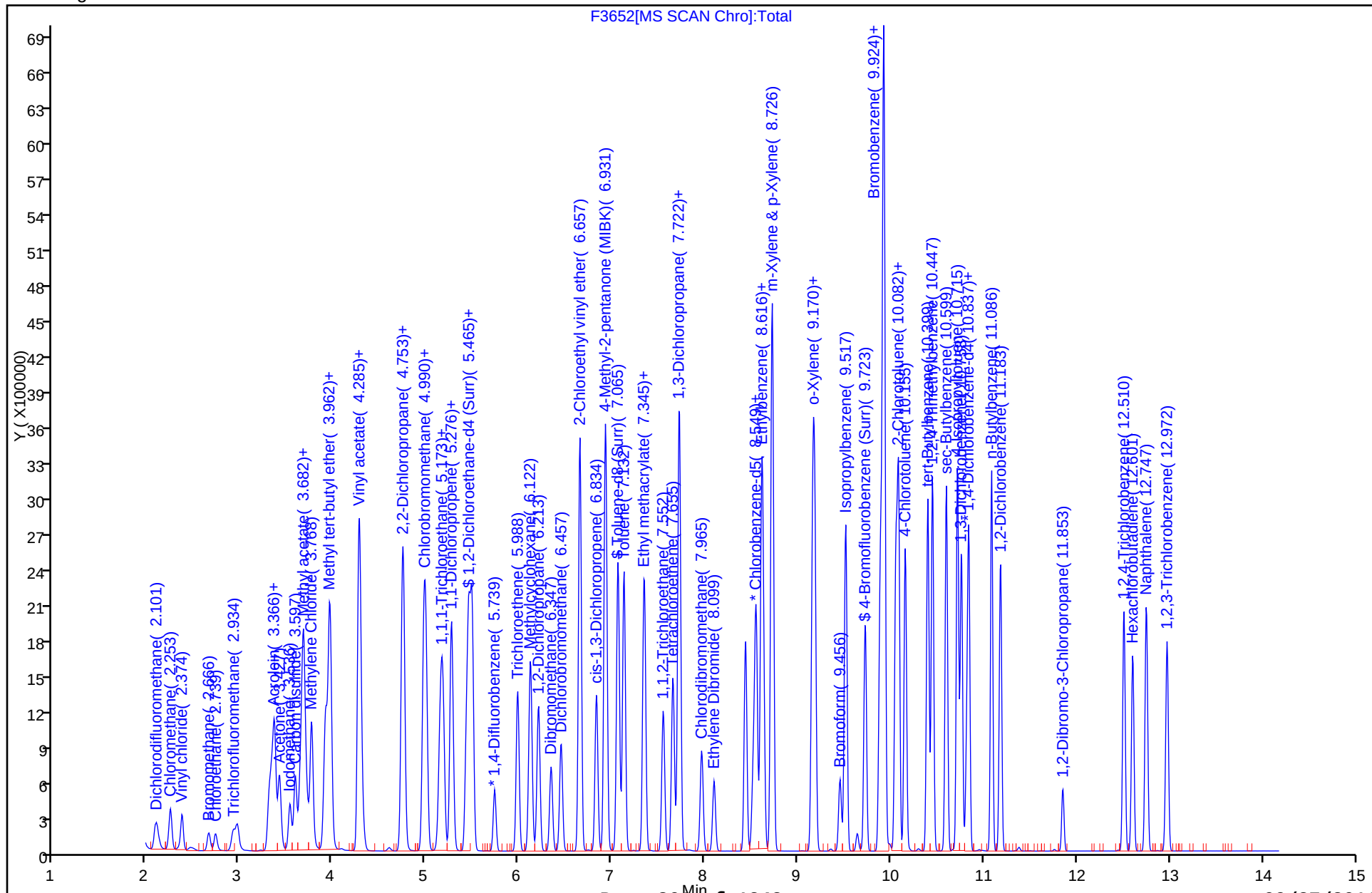
Lims Sample ID: 8

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 27944

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2011 15:26 Calibration End Date: 08/18/2011 17:33 Calibration ID: 3702

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-27944/4	P4551.D
Level 2	STD2 480-27944/5	P4552.D
Level 3	STD3 480-27944/6	P4553.D
Level 4	STD4 480-27944/7	P4554.D
Level 5	STD5 480-27944/8	P4555.D
Level 6	STD6 480-27944/9	P4556.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3720 0.3545	0.3664	0.3900	0.3909	0.3620	Ave		0.3726				4.0		15.0			
Chloromethane	0.3980 0.3193	0.3901	0.3877	0.3812	0.3447	Ave		0.3702			0.1000	8.4		15.0			
Vinyl chloride	0.3596 0.3088	0.3476	0.3613	0.3573	0.3300	Ave		0.3441				6.0		30.0			
Bromomethane	0.0602 0.0680	0.0653	0.0643	0.0607	0.0615	Ave		0.0633				4.8		15.0			
Chloroethane	0.0473 0.0656	0.0574	0.0537	0.0543	0.0593	Ave		0.0563				11.0		15.0			
Trichlorofluoromethane	0.6254 0.5711	0.5958	0.6436	0.6248	0.5664	Ave		0.6045				5.2		15.0			
Acrolein	0.0157 0.0164	0.0158	0.0163	0.0180	0.0158	Ave		0.0163				5.3		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.3251 0.3331	0.3211	0.3376	0.3553	0.3259	Ave		0.3330				3.7		15.0			
1,1-Dichloroethene	0.3113 0.3209	0.3140	0.3341	0.3413	0.3118	Ave		0.3222				3.9		30.0			
Acetone	0.1306 0.1070	0.1263	0.1208	0.1255	0.1054	Ave		0.1193				8.9		15.0			
Iodomethane	0.4157 0.4476	0.4253	0.4360	0.4652	0.4358	Ave		0.4376				4.0		15.0			
Carbon disulfide	0.7685 0.9248	0.7993	0.8704	0.9737	0.9139	Ave		0.8751				9.0		15.0			
Methyl acetate	0.5237 0.4754	0.5131	0.5199	0.5494	0.4728	Ave		0.5091				5.8		15.0			
Acetonitrile	0.0316 0.0256	0.0304	0.0300	0.0310	0.0261	Ave		0.0291				8.9		15.0			
Methylene Chloride	0.5951 0.3657	0.4662	0.4349	0.4083	0.3686	LinF		0.3691							0.9980		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 27944

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2011 15:26 Calibration End Date: 08/18/2011 17:33 Calibration ID: 3702

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl tert-butyl ether	0.9326 0.9527	0.9489	0.9545	1.0392	0.9484	Ave		0.9627				4.0		15.0			
trans-1,2-Dichloroethene	0.3444 0.3527	0.3401	0.3576	0.3696	0.3444	Ave		0.3515				3.1		15.0			
Acrylonitrile	0.1444 0.1358	0.1453	0.1459	0.1571	0.1363	Ave		0.1442				5.4		15.0			
Vinyl acetate	0.5588 0.4274	0.5855	0.5926	0.6142	0.5189	Ave		0.5495				12.0		15.0			
1,1-Dichloroethane	0.6643 0.6184	0.6665	0.6799	0.6893	0.6339	Ave		0.6587			0.1000	4.1		15.0			
2-Butanone (MEK)	0.2051 0.1645	0.1938	0.1928	0.2043	0.1736	Ave		0.1890				8.7		15.0			
2,2-Dichloropropane	0.4132 0.4656	0.4327	0.4592	0.4826	0.4578	Ave		0.4519				5.5		15.0			
cis-1,2-Dichloroethene	0.3714 0.3827	0.3774	0.3934	0.4060	0.3782	Ave		0.3848				3.3		15.0			
Bromochloromethane	0.1818 0.1963	0.1849	0.1899	0.2003	0.1891	Ave		0.1904				3.6		15.0			
Tetrahydrofuran	0.1196 0.1079	0.1209	0.1215	0.1300	0.1096	Ave		0.1183				7.0		15.0			
Chloroform	0.6577 0.5929	0.6371	0.6413	0.6464	0.5945	Ave		0.6283				4.4		30.0			
1,1,1-Trichloroethane	0.4540 0.4990	0.4613	0.4848	0.5114	0.4846	Ave		0.4825				4.5		15.0			
Cyclohexane	0.5734 0.5439	0.5454	0.5707	0.5942	0.5409	Ave		0.5614				3.8		15.0			
1,1-Dichloropropene	0.4677 0.4532	0.4591	0.4755	0.4779	0.4449	Ave		0.4630				2.8		15.0			
Carbon tetrachloride	0.3649 0.4729	0.3758	0.3995	0.4464	0.4385	Ave		0.4163				10.0		15.0			
Benzene	1.3438 1.2251	1.3330	1.3728	1.3748	1.2663	Ave		1.3193				4.6		15.0			
1,2-Dichloroethane	0.4823 0.4378	0.4848	0.4833	0.4872	0.4458	Ave		0.4702				4.7		15.0			
Trichloroethene	0.3401 0.3502	0.3386	0.3527	0.3601	0.3400	Ave		0.3469				2.5		15.0			
Methylcyclohexane	0.5175 0.5508	0.5128	0.5324	0.5689	0.5306	Ave		0.5355				3.9		15.0			
1,2-Dichloropropane	0.3534 0.3539	0.3604	0.3666	0.3774	0.3501	Ave		0.3603				2.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 27944

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2011 15:26 Calibration End Date: 08/18/2011 17:33 Calibration ID: 3702

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dibromomethane	0.2062 0.2251	0.2167	0.2209	0.2322	0.2199	Ave		0.2202				3.9		15.0			
Bromodichloromethane	0.3578 0.4432	0.3854	0.4067	0.4462	0.4352	Ave		0.4124				8.6		15.0			
2-Chloroethyl vinyl ether	0.2057 0.1989	0.2155	0.2193	0.2344	0.2112	Ave		0.2142				5.7		15.0			
cis-1,3-Dichloropropene	0.4383 0.5300	0.4733	0.4987	0.5423	0.5227	Ave		0.5009				7.8		15.0			
4-Methyl-2-pentanone (MIBK)	0.8253 0.6714	0.8291	0.8420	0.8775	0.7451	Ave		0.7984				9.5		15.0			
Toluene	1.9559 1.8141	1.8245	1.8368	1.8492	1.7635	Ave		1.8407				3.5		30.0			
trans-1,3-Dichloropropene	0.8222 1.1013	0.9205	0.9859	1.0933	1.0710	Ave		0.9990				11.0		15.0			
Ethyl methacrylate	0.7539 0.9614	0.8334	0.8730	0.9865	0.9276	Ave		0.8893				9.8		15.0			
1,1,2-Trichloroethane	0.5277 0.5813	0.5534	0.5707	0.5931	0.5602	Ave		0.5644				4.1		15.0			
Tetrachloroethene	1.0016 0.9568	0.9330	0.9152	0.9093	0.8790	Ave		0.9325				4.6		15.0			
1,3-Dichloropropane	1.0483 1.0961	1.0922	1.1092	1.1497	1.0728	Ave		1.0947				3.1		15.0			
2-Hexanone	0.5773 0.5010	0.5835	0.5999	0.6339	0.5400	Ave		0.5726				8.1		15.0			
Dibromochloromethane	0.5177 0.8362	0.5767	0.6402	0.7474	0.7644	Lin1F		0.7850							0.9910		0.9900
1,2-Dibromoethane	0.6625 0.7585	0.6945	0.7102	0.7590	0.7184	Ave		0.7172				5.2		15.0			
Chlorobenzene	1.9987 2.0972	2.0329	2.1174	2.1594	2.0607	Ave		2.0777			0.3000	2.8		15.0			
Ethylbenzene	3.2655 3.0545	3.2582	3.3917	3.4232	3.2122	Ave		3.2675				4.1		30.0			
1,1,1,2-Tetrachloroethane	0.5757 0.8379	0.6257	0.6821	0.7615	0.7791	Ave		0.7103				14.0		15.0			
m,p-Xylene	1.3018 1.3491	1.3181	1.3815	1.4211	1.3750	Ave		1.3578				3.2		15.0			
o-Xylene	1.2320 1.4430	1.2962	1.3574	1.4086	1.3829	Ave		1.3533				5.7		15.0			
Styrene	2.0545 2.3291	2.1847	2.2767	2.3950	2.3462	Ave		2.2644				5.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 27944

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2011 15:26 Calibration End Date: 08/18/2011 17:33 Calibration ID: 3702

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Bromoform	0.3167 0.6720	0.3632	0.4143	0.5366	0.5704	QuaF		0.4663	0.0010		0.1000				1.0000		0.9900
Isopropylbenzene	3.0063 2.6788	2.9986	3.1683	3.0987	2.8428	Ave		2.9656				6.0		15.0			
1,1,2,2-Tetrachloroethane	0.8171 0.7979	0.8311	0.8505	0.8765	0.7840	Ave		0.8262			0.3000	4.1		15.0			
Bromobenzene	0.8772 0.9287	0.8949	0.9160	0.9407	0.8900	Ave		0.9079				2.7		15.0			
trans-1,4-Dichloro-2-butene	0.2110 0.1745	0.2161	0.2271	0.2347	0.2015	Ave		0.2108				10.0		15.0			
1,2,3-Trichloropropane	0.2302 0.2283	0.2246	0.2387	0.2506	0.2299	Ave		0.2337				4.1		15.0			
N-Propylbenzene	3.7962 2.9444	3.7938	3.9737	3.8760	3.4785	Ave		3.6437				10.0		15.0			
2-Chlorotoluene	0.7466 0.7792	0.7651	0.7883	0.7851	0.7415	Ave		0.7676				2.6		15.0			
1,3,5-Trimethylbenzene	2.4844 2.3077	2.5593	2.6656	2.6088	2.4212	Ave		2.5078				5.2		15.0			
4-Chlorotoluene	0.7815 0.8001	0.7940	0.8168	0.8115	0.7724	Ave		0.7961				2.1		15.0			
tert-Butylbenzene	0.5187 0.5812	0.5183	0.5524	0.5618	0.5436	Ave		0.5460				4.5		15.0			
1,2,4-Trimethylbenzene	2.6286 2.3191	2.5849	2.7044	2.6460	2.4643	Ave		2.5579				5.5		15.0			
sec-Butylbenzene	3.3250 2.9359	3.3612	3.5330	3.4688	3.1804	Ave		3.3007				6.6		15.0			
4-Isopropyltoluene	2.6112 2.4835	2.6276	2.7795	2.7688	2.5920	Ave		2.6438				4.3		15.0			
1,3-Dichlorobenzene	1.6236 1.6189	1.6331	1.6714	1.6786	1.5899	Ave		1.6359				2.1		15.0			
1,4-Dichlorobenzene	1.6818 1.6377	1.6650	1.7117	1.7200	1.6184	Ave		1.6724				2.4		15.0			
n-Butylbenzene	2.7166 2.2856	2.6594	2.7957	2.7103	2.4614	Ave		2.6048				7.4		15.0			
1,2-Dichlorobenzene	1.5611 1.5542	1.5927	1.6071	1.6269	1.5273	Ave		1.5782				2.4		15.0			
1,2-Dibromo-3-Chloropropane	0.1100 0.1490	0.1101	0.1345	0.1503	0.1395	Ave		0.1322				14.0		15.0			
1,2,4-Trichlorobenzene	1.1382 1.2442	1.1690	1.2208	1.2596	1.1906	Ave		1.2037				3.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 27944

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2011 15:26 Calibration End Date: 08/18/2011 17:33 Calibration ID: 3702

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.3046 0.4205	0.3145	0.3484	0.3714	0.3645	Ave		0.3540				12.0		15.0			
Naphthalene	1.2551 1.1923	1.2251	1.2536	1.3502	1.2229	Ave		1.2499				4.3		15.0			
1,2,3-Trichlorobenzene	0.4966 0.6025	0.5131	0.5404	0.5899	0.5613	Ave		0.5506				7.6		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2480 0.2200	0.2472	0.2424	0.2150	0.2157	Ave		0.2314				6.9		15.0			
Toluene-d8 (Surr)	2.9208 2.7692	2.8629	2.8905	2.8600	2.8084	Ave		2.8520				1.9		15.0			
4-Bromofluorobenzene (Surr)	1.1585 1.2359	1.1164	1.1204	1.0771	1.1304	Ave		1.1398				4.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 27944

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2011 15:26 Calibration End Date: 08/18/2011 17:33 Calibration ID: 3702

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-27944/4	P4551.D
Level 2	STD2 480-27944/5	P4552.D
Level 3	STD3 480-27944/6	P4553.D
Level 4	STD4 480-27944/7	P4554.D
Level 5	STD5 480-27944/8	P4555.D
Level 6	STD6 480-27944/9	P4556.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	DFB	Ave	23152 1077514	45313	100595	261531	520014	5.00 200	10.0	20.0	50.0	100
Chloromethane	DFB	Ave	24772 970575	48241	100018	255049	495194	5.00 200	10.0	20.0	50.0	100
Vinyl chloride	DFB	Ave	22379 938787	42994	93208	239058	474104	5.00 200	10.0	20.0	50.0	100
Bromomethane	DFB	Ave	3749 206759	8071	16596	40600	88408	5.00 200	10.0	20.0	50.0	100
Chloroethane	DFB	Ave	2942 199416	7101	13865	36336	85122	5.00 200	10.0	20.0	50.0	100
Trichlorofluoromethane	DFB	Ave	38923 1736110	73688	166027	418025	813651	5.00 200	10.0	20.0	50.0	100
Acrolein	DFB	Ave	19492 999019	39043	84272	240447	454038	100 4000	200	400	1000	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	DFB	Ave	20231 1012375	39717	87089	237682	468168	5.00 200	10.0	20.0	50.0	100
1,1-Dichloroethene	DFB	Ave	19377 975343	38839	86172	228337	447970	5.00 200	10.0	20.0	50.0	100
Acetone	DFB	Ave	40656 1625870	78084	155767	419866	757165	25.0 1000	50.0	100	250	500
Iodomethane	DFB	Ave	25874 1360582	52598	112464	311269	626139	5.00 200	10.0	20.0	50.0	100
Carbon disulfide	DFB	Ave	47833 2810991	98858	224524	651427	1313001	5.00 200	10.0	20.0	50.0	100
Methyl acetate	DFB	Ave	32596 1445185	63461	134120	367578	679245	5.00 200	10.0	20.0	50.0	100
Acetonitrile	DFB	Ave	78645 3113033	150519	309251	830633	1500511	200 8000	400	800	2000	4000
Methylene Chloride	DFB	LinF	37036 1111554	57659	112177	273143	529596	5.00 200	10.0	20.0	50.0	100
Methyl tert-butyl ether	DFB	Ave	58042 2895782	117351	246217	695268	1362572	5.00 200	10.0	20.0	50.0	100

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 27944

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2011 15:26 Calibration End Date: 08/18/2011 17:33 Calibration ID: 3702

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
trans-1,2-Dichloroethene	DFB	Ave	21436 1072052	42061	92249	247267	494734	5.00 200	10.0	20.0	50.0	100
Acrylonitrile	DFB	Ave	44945 2064521	89866	188189	525649	979054	25.0 1000	50.0	100	250	500
Vinyl acetate	DFB	Ave	173879 6495630	362037	764307	2054528	3727239	25.0 1000	50.0	100	250	500
1,1-Dichloroethane	DFB	Ave	41345 1879884	82426	175390	461161	910702	5.00 200	10.0	20.0	50.0	100
2-Butanone (MEK)	DFB	Ave	63825 2500615	119818	248644	683355	1247137	25.0 1000	50.0	100	250	500
2,2-Dichloropropane	DFB	Ave	25719 1415387	53516	118446	322873	657688	5.00 200	10.0	20.0	50.0	100
cis-1,2-Dichloroethene	DFB	Ave	23114 1163430	46674	101472	271649	543289	5.00 200	10.0	20.0	50.0	100
Bromochloromethane	DFB	Ave	11317 596665	22871	48975	133997	271618	5.00 200	10.0	20.0	50.0	100
Tetrahydrofuran	DFB	Ave	37220 1640414	74770	156724	434878	787364	25.0 1000	50.0	100	250	500
Chloroform	DFB	Ave	40932 1802278	78800	165416	432464	854043	5.00 200	10.0	20.0	50.0	100
1,1,1-Trichloroethane	DFB	Ave	28255 1516920	57047	125065	342120	696238	5.00 200	10.0	20.0	50.0	100
Cyclohexane	DFB	Ave	35689 1653299	67449	147204	397519	777018	5.00 200	10.0	20.0	50.0	100
1,1-Dichloropropene	DFB	Ave	29109 1377552	56776	122666	319768	639098	5.00 200	10.0	20.0	50.0	100
Carbon tetrachloride	DFB	Ave	22710 1437484	46479	103060	298655	629999	5.00 200	10.0	20.0	50.0	100
Benzene	DFB	Ave	83635 3723954	164862	354132	919777	1819290	5.00 200	10.0	20.0	50.0	100
1,2-Dichloroethane	DFB	Ave	30017 1330632	59955	124665	325926	640442	5.00 200	10.0	20.0	50.0	100
Trichloroethene	DFB	Ave	21166 1064506	41873	90978	240951	488447	5.00 200	10.0	20.0	50.0	100
Methylcyclohexane	DFB	Ave	32210 1674181	63426	137348	380649	762268	5.00 200	10.0	20.0	50.0	100
1,2-Dichloropropane	DFB	Ave	21996 1075704	44573	94578	252486	502945	5.00 200	10.0	20.0	50.0	100
Dibromomethane	DFB	Ave	12831 684103	26805	56971	155347	315991	5.00 200	10.0	20.0	50.0	100
Bromodichloromethane	DFB	Ave	22270 1347294	47669	104915	298526	625219	5.00 200	10.0	20.0	50.0	100

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 27944

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2011 15:26 Calibration End Date: 08/18/2011 17:33 Calibration ID: 3702

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
2-Chloroethyl vinyl ether	DFB	Ave	64017 3023321	133260	282805	784077	1517314	25.0 1000	50.0	100	250	500
cis-1,3-Dichloropropene	DFB	Ave	27276 1610976	58532	128634	362820	750929	5.00 200	10.0	20.0	50.0	100
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	116843 4560262	232500	489933	1338920	2425347	25.0 1000	50.0	100	250	500
Toluene	CBZ	Ave	55385 2464275	102324	213755	564305	1148073	5.00 200	10.0	20.0	50.0	100
trans-1,3-Dichloropropene	CBZ	Ave	23282 1496011	51626	114734	333634	697209	5.00 200	10.0	20.0	50.0	100
Ethyl methacrylate	CBZ	Ave	21349 1305969	46738	101590	301039	603887	5.00 200	10.0	20.0	50.0	100
1,1,2-Trichloroethane	CBZ	Ave	14942 789701	31038	66417	180985	364698	5.00 200	10.0	20.0	50.0	100
Tetrachloroethene	CBZ	Ave	28363 1299736	52325	106499	277479	572221	5.00 200	10.0	20.0	50.0	100
1,3-Dichloropropane	CBZ	Ave	29683 1488891	61256	129076	350847	698389	5.00 200	10.0	20.0	50.0	100
2-Hexanone	CBZ	Ave	81743 3402651	163625	349076	967172	1757711	25.0 1000	50.0	100	250	500
Dibromochloromethane	CBZ	Lin1F	14660 1135902	32341	74503	228087	497599	5.00 200	10.0	20.0	50.0	100
1,2-Dibromoethane	CBZ	Ave	18761 1030332	38949	82644	231609	467662	5.00 200	10.0	20.0	50.0	100
Chlorobenzene	CBZ	Ave	56596 2848918	114013	246402	658972	1341536	5.00 200	10.0	20.0	50.0	100
Ethylbenzene	CBZ	Ave	92467 4149218	182734	394699	1044643	2091139	5.00 200	10.0	20.0	50.0	100
1,1,1,2-Tetrachloroethane	CBZ	Ave	16302 1138144	35093	79377	232379	507207	5.00 200	10.0	20.0	50.0	100
m,p-Xylene	CBZ	Ave	73727 3665391	147845	321526	867324	1790250	10.0 400	20.0	40.0	100	200
o-Xylene	CBZ	Ave	34885 1960142	72694	157961	429856	900254	5.00 200	10.0	20.0	50.0	100
Styrene	CBZ	Ave	58177 3163930	122528	264939	730868	1527366	5.00 200	10.0	20.0	50.0	100
Bromoform	CBZ	QuaF	8968 912783	20369	48212	163742	371350	5.00 200	10.0	20.0	50.0	100
Isopropylbenzene	DCB	Ave	89751 4318238	179597	395829	1054039	2136110	5.00 200	10.0	20.0	50.0	100
1,1,2,2-Tetrachloroethane	DCB	Ave	24393 1286210	49778	106251	298134	589129	5.00 200	10.0	20.0	50.0	100

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 27944

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2011 15:26 Calibration End Date: 08/18/2011 17:33 Calibration ID: 3702

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Bromobenzene	DCB	Ave	26189 1497039	53600	114444	319978	668735	5.00 200	10.0	20.0	50.0	100
trans-1,4-Dichloro-2-butene	DCB	Ave	31497 1406649	64730	141857	399099	757140	25.0 1000	50.0	100	250	500
1,2,3-Trichloropropane	DCB	Ave	6874 368036	13450	29826	85255	172764	5.00 200	10.0	20.0	50.0	100
N-Propylbenzene	DCB	Ave	113334 4746411	227222	496443	1318444	2613791	5.00 200	10.0	20.0	50.0	100
2-Chlorotoluene	DCB	Ave	22289 1256006	45826	98480	267062	557145	5.00 200	10.0	20.0	50.0	100
1,3,5-Trimethylbenzene	DCB	Ave	74172 3719969	153288	333021	887417	1819315	5.00 200	10.0	20.0	50.0	100
4-Chlorotoluene	DCB	Ave	23333 1289702	47558	102040	276051	580430	5.00 200	10.0	20.0	50.0	100
tert-Butylbenzene	DCB	Ave	15486 936886	31040	69011	191110	408463	5.00 200	10.0	20.0	50.0	100
1,2,4-Trimethylbenzene	DCB	Ave	78477 3738491	154817	337873	900056	1851751	5.00 200	10.0	20.0	50.0	100
sec-Butylbenzene	DCB	Ave	99268 4732663	201313	441394	1179939	2389815	5.00 200	10.0	20.0	50.0	100
4-Isopropyltoluene	DCB	Ave	77958 4003386	157377	347255	941837	1947693	5.00 200	10.0	20.0	50.0	100
1,3-Dichlorobenzene	DCB	Ave	48473 2609642	97813	208815	570982	1194677	5.00 200	10.0	20.0	50.0	100
1,4-Dichlorobenzene	DCB	Ave	50210 2639952	99722	213843	585061	1216079	5.00 200	10.0	20.0	50.0	100
n-Butylbenzene	DCB	Ave	81103 3684425	159284	349271	921931	1849548	5.00 200	10.0	20.0	50.0	100
1,2-Dichlorobenzene	DCB	Ave	46607 2505368	95392	200780	553420	1147648	5.00 200	10.0	20.0	50.0	100
1,2-Dibromo-3-Chloropropane	DCB	Ave	3285 240174	6592	16798	51121	104830	5.00 200	10.0	20.0	50.0	100
1,2,4-Trichlorobenzene	DCB	Ave	33980 2005674	70016	152520	428480	894654	5.00 200	10.0	20.0	50.0	100
Hexachlorobutadiene	DFB	Ave	18957 1278304	38893	89867	248469	523674	5.00 200	10.0	20.0	50.0	100
Naphthalene	DFB	Ave	78113 3624337	151510	323380	903340	1756899	5.00 200	10.0	20.0	50.0	100
1,2,3-Trichlorobenzene	DFB	Ave	30907 1831317	63463	139412	394673	806396	5.00 200	10.0	20.0	50.0	100
1,2-Dichloroethane-d4 (Surr)	DFB	Ave	15435 668693	30569	62519	143870	309892	5.00 200	10.0	20.0	50.0	100

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 27944

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2011 15:26 Calibration End Date: 08/18/2011 17:33 Calibration ID: 3702

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toluene-d8 (Surr)	CBZ	Ave	82708 3761648	160563	336373	872784	1828257	5.00 200	10.0	20.0	50.0	100
4-Bromofluorobenzene (Surr)	CBZ	Ave	32806 1678832	62614	130383	328688	735886	5.00 200	10.0	20.0	50.0	100

Curve Type Legend:

Ave = Average ISTD
Lin1F = Linear 1/conc ISTD forced zero
LinF = Linear ISTD forced zero
QuaF = Quadratic ISTD forced zero

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4551.D
 Lims ID: STD1 Client ID:
 Inject. Date: 18-Aug-2011 15:26:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: STD1
 Misc. Info.: 480-0005370-004 =480-0005370-004
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 27944 Lims Sample ID: 4
 Sublist: chrom-P-8260 Soil*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P-8260 Soil.m
 Last Update: 19-Aug-2011 07:24:29 Calib Date: 18-Aug-2011 21:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4565.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 19-Aug-2011 07:24:29

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.066	8.066	0.0	94	622381	50.0	
* 2 Chlorobenzene-d5	82	11.838	11.838	0.0	84	283167	50.0	
* 3 1,4-Dichlorobenzene-d4	152	14.983	14.983	0.0	94	298548	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.628	7.628	0.0	92	15435	5.36	
\$ 5 Toluene-d8 (Surr)	98	9.885	9.891	-0.006	86	82708	5.12	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.450	13.450	0.0	90	32806	5.08	
10 Dichlorodifluoromethane	85	2.798	2.804	-0.006	67	23152	4.99	
11 Chloromethane	50	3.005	3.017	-0.012	89	24772	5.38	
17 Vinyl chloride	62	3.187	3.193	-0.006	65	22379	5.22	
12 Bromomethane	94	3.613	3.619	-0.006	54	3749	4.75	
13 Chloroethane	64	3.741	3.735	0.006	46	2942	4.20	
14 Trichlorofluoromethane	101	4.039	4.076	-0.037	59	38923	5.24	
22 Acrolein	56	4.587	4.593	-0.006	76	19492	95.9	
16 1,1,2-Trichloro-1,2,2-trifluoroethane	101	4.647	4.647	0.0	54	20231	4.88	
25 1,1-Dichloroethene	96	4.678	4.678	0.0	80	19377	4.83	
24 Acetone	43	4.769	4.763	0.006	91	40656	27.4	
18 Iodomethane	142	4.903	4.903	0.0	93	25874	4.75	
27 Carbon disulfide	76	4.988	4.988	0.0	95	47833	4.39	
30 Methyl acetate	43	5.092	5.092	0.0	94	32596	5.14	
29 Acetonitrile	40	5.128	5.128	0.0	98	78645	216.9	
31 Methylene Chloride	84	5.256	5.256	0.0	88	37036	8.06	
32 Methyl tert-butyl ether	73	5.499	5.493	0.006	85	58042	4.84	
35 trans-1,2-Dichloroethene	96	5.536	5.536	0.0	90	21436	4.90	
34 Acrylonitrile	53	5.554	5.548	0.006	97	44945	25.0	
38 Vinyl acetate	43	6.004	6.004	0.0	96	173879	25.4	
40 1,1-Dichloroethane	63	6.022	6.022	0.0	20	41345	5.04	
45 2,2-Dichloropropane	77	6.667	6.667	0.0	50	25719	4.57	
44 2-Butanone (MEK)	43	6.673	6.667	0.006	96	63825	27.1	
43 cis-1,2-Dichloroethene	96	6.679	6.679	0.0	58	23114	4.83	
50 Chlorobromomethane	128	6.977	6.977	0.0	80	11317	4.78	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
51 Tetrahydrofuran	42	7.014	7.002	0.012	86	37220	25.3	
49 Chloroform	83	7.026	7.032	-0.006	61	40932	5.23	
52 1,1,1-Trichloroethane	97	7.239	7.239	0.0	81	28255	4.70	
54 Cyclohexane	56	7.282	7.288	-0.006	86	35689	5.11	
56 1,1-Dichloropropene	75	7.403	7.409	-0.006	74	29109	5.05	
55 Carbon tetrachloride	117	7.428	7.422	0.006	70	22710	4.38	
57 Benzene	78	7.671	7.671	0.0	93	83635	5.09	
60 1,2-Dichloroethane	62	7.714	7.720	-0.006	70	30017	5.13	
62 Trichloroethene	95	8.413	8.407	0.006	81	21166	4.90	
64 Methylcyclohexane	83	8.602	8.608	-0.006	85	32210	4.83	
63 1,2-Dichloropropane	63	8.711	8.711	0.0	77	21996	4.90	
69 Dibromomethane	93	8.888	8.888	0.0	80	12831	4.68	
70 Dichlorobromomethane	83	9.046	9.046	0.0	76	22270	4.34	
71 2-Chloroethyl vinyl ether	63	9.338	9.332	0.006	89	64017	24.0	
73 cis-1,3-Dichloropropene	75	9.569	9.569	0.0	64	27276	4.38	
75 4-Methyl-2-pentanone (MIBK)	43	9.709	9.709	0.0	95	116843	25.8	
76 Toluene	92	9.977	9.977	0.0	96	55385	5.31	
77 Ethyl methacrylate	69	10.281	10.275	0.006	73	21349	4.24	
78 trans-1,3-Dichloropropene	75	10.275	10.275	0.0	83	23282	4.11	
79 1,1,2-Trichloroethane	83	10.536	10.536	0.0	75	14942	4.67	
80 Tetrachloroethene	166	10.688	10.688	0.0	90	28363	5.37	
82 1,3-Dichloropropane	76	10.761	10.761	0.0	83	29683	4.79	
83 2-Hexanone	43	10.786	10.786	0.0	95	81743	25.2	
81 Chlorodibromomethane	129	11.090	11.090	0.0	68	14660	3.30	
85 Ethylene Dibromide	107	11.266	11.266	0.0	79	18761	4.62	
87 Chlorobenzene	112	11.881	11.881	0.0	69	56596	4.81	
89 Ethylbenzene	91	11.966	11.966	0.0	96	92467	5.00	
88 1,1,1,2-Tetrachloroethane	131	11.978	11.984	-0.006	31	16302	4.05	
90 m-Xylene & p-Xylene	106	12.118	12.118	0.0	98	73727	9.59	
93 o-Xylene	106	12.690	12.696	-0.006	92	34885	4.55	
94 Styrene	104	12.720	12.720	0.0	93	58177	4.54	
92 Bromoform	173	13.073	13.073	0.0	83	8968	3.37	
95 Isopropylbenzene	105	13.177	13.177	0.0	93	89751	5.07	
97 1,1,2,2-Tetrachloroethane	83	13.657	13.657	0.0	75	24393	4.94	
100 Bromobenzene	156	13.682	13.682	0.0	89	26189	4.83	
98 trans-1,4-Dichloro-2-butene	53	13.718	13.718	0.0	56	31497	25.0	
101 1,2,3-Trichloropropane	110	13.730	13.730	0.0	34	6874	4.89	
99 N-Propylbenzene	91	13.730	13.736	-0.006	84	113334	5.21	
103 2-Chlorotoluene	126	13.907	13.907	0.0	93	22289	4.86	
102 1,3,5-Trimethylbenzene	105	13.955	13.955	0.0	61	74172	4.95	
105 4-Chlorotoluene	126	14.047	14.047	0.0	94	23333	4.91	
106 tert-Butylbenzene	134	14.393	14.399	-0.006	84	15486	4.75	
107 1,2,4-Trimethylbenzene	105	14.466	14.466	0.0	65	78477	5.14	
109 sec-Butylbenzene	105	14.679	14.679	0.0	85	99268	5.04	
112 4-Isopropyltoluene	119	14.856	14.850	0.006	90	77958	4.94	
110 1,3-Dichlorobenzene	146	14.898	14.898	0.0	88	48473	4.96	
111 1,4-Dichlorobenzene	146	15.014	15.014	0.0	51	50210	5.03	
115 n-Butylbenzene	91	15.379	15.379	0.0	93	81103	5.21	
116 1,2-Dichlorobenzene	146	15.507	15.507	0.0	91	46607	4.95	
117 1,2-Dibromo-3-Chloropropane	75	16.492	16.492	0.0	16	3285	4.16	
119 1,2,4-Trichlorobenzene	180	17.435	17.435	0.0	83	33980	4.73	
120 Hexachlorobutadiene	225	17.569	17.569	0.0	78	18957	4.30	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	17.752	17.751	0.001	90	78113	5.02	
122 1,2,3-Trichlorobenzene	180	18.037	18.037	0.0	81	30907	4.51	
S 125 Total BTEX	1				0		29.5	
S 126 Xylenes, Total	1				0		14.1	
S 123 1,2-Dichloroethene, Total	1				0		9.72	
S 124 1,3-Dichloropropene, Total	1				0		8.49	

Report Date: 19-Aug-2011 07:24:29

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4551.D

Injection Date: 18-Aug-2011 15:26:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 27944

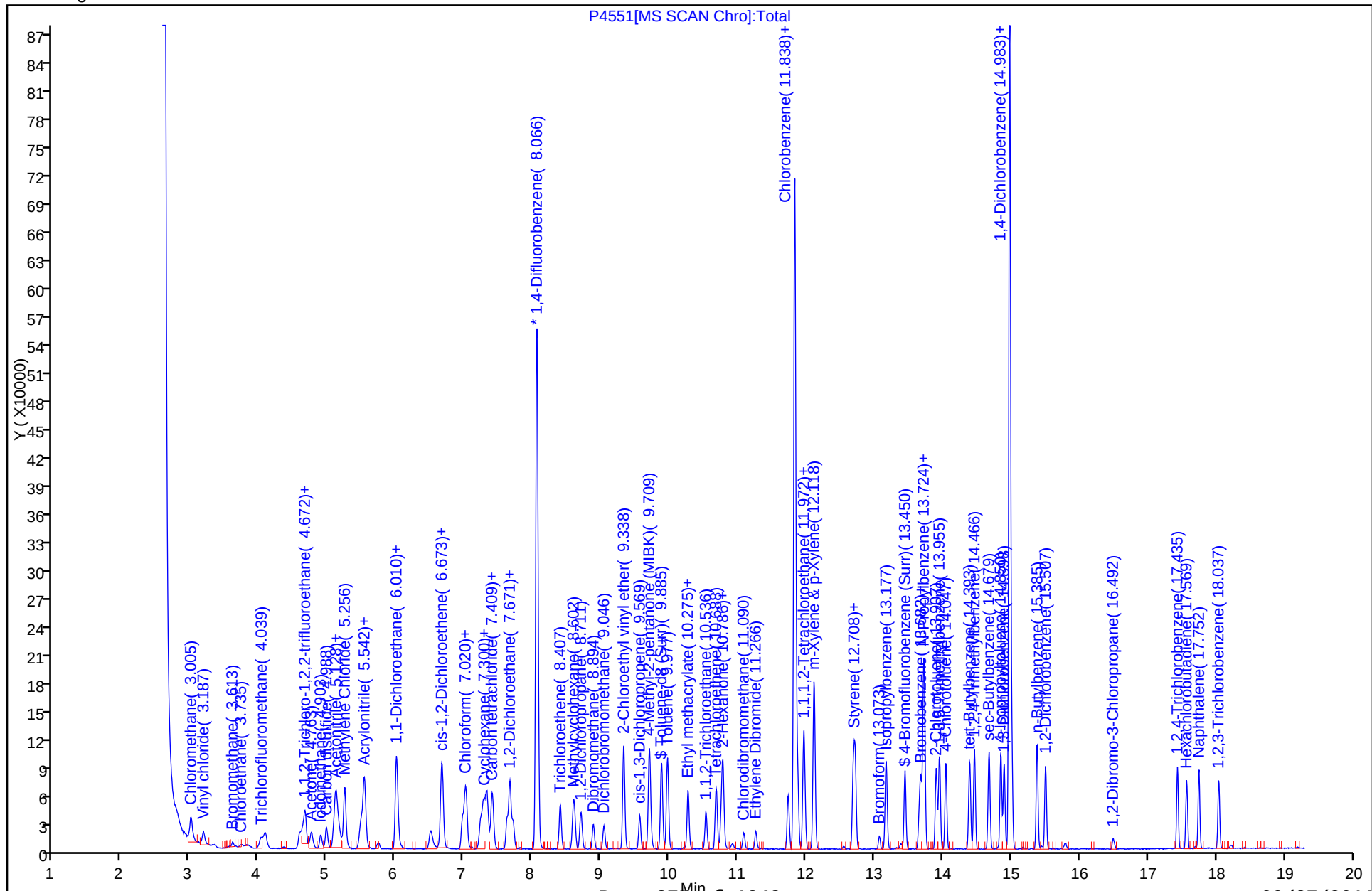
Lims Sample ID: 4

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4552.D
 Lims ID: STD2 Client ID:
 Inject. Date: 18-Aug-2011 15:51:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: STD2
 Misc. Info.: 480-0005370-005 =480-0005370-005
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 27944 Lims Sample ID: 5
 Sublist: chrom-P-8260 Soil*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P-8260 Soil.m
 Last Update: 19-Aug-2011 07:26:26 Calib Date: 18-Aug-2011 21:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4565.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 19-Aug-2011 07:26:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.066	8.066	0.0	94	618382	50.0	
* 2 Chlorobenzene-d5	82	11.838	11.838	0.0	84	280421	50.0	
* 3 1,4-Dichlorobenzene-d4	152	14.983	14.983	0.0	94	299468	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.628	7.628	0.0	98	30569	10.7	
\$ 5 Toluene-d8 (Surr)	98	9.892	9.891	0.001	91	160563	10.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.450	13.450	0.0	91	62614	9.80	
10 Dichlorodifluoromethane	85	2.804	2.804	0.0	78	45313	9.83	
11 Chloromethane	50	3.011	3.017	-0.006	89	48241	10.5	
17 Vinyl chloride	62	3.194	3.193	0.001	68	42994	10.1	
12 Bromomethane	94	3.619	3.619	0.0	68	8071	10.3	
13 Chloroethane	64	3.741	3.735	0.006	57	7101	10.2	
14 Trichlorofluoromethane	101	4.033	4.076	-0.043	76	73688	9.99	
22 Acrolein	56	4.593	4.593	0.0	83	39043	193.3	
16 1,1,2-Trichloro-1,2,2-trifluoroethane	101	4.641	4.647	-0.006	73	39717	9.64	
25 1,1-Dichloroethene	96	4.678	4.678	0.0	80	38839	9.75	
24 Acetone	43	4.763	4.763	0.0	95	78084	52.9	
18 Iodomethane	142	4.903	4.903	0.0	96	52598	9.72	
27 Carbon disulfide	76	4.988	4.988	0.0	98	98858	9.13	
30 Methyl acetate	43	5.098	5.092	0.006	94	63461	10.1	
29 Acetonitrile	40	5.134	5.128	0.006	99	150519	417.9	
31 Methylene Chloride	84	5.256	5.256	0.0	89	57659	12.6	
32 Methyl tert-butyl ether	73	5.499	5.493	0.006	91	117351	9.86	
35 trans-1,2-Dichloroethene	96	5.542	5.536	0.006	90	42061	9.68	
34 Acrylonitrile	53	5.554	5.548	0.006	96	89866	50.4	
38 Vinyl acetate	43	6.010	6.004	0.006	97	362037	53.3	
40 1,1-Dichloroethane	63	6.028	6.022	0.006	43	82426	10.1	
45 2,2-Dichloropropane	77	6.667	6.667	0.0	54	53516	9.58	
44 2-Butanone (MEK)	43	6.667	6.667	0.0	98	119818	51.3	
43 cis-1,2-Dichloroethene	96	6.679	6.679	0.0	65	46674	9.81	
50 Chlorobromomethane	128	6.977	6.977	0.0	85	22871	9.71	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
51 Tetrahydrofuran	42	7.008	7.002	0.006	91	74770	51.1	
49 Chloroform	83	7.032	7.032	0.0	69	78800	10.1	
52 1,1,1-Trichloroethane	97	7.233	7.239	-0.006	87	57047	9.56	
54 Cyclohexane	56	7.282	7.288	-0.006	92	67449	9.71	
56 1,1-Dichloropropene	75	7.409	7.409	0.0	88	56776	9.91	
55 Carbon tetrachloride	117	7.422	7.422	0.0	72	46479	9.03	
57 Benzene	78	7.671	7.671	0.0	95	164862	10.1	
60 1,2-Dichloroethane	62	7.714	7.720	-0.006	72	59955	10.3	
62 Trichloroethene	95	8.407	8.407	0.0	88	41873	9.76	
64 Methylcyclohexane	83	8.608	8.608	0.0	89	63426	9.58	
63 1,2-Dichloropropane	63	8.705	8.711	-0.006	90	44573	10.0	
69 Dibromomethane	93	8.894	8.888	0.006	84	26805	9.84	
70 Dichlorobromomethane	83	9.046	9.046	0.0	87	47669	9.35	
71 2-Chloroethyl vinyl ether	63	9.338	9.332	0.006	91	133260	50.3	
73 cis-1,3-Dichloropropene	75	9.569	9.569	0.0	78	58532	9.45	
75 4-Methyl-2-pentanone (MIBK)	43	9.709	9.709	0.0	97	232500	51.9	
76 Toluene	92	9.977	9.977	0.0	97	102324	9.91	
77 Ethyl methacrylate	69	10.281	10.275	0.006	80	46738	9.37	
78 trans-1,3-Dichloropropene	75	10.275	10.275	0.0	89	51626	9.21	
79 1,1,2-Trichloroethane	83	10.536	10.536	0.0	84	31038	9.81	
80 Tetrachloroethene	166	10.688	10.688	0.0	90	52325	10.0	
82 1,3-Dichloropropane	76	10.761	10.761	0.0	90	61256	9.98	
83 2-Hexanone	43	10.786	10.786	0.0	98	163625	51.0	
81 Chlorodibromomethane	129	11.096	11.090	0.006	94	32341	7.35	
85 Ethylene Dibromide	107	11.266	11.266	0.0	87	38949	9.68	
87 Chlorobenzene	112	11.881	11.881	0.0	71	114013	9.78	
89 Ethylbenzene	91	11.966	11.966	0.0	97	182734	9.97	
88 1,1,1,2-Tetrachloroethane	131	11.984	11.984	0.0	46	35093	8.81	
90 m-Xylene & p-Xylene	106	12.118	12.118	0.0	98	147845	19.4	
93 o-Xylene	106	12.696	12.696	0.0	95	72694	9.58	
94 Styrene	104	12.720	12.720	0.0	95	122528	9.65	
92 Bromoform	173	13.079	13.073	0.006	89	20369	7.66	
95 Isopropylbenzene	105	13.177	13.177	0.0	94	179597	10.1	
97 1,1,2,2-Tetrachloroethane	83	13.657	13.657	0.0	83	49778	10.1	
100 Bromobenzene	156	13.682	13.682	0.0	91	53600	9.86	
98 trans-1,4-Dichloro-2-butene	53	13.718	13.718	0.0	71	64730	51.3	
99 N-Propylbenzene	91	13.736	13.736	0.0	86	227222	10.4	
101 1,2,3-Trichloropropane	110	13.736	13.736	0.0	22	13450	9.61	
103 2-Chlorotoluene	126	13.907	13.907	0.0	95	45826	9.97	
102 1,3,5-Trimethylbenzene	105	13.955	13.955	0.0	64	153288	10.2	
105 4-Chlorotoluene	126	14.047	14.047	0.0	98	47558	9.97	
106 tert-Butylbenzene	134	14.399	14.399	0.0	90	31040	9.49	
107 1,2,4-Trimethylbenzene	105	14.466	14.466	0.0	65	154817	10.1	
109 sec-Butylbenzene	105	14.679	14.679	0.0	92	201313	10.2	
112 4-Isopropyltoluene	119	14.850	14.850	0.0	94	157377	9.94	
110 1,3-Dichlorobenzene	146	14.898	14.898	0.0	90	97813	9.98	
111 1,4-Dichlorobenzene	146	15.014	15.014	0.0	75	99722	9.96	
115 n-Butylbenzene	91	15.385	15.379	0.006	94	159284	10.2	
116 1,2-Dichlorobenzene	146	15.507	15.507	0.0	95	95392	10.1	
117 1,2-Dibromo-3-Chloropropane	75	16.492	16.492	0.0	49	6592	8.32	
119 1,2,4-Trichlorobenzene	180	17.435	17.435	0.0	91	70016	9.71	
120 Hexachlorobutadiene	225	17.569	17.569	0.0	89	38893	8.88	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	17.752	17.751	0.001	95	151510	9.80	
122 1,2,3-Trichlorobenzene	180	18.037	18.037	0.0	91	63463	9.32	
S 125 Total BTEX	1				0		59.0	
S 126 Xylenes, Total	1				0		29.0	
S 123 1,2-Dichloroethene, Total	1				0		19.5	
S 124 1,3-Dichloropropene, Total	1				0		18.7	

Report Date: 19-Aug-2011 07:26:26

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4552.D

Injection Date: 18-Aug-2011 15:51:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 27944

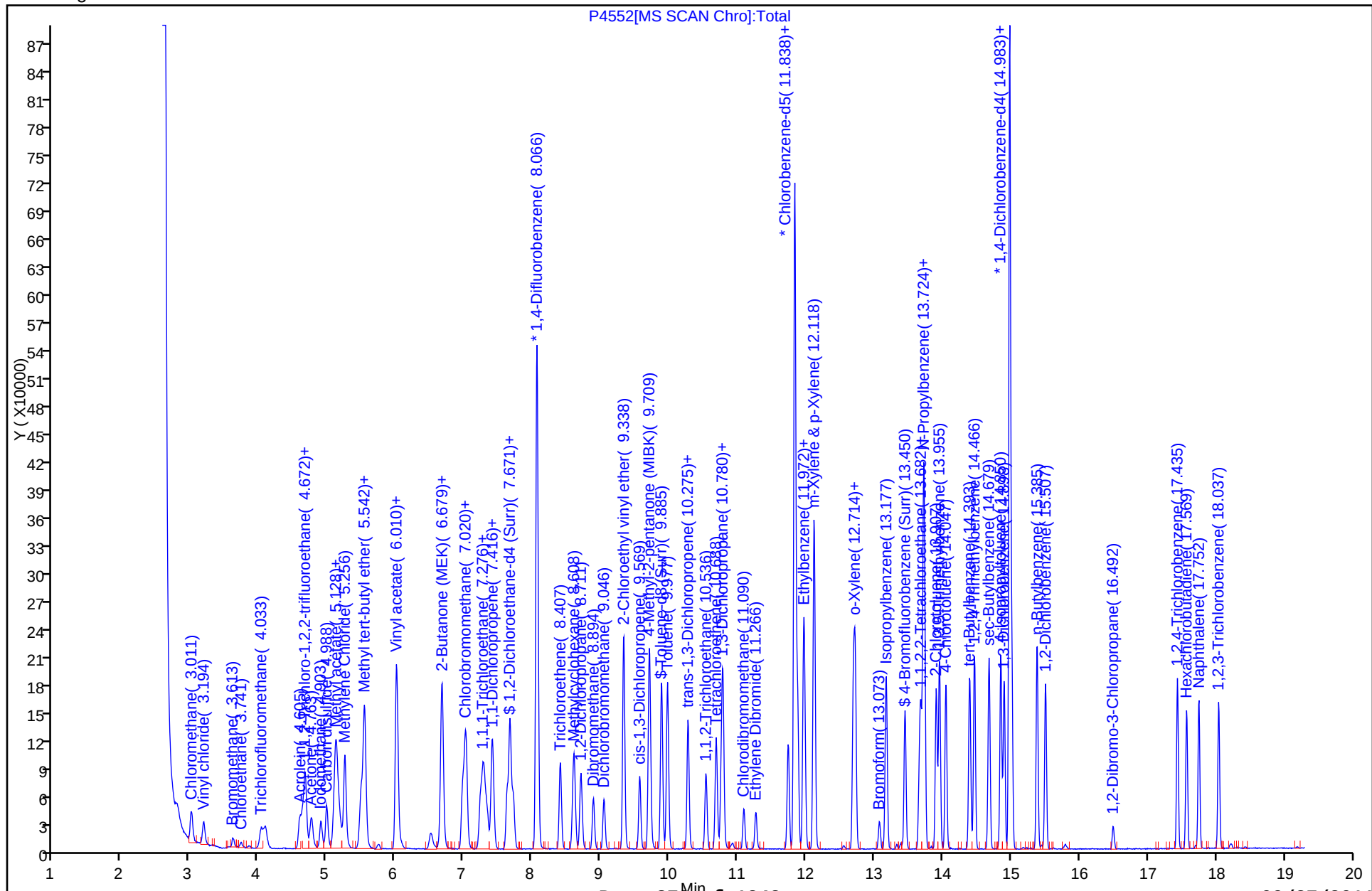
Lims Sample ID: 5

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4553.D
 Lims ID: STD3 Client ID:
 Inject. Date: 18-Aug-2011 16:16:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: STD3
 Misc. Info.: 480-0005370-006 =480-0005370-006
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 27944 Lims Sample ID: 6
 Sublist: chrom-P-8260 Soil*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P-8260 Soil.m
 Last Update: 19-Aug-2011 07:27:06 Calib Date: 18-Aug-2011 21:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4565.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 19-Aug-2011 07:27:06

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.066	8.066	0.0	94	644892	50.0	
* 2 Chlorobenzene-d5	82	11.838	11.838	0.0	83	290928	50.0	
* 3 1,4-Dichlorobenzene-d4	152	14.983	14.983	0.0	94	312334	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.628	7.628	0.0	98	62519	20.9	
\$ 5 Toluene-d8 (Surr)	98	9.885	9.885	0.0	91	336373	20.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.450	13.450	0.0	95	130383	19.7	
10 Dichlorodifluoromethane	85	2.810	2.810	0.0	81	100595	20.9	
11 Chloromethane	50	3.011	3.011	0.0	88	100018	20.9	
17 Vinyl chloride	62	3.193	3.193	0.0	82	93208	21.0	
12 Bromomethane	94	3.619	3.619	0.0	80	16596	20.3	
13 Chloroethane	64	3.729	3.729	0.0	70	13865	19.1	
14 Trichlorofluoromethane	101	4.027	4.027	0.0	82	166027	21.3	
22 Acrolein	56	4.593	4.593	0.0	93	84272	400.1	
16 1,1,2-Trichloro-1,2,2-trifluoroethane	101	4.647	4.647	0.0	81	87089	20.3	
25 1,1-Dichloroethene	96	4.678	4.678	0.0	83	86172	20.7	
24 Acetone	43	4.769	4.769	0.0	96	155767	101.3	
18 Iodomethane	142	4.903	4.903	0.0	98	112464	19.9	
27 Carbon disulfide	76	4.988	4.988	0.0	99	224524	19.9	
30 Methyl acetate	43	5.092	5.092	0.0	91	134120	20.4	
29 Acetonitrile	40	5.128	5.128	0.0	99	309251	823.3	
31 Methylene Chloride	84	5.256	5.256	0.0	87	112177	23.6	
32 Methyl tert-butyl ether	73	5.505	5.505	0.0	91	246217	19.8	
35 trans-1,2-Dichloroethene	96	5.536	5.536	0.0	94	92249	20.4	
34 Acrylonitrile	53	5.548	5.548	0.0	100	188189	101.2	
38 Vinyl acetate	43	6.010	6.010	0.0	97	764307	107.8	
40 1,1-Dichloroethane	63	6.022	6.022	0.0	45	175390	20.6	
45 2,2-Dichloropropane	77	6.673	6.673	0.0	52	118446	20.3	
44 2-Butanone (MEK)	43	6.667	6.667	0.0	98	248644	102.0	
43 cis-1,2-Dichloroethene	96	6.679	6.679	0.0	67	101472	20.4	
50 Chlorobromomethane	128	6.971	6.971	0.0	90	48975	19.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
51 Tetrahydrofuran	42	7.008	7.008	0.0	90	156724	102.7	
49 Chloroform	83	7.032	7.032	0.0	69	165416	20.4	
52 1,1,1-Trichloroethane	97	7.239	7.239	0.0	91	125065	20.1	
54 Cyclohexane	56	7.282	7.282	0.0	93	147204	20.3	
56 1,1-Dichloropropene	75	7.409	7.409	0.0	92	122666	20.5	
55 Carbon tetrachloride	117	7.422	7.422	0.0	78	103060	19.2	
57 Benzene	78	7.671	7.671	0.0	96	354132	20.8	
60 1,2-Dichloroethane	62	7.720	7.720	0.0	72	124665	20.6	
62 Trichloroethene	95	8.407	8.407	0.0	92	90978	20.3	
64 Methylcyclohexane	83	8.602	8.602	0.0	92	137348	19.9	
63 1,2-Dichloropropane	63	8.711	8.711	0.0	90	94578	20.4	
69 Dibromomethane	93	8.888	8.888	0.0	85	56971	20.1	
70 Dichlorobromomethane	83	9.052	9.052	0.0	90	104915	19.7	
71 2-Chloroethyl vinyl ether	63	9.332	9.332	0.0	90	282805	102.4	
73 cis-1,3-Dichloropropene	75	9.569	9.569	0.0	88	128634	19.9	
75 4-Methyl-2-pentanone (MIBK)	43	9.709	9.709	0.0	97	489933	105.5	
76 Toluene	92	9.977	9.977	0.0	97	213755	20.0	
77 Ethyl methacrylate	69	10.275	10.275	0.0	74	101590	19.6	
78 trans-1,3-Dichloropropene	75	10.275	10.275	0.0	89	114734	19.7	
79 1,1,2-Trichloroethane	83	10.536	10.536	0.0	85	66417	20.2	
80 Tetrachloroethene	166	10.688	10.688	0.0	93	106499	19.6	
82 1,3-Dichloropropane	76	10.761	10.761	0.0	93	129076	20.3	
83 2-Hexanone	43	10.786	10.786	0.0	97	349076	104.8	
81 Chlorodibromomethane	129	11.090	11.090	0.0	98	74503	16.3	
85 Ethylene Dibromide	107	11.266	11.266	0.0	97	82644	19.8	
87 Chlorobenzene	112	11.881	11.881	0.0	85	246402	20.4	
89 Ethylbenzene	91	11.966	11.966	0.0	96	394699	20.8	
88 1,1,1,2-Tetrachloroethane	131	11.978	11.978	0.0	42	79377	19.2	
90 m-Xylene & p-Xylene	106	12.118	12.118	0.0	98	321526	40.7	
93 o-Xylene	106	12.696	12.696	0.0	95	157961	20.1	
94 Styrene	104	12.720	12.720	0.0	95	264939	20.1	
92 Bromoform	173	13.079	13.079	0.0	99	48212	17.1	
95 Isopropylbenzene	105	13.177	13.177	0.0	96	395829	21.4	
97 1,1,2,2-Tetrachloroethane	83	13.657	13.657	0.0	85	106251	20.6	
100 Bromobenzene	156	13.682	13.682	0.0	91	114444	20.2	
98 trans-1,4-Dichloro-2-butene	53	13.718	13.718	0.0	73	141857	107.7	
99 N-Propylbenzene	91	13.736	13.736	0.0	88	496443	21.8	
101 1,2,3-Trichloropropane	110	13.730	13.730	0.0	38	29826	20.4	
103 2-Chlorotoluene	126	13.907	13.907	0.0	96	98480	20.5	
102 1,3,5-Trimethylbenzene	105	13.955	13.955	0.0	64	333021	21.3	
105 4-Chlorotoluene	126	14.047	14.047	0.0	97	102040	20.5	
106 tert-Butylbenzene	134	14.399	14.399	0.0	91	69011	20.2	
107 1,2,4-Trimethylbenzene	105	14.466	14.466	0.0	69	337873	21.1	
109 sec-Butylbenzene	105	14.679	14.679	0.0	93	441394	21.4	
112 4-Isopropyltoluene	119	14.850	14.850	0.0	93	347255	21.0	
110 1,3-Dichlorobenzene	146	14.898	14.898	0.0	91	208815	20.4	
111 1,4-Dichlorobenzene	146	15.014	15.014	0.0	94	213843	20.5	
115 n-Butylbenzene	91	15.379	15.379	0.0	94	349271	21.5	
116 1,2-Dichlorobenzene	146	15.507	15.507	0.0	97	200780	20.4	
117 1,2-Dibromo-3-Chloropropane	75	16.492	16.492	0.0	62	16798	20.3	
119 1,2,4-Trichlorobenzene	180	17.435	17.435	0.0	91	152520	20.3	
120 Hexachlorobutadiene	225	17.569	17.569	0.0	92	89867	19.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	17.751	17.751	0.0	97	323380	20.1	
122 1,2,3-Trichlorobenzene	180	18.037	18.037	0.0	91	139412	19.6	
S 125 Total BTEX	1				0		122.3	
S 126 Xylenes, Total	1				0		60.8	
S 123 1,2-Dichloroethene, Total	1				0		40.8	
S 124 1,3-Dichloropropene, Total	1				0		39.7	

Report Date: 19-Aug-2011 07:27:06

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4553.D

Injection Date: 18-Aug-2011 16:16:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 27944

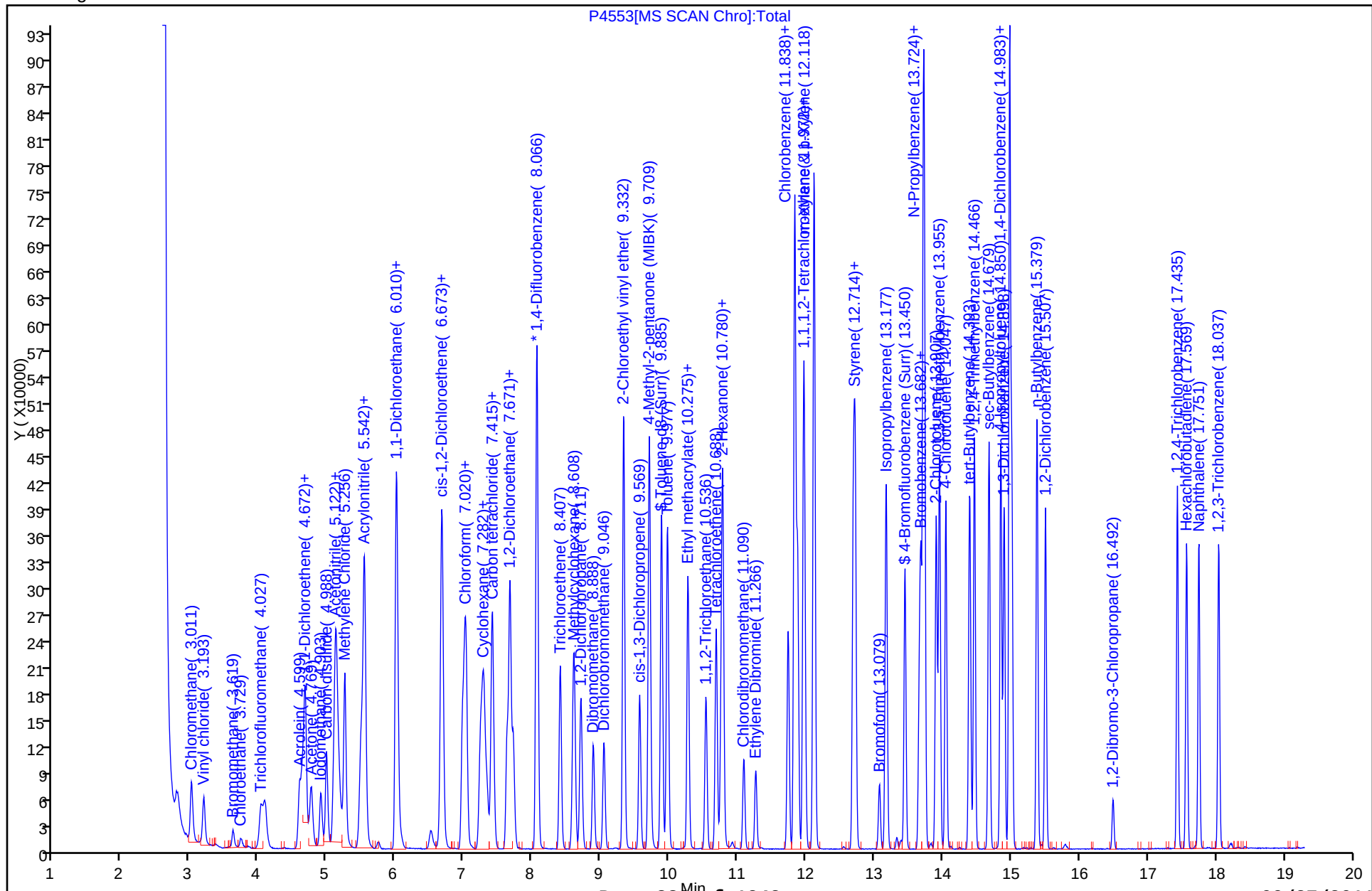
Lims Sample ID: 6

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4554.D
 Lims ID: STD4 Client ID:
 Inject. Date: 18-Aug-2011 16:42:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 4
 Sample ID: STD4
 Misc. Info.: 480-0005370-007 =480-0005370-007
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 27944 Lims Sample ID: 7
 Sublist: chrom-P-8260 Soil*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P-8260 Soil.m
 Last Update: 19-Aug-2011 07:22:13 Calib Date: 18-Aug-2011 21:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4565.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 19-Aug-2011 07:22:12

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.066	8.066	0.0	94	669046	50.0	
* 2 Chlorobenzene-d5	82	11.838	11.838	0.0	80	305166	50.0	
* 3 1,4-Dichlorobenzene-d4	152	14.983	14.983	0.0	93	340159	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.628	7.628	0.0	98	143870	46.5	
\$ 5 Toluene-d8 (Surr)	98	9.891	9.891	0.0	92	872784	50.1	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.450	13.450	0.0	96	328688	47.2	
10 Dichlorodifluoromethane	85	2.804	2.804	0.0	86	261531	52.5	
11 Chloromethane	50	3.017	3.017	0.0	88	255049	51.5	
17 Vinyl chloride	62	3.193	3.193	0.0	83	239058	51.9	
12 Bromomethane	94	3.619	3.619	0.0	90	40600	47.9	
13 Chloroethane	64	3.735	3.735	0.0	89	36336	48.3	
14 Trichlorofluoromethane	101	4.076	4.076	0.0	86	418025	52.4	
22 Acrolein	56	4.593	4.593	0.0	98	240447	1100.4	
16 1,1,2-Trichloro-1,2,2-trifluoroethane	101	4.641	4.641	0.0	85	237682	53.1	
25 1,1-Dichloroethene	96	4.678	4.678	0.0	85	228337	53.0	
24 Acetone	43	4.763	4.763	0.0	97	419866	263.1	
18 Iodomethane	142	4.903	4.903	0.0	98	311269	53.2	
27 Carbon disulfide	76	4.988	4.988	0.0	99	651427	55.6	
30 Methyl acetate	43	5.092	5.092	0.0	91	367578	54.0	
29 Acetonitrile	40	5.128	5.128	0.0	99	830633	2131.5	
31 Methylene Chloride	84	5.256	5.256	0.0	90	273143	55.3	
32 Methyl tert-butyl ether	73	5.493	5.493	0.0	91	695268	54.0	
35 trans-1,2-Dichloroethene	96	5.536	5.536	0.0	94	247267	52.6	
34 Acrylonitrile	53	5.548	5.548	0.0	100	525649	272.5	
38 Vinyl acetate	43	6.004	6.004	0.0	97	2054528	279.4	
40 1,1-Dichloroethane	63	6.022	6.022	0.0	46	461161	52.3	
45 2,2-Dichloropropane	77	6.667	6.667	0.0	54	322873	53.4	
44 2-Butanone (MEK)	43	6.667	6.667	0.0	99	683355	270.2	
43 cis-1,2-Dichloroethene	96	6.679	6.679	0.0	67	271649	52.8	
50 Chlorobromomethane	128	6.977	6.977	0.0	94	133997	52.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
51 Tetrahydrofuran	42	7.002	7.002	0.0	90	434878	274.8	
49 Chloroform	83	7.032	7.032	0.0	71	432464	51.4	
52 1,1,1-Trichloroethane	97	7.239	7.239	0.0	93	342120	53.0	
54 Cyclohexane	56	7.288	7.288	0.0	92	397519	52.9	
56 1,1-Dichloropropene	75	7.409	7.409	0.0	93	319768	51.6	
55 Carbon tetrachloride	117	7.422	7.422	0.0	79	298655	53.6	
57 Benzene	78	7.671	7.671	0.0	97	919777	52.1	
60 1,2-Dichloroethane	62	7.720	7.720	0.0	75	325926	51.8	
62 Trichloroethene	95	8.407	8.407	0.0	92	240951	51.9	
64 Methylcyclohexane	83	8.608	8.608	0.0	92	380649	53.1	
63 1,2-Dichloropropane	63	8.711	8.711	0.0	88	252486	52.4	
69 Dibromomethane	93	8.888	8.888	0.0	87	155347	52.7	
70 Dichlorobromomethane	83	9.046	9.046	0.0	92	298526	54.1	
71 2-Chloroethyl vinyl ether	63	9.332	9.332	0.0	90	784077	273.6	
73 cis-1,3-Dichloropropene	75	9.569	9.569	0.0	90	362820	54.1	
75 4-Methyl-2-pentanone (MIBK)	43	9.709	9.709	0.0	97	1338920	274.8	
76 Toluene	92	9.977	9.977	0.0	95	564305	50.2	
77 Ethyl methacrylate	69	10.275	10.275	0.0	77	301039	55.5	
78 trans-1,3-Dichloropropene	75	10.275	10.275	0.0	91	333634	54.7	
79 1,1,2-Trichloroethane	83	10.536	10.536	0.0	86	180985	52.5	
80 Tetrachloroethene	166	10.688	10.688	0.0	93	277479	48.8	
82 1,3-Dichloropropane	76	10.761	10.761	0.0	93	350847	52.5	
83 2-Hexanone	43	10.786	10.786	0.0	96	967172	276.7	
81 Chlorodibromomethane	129	11.090	11.090	0.0	99	228087	47.6	
85 Ethylene Dibromide	107	11.266	11.266	0.0	98	231609	52.9	
87 Chlorobenzene	112	11.881	11.881	0.0	92	658972	52.0	
89 Ethylbenzene	91	11.966	11.966	0.0	70	1044643	52.4	
88 1,1,1,2-Tetrachloroethane	131	11.984	11.984	0.0	51	232379	53.6	
90 m-Xylene & p-Xylene	106	12.118	12.118	0.0	97	867324	104.7	
93 o-Xylene	106	12.696	12.696	0.0	95	429856	52.0	
94 Styrene	104	12.720	12.720	0.0	96	730868	52.9	
92 Bromoform	173	13.073	13.073	0.0	99	163742	51.6	
95 Isopropylbenzene	105	13.177	13.177	0.0	96	1054039	52.2	
97 1,1,2,2-Tetrachloroethane	83	13.657	13.657	0.0	88	298134	53.0	
100 Bromobenzene	156	13.682	13.682	0.0	89	319978	51.8	
98 trans-1,4-Dichloro-2-butene	53	13.718	13.718	0.0	80	399099	278.3	
101 1,2,3-Trichloropropane	110	13.730	13.730	0.0	41	85255	53.2	
99 N-Propylbenzene	91	13.736	13.736	0.0	88	1318444	53.2	
103 2-Chlorotoluene	126	13.907	13.907	0.0	96	267062	51.1	
102 1,3,5-Trimethylbenzene	105	13.955	13.955	0.0	72	887417	52.0	
105 4-Chlorotoluene	126	14.047	14.047	0.0	97	276051	51.0	
106 tert-Butylbenzene	134	14.399	14.399	0.0	92	191110	51.5	
107 1,2,4-Trimethylbenzene	105	14.466	14.466	0.0	70	900056	51.7	
109 sec-Butylbenzene	105	14.679	14.679	0.0	94	1179939	52.5	
112 4-Isopropyltoluene	119	14.850	14.850	0.0	94	941837	52.4	
110 1,3-Dichlorobenzene	146	14.898	14.898	0.0	91	570982	51.3	
111 1,4-Dichlorobenzene	146	15.014	15.014	0.0	95	585061	51.4	
115 n-Butylbenzene	91	15.379	15.379	0.0	95	921931	52.0	
116 1,2-Dichlorobenzene	146	15.507	15.507	0.0	98	553420	51.5	
117 1,2-Dibromo-3-Chloropropane	75	16.492	16.492	0.0	78	51121	55.0	
119 1,2,4-Trichlorobenzene	180	17.435	17.435	0.0	90	428480	52.3	
120 Hexachlorobutadiene	225	17.569	17.569	0.0	93	248469	52.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	17.751	17.751	0.0	97	903340	54.0	
122 1,2,3-Trichlorobenzene	180	18.037	18.037	0.0	91	394673	53.6	
S 125 Total BTEX	1				0		311.4	
S 126 Xylenes, Total	1				0		156.7	
S 123 1,2-Dichloroethene, Total	1				0		105.3	
S 124 1,3-Dichloropropene, Total	1				0		108.9	

Report Date: 19-Aug-2011 07:22:13

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4554.D

Injection Date: 18-Aug-2011 16:42:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 27944

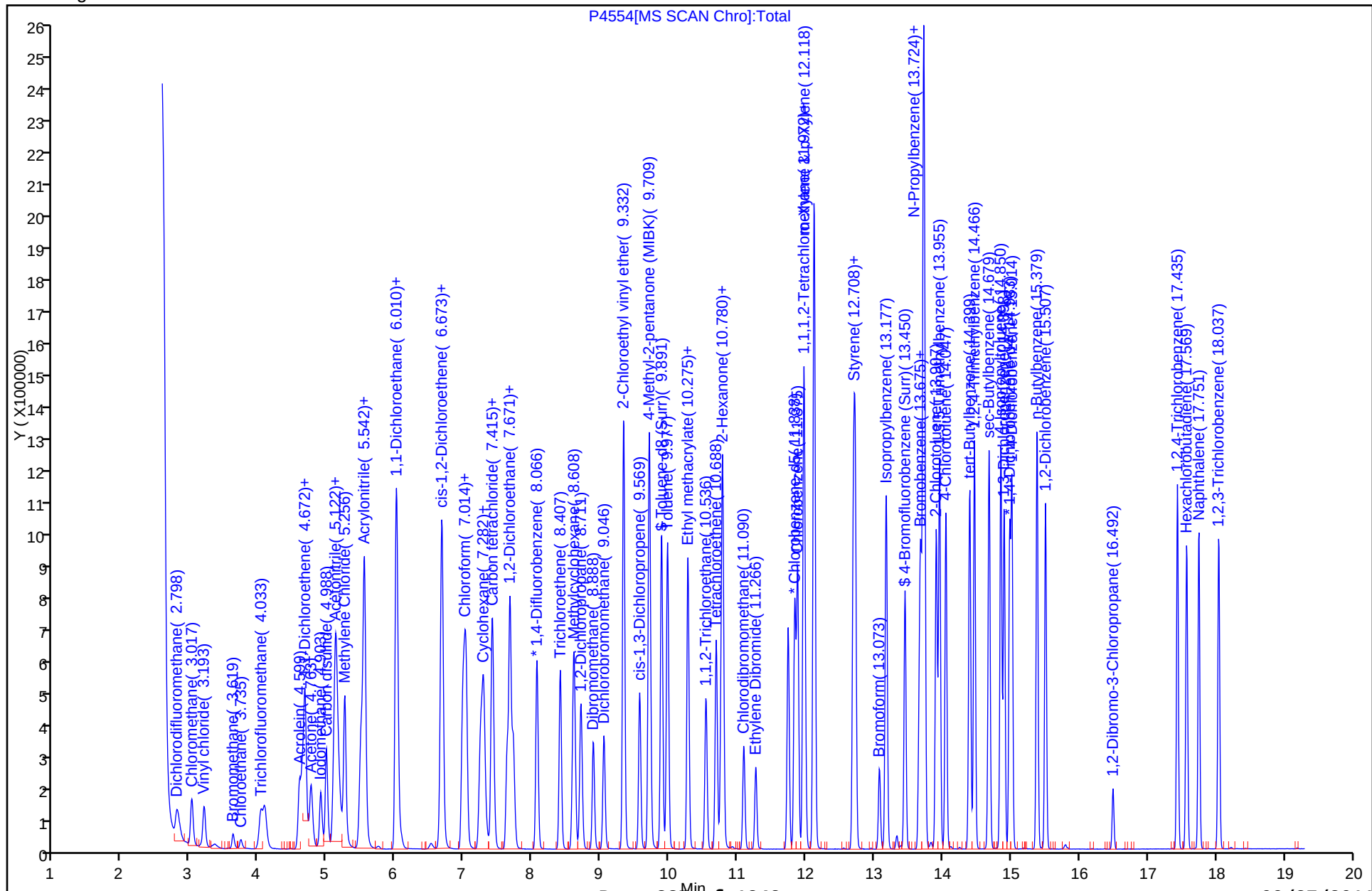
Lims Sample ID: 7

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4555.D
 Lims ID: STD5 Client ID:
 Inject. Date: 18-Aug-2011 17:07:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: STD5
 Misc. Info.: 480-0005370-008 =480-0005370-008
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 8
 Lims Batch ID: 27944 Lims Sample ID: 8
 Sublist: chrom-P-8260 Soil*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P-8260 Soil.m
 Last Update: 19-Aug-2011 07:27:26 Calib Date: 18-Aug-2011 21:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4565.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 19-Aug-2011 07:27:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.066	8.066	0.0	94	718327	50.0	
* 2 Chlorobenzene-d5	82	11.838	11.838	0.0	79	325503	50.0	
* 3 1,4-Dichlorobenzene-d4	152	14.983	14.983	0.0	92	375709	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.634	7.628	0.006	98	309892	93.2	
\$ 5 Toluene-d8 (Surr)	98	9.891	9.885	0.006	92	1828257	98.5	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.450	13.450	0.0	97	735886	99.2	
10 Dichlorodifluoromethane	85	2.816	2.810	0.006	87	520014	97.1	
11 Chloromethane	50	3.029	3.011	0.018	89	495194	93.1	
17 Vinyl chloride	62	3.212	3.193	0.019	82	474104	95.9	
12 Bromomethane	94	3.631	3.619	0.012	90	88408	97.1	
13 Chloroethane	64	3.747	3.729	0.018	92	85122	105.3	
14 Trichlorofluoromethane	101	4.088	4.027	0.061	85	813651	93.7	
22 Acrolein	56	4.599	4.593	0.006	100	454038	1935.3	
16 1,1,2-Trichloro-1,2,2-trifluoroethane	101	4.654	4.647	0.007	85	468168	97.9	
25 1,1-Dichloroethene	96	4.684	4.678	0.006	85	447970	96.8	
24 Acetone	43	4.763	4.769	-0.006	97	757165	441.9	
18 Iodomethane	142	4.909	4.903	0.006	98	626139	99.6	
27 Carbon disulfide	76	4.994	4.988	0.006	99	1313001	104.4	
30 Methyl acetate	43	5.098	5.092	0.006	90	679245	92.9	
29 Acetonitrile	40	5.128	5.128	0.0	99	1500511	3586.3	
31 Methylene Chloride	84	5.262	5.256	0.006	88	529596	99.9	
32 Methyl tert-butyl ether	73	5.499	5.505	-0.006	91	1362572	98.5	
35 trans-1,2-Dichloroethene	96	5.542	5.536	0.006	95	494734	98.0	
34 Acrylonitrile	53	5.554	5.548	0.006	99	979054	472.7	
38 Vinyl acetate	43	6.010	6.010	0.0	97	3727239	472.1	
40 1,1-Dichloroethane	63	6.028	6.022	0.006	49	910702	96.2	
45 2,2-Dichloropropane	77	6.673	6.673	0.0	55	657688	101.3	
44 2-Butanone (MEK)	43	6.667	6.667	0.0	99	1247137	459.3	
43 cis-1,2-Dichloroethene	96	6.685	6.679	0.006	69	543289	98.3	
50 Chlorobromomethane	128	6.977	6.971	0.006	94	271618	99.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
51 Tetrahydrofuran	42	7.008	7.008	0.0	89	787364	463.4	
49 Chloroform	83	7.038	7.032	0.006	70	854043	94.6	
52 1,1,1-Trichloroethane	97	7.245	7.239	0.006	93	696238	100.4	
54 Cyclohexane	56	7.288	7.282	0.006	92	777018	96.3	
56 1,1-Dichloropropene	75	7.409	7.409	0.0	93	639098	96.1	
55 Carbon tetrachloride	117	7.428	7.422	0.006	78	629999	105.3	
57 Benzene	78	7.677	7.671	0.006	97	1819290	96.0	
60 1,2-Dichloroethane	62	7.720	7.720	0.0	76	640442	94.8	
62 Trichloroethene	95	8.407	8.407	0.0	93	488447	98.0	
64 Methylcyclohexane	83	8.608	8.602	0.006	92	762268	99.1	
63 1,2-Dichloropropane	63	8.711	8.711	0.0	89	502945	97.2	
69 Dibromomethane	93	8.894	8.888	0.006	85	315991	99.9	
70 Dichlorobromomethane	83	9.046	9.052	-0.006	93	625219	105.5	
71 2-Chloroethyl vinyl ether	63	9.338	9.332	0.006	91	1517314	493.1	
73 cis-1,3-Dichloropropene	75	9.569	9.569	0.0	91	750929	104.4	
75 4-Methyl-2-pentanone (MIBK)	43	9.709	9.709	0.0	96	2425347	466.6	
76 Toluene	92	9.977	9.977	0.0	96	1148073	95.8	
77 Ethyl methacrylate	69	10.281	10.275	0.006	80	603887	104.3	
78 trans-1,3-Dichloropropene	75	10.275	10.275	0.0	92	697209	107.2	
79 1,1,2-Trichloroethane	83	10.542	10.536	0.006	85	364698	99.3	
80 Tetrachloroethene	166	10.688	10.688	0.0	93	572221	94.3	
82 1,3-Dichloropropane	76	10.761	10.761	0.0	92	698389	98.0	
83 2-Hexanone	43	10.786	10.786	0.0	94	1757711	471.5	
81 Chlorodibromomethane	129	11.096	11.090	0.006	99	497599	97.4	
85 Ethylene Dibromide	107	11.266	11.266	0.0	98	467662	100.2	
87 Chlorobenzene	112	11.881	11.881	0.0	94	1341536	99.2	
89 Ethylbenzene	91	11.972	11.966	0.006	69	2091139	98.3	
88 1,1,1,2-Tetrachloroethane	131	11.984	11.978	0.006	51	507207	109.7	
90 m-Xylene & p-Xylene	106	12.124	12.118	0.006	95	1790250	202.5	
93 o-Xylene	106	12.696	12.696	0.0	94	900254	102.2	
94 Styrene	104	12.726	12.720	0.006	96	1527366	103.6	
92 Bromoform	173	13.079	13.079	0.0	99	371350	100.2	
95 Isopropylbenzene	105	13.177	13.177	0.0	96	2136110	95.9	
97 1,1,2,2-Tetrachloroethane	83	13.657	13.657	0.0	88	589129	94.9	
100 Bromobenzene	156	13.682	13.682	0.0	88	668735	98.0	
98 trans-1,4-Dichloro-2-butene	53	13.718	13.718	0.0	81	757140	477.9	
99 N-Propylbenzene	91	13.736	13.736	0.0	96	2613791	95.5	
101 1,2,3-Trichloropropane	110	13.730	13.730	0.0	42	172764	98.4	
103 2-Chlorotoluene	126	13.907	13.907	0.0	97	557145	96.6	
102 1,3,5-Trimethylbenzene	105	13.955	13.955	0.0	68	1819315	96.5	
105 4-Chlorotoluene	126	14.053	14.047	0.006	96	580430	97.0	
106 tert-Butylbenzene	134	14.399	14.399	0.0	92	408463	99.6	
107 1,2,4-Trimethylbenzene	105	14.466	14.466	0.0	70	1851751	96.3	
109 sec-Butylbenzene	105	14.679	14.679	0.0	94	2389815	96.4	
112 4-Isopropyltoluene	119	14.856	14.850	0.006	93	1947693	98.0	
110 1,3-Dichlorobenzene	146	14.904	14.898	0.006	91	1194677	97.2	
111 1,4-Dichlorobenzene	146	15.014	15.014	0.0	95	1216079	96.8	
115 n-Butylbenzene	91	15.385	15.379	0.006	94	1849548	94.5	
116 1,2-Dichlorobenzene	146	15.507	15.507	0.0	97	1147648	96.8	
117 1,2-Dibromo-3-Chloropropane	75	16.492	16.492	0.0	85	104830	105.5	
119 1,2,4-Trichlorobenzene	180	17.435	17.435	0.0	92	894654	98.9	
120 Hexachlorobutadiene	225	17.569	17.569	0.0	92	523674	103.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	17.751	17.751	0.0	97	1756899	97.8	
122 1,2,3-Trichlorobenzene	180	18.037	18.037	0.0	91	806396	101.9	
S 125 Total BTEX	1				0		594.8	
S 126 Xylenes, Total	1				0		304.7	
S 123 1,2-Dichloroethene, Total	1				0		196.2	
S 124 1,3-Dichloropropene, Total	1				0		211.6	

Report Date: 19-Aug-2011 07:27:26

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4555.D

Injection Date: 18-Aug-2011 17:07:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 27944

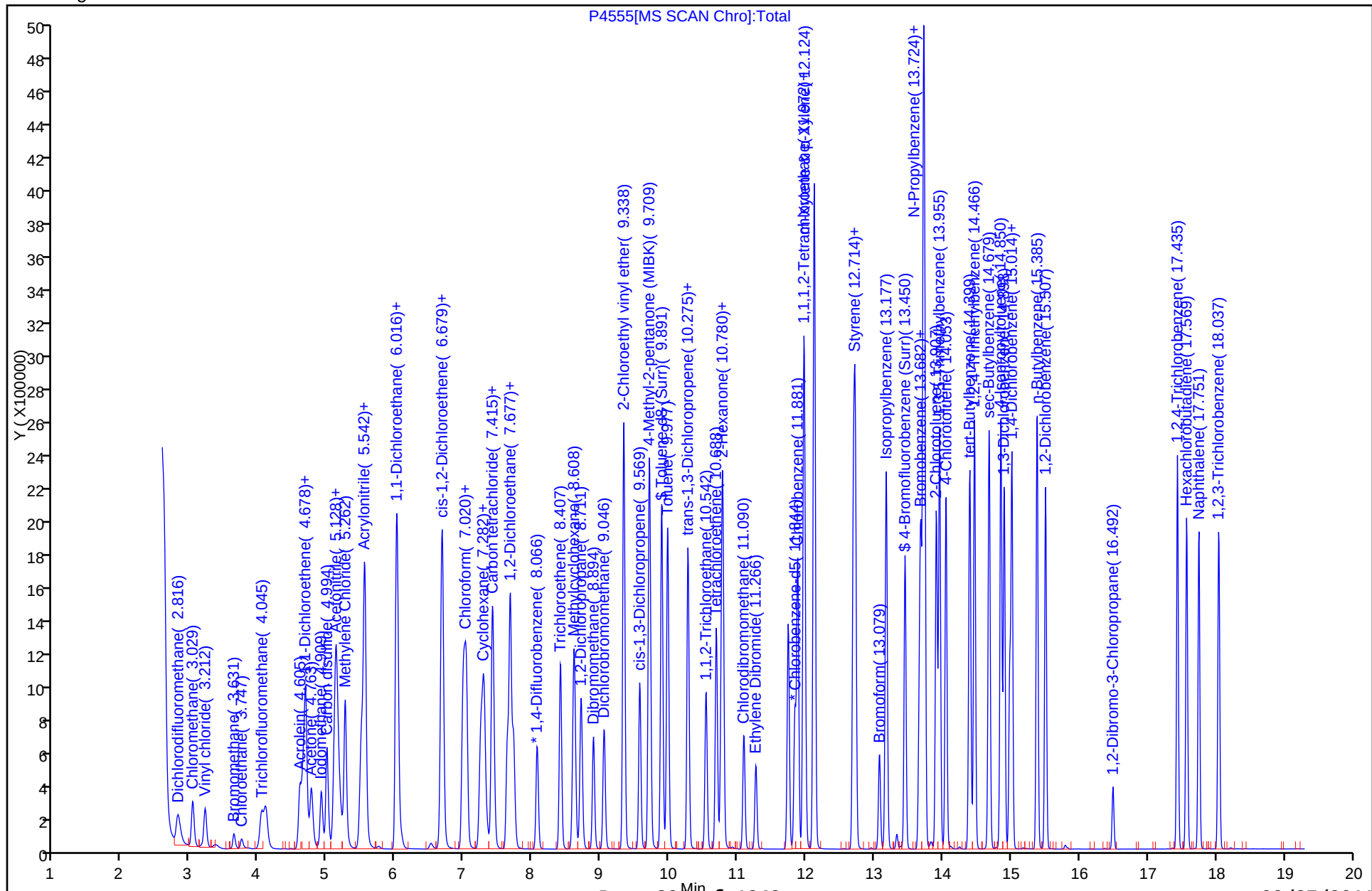
Lims Sample ID: 8

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4556.D
 Lims ID: STD6 Client ID:
 Inject. Date: 18-Aug-2011 17:33:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: STD6
 Misc. Info.: 480-0005370-009 =480-0005370-009
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 9
 Lims Batch ID: 27944 Lims Sample ID: 9
 Sublist: chrom-P-8260 Soil*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P-8260 Soil.m
 Last Update: 19-Aug-2011 07:27:41 Calib Date: 18-Aug-2011 21:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4565.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 19-Aug-2011 07:27:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.072	8.066	0.006	94	759923	50.0	
* 2 Chlorobenzene-d5	82	11.838	11.838	0.0	73	339602	50.0	
* 3 1,4-Dichlorobenzene-d4	152	14.983	14.983	0.0	77	403003	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.634	7.628	0.006	97	668693	190.2	
\$ 5 Toluene-d8 (Surr)	98	9.891	9.885	0.006	91	3761648	194.2	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.450	13.450	0.0	96	1678832	216.9	
10 Dichlorodifluoromethane	85	2.810	2.810	0.0	88	1077514	190.3	
11 Chloromethane	50	3.035	3.011	0.024	88	970575	172.5	
17 Vinyl chloride	62	3.218	3.193	0.025	82	938787	179.5	
12 Bromomethane	94	3.637	3.619	0.018	89	206759	214.8	
13 Chloroethane	64	3.747	3.729	0.018	93	199416	233.2	
14 Trichlorofluoromethane	101	4.088	4.027	0.061	87	1736110	189.0	
22 Acrolein	56	4.593	4.593	0.0	100	999019	4025.1	
16 1,1,2-Trichloro-1,2,2-trifluoroethane	101	4.653	4.647	0.006	85	1012375	200.0	
25 1,1-Dichloroethene	96	4.684	4.678	0.006	86	975343	199.2	
24 Acetone	43	4.763	4.769	-0.006	97	1625870	897.0	
18 Iodomethane	142	4.909	4.903	0.006	98	1360582	204.6	
27 Carbon disulfide	76	4.994	4.988	0.006	99	2810991	211.3	
30 Methyl acetate	43	5.091	5.092	-0.001	90	1445185	186.8	
29 Acetonitrile	40	5.128	5.128	0.0	99	3113033	7033.0	
31 Methylene Chloride	84	5.262	5.256	0.006	87	1111554	198.2	
32 Methyl tert-butyl ether	73	5.499	5.505	-0.006	91	2895782	197.9	
35 trans-1,2-Dichloroethene	96	5.542	5.536	0.006	96	1072052	200.7	
34 Acrylonitrile	53	5.554	5.548	0.006	99	2064521	942.3	
38 Vinyl acetate	43	6.010	6.010	0.0	97	6495630	777.7	
40 1,1-Dichloroethane	63	6.028	6.022	0.006	53	1879884	187.8	
44 2-Butanone (MEK)	43	6.667	6.667	0.0	98	2500615	870.5	
45 2,2-Dichloropropane	77	6.673	6.673	0.0	56	1415387	206.1	
43 cis-1,2-Dichloroethene	96	6.685	6.679	0.006	69	1163430	198.9	
50 Chlorobromomethane	128	6.977	6.971	0.006	94	596665	206.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
51 Tetrahydrofuran	42	7.002	7.008	-0.006	87	1640414	912.7	
49 Chloroform	83	7.032	7.032	0.0	70	1802278	188.7	
52 1,1,1-Trichloroethane	97	7.245	7.239	0.006	92	1516920	206.8	
54 Cyclohexane	56	7.288	7.282	0.006	91	1653299	193.8	
56 1,1-Dichloropropene	75	7.409	7.409	0.0	94	1377552	195.7	
55 Carbon tetrachloride	117	7.427	7.422	0.005	78	1437484	227.2	
57 Benzene	78	7.677	7.671	0.006	98	3723954	185.7	
60 1,2-Dichloroethane	62	7.720	7.720	0.0	77	1330632	186.2	
62 Trichloroethene	95	8.407	8.407	0.0	92	1064506	201.9	
64 Methylcyclohexane	83	8.608	8.602	0.006	91	1674181	205.7	
63 1,2-Dichloropropane	63	8.711	8.711	0.0	89	1075704	196.4	
69 Dibromomethane	93	8.894	8.888	0.006	84	684103	204.5	
70 Dichlorobromomethane	83	9.046	9.052	-0.006	93	1347294	214.9	
71 2-Chloroethyl vinyl ether	63	9.338	9.332	0.006	91	3023321	928.8	
73 cis-1,3-Dichloropropene	75	9.575	9.569	0.006	93	1610976	211.6	
75 4-Methyl-2-pentanone (MIBK)	43	9.715	9.709	0.006	92	4560262	840.9	
76 Toluene	92	9.983	9.977	0.006	92	2464275	197.1	
77 Ethyl methacrylate	69	10.281	10.275	0.006	78	1305969	216.2	
78 trans-1,3-Dichloropropene	75	10.275	10.275	0.0	93	1496011	220.5	
79 1,1,2-Trichloroethane	83	10.542	10.536	0.006	85	789701	206.0	
80 Tetrachloroethene	166	10.694	10.688	0.006	92	1299736	205.2	
82 1,3-Dichloropropane	76	10.767	10.761	0.006	82	1488891	200.2	
83 2-Hexanone	43	10.786	10.786	0.0	89	3402651	874.9	
81 Chlorodibromomethane	129	11.096	11.090	0.006	100	1135902	213.1	
85 Ethylene Dibromide	107	11.266	11.266	0.0	99	1030332	211.5	
87 Chlorobenzene	112	11.881	11.881	0.0	94	2848918	201.9	
89 Ethylbenzene	91	11.972	11.966	0.006	67	4149218	187.0	
88 1,1,1,2-Tetrachloroethane	131	11.984	11.978	0.006	51	1138144	235.9	
90 m-Xylene & p-Xylene	106	12.124	12.118	0.006	90	3665391	397.5	
93 o-Xylene	106	12.696	12.696	0.0	93	1960142	213.2	
94 Styrene	104	12.726	12.720	0.006	94	3163930	205.7	
92 Bromoform	173	13.079	13.079	0.0	98	912783	199.9	
95 Isopropylbenzene	105	13.176	13.177	-0.001	96	4318238	180.7	
97 1,1,2,2-Tetrachloroethane	83	13.663	13.657	0.006	88	1286210	193.2	
100 Bromobenzene	156	13.681	13.682	-0.001	85	1497039	204.6	
98 trans-1,4-Dichloro-2-butene	53	13.718	13.718	0.0	81	1406649	827.8	
101 1,2,3-Trichloropropane	110	13.736	13.730	0.006	38	368036	195.4	
99 N-Propylbenzene	91	13.742	13.736	0.006	94	4746411	161.6	
103 2-Chlorotoluene	126	13.913	13.907	0.006	97	1256006	203.0	
102 1,3,5-Trimethylbenzene	105	13.955	13.955	0.0	74	3719969	184.0	
105 4-Chlorotoluene	126	14.053	14.047	0.005	95	1289702	201.0	
106 tert-Butylbenzene	134	14.399	14.399	0.0	91	936886	212.9	
107 1,2,4-Trimethylbenzene	105	14.466	14.466	0.0	67	3738491	181.3	
109 sec-Butylbenzene	105	14.679	14.679	0.0	95	4732663	177.9	
112 4-Isopropyltoluene	119	14.856	14.850	0.006	91	4003386	187.9	
110 1,3-Dichlorobenzene	146	14.904	14.898	0.006	95	2609642	197.9	
111 1,4-Dichlorobenzene	146	15.014	15.014	0.0	94	2639952	195.8	
115 n-Butylbenzene	91	15.385	15.379	0.006	90	3684425	175.5	
116 1,2-Dichlorobenzene	146	15.506	15.507	-0.001	96	2505368	197.0	
117 1,2-Dibromo-3-Chloropropane	75	16.492	16.492	0.0	89	240174	225.4	
119 1,2,4-Trichlorobenzene	180	17.435	17.435	0.0	91	2005674	206.7	
120 Hexachlorobutadiene	225	17.575	17.569	0.006	91	1278304	237.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	17.751	17.751	0.0	98	3624337	190.8	
122 1,2,3-Trichlorobenzene	180	18.043	18.037	0.006	91	1831317	218.8	
S 125 Total BTEX	1				0		1180.5	
S 126 Xylenes, Total	1				0		610.7	
S 123 1,2-Dichloroethene, Total	1				0		399.6	
S 124 1,3-Dichloropropene, Total	1				0		432.1	

Report Date: 19-Aug-2011 07:27:42

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4556.D

Injection Date: 18-Aug-2011 17:33:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 27944

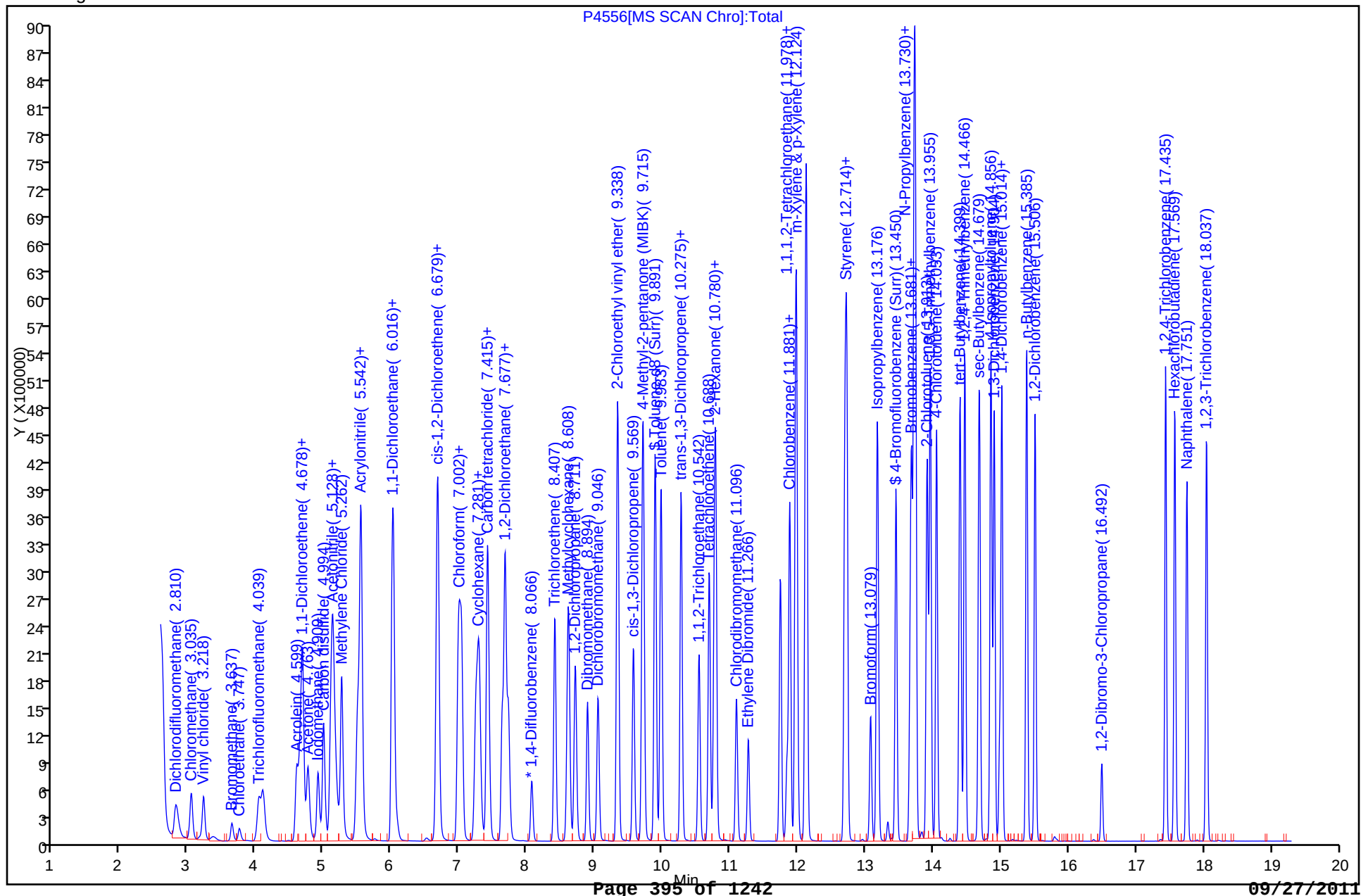
Lims Sample ID: 9

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 27944

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2011 19:15 Calibration End Date: 08/18/2011 21:23 Calibration ID: 3703

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 480-27944/13	P4560.D
Level 2	STD8 480-27944/14	P4561.D
Level 3	STD9 480-27944/15	P4562.D
Level 4	STD10 480-27944/16	P4563.D
Level 5	STD11 480-27944/17	P4564.D
Level 6	STD12 480-27944/18	P4565.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorodifluoromethane	0.3614 0.3283	0.3802	0.3597	0.3814	0.3537	Ave		0.3608				5.4		15.0			
Dichlorofluoromethane	0.6542 0.5900	0.6735	0.6607	0.6733	0.6460	Ave		0.6496				4.8		15.0			
Ethyl ether	0.3004 0.2815	0.3042	0.3034	0.2979	0.2957	Ave		0.2972				2.8		15.0			
Isopropyl alcohol	0.0298 0.0278	0.0298	0.0301	0.0300	0.0296	Ave		0.0295				2.9		15.0			
Allyl chloride	0.5740 0.4829	0.5646	0.5386	0.5372	0.5204	Ave		0.5363				6.1		15.0			
t-Butyl alcohol	0.0452 0.0440	0.0450	0.0460	0.0468	0.0462	Ave		0.0455				2.2		15.0			
Hexane	0.5434 0.4633	0.5242	0.5130	0.5237	0.4953	Ave		0.5105				5.5		15.0			
Isopropyl ether	1.2435 1.1082	1.2664	1.2543	1.2657	1.2284	Ave		1.2278				4.9		15.0			
1,1-Dimethoxyethane	0.0519 0.0639	0.0553	0.0579	0.0625	0.0643	Ave		0.0593				8.6		15.0			
Chloroprene	0.4841 0.4723	0.5093	0.5023	0.5251	0.5086	Ave		0.5003				3.8		15.0			
Propene oxide	0					Ave		0						15.0			
Tert-butyl ethyl ether	1.0697 1.0180	1.0740	1.0930	1.0974	1.0963	Ave		1.0747				2.8		15.0			
Ethyl acetate	0.3794 0.2891	0.3352	0.3281	0.3204	0.3073	Ave		0.3266				9.4		15.0			
Propionitrile	0.0555 0.0505	0.0568	0.0559	0.0559	0.0544	Ave		0.0548				4.2		15.0			
Methacrylonitrile	0.2106 0.2040	0.2189	0.2218	0.2255	0.2168	Ave		0.2163				3.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 27944

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2011 19:15 Calibration End Date: 08/18/2011 21:23 Calibration ID: 3703

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Nitropropane	0.3210 0.3047	0.3343	0.3324	0.3500	0.3238	Ave		0.3277				4.6		15.0			
Tert-amyl methyl ether	0.8881 0.8982	0.8756	0.9117	0.9350	0.9482	Ave		0.9094				3.1		15.0			
n-Heptane	0.5614 0.4964	0.5945	0.5827	0.5828	0.5507	Ave		0.5614				6.3		15.0			
n-Butanol	0.0111 0.0125	0.0110	0.0122	0.0132	0.0128	Ave		0.0121				7.5		15.0			
Methyl methacrylate	0.2887 0.2810	0.2982	0.2972	0.3051	0.3007	Ave		0.2952				3.0		15.0			
1,4-Dioxane	0.0094 0.0098	0.0097	0.0098	0.0103	0.0100	Ave		0.0098				3.1		15.0			
Isobutyl alcohol	0.0053 0.0100	0.0065	0.0075	0.0092	0.0100	LinF		0.0099							0.9980		0.9900
Epichlorohydrin	0.0358 0.0333	0.0369	0.0378	0.0380	0.0368	Ave		0.0364				4.8		15.0			
3-Chlorobenzotrifluoride	1.0809 1.1740	1.1127	1.0984	1.1685	1.1395	Ave		1.1290				3.4		15.0			
p-Monochlorobenzotrifluoride	1.1093 1.1440	1.1020	1.0656	1.1679	1.1067	Ave		1.1159				3.2		15.0			
2-Chlorobenzotrifluoride	1.0951 1.1982	1.1158	1.1184	1.1943	1.1651	Ave		1.1478				3.8		15.0			
Cyclohexanone	0.2069 0.1766	0.2117	0.2072	0.2102	0.1875	Ave		0.2000				7.2		15.0			
3-Chlorotoluene	0.7715 0.8332	0.7883	0.7917	0.8436	0.8330	Ave		0.8102				3.7		15.0			
Pentachloroethane	0.2230 0.2968	0.2544	0.2468	0.2793	0.2710	Ave		0.2619				10.0		15.0			
Dicyclopentadiene	3.2773 2.6922	3.3404	3.2978	3.4555	3.1501	Ave		3.2022				8.4		15.0			
1,2,3-Trimethylbenzene	2.6804 2.5349	2.7400	2.7215	2.8982	2.8302	Ave		2.7342				4.6		15.0			
1,3,5-Trichlorobenzene	1.2389 1.3812	1.2491	1.2511	1.3397	1.3603	Ave		1.3034				4.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 27944

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2011 19:15 Calibration End Date: 08/18/2011 21:23 Calibration ID: 3703

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 480-27944/13	P4560.D
Level 2	STD8 480-27944/14	P4561.D
Level 3	STD9 480-27944/15	P4562.D
Level 4	STD10 480-27944/16	P4563.D
Level 5	STD11 480-27944/17	P4564.D
Level 6	STD12 480-27944/18	P4565.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Chlorodifluoromethane	DFB	Ave	24870 1026269	50517	93954	258737	496421	5.00 200	10.0	20.0	50.0	100
Dichlorofluoromethane	DFB	Ave	45012 1844034	89491	172564	456700	906643	5.00 200	10.0	20.0	50.0	100
Ethyl ether	DFB	Ave	20672 879792	40412	79255	202046	415073	5.00 200	10.0	20.0	50.0	100
Isopropyl alcohol	DFB	Ave	41033 1740171	79280	157262	407328	831250	100 4000	200	400	1000	2000
Allyl chloride	DFB	Ave	39498 1509470	75010	140670	364365	730380	5.00 200	10.0	20.0	50.0	100
t-Butyl alcohol	DFB	Ave	62249 2750377	119511	240513	634386	1296291	100 4000	200	400	1000	2000
Hexane	DFB	Ave	37388 1448079	69653	133993	355219	695157	5.00 200	10.0	20.0	50.0	100
Isopropyl ether	DFB	Ave	85562 3463754	168268	327613	858566	1724093	5.00 200	10.0	20.0	50.0	100
1,1-Dimethoxyethane	DFB	Ave	17841 999414	36715	75675	212141	451072	25.0 1000	50.0	100	250	500
Chloroprene	DFB	Ave	33308 1476387	67671	131196	356155	713835	5.00 200	10.0	20.0	50.0	100
Propene oxide	DFB	Ave	110					1000				
Tert-butyl ethyl ether	DFB	Ave	73602 3182016	142696	285481	744417	1538806	5.00 200	10.0	20.0	50.0	100
Ethyl acetate	DFB	Ave	26106 903662	44543	85697	217319	431342	5.00 200	10.0	20.0	50.0	100
Propionitrile	DFB	Ave	38160 1577637	75508	145982	379458	763313	50.0 2000	100	200	500	1000
Methacrylonitrile	DFB	Ave	14492 637577	29082	57940	152964	304229	5.00 200	10.0	20.0	50.0	100
2-Nitropropane	DCB	Ave	53997 2305586	106807	213444	575410	1130932	25.0 1000	50.0	100	250	500

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 27944

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/18/2011 19:15 Calibration End Date: 08/18/2011 21:23 Calibration ID: 3703

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Tert-amyl methyl ether	DFB	Ave	61105 2807529	116334	238122	634195	1330865	5.00 200	10.0	20.0	50.0	100
n-Heptane	DFB	Ave	38629 1551611	78995	152207	395344	772914	5.00 200	10.0	20.0	50.0	100
n-Butanol	DFB	Ave	30474 1559333	58362	127007	357529	719536	200 8000	400	800	2000	4000
Methyl methacrylate	DFB	Ave	19866 878372	39627	77624	206970	422028	5.00 200	10.0	20.0	50.0	100
1,4-Dioxane	CBZ	Ave	11667 542889	23039	45981	124721	249331	200 8000	400	800	2000	4000
Isobutyl alcohol	DFB	LinF	14559 1246914	34619	78675	250531	560277	200 8000	400	800	2000	4000
Epichlorohydrin	DFB	Ave	49248 2080906	98122	197711	515123	1031653	100 4000	200	400	1000	2000
3-Chlorobenzotrifluoride	DCB	Ave	36365 1776889	71109	141064	384180	796001	5.00 200	10.0	20.0	50.0	100
p-Monochlorobenzotrifluoride	DCB	Ave	37320 1731574	70421	136853	383986	773052	5.00 200	10.0	20.0	50.0	100
2-Chlorobenzotrifluoride	DCB	Ave	36845 1813497	71304	143635	392670	813857	5.00 200	10.0	20.0	50.0	100
Cyclohexanone	DCB	Ave	69618 2673421	135301	266136	691261	1309791	50.0 2000	100	200	500	1000
3-Chlorotoluene	DCB	Ave	25956 1261098	50378	101679	277361	581873	5.00 200	10.0	20.0	50.0	100
Pentachloroethane	DCB	Ave	7503 449223	16258	31700	91832	189287	5.00 200	10.0	20.0	50.0	100
Dicyclopentadiene	DCB	Ave	110262 4074805	213468	423541	1136138	2200438	5.00 200	10.0	20.0	50.0	100
1,2,3-Trimethylbenzene	DCB	Ave	90181 3836740	175103	349527	952886	1976964	5.00 200	10.0	20.0	50.0	100
1,3,5-Trichlorobenzene	DCB	Ave	41683 2090577	79827	160684	440490	950215	5.00 200	10.0	20.0	50.0	100

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4560.D
 Lims ID: STD7 Client ID:
 Inject. Date: 18-Aug-2011 19:15:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: STD7
 Misc. Info.: 480-0005370-013 =480-0005370-013
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 27944 Lims Sample ID: 13
 Sublist: chrom-P-8260 Soil*sub5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P-8260 Soil.m
 Last Update: 19-Aug-2011 07:37:41 Calib Date: 18-Aug-2011 21:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4565.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 19-Aug-2011 07:37:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.066	8.066	0.0	94	688066	50.0	
* 2 Chlorobenzene-d5	82	11.838	11.838	0.0	83	310911	50.0	
* 3 1,4-Dichlorobenzene-d4	152	14.983	14.983	0.0	93	336443	50.0	
15 Chlorodifluoromethane	51	2.828	2.828	0.0	45	24870	5.01	
19 Dichlorofluoromethane	67	4.003	4.008	-0.005	72	45012	5.04	
20 Ethyl ether	59	4.368	4.361	0.007	82	20672	5.05	
23 Isopropyl alcohol	45	4.915	4.897	0.018	89	41033	100.9	
28 3-Chloro-1-propene	41	5.098	5.091	0.007	81	39498	5.35	
33 2-Methyl-2-propanol	59	5.353	5.341	0.012	95	62249	99.3	
36 Hexane	57	5.749	5.748	0.001	92	37388	5.32	
37 Isopropyl ether	45	5.980	5.973	0.007	95	85562	5.06	
39 1,1-Dimethoxyethane	75	6.077	6.071	0.006	86	17841	21.9	
41 2-Chloro-1,3-butadiene	53	6.108	6.101	0.007	80	33308	4.84	
26 Propene oxide	58		6.211					
42 Tert-butyl ethyl ether	59	6.387	6.387	0.0	98	73602	4.98	
46 Ethyl acetate	43	6.679	6.667	0.012	88	26106	5.81	
47 Propionitrile	54	6.795	6.789	0.006	91	38160	50.6	
48 Methacrylonitrile	41	6.935	6.941	-0.006	75	14492	4.87	
72 2-Nitropropane	43	7.513	7.500	0.013	82	53997	24.5	
58 Tert-amyl methyl ether	73	7.701	7.707	-0.006	93	61105	4.88	
59 n-Heptane	43	7.817	7.817	0.0	90	38629	5.00	
61 n-Butanol	56	8.285	8.273	0.012	87	30474	182.8	
65 Methyl methacrylate	41	8.736	8.735	0.001	74	19866	4.89	
68 1,4-Dioxane	88	8.863	8.857	0.006	83	11667	191.0	
53 Isobutyl alcohol	43	9.332	9.332	0.0	46	14559	106.7	
74 Epichlorohydrin	57	9.490	9.484	0.006	92	49248	98.2	
84 3-Chlorobenzotrifluoride	180	11.741	11.741	0.0	70	36365	4.79	
86 4-Chlorobenzotrifluoride	180	11.820	11.820	0.0	41	37320	4.97	
91 2-Chlorobenzotrifluoride	180	13.049	13.049	0.0	85	36845	4.77	
96 Cyclohexanone	55	13.420	13.420	0.0	92	69618	51.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
104 3-Chlorotoluene	126	13.986	13.986	0.0	93	25956	4.76	
108 Pentachloroethane	167	14.497	14.497	0.0	53	7503	4.26	
114 Dicyclopentadiene	66	15.014	15.014	0.0	96	110262	5.12	
113 1,2,3-Trimethylbenzene	105	15.032	15.032	0.0	46	90181	4.90	
118 1,3,5-Trichlorobenzene	180	16.687	16.687	0.0	90	41683	4.75	

Report Date: 19-Aug-2011 07:37:41

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4560.D

Injection Date: 18-Aug-2011 19:15:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 27944

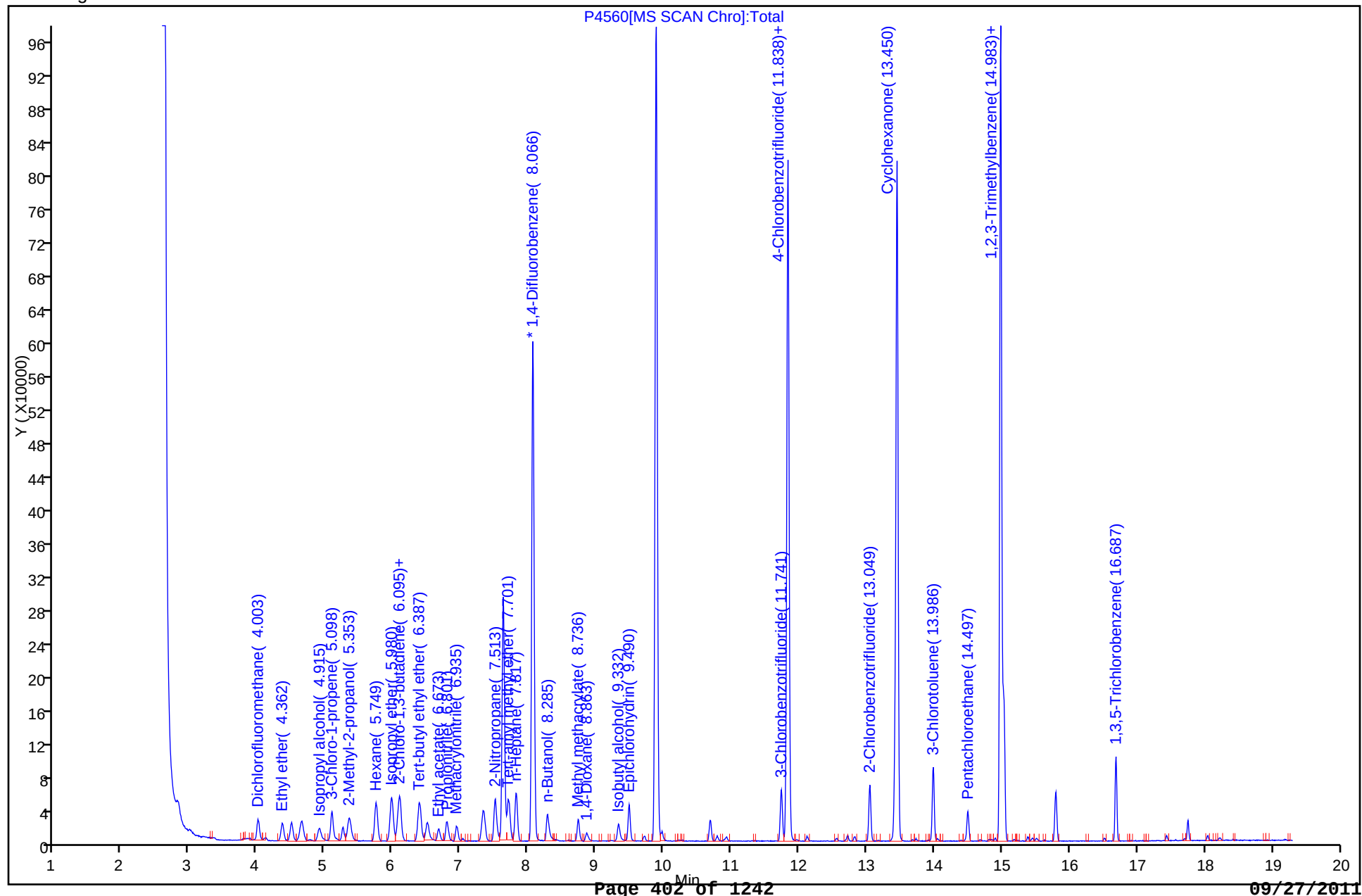
Lims Sample ID: 13

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4561.D
 Lims ID: STD8 Client ID:
 Inject. Date: 18-Aug-2011 19:41:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: STD8
 Misc. Info.: 480-0005370-014 =480-0005370-014
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 14
 Lims Batch ID: 27944 Lims Sample ID: 14
 Sublist: chrom-P-8260 Soil*sub5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P-8260 Soil.m
 Last Update: 19-Aug-2011 07:37:59 Calib Date: 18-Aug-2011 21:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4565.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 19-Aug-2011 07:37:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.066	8.066	0.0	94	664330	50.0	
* 2 Chlorobenzene-d5	82	11.838	11.838	0.0	84	297895	50.0	
* 3 1,4-Dichlorobenzene-d4	152	14.983	14.983	0.0	94	319528	50.0	
15 Chlorodifluoromethane	51	2.834	2.828	0.006	67	50517	10.5	
19 Dichlorofluoromethane	67	4.009	4.008	0.001	80	89491	10.4	
20 Ethyl ether	59	4.367	4.361	0.006	95	40412	10.2	
23 Isopropyl alcohol	45	4.909	4.897	0.012	96	79280	202.0	
28 3-Chloro-1-propene	41	5.098	5.091	0.007	87	75010	10.5	
33 2-Methyl-2-propanol	59	5.359	5.341	0.018	96	119511	197.6	
36 Hexane	57	5.748	5.748	0.0	92	69653	10.3	
37 Isopropyl ether	45	5.980	5.973	0.007	96	168268	10.3	
39 1,1-Dimethoxyethane	75	6.077	6.071	0.006	88	36715	46.6	
41 2-Chloro-1,3-butadiene	53	6.101	6.101	0.0	90	67671	10.2	
26 Propene oxide	58		6.211					
42 Tert-butyl ethyl ether	59	6.393	6.387	0.006	99	142696	10.0	
46 Ethyl acetate	43	6.679	6.667	0.012	94	44543	10.3	
47 Propionitrile	54	6.795	6.789	0.006	97	75508	103.6	
48 Methacrylonitrile	41	6.941	6.941	0.0	89	29082	10.1	
72 2-Nitropropane	43	7.507	7.500	0.007	83	106807	51.0	
58 Tert-amyl methyl ether	73	7.707	7.707	0.0	95	116334	9.63	
59 n-Heptane	43	7.823	7.817	0.006	91	78995	10.6	
61 n-Butanol	56	8.279	8.273	0.006	90	58362	362.6	
65 Methyl methacrylate	41	8.736	8.735	0.001	87	39627	10.1	
68 1,4-Dioxane	88	8.857	8.857	0.0	91	23039	393.6	
53 Isobutyl alcohol	43	9.332	9.332	0.0	55	34619	262.9	
74 Epichlorohydrin	57	9.490	9.484	0.006	97	98122	202.7	
84 3-Chlorobenzotrifluoride	180	11.741	11.741	0.0	84	71109	9.86	
86 4-Chlorobenzotrifluoride	180	11.820	11.820	0.0	54	70421	9.88	
91 2-Chlorobenzotrifluoride	180	13.049	13.049	0.0	94	71304	9.72	
96 Cyclohexanone	55	13.426	13.420	0.006	92	135301	105.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
104 3-Chlorotoluene	126	13.986	13.986	0.0	95	50378	9.73	
108 Pentachloroethane	167	14.497	14.497	0.0	66	16258	9.71	
114 Dicyclopentadiene	66	15.014	15.014	0.0	97	213468	10.4	
113 1,2,3-Trimethylbenzene	105	15.032	15.032	0.0	65	175103	10.0	
118 1,3,5-Trichlorobenzene	180	16.687	16.687	0.0	92	79827	9.58	

Report Date: 19-Aug-2011 07:37:59

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4561.D

Injection Date: 18-Aug-2011 19:41:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 27944

Lims Sample ID: 14

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4562.D
 Lims ID: STD9 Client ID:
 Inject. Date: 18-Aug-2011 20:06:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: STD9
 Misc. Info.: 480-0005370-015 =480-0005370-015
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 15
 Lims Batch ID: 27944 Lims Sample ID: 15
 Sublist: chrom-P-8260 Soil*sub5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P-8260 Soil.m
 Last Update: 19-Aug-2011 07:38:12 Calib Date: 18-Aug-2011 21:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4565.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 19-Aug-2011 07:38:12

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.066	8.066	0.0	94	652976	50.0	
* 2 Chlorobenzene-d5	82	11.838	11.838	0.0	84	294056	50.0	
* 3 1,4-Dichlorobenzene-d4	152	14.983	14.983	0.0	94	321081	50.0	
15 Chlorodifluoromethane	51	2.835	2.828	0.007	72	93954	19.9	
19 Dichlorofluoromethane	67	4.009	4.008	0.001	82	172564	20.3	
20 Ethyl ether	59	4.362	4.361	0.001	95	79255	20.4	
23 Isopropyl alcohol	45	4.915	4.897	0.018	97	157262	407.7	
28 3-Chloro-1-propene	41	5.098	5.091	0.007	89	140670	20.1	
33 2-Methyl-2-propanol	59	5.353	5.341	0.012	98	240513	404.5	
36 Hexane	57	5.755	5.748	0.007	92	133993	20.1	
37 Isopropyl ether	45	5.974	5.973	0.001	98	327613	20.4	
39 1,1-Dimethoxyethane	75	6.077	6.071	0.006	68	75675	97.7	
41 2-Chloro-1,3-butadiene	53	6.108	6.101	0.007	89	131196	20.1	
26 Propene oxide	58		6.211					
42 Tert-butyl ethyl ether	59	6.393	6.387	0.006	99	285481	20.3	
46 Ethyl acetate	43	6.673	6.667	0.006	94	85697	20.1	
47 Propionitrile	54	6.795	6.789	0.006	98	145982	203.9	
48 Methacrylonitrile	41	6.941	6.941	0.0	91	57940	20.5	
72 2-Nitropropane	43	7.507	7.500	0.007	84	213444	101.4	
58 Tert-amyl methyl ether	73	7.708	7.707	0.001	96	238122	20.0	
59 n-Heptane	43	7.823	7.817	0.006	94	152207	20.8	
61 n-Butanol	56	8.279	8.273	0.006	90	127007	802.9	
65 Methyl methacrylate	41	8.736	8.735	0.001	90	77624	20.1	
68 1,4-Dioxane	88	8.857	8.857	0.0	94	45981	795.9	
53 Isobutyl alcohol	43	9.332	9.332	0.0	59	78675	607.8	
74 Epichlorohydrin	57	9.490	9.484	0.006	98	197711	415.6	
84 3-Chlorobenzotrifluoride	180	11.741	11.741	0.0	89	141064	19.5	
86 4-Chlorobenzotrifluoride	180	11.820	11.820	0.0	68	136853	19.1	
91 2-Chlorobenzotrifluoride	180	13.049	13.049	0.0	97	143635	19.5	
96 Cyclohexanone	55	13.420	13.420	0.0	93	266136	207.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
104 3-Chlorotoluene	126	13.986	13.986	0.0	96	101679	19.5	
108 Pentachloroethane	167	14.497	14.497	0.0	78	31700	18.8	
114 Dicyclopentadiene	66	15.014	15.014	0.0	97	423541	20.6	
113 1,2,3-Trimethylbenzene	105	15.032	15.032	0.0	69	349527	19.9	
118 1,3,5-Trichlorobenzene	180	16.687	16.687	0.0	93	160684	19.2	

Report Date: 19-Aug-2011 07:38:12

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4562.D

Injection Date: 18-Aug-2011 20:06:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 27944

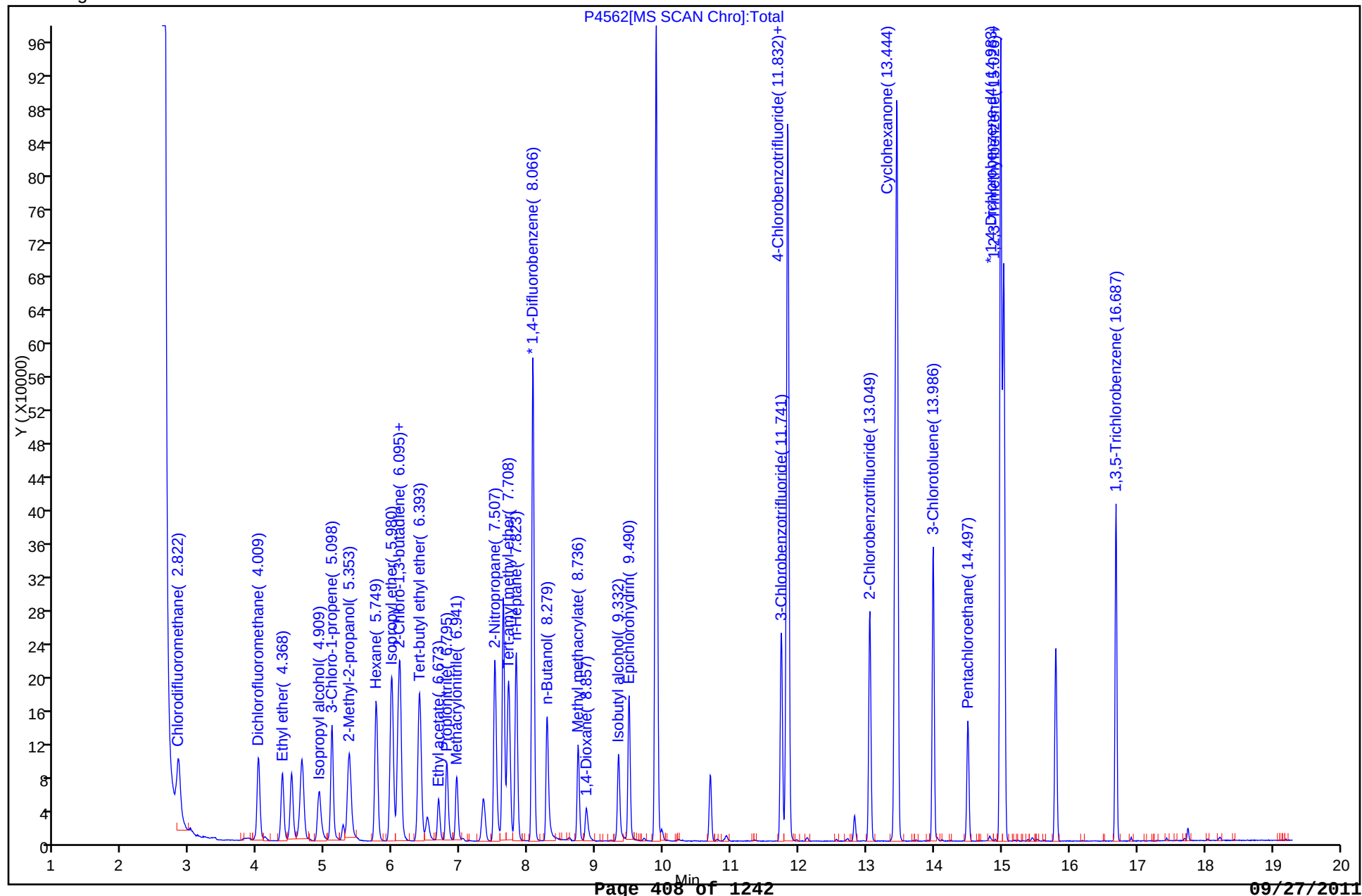
Lims Sample ID: 15

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4563.D
 Lims ID: STD10 Client ID:
 Inject. Date: 18-Aug-2011 20:32:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: STD10
 Misc. Info.: 480-0005370-016 =480-0005370-016
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 16
 Lims Batch ID: 27944 Lims Sample ID: 16
 Sublist: chrom-P-8260 Soil*sub5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P-8260 Soil.m
 Last Update: 19-Aug-2011 07:35:18 Calib Date: 18-Aug-2011 21:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4565.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 19-Aug-2011 07:35:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.066	8.066	0.0	94	678319	50.0	
* 2 Chlorobenzene-d5	82	11.838	11.838	0.0	84	302693	50.0	
* 3 1,4-Dichlorobenzene-d4	152	14.983	14.983	0.0	94	328791	50.0	
15 Chlorodifluoromethane	51	2.828	2.828	0.0	77	258737	52.9	
19 Dichlorofluoromethane	67	4.008	4.008	0.0	83	456700	51.8	
20 Ethyl ether	59	4.361	4.361	0.0	96	202046	50.1	
23 Isopropyl alcohol	45	4.897	4.897	0.0	98	407328	1016.5	
28 3-Chloro-1-propene	41	5.091	5.091	0.0	90	364365	50.1	
33 2-Methyl-2-propanol	59	5.341	5.341	0.0	99	634386	1027.0	
36 Hexane	57	5.748	5.748	0.0	93	355219	51.3	
37 Isopropyl ether	45	5.973	5.973	0.0	97	858566	51.5	
39 1,1-Dimethoxyethane	75	6.071	6.071	0.0	67	212141	263.7	
41 2-Chloro-1,3-butadiene	53	6.101	6.101	0.0	89	356155	52.5	
26 Propene oxide	58		6.211					
42 Tert-butyl ethyl ether	59	6.387	6.387	0.0	99	744417	51.1	
46 Ethyl acetate	43	6.667	6.667	0.0	99	217319	49.0	
47 Propionitrile	54	6.789	6.789	0.0	100	379458	510.1	
48 Methacrylonitrile	41	6.941	6.941	0.0	93	152964	52.1	
72 2-Nitropropane	43	7.500	7.500	0.0	84	575410	267.0	
58 Tert-amyl methyl ether	73	7.707	7.707	0.0	96	634195	51.4	
59 n-Heptane	43	7.817	7.817	0.0	95	395344	51.9	
61 n-Butanol	56	8.273	8.273	0.0	90	357529	2175.8	
65 Methyl methacrylate	41	8.735	8.735	0.0	90	206970	51.7	
68 1,4-Dioxane	88	8.857	8.857	0.0	91	124721	2097.2	
53 Isobutyl alcohol	43	9.332	9.332	0.0	62	250531	1863.0	
74 Epichlorohydrin	57	9.484	9.484	0.0	98	515123	1042.3	
84 3-Chlorobenzotrifluoride	180	11.741	11.741	0.0	94	384180	51.7	
86 4-Chlorobenzotrifluoride	180	11.820	11.820	0.0	94	383986	52.3	
91 2-Chlorobenzotrifluoride	180	13.049	13.049	0.0	98	392670	52.0	
96 Cyclohexanone	55	13.420	13.420	0.0	93	691261	525.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
104 3-Chlorotoluene	126	13.986	13.986	0.0	96	277361	52.1	
108 Pentachloroethane	167	14.497	14.497	0.0	83	91832	53.3	
114 Dicyclopentadiene	66	15.014	15.014	0.0	97	1136138	54.0	
113 1,2,3-Trimethylbenzene	105	15.032	15.032	0.0	81	952886	53.0	
118 1,3,5-Trichlorobenzene	180	16.687	16.687	0.0	95	440490	51.4	

Report Date: 19-Aug-2011 07:35:19

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4563.D

Injection Date: 18-Aug-2011 20:32:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 27944

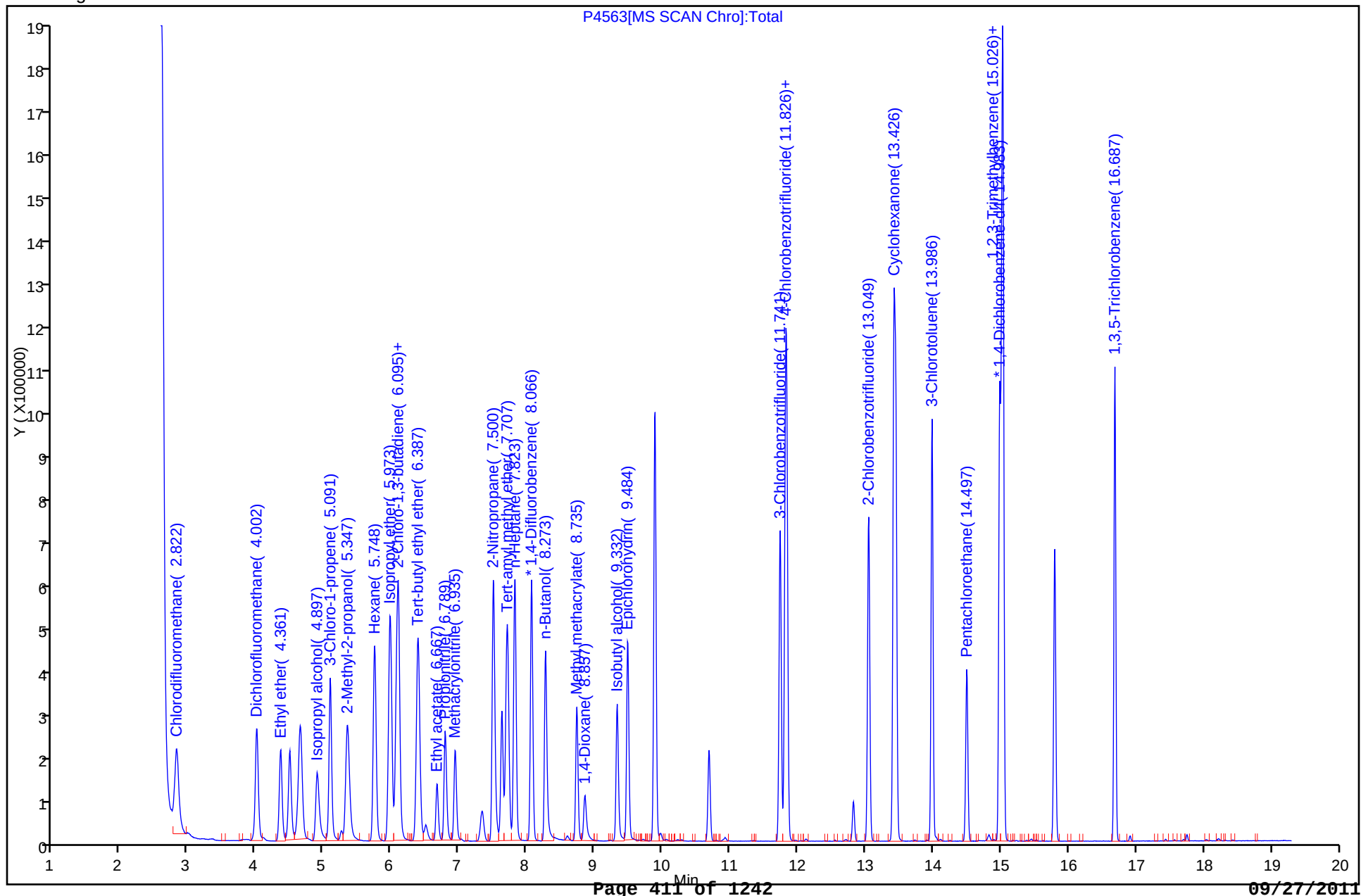
Lims Sample ID: 16

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4564.D
 Lims ID: STD11 Client ID:
 Inject. Date: 18-Aug-2011 20:57:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: STD11
 Misc. Info.: 480-0005370-017 =480-0005370-017
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 17
 Lims Batch ID: 27944 Lims Sample ID: 17
 Sublist: chrom-P-8260 Soil*sub5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P-8260 Soil.m
 Last Update: 19-Aug-2011 07:38:46 Calib Date: 18-Aug-2011 21:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4565.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 19-Aug-2011 07:38:46

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.066	8.066	0.0	94	701789	50.0	
* 2 Chlorobenzene-d5	82	11.838	11.838	0.0	83	312029	50.0	
* 3 1,4-Dichlorobenzene-d4	152	14.983	14.983	0.0	94	349263	50.0	
15 Chlorodifluoromethane	51	2.835	2.828	0.007	77	496421	98.0	
19 Dichlorofluoromethane	67	4.015	4.008	0.007	83	906643	99.4	
20 Ethyl ether	59	4.368	4.361	0.007	95	415073	99.5	
23 Isopropyl alcohol	45	4.909	4.897	0.012	99	831250	2005.0	
28 3-Chloro-1-propene	41	5.098	5.091	0.007	91	730380	97.0	
33 2-Methyl-2-propanol	59	5.353	5.341	0.012	99	1296291	2028.4	
36 Hexane	57	5.755	5.748	0.007	94	695157	97.0	
37 Isopropyl ether	45	5.980	5.973	0.007	97	1724093	100.0	
39 1,1-Dimethoxyethane	75	6.077	6.071	0.006	62	451072	541.9	
41 2-Chloro-1,3-butadiene	53	6.108	6.101	0.007	88	713835	101.7	
26 Propene oxide	58		6.211					
42 Tert-butyl ethyl ether	59	6.393	6.387	0.006	99	1538806	102.0	
46 Ethyl acetate	43	6.673	6.667	0.006	99	431342	94.1	
47 Propionitrile	54	6.795	6.789	0.006	99	763313	991.9	
48 Methacrylonitrile	41	6.941	6.941	0.0	94	304229	100.2	
72 2-Nitropropane	43	7.507	7.500	0.007	90	1130932	494.1	
58 Tert-amyl methyl ether	73	7.714	7.707	0.007	97	1330865	104.3	
59 n-Heptane	43	7.823	7.817	0.006	94	772914	98.1	
61 n-Butanol	56	8.273	8.273	0.0	89	719536	4232.3	
65 Methyl methacrylate	41	8.736	8.735	0.001	91	422028	101.9	
68 1,4-Dioxane	88	8.857	8.857	0.0	92	249331	4067.1	
53 Isobutyl alcohol	43	9.332	9.332	0.0	69	560277	4027.1	
74 Epichlorohydrin	57	9.490	9.484	0.006	98	1031653	2017.7	
84 3-Chlorobenzotrifluoride	180	11.741	11.741	0.0	93	796001	100.9	
86 4-Chlorobenzotrifluoride	180	11.820	11.820	0.0	94	773052	99.2	
91 2-Chlorobenzotrifluoride	180	13.049	13.049	0.0	98	813857	101.5	
96 Cyclohexanone	55	13.420	13.420	0.0	92	1309791	937.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
104 3-Chlorotoluene	126	13.986	13.986	0.0	95	581873	102.8	
108 Pentachloroethane	167	14.497	14.497	0.0	84	189287	103.5	
114 Dicyclopentadiene	66	15.014	15.014	0.0	97	2200438	98.4	
113 1,2,3-Trimethylbenzene	105	15.032	15.032	0.0	88	1976964	103.5	
118 1,3,5-Trichlorobenzene	180	16.687	16.687	0.0	92	950215	104.4	

Report Date: 19-Aug-2011 07:38:46

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4564.D

Injection Date: 18-Aug-2011 20:57:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 27944

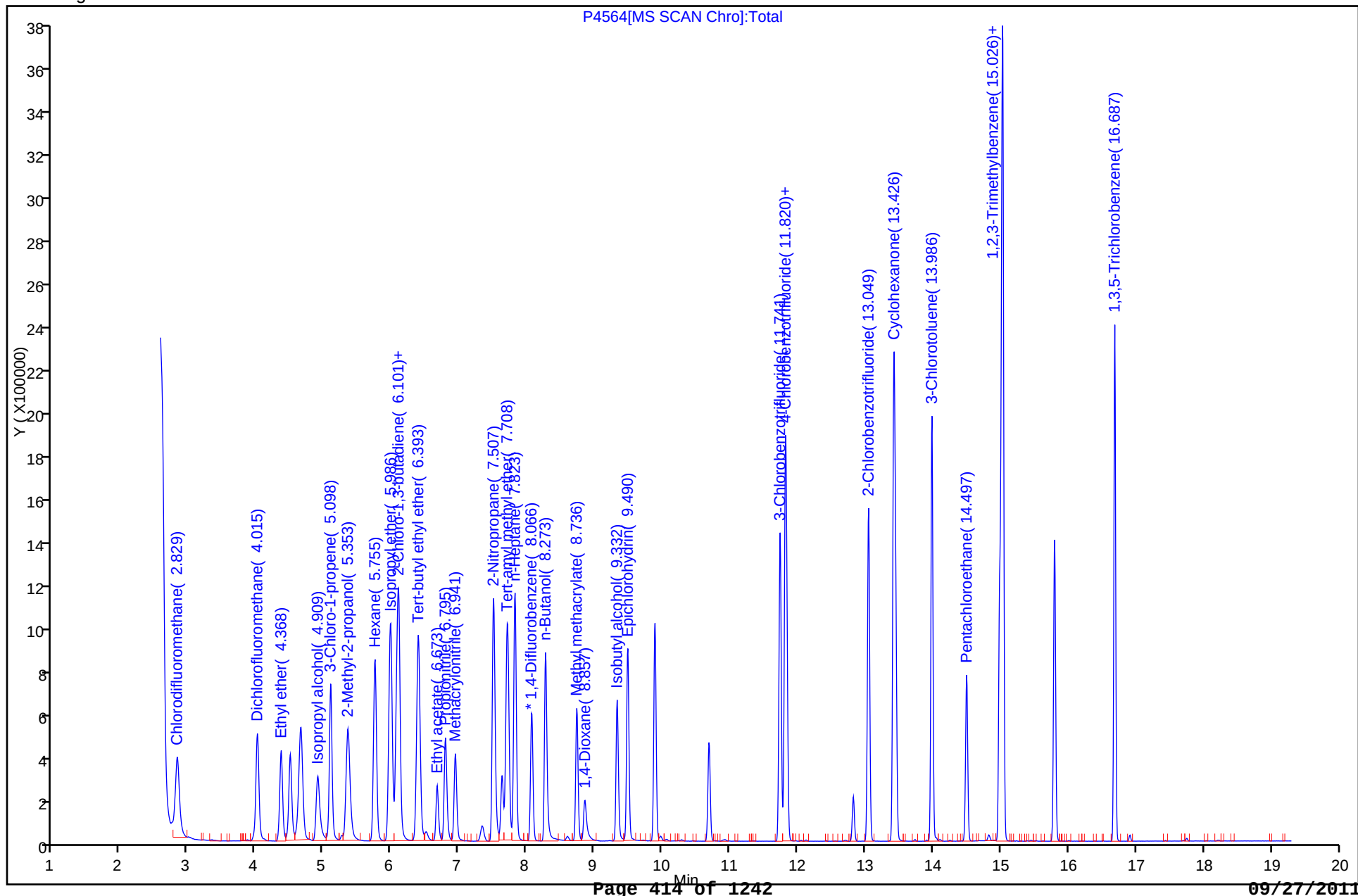
Lims Sample ID: 17

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4565.D
 Lims ID: STD12 Client ID:
 Inject. Date: 18-Aug-2011 21:23:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: STD12
 Misc. Info.: 480-0005370-018 =480-0005370-018
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 18
 Lims Batch ID: 27944 Lims Sample ID: 18
 Sublist: chrom-P-8260 Soil*sub5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P-8260 Soil.m
 Last Update: 19-Aug-2011 07:38:53 Calib Date: 18-Aug-2011 21:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4565.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 19-Aug-2011 07:38:53

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.066	8.066	0.0	94	781414	50.0	
* 2 Chlorobenzene-d5	82	11.838	11.838	0.0	83	345177	50.0	
* 3 1,4-Dichlorobenzene-d4	152	14.983	14.983	0.0	94	378389	50.0	
15 Chlorodifluoromethane	51	2.834	2.828	0.006	78	1026269	182.0	
19 Dichlorofluoromethane	67	4.015	4.008	0.007	82	1844034	181.6	
20 Ethyl ether	59	4.361	4.361	0.0	95	879792	189.4	
23 Isopropyl alcohol	45	4.909	4.897	0.012	99	1740171	3769.6	
28 3-Chloro-1-propene	41	5.097	5.091	0.006	92	1509470	180.1	
33 2-Methyl-2-propanol	59	5.353	5.341	0.012	99	2750377	3865.2	
36 Hexane	57	5.748	5.748	0.0	93	1448079	181.5	
37 Isopropyl ether	45	5.980	5.973	0.007	95	3463754	180.5	
39 1,1-Dimethoxyethane	75	6.077	6.071	0.006	63	999414	1078.3	
41 2-Chloro-1,3-butadiene	53	6.101	6.101	0.0	87	1476387	188.8	
26 Propene oxide	58	6.241	6.211	0.030	62	110	1000.0	
42 Tert-butyl ethyl ether	59	6.393	6.387	0.006	98	3182016	189.4	
46 Ethyl acetate	43	6.673	6.667	0.006	99	903662	177.0	
47 Propionitrile	54	6.795	6.789	0.006	99	1577637	1841.1	
48 Methacrylonitrile	41	6.941	6.941	0.0	92	637577	188.6	
72 2-Nitropropane	43	7.507	7.500	0.007	91	2305586	929.7	
58 Tert-amyl methyl ether	73	7.713	7.707	0.006	98	2807529	197.5	
59 n-Heptane	43	7.823	7.817	0.006	91	1551611	176.8	
61 n-Butanol	56	8.273	8.273	0.0	88	1559333	8237.4	
65 Methyl methacrylate	41	8.735	8.735	0.0	90	878372	190.4	
68 1,4-Dioxane	88	8.857	8.857	0.0	91	542889	8005.2	
53 Isobutyl alcohol	43	9.332	9.332	0.0	72	1246914	8049.1	
74 Epichlorohydrin	57	9.490	9.484	0.006	98	2080906	3655.1	
84 3-Chlorobenzotrifluoride	180	11.741	11.741	0.0	90	1776889	208.0	
86 4-Chlorobenzotrifluoride	180	11.820	11.820	0.0	94	1731574	205.0	
91 2-Chlorobenzotrifluoride	180	13.049	13.049	0.0	97	1813497	208.8	
96 Cyclohexanone	55	13.420	13.420	0.0	90	2673421	1766.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
104 3-Chlorotoluene	126	13.986	13.986	0.0	94	1261098	205.7	
108 Pentachloroethane	167	14.497	14.497	0.0	86	449223	226.7	
114 Dicyclopentadiene	66	15.014	15.014	0.0	96	4074805	168.1	
113 1,2,3-Trimethylbenzene	105	15.032	15.032	0.0	95	3836740	185.4	
118 1,3,5-Trichlorobenzene	180	16.687	16.687	0.0	94	2090577	211.9	

Report Date: 19-Aug-2011 07:38:53

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4565.D

Injection Date: 18-Aug-2011 21:23:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 27944

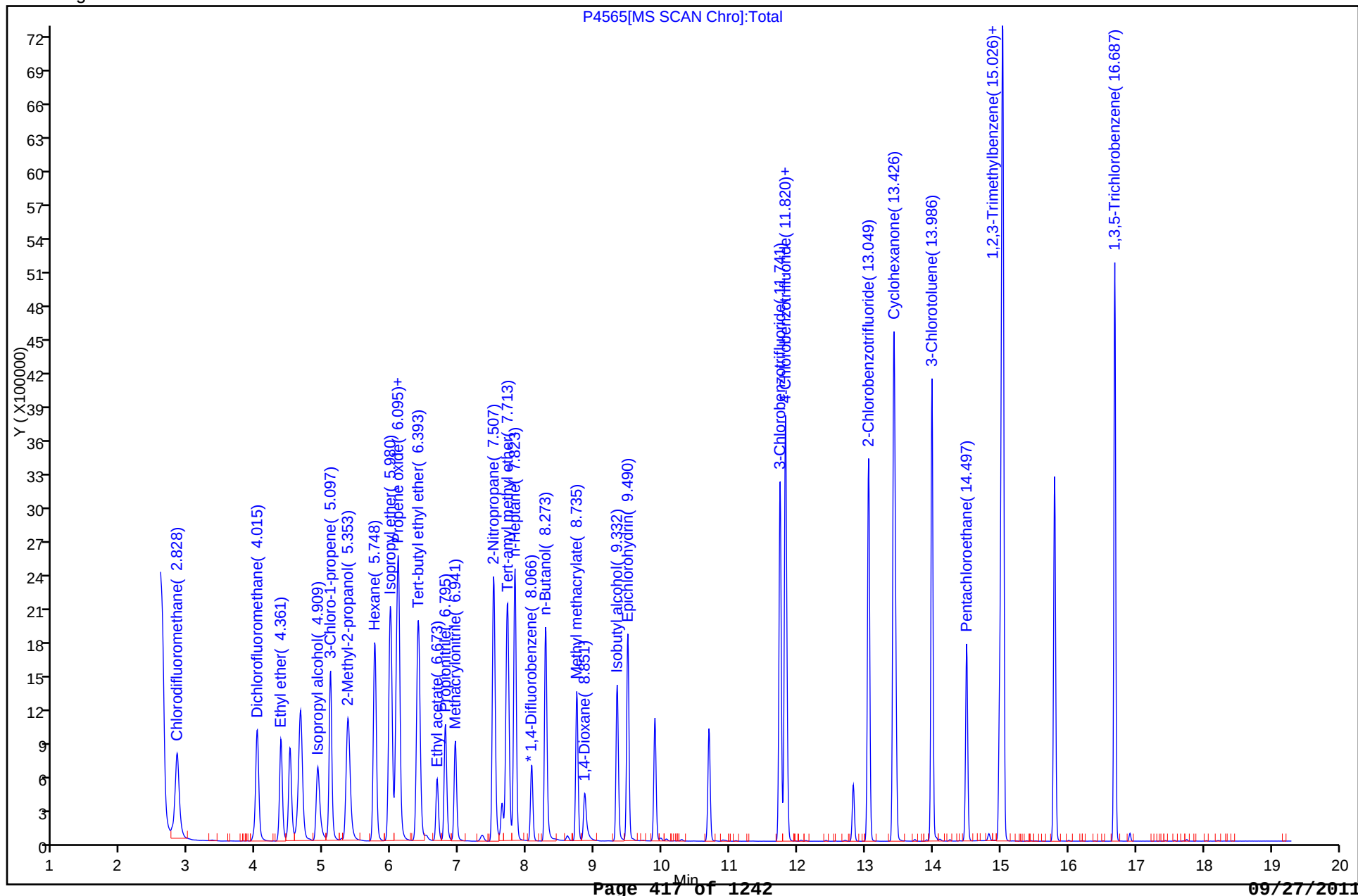
Lims Sample ID: 18

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-30731/2 Calibration Date: 09/10/2011 13:06

Instrument ID: HP5973F Calib Start Date: 09/01/2011 13:30

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/01/2011 15:38

Lab File ID: F3808.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2499	0.2376		47.5	50.0	-4.9	50.0
Chloromethane	Ave	0.2882	0.3008	0.1000	52.2	50.0	4.4	50.0
Vinyl chloride	Ave	0.2347	0.2503		53.3	50.0	6.6	20.0
Bromomethane	QuaF		0.0639		61.6	50.0	23.2	50.0
Chloroethane	Ave	0.0748	0.0849		56.7	50.0	13.5	50.0
Trichlorofluoromethane	Ave	0.2338	0.2709		57.9	50.0	15.9	50.0
Acrolein	Ave	0.0093	0.0075		798	1000	-20.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2140	0.2163		50.5	50.0	1.1	50.0
1,1-Dichloroethene	Ave	0.2275	0.2251	0.1000	49.5	50.0	-1.1	20.0
Acetone	Ave	0.1169	0.1116		239	250	-4.5	50.0
Iodomethane	Ave	0.3042	0.2941		48.4	50.0	-3.3	50.0
Carbon disulfide	Ave	0.6158	0.5886		47.8	50.0	-4.4	50.0
Methyl acetate	Ave	0.4745	0.4453		46.9	50.0	-6.2	50.0
Acetonitrile	Ave	0.0243	0.0244		2010	2000	0.4	50.0
Methylene Chloride	LinF		0.2531		49.9	50.0	-0.2	50.0
Methyl tert-butyl ether	Ave	0.8322	0.7849		47.2	50.0	-5.7	50.0
trans-1,2-Dichloroethene	Ave	0.2546	0.2549		50.1	50.0	0.1	50.0
Acrylonitrile	Ave	0.1255	0.1230		245	250	-2.0	50.0
Vinyl acetate	Ave	0.5473	0.5319		243	250	-2.8	50.0
1,1-Dichloroethane	Ave	0.4637	0.4673		50.4	50.0	0.8	50.0
2,2-Dichloropropane	Ave	0.3590	0.3433		47.8	50.0	-4.4	50.0
2-Butanone (MEK)	Ave	0.1850	0.1804		244	250	-2.5	50.0
cis-1,2-Dichloroethene	Ave	0.2872	0.2785		48.5	50.0	-3.1	50.0
Bromochloromethane	Ave	0.1556	0.1507		48.4	50.0	-3.2	50.0
Tetrahydrofuran	Ave	0.1187	0.1160		244	250	-2.2	50.0
Chloroform	Ave	0.4539	0.4437		48.9	50.0	-2.2	20.0
1,1,1-Trichloroethane	Ave	0.3909	0.3700		47.3	50.0	-5.3	50.0
Cyclohexane	Ave	0.4458	0.4417		49.5	50.0	-0.9	50.0
1,1-Dichloropropene	Ave	0.3479	0.3441		49.5	50.0	-1.1	50.0
Carbon tetrachloride	Ave	0.3463	0.3148		45.4	50.0	-9.1	50.0
Benzene	Ave	0.998	0.9754		48.9	50.0	-2.3	50.0
1,2-Dichloroethane	Ave	0.4091	0.4154		50.8	50.0	1.5	50.0
Trichloroethene	Ave	0.2714	0.2635		48.5	50.0	-2.9	50.0
Methylcyclohexane	Ave	0.4197	0.4009		47.8	50.0	-4.5	50.0
1,2-Dichloropropane	Ave	0.2692	0.2618		48.6	50.0	-2.7	20.0
Dibromomethane	Lin1F		0.1613		49.0	50.0	-2.0	50.0
Bromodichloromethane	Ave	0.3299	0.3132		47.5	50.0	-5.1	50.0
2-Chloroethyl vinyl ether	Ave	0.1900	0.1815		239	250	-4.5	50.0
cis-1,3-Dichloropropene	Ave	0.4236	0.4037		47.6	50.0	-4.7	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7887	0.7739		245	250	-1.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-30731/2 Calibration Date: 09/10/2011 13:06

Instrument ID: HP5973F Calib Start Date: 09/01/2011 13:30

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/01/2011 15:38

Lab File ID: F3808.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene	Ave	1.520	1.404		46.2	50.0	-7.6	20.0
Ethyl methacrylate	Ave	0.8206	0.7426		45.2	50.0	-9.5	50.0
trans-1,3-Dichloropropene	Ave	0.8632	0.8188		47.4	50.0	-5.1	50.0
1,1,2-Trichloroethane	Ave	0.4286	0.4121		48.1	50.0	-3.8	50.0
Tetrachloroethene	Ave	0.6517	0.6312		48.4	50.0	-3.2	50.0
1,3-Dichloropropane	Ave	0.8929	0.8659		48.5	50.0	-3.0	50.0
2-Hexanone	Ave	0.5863	0.5762		246	250	-1.7	50.0
Dibromochloromethane	Ave	0.5848	0.5582		47.7	50.0	-4.5	50.0
1,2-Dibromoethane	Ave	0.5928	0.5570		47.0	50.0	-6.1	50.0
Chlorobenzene	Ave	1.703	1.618	0.3000	47.5	50.0	-5.0	50.0
Ethylbenzene	Ave	2.750	2.629		47.8	50.0	-4.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5719	0.5354		46.8	50.0	-6.4	50.0
m,p-Xylene	Ave	1.134	1.076		94.9	100	-5.1	50.0
o-Xylene	Ave	1.104	1.039		47.1	50.0	-5.9	50.0
Styrene	Ave	1.907	1.808		47.4	50.0	-5.2	50.0
Bromoform	Lin1F		0.3154	0.1000	39.9	50.0	-20.2	50.0
Isopropylbenzene	Ave	2.572	2.468		48.0	50.0	-4.0	50.0
1,1,2,2-Tetrachloroethane	Ave	0.6370	0.6070	0.3000	47.6	50.0	-4.7	50.0
Bromobenzene	Ave	0.6997	0.6691		47.8	50.0	-4.4	50.0
N-Propylbenzene	Ave	2.983	2.959		49.6	50.0	-0.8	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2247	0.2223		247	250	-1.1	50.0
1,2,3-Trichloropropane	Ave	0.2195	0.2164		49.3	50.0	-1.4	50.0
2-Chlorotoluene	Ave	0.6427	0.6269		48.8	50.0	-2.4	50.0
1,3,5-Trimethylbenzene	Ave	2.169	2.107		48.6	50.0	-2.9	50.0
4-Chlorotoluene	Ave	0.6899	0.6659		48.3	50.0	-3.5	50.0
tert-Butylbenzene	Ave	0.4933	0.4752		48.2	50.0	-3.7	50.0
1,2,4-Trimethylbenzene	Ave	2.228	2.132		47.9	50.0	-4.3	50.0
sec-Butylbenzene	Ave	2.745	2.674		48.7	50.0	-2.6	50.0
4-Isopropyltoluene	Ave	2.379	2.318		48.7	50.0	-2.6	50.0
1,3-Dichlorobenzene	Ave	1.334	1.266		47.5	50.0	-5.1	50.0
1,4-Dichlorobenzene	Ave	1.350	1.283		47.5	50.0	-5.0	50.0
n-Butylbenzene	Ave	2.050	1.973		48.1	50.0	-3.7	50.0
1,2-Dichlorobenzene	Ave	1.281	1.193		46.5	50.0	-6.9	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1211	0.1123		46.4	50.0	-7.3	50.0
1,2,4-Trichlorobenzene	Ave	0.8233	0.7566		45.9	50.0	-8.1	50.0
Hexachlorobutadiene	Ave	0.3932	0.3724		47.4	50.0	-5.3	50.0
Naphthalene	Ave	2.309	2.033		44.0	50.0	-11.9	50.0
1,2,3-Trichlorobenzene	Ave	0.7463	0.6874		46.1	50.0	-7.9	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1755	0.1642		46.8	50.0	-6.5	50.0
Toluene-d8 (Surr)	Ave	2.284	2.203		48.2	50.0	-3.5	50.0
4-Bromofluorobenzene (Surr)	Ave	0.8003	0.7513		46.9	50.0	-6.1	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-31837/2 Calibration Date: 09/10/2011 13:06

Instrument ID: HP5973F Calib Start Date: 09/01/2011 13:30

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/01/2011 15:38

Lab File ID: F3808A.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2499	0.2376		47.5	50.0	-4.9	50.0
Chloromethane	Ave	0.2882	0.3008	0.1000	52.2	50.0	4.4	50.0
Vinyl chloride	Ave	0.2347	0.2503		53.3	50.0	6.6	20.0
Bromomethane	QuaF		0.0639		61.6	50.0	23.2	50.0
Chloroethane	Ave	0.0748	0.0849		56.7	50.0	13.5	50.0
Trichlorofluoromethane	Ave	0.2338	0.2709		57.9	50.0	15.9	50.0
Acrolein	Ave	0.0093	0.0075		798	1000	-20.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2140	0.2163		50.5	50.0	1.1	50.0
1,1-Dichloroethene	Ave	0.2275	0.2251	0.1000	49.5	50.0	-1.1	20.0
Acetone	Ave	0.1169	0.1116		239	250	-4.5	50.0
Iodomethane	Ave	0.3042	0.2941		48.4	50.0	-3.3	50.0
Carbon disulfide	Ave	0.6158	0.5886		47.8	50.0	-4.4	50.0
Methyl acetate	Ave	0.4745	0.4453		46.9	50.0	-6.2	50.0
Acetonitrile	Ave	0.0243	0.0244		2010	2000	0.4	50.0
Methylene Chloride	LinF		0.2531		49.9	50.0	-0.2	50.0
Methyl tert-butyl ether	Ave	0.8322	0.7855		47.2	50.0	-5.6	50.0
trans-1,2-Dichloroethene	Ave	0.2546	0.2549		50.1	50.0	0.1	50.0
Acrylonitrile	Ave	0.1255	0.1230		245	250	-2.0	50.0
Vinyl acetate	Ave	0.5473	0.5319		243	250	-2.8	50.0
1,1-Dichloroethane	Ave	0.4637	0.4673		50.4	50.0	0.8	50.0
2,2-Dichloropropane	Ave	0.3590	0.3433		47.8	50.0	-4.4	50.0
2-Butanone (MEK)	Ave	0.1850	0.1804		244	250	-2.5	50.0
cis-1,2-Dichloroethene	Ave	0.2872	0.2785		48.5	50.0	-3.1	50.0
Bromochloromethane	Ave	0.1556	0.1507		48.4	50.0	-3.2	50.0
Tetrahydrofuran	Ave	0.1187	0.1160		244	250	-2.2	50.0
Chloroform	Ave	0.4539	0.4437		48.9	50.0	-2.2	20.0
1,1,1-Trichloroethane	Ave	0.3909	0.3700		47.3	50.0	-5.3	50.0
Cyclohexane	Ave	0.4458	0.4417		49.5	50.0	-0.9	50.0
1,1-Dichloropropene	Ave	0.3479	0.3441		49.5	50.0	-1.1	50.0
Carbon tetrachloride	Ave	0.3463	0.3148		45.4	50.0	-9.1	50.0
Benzene	Ave	0.998	0.9754		48.9	50.0	-2.3	50.0
1,2-Dichloroethane	Ave	0.4091	0.4154		50.8	50.0	1.5	50.0
Trichloroethene	Ave	0.2714	0.2635		48.5	50.0	-2.9	50.0
Methylcyclohexane	Ave	0.4197	0.4009		47.8	50.0	-4.5	50.0
1,2-Dichloropropane	Ave	0.2692	0.2618		48.6	50.0	-2.7	20.0
Dibromomethane	Lin1F		0.1613		49.0	50.0	-2.0	50.0
Bromodichloromethane	Ave	0.3299	0.3132		47.5	50.0	-5.1	50.0
2-Chloroethyl vinyl ether	Ave	0.1900	0.1815		239	250	-4.5	50.0
cis-1,3-Dichloropropene	Ave	0.4236	0.4037		47.6	50.0	-4.7	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7887	0.7739		245	250	-1.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-31837/2 Calibration Date: 09/10/2011 13:06

Instrument ID: HP5973F Calib Start Date: 09/01/2011 13:30

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/01/2011 15:38

Lab File ID: F3808A.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene	Ave	1.520	1.404		46.2	50.0	-7.6	20.0
Ethyl methacrylate	Ave	0.8206	0.7426		45.2	50.0	-9.5	50.0
trans-1,3-Dichloropropene	Ave	0.8632	0.8188		47.4	50.0	-5.1	50.0
1,1,2-Trichloroethane	Ave	0.4286	0.4121		48.1	50.0	-3.8	50.0
Tetrachloroethene	Ave	0.6517	0.6312		48.4	50.0	-3.2	50.0
1,3-Dichloropropane	Ave	0.8929	0.8659		48.5	50.0	-3.0	50.0
2-Hexanone	Ave	0.5863	0.5762		246	250	-1.7	50.0
Dibromochloromethane	Ave	0.5848	0.5582		47.7	50.0	-4.5	50.0
1,2-Dibromoethane	Ave	0.5928	0.5570		47.0	50.0	-6.1	50.0
Chlorobenzene	Ave	1.703	1.618	0.3000	47.5	50.0	-5.0	50.0
Ethylbenzene	Ave	2.750	2.629		47.8	50.0	-4.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5719	0.5354		46.8	50.0	-6.4	50.0
m,p-Xylene	Ave	1.134	1.076		94.9	100	-5.1	50.0
o-Xylene	Ave	1.104	1.039		47.1	50.0	-5.9	50.0
Styrene	Ave	1.907	1.808		47.4	50.0	-5.2	50.0
Bromoform	Lin1F		0.3154	0.1000	39.9	50.0	-20.2	50.0
Isopropylbenzene	Ave	2.572	2.468		48.0	50.0	-4.0	50.0
1,1,2,2-Tetrachloroethane	Ave	0.6370	0.6070	0.3000	47.6	50.0	-4.7	50.0
Bromobenzene	Ave	0.6997	0.6691		47.8	50.0	-4.4	50.0
N-Propylbenzene	Ave	2.983	2.959		49.6	50.0	-0.8	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2247	0.2223		247	250	-1.1	50.0
1,2,3-Trichloropropane	Ave	0.2195	0.2164		49.3	50.0	-1.4	50.0
2-Chlorotoluene	Ave	0.6427	0.6269		48.8	50.0	-2.4	50.0
1,3,5-Trimethylbenzene	Ave	2.169	2.107		48.6	50.0	-2.9	50.0
4-Chlorotoluene	Ave	0.6899	0.6659		48.3	50.0	-3.5	50.0
tert-Butylbenzene	Ave	0.4933	0.4752		48.2	50.0	-3.7	50.0
1,2,4-Trimethylbenzene	Ave	2.228	2.104		47.2	50.0	-5.6	50.0
sec-Butylbenzene	Ave	2.745	2.674		48.7	50.0	-2.6	50.0
4-Isopropyltoluene	Ave	2.379	2.318		48.7	50.0	-2.6	50.0
1,3-Dichlorobenzene	Ave	1.334	1.266		47.5	50.0	-5.1	50.0
1,4-Dichlorobenzene	Ave	1.350	1.283		47.5	50.0	-5.0	50.0
n-Butylbenzene	Ave	2.050	1.973		48.1	50.0	-3.7	50.0
1,2-Dichlorobenzene	Ave	1.281	1.193		46.5	50.0	-6.9	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1211	0.1123		46.4	50.0	-7.3	50.0
1,2,4-Trichlorobenzene	Ave	0.8233	0.7566		45.9	50.0	-8.1	50.0
Hexachlorobutadiene	Ave	0.3932	0.3724		47.4	50.0	-5.3	50.0
Naphthalene	Ave	2.309	2.033		44.0	50.0	-11.9	50.0
1,2,3-Trichlorobenzene	Ave	0.7463	0.6874		46.1	50.0	-7.9	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1755	0.1642		46.8	50.0	-6.5	50.0
Toluene-d8 (Surr)	Ave	2.284	2.203		48.2	50.0	-3.5	50.0
4-Bromofluorobenzene (Surr)	Ave	0.8003	0.7513		46.9	50.0	-6.1	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3808.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 10-Sep-2011 13:06:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0005865-002 =480-0005865-002
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 30731 Lims Sample ID: 2
 Sublist: chrom-F-8260 SOIL*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F-8260 SOIL.m
 Last Update: 10-Sep-2011 13:18:02 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 10-Sep-2011 13:18:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	556640	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	76	260465	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.818	0.0	79	281613	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.434	5.434	0.0	92	91373	46.8	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	94	573799	48.2	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.723	9.723	0.0	88	195697	46.9	
10 Dichlorodifluoromethane	85	2.088	2.088	0.0	85	132251	47.5	
12 Chloromethane	50	2.240	2.240	0.0	88	167447	52.2	
13 Vinyl chloride	62	2.368	2.368	0.0	82	139325	53.3	
14 Bromomethane	94	2.654	2.654	0.0	83	35566	61.6	
15 Chloroethane	64	2.733	2.733	0.0	95	47248	56.7	
17 Trichlorofluoromethane	101	2.958	2.958	0.0	93	150813	57.9	
20 Acrolein	56	3.305	3.305	0.0	93	82929	797.5	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.336	3.336	0.0	83	120375	50.5	
22 1,1-Dichloroethene	96	3.372	3.372	0.0	92	125282	49.5	
23 Acetone	43	3.427	3.427	0.0	95	310670	238.7	
25 Iodomethane	142	3.536	3.536	0.0	99	163729	48.4	
26 Carbon disulfide	76	3.591	3.591	0.0	99	327628	47.8	
27 Methyl acetate	43	3.646	3.646	0.0	92	247865	46.9	
29 Acetonitrile	40	3.682	3.682	0.0	100	543000	2008.6	
30 Methylene Chloride	84	3.767	3.767	0.0	91	140865	49.9	
32 Methyl tert-butyl ether	73	3.920	3.920	0.0	94	436915	47.2	
34 trans-1,2-Dichloroethene	96	3.956	3.956	0.0	95	141912	50.1	
33 Acrylonitrile	53	3.974	3.974	0.0	97	342425	245.0	
37 Vinyl acetate	43	4.278	4.278	0.0	97	1480304	243.0	
39 1,1-Dichloroethane	63	4.297	4.297	0.0	51	260126	50.4	
43 2-Butanone (MEK)	43	4.747	4.747	0.0	98	502022	243.8	
44 2,2-Dichloropropane	77	4.747	4.747	0.0	56	191079	47.8	
45 cis-1,2-Dichloroethene	96	4.759	4.759	0.0	67	154996	48.5	
48 Chlorobromomethane	128	4.966	4.966	0.0	93	83866	48.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
49 Tetrahydrofuran	42	4.984	4.984	0.0	90	322929	244.4	
50 Chloroform	83	5.002	5.002	0.0	95	246982	48.9	
51 1,1,1-Trichloroethane	97	5.148	5.148	0.0	92	205958	47.3	
52 Cyclohexane	56	5.179	5.179	0.0	94	245881	49.5	
54 1,1-Dichloropropene	75	5.270	5.270	0.0	88	191564	49.5	
55 Carbon tetrachloride	117	5.282	5.282	0.0	78	175228	45.4	
57 Benzene	78	5.459	5.459	0.0	98	542944	48.9	
58 1,2-Dichloroethane	62	5.495	5.495	0.0	66	231228	50.8	
62 Trichloroethene	95	5.982	5.982	0.0	91	146666	48.5	
64 Methylcyclohexane	83	6.122	6.122	0.0	96	223134	47.8	
65 1,2-Dichloropropane	63	6.207	6.207	0.0	90	145746	48.6	
67 Dibromomethane	93	6.341	6.341	0.0	91	89781	49.0	
68 Dichlorobromomethane	83	6.450	6.450	0.0	97	174325	47.5	
69 2-Chloroethyl vinyl ether	63	6.651	6.651	0.0	92	505092	238.8	
72 cis-1,3-Dichloropropene	75	6.834	6.834	0.0	86	224720	47.6	
73 4-Methyl-2-pentanone (MIBK)	43	6.931	6.931	0.0	98	1007926	245.3	
74 Toluene	92	7.126	7.126	0.0	93	365803	46.2	
75 Ethyl methacrylate	69	7.345	7.345	0.0	81	193418	45.2	
77 trans-1,3-Dichloropropene	75	7.351	7.351	0.0	91	213270	47.4	
79 1,1,2-Trichloroethane	83	7.551	7.551	0.0	93	107346	48.1	
81 Tetrachloroethene	166	7.655	7.655	0.0	90	164399	48.4	
82 1,3-Dichloropropane	76	7.722	7.722	0.0	54	225548	48.5	
80 2-Hexanone	43	7.722	7.722	0.0	90	750412	245.7	
83 Chlorodibromomethane	129	7.965	7.965	0.0	87	145401	47.7	
84 Ethylene Dibromide	107	8.099	8.099	0.0	98	145070	47.0	
87 Chlorobenzene	112	8.549	8.549	0.0	92	421557	47.5	
88 Ethylbenzene	91	8.610	8.610	0.0	57	684671	47.8	
89 1,1,1,2-Tetrachloroethane	131	8.628	8.628	0.0	56	139462	46.8	
90 m-Xylene & p-Xylene	106	8.726	8.726	0.0	98	560726	94.9	
91 o-Xylene	106	9.158	9.158	0.0	95	270637	47.1	
92 Styrene	104	9.182	9.182	0.0	95	470939	47.4	
95 Bromoform	173	9.456	9.456	0.0	96	82151	39.9	
94 Isopropylbenzene	105	9.516	9.516	0.0	95	695007	48.0	
97 1,1,2,2-Tetrachloroethane	83	9.881	9.881	0.0	85	170943	47.6	
101 Bromobenzene	156	9.894	9.894	0.0	92	188433	47.8	
98 trans-1,4-Dichloro-2-butene	53	9.924	9.924	0.0	61	312937	247.3	
99 N-Propylbenzene	91	9.924	9.924	0.0	93	833276	49.6	
100 1,2,3-Trichloropropane	110	9.936	9.936	0.0	45	60946	49.3	
103 2-Chlorotoluene	126	10.052	10.052	0.0	96	176555	48.8	
102 1,3,5-Trimethylbenzene	105	10.082	10.082	0.0	94	593425	48.6	
105 4-Chlorotoluene	126	10.155	10.155	0.0	96	187529	48.3	
106 tert-Butylbenzene	134	10.399	10.399	0.0	92	133817	48.2	
107 1,2,4-Trimethylbenzene	105	10.447	10.447	0.0	27	600532	47.9	
109 sec-Butylbenzene	105	10.599	10.599	0.0	94	753099	48.7	
110 4-Isopropyltoluene	119	10.715	10.715	0.0	95	652848	48.7	
111 1,3-Dichlorobenzene	146	10.757	10.757	0.0	92	356625	47.5	
113 1,4-Dichlorobenzene	146	10.837	10.837	0.0	94	361279	47.5	
115 n-Butylbenzene	91	11.086	11.086	0.0	94	555761	48.1	
116 1,2-Dichlorobenzene	146	11.177	11.177	0.0	96	335881	46.5	
117 1,2-Dibromo-3-Chloropropane	75	11.853	11.853	0.0	73	31631	46.4	
119 1,2,4-Trichlorobenzene	180	12.510	12.510	0.0	94	213059	45.9	
120 Hexachlorobutadiene	225	12.607	12.607	0.0	97	104861	47.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.747	12.747	0.0	97	572502	44.0	
122 1,2,3-Trichlorobenzene	180	12.972	12.972	0.0	96	193584	46.1	
S 125 1,2-Dichloroethene, Total	1				0		98.5	
S 126 1,3-Dichloropropene, Total	1				0		95.1	
S 123 Total BTEX	1				0		284.8	
S 124 Xylenes, Total	1				0		142.0	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110919-6069.b\F3808A.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 10-Sep-2011 13:06:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0005865-002 =480-0005865-002
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 31837 Lims Sample ID: 2
 Sublist: chrom-F-8260 SOIL*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110919-6069.b\F-8260 SOIL.m
 Last Update: 19-Sep-2011 14:48:26 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: ByrnesJ

Date: 19-Sep-2011 14:43:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	556640	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	76	260465	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.818	0.0	79	281613	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.434	5.434	0.0	92	91373	46.8	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	94	573799	48.2	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.723	9.723	0.0	88	195697	46.9	
10 Dichlorodifluoromethane	85	2.088	2.088	0.0	85	132251	47.5	
12 Chloromethane	50	2.240	2.240	0.0	88	167447	52.2	
13 Vinyl chloride	62	2.368	2.368	0.0	82	139325	53.3	
14 Bromomethane	94	2.654	2.654	0.0	83	35566	61.6	
15 Chloroethane	64	2.733	2.733	0.0	95	47248	56.7	
17 Trichlorofluoromethane	101	2.958	2.958	0.0	93	150813	57.9	
20 Acrolein	56	3.305	3.305	0.0	93	82929	797.5	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.336	3.336	0.0	83	120375	50.5	
22 1,1-Dichloroethene	96	3.372	3.372	0.0	92	125282	49.5	
23 Acetone	43	3.427	3.427	0.0	95	310670	238.7	
25 Iodomethane	142	3.536	3.536	0.0	99	163729	48.4	
26 Carbon disulfide	76	3.591	3.591	0.0	99	327628	47.8	
27 Methyl acetate	43	3.646	3.646	0.0	92	247865	46.9	
29 Acetonitrile	40	3.682	3.682	0.0	100	543000	2008.6	
30 Methylene Chloride	84	3.767	3.767	0.0	91	140865	49.9	
32 Methyl tert-butyl ether	73	3.920	3.920	0.0	94	437253	47.2	
34 trans-1,2-Dichloroethene	96	3.956	3.956	0.0	95	141912	50.1	
33 Acrylonitrile	53	3.974	3.974	0.0	97	342425	245.0	
37 Vinyl acetate	43	4.278	4.278	0.0	97	1480304	243.0	
39 1,1-Dichloroethane	63	4.297	4.297	0.0	51	260126	50.4	
43 2-Butanone (MEK)	43	4.747	4.747	0.0	98	502022	243.8	
44 2,2-Dichloropropane	77	4.747	4.747	0.0	56	191079	47.8	
45 cis-1,2-Dichloroethene	96	4.759	4.759	0.0	67	154996	48.5	
48 Chlorobromomethane	128	4.966	4.966	0.0	93	83866	48.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
49 Tetrahydrofuran	42	4.984	4.984	0.0	90	322929	244.4	
50 Chloroform	83	5.002	5.002	0.0	95	246982	48.9	
51 1,1,1-Trichloroethane	97	5.148	5.148	0.0	92	205958	47.3	
52 Cyclohexane	56	5.179	5.179	0.0	94	245881	49.5	
54 1,1-Dichloropropene	75	5.270	5.270	0.0	88	191564	49.5	
55 Carbon tetrachloride	117	5.282	5.282	0.0	78	175226	45.4	
57 Benzene	78	5.459	5.459	0.0	98	542944	48.9	
58 1,2-Dichloroethane	62	5.495	5.495	0.0	66	231228	50.8	
62 Trichloroethene	95	5.982	5.982	0.0	91	146666	48.5	
64 Methylcyclohexane	83	6.122	6.122	0.0	96	223134	47.8	
65 1,2-Dichloropropane	63	6.207	6.207	0.0	90	145746	48.6	
67 Dibromomethane	93	6.341	6.341	0.0	91	89781	49.0	
68 Dichlorobromomethane	83	6.450	6.450	0.0	97	174325	47.5	
69 2-Chloroethyl vinyl ether	63	6.651	6.651	0.0	92	505092	238.8	
72 cis-1,3-Dichloropropene	75	6.834	6.834	0.0	86	224720	47.6	
73 4-Methyl-2-pentanone (MIBK)	43	6.931	6.931	0.0	98	1007926	245.3	
74 Toluene	92	7.126	7.126	0.0	93	365803	46.2	
75 Ethyl methacrylate	69	7.345	7.345	0.0	81	193418	45.2	
77 trans-1,3-Dichloropropene	75	7.351	7.351	0.0	91	213270	47.4	
79 1,1,2-Trichloroethane	83	7.551	7.551	0.0	93	107346	48.1	
81 Tetrachloroethene	166	7.655	7.655	0.0	90	164399	48.4	
80 2-Hexanone	43	7.722	7.722	0.0	90	750412	245.7	
82 1,3-Dichloropropane	76	7.722	7.722	0.0	54	225548	48.5	
83 Chlorodibromomethane	129	7.965	7.965	0.0	87	145401	47.7	
84 Ethylene Dibromide	107	8.099	8.099	0.0	98	145070	47.0	
87 Chlorobenzene	112	8.549	8.549	0.0	92	421557	47.5	
88 Ethylbenzene	91	8.610	8.610	0.0	57	684671	47.8	
89 1,1,1,2-Tetrachloroethane	131	8.628	8.628	0.0	56	139462	46.8	
90 m-Xylene & p-Xylene	106	8.726	8.726	0.0	98	560726	94.9	
91 o-Xylene	106	9.158	9.158	0.0	95	270637	47.1	
92 Styrene	104	9.182	9.182	0.0	95	470939	47.4	
95 Bromoform	173	9.456	9.456	0.0	96	82151	39.9	
94 Isopropylbenzene	105	9.516	9.516	0.0	95	695007	48.0	
97 1,1,2,2-Tetrachloroethane	83	9.881	9.881	0.0	85	170943	47.6	
101 Bromobenzene	156	9.894	9.894	0.0	92	188433	47.8	
98 trans-1,4-Dichloro-2-butene	53	9.924	9.924	0.0	61	312937	247.3	
99 N-Propylbenzene	91	9.924	9.924	0.0	93	833276	49.6	
100 1,2,3-Trichloropropane	110	9.936	9.936	0.0	45	60946	49.3	
103 2-Chlorotoluene	126	10.052	10.052	0.0	96	176555	48.8	
102 1,3,5-Trimethylbenzene	105	10.082	10.082	0.0	94	593425	48.6	
105 4-Chlorotoluene	126	10.155	10.155	0.0	96	187529	48.3	
106 tert-Butylbenzene	134	10.399	10.399	0.0	92	133817	48.2	
107 1,2,4-Trimethylbenzene	105	10.447	10.447	0.0	78	592425	47.2	M
109 sec-Butylbenzene	105	10.599	10.599	0.0	94	753099	48.7	
110 4-Isopropyltoluene	119	10.715	10.715	0.0	95	652848	48.7	
111 1,3-Dichlorobenzene	146	10.757	10.757	0.0	92	356625	47.5	
113 1,4-Dichlorobenzene	146	10.837	10.837	0.0	94	361279	47.5	
115 n-Butylbenzene	91	11.086	11.086	0.0	94	555761	48.1	
116 1,2-Dichlorobenzene	146	11.177	11.177	0.0	96	335881	46.5	
117 1,2-Dibromo-3-Chloropropane	75	11.853	11.853	0.0	73	31631	46.4	
119 1,2,4-Trichlorobenzene	180	12.510	12.510	0.0	94	213059	45.9	
120 Hexachlorobutadiene	225	12.607	12.607	0.0	97	104861	47.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.747	12.747	0.0	97	572502	44.0	
122 1,2,3-Trichlorobenzene	180	12.972	12.972	0.0	96	193584	46.1	
S 123 Total BTEX	1				0		284.8	
S 124 Xylenes, Total	1				0		142.0	
S 125 1,2-Dichloroethene, Total	1				0		98.5	
S 126 1,3-Dichloropropene, Total	1				0		95.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 10-Sep-2011 13:18:03

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3808.D

Injection Date: 10-Sep-2011 13:06:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 30731

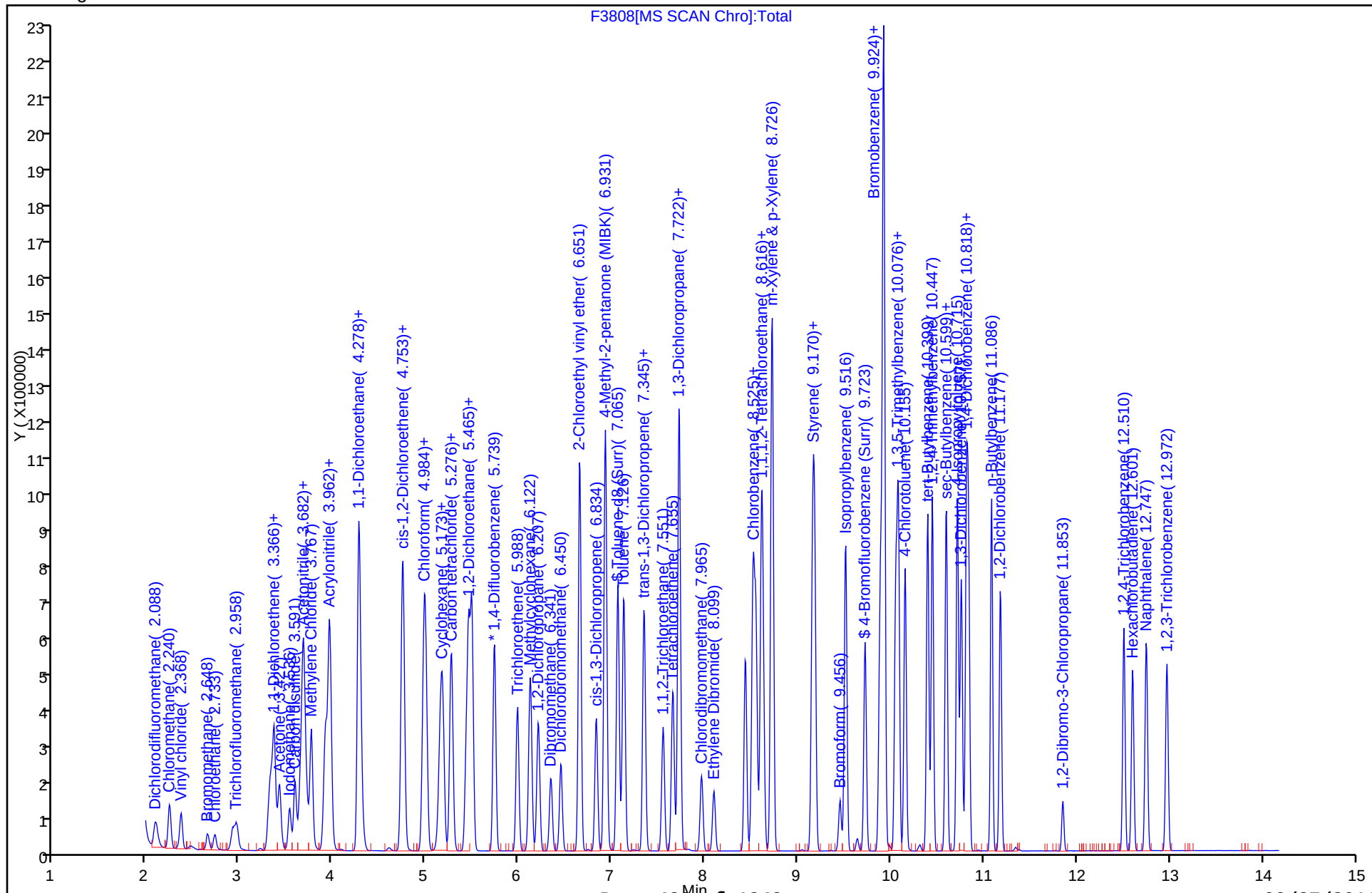
Lims Sample ID: 2

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 19-Sep-2011 14:48:26

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110919-6069.b\F3808A.D

Injection Date: 10-Sep-2011 13:06:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 31837

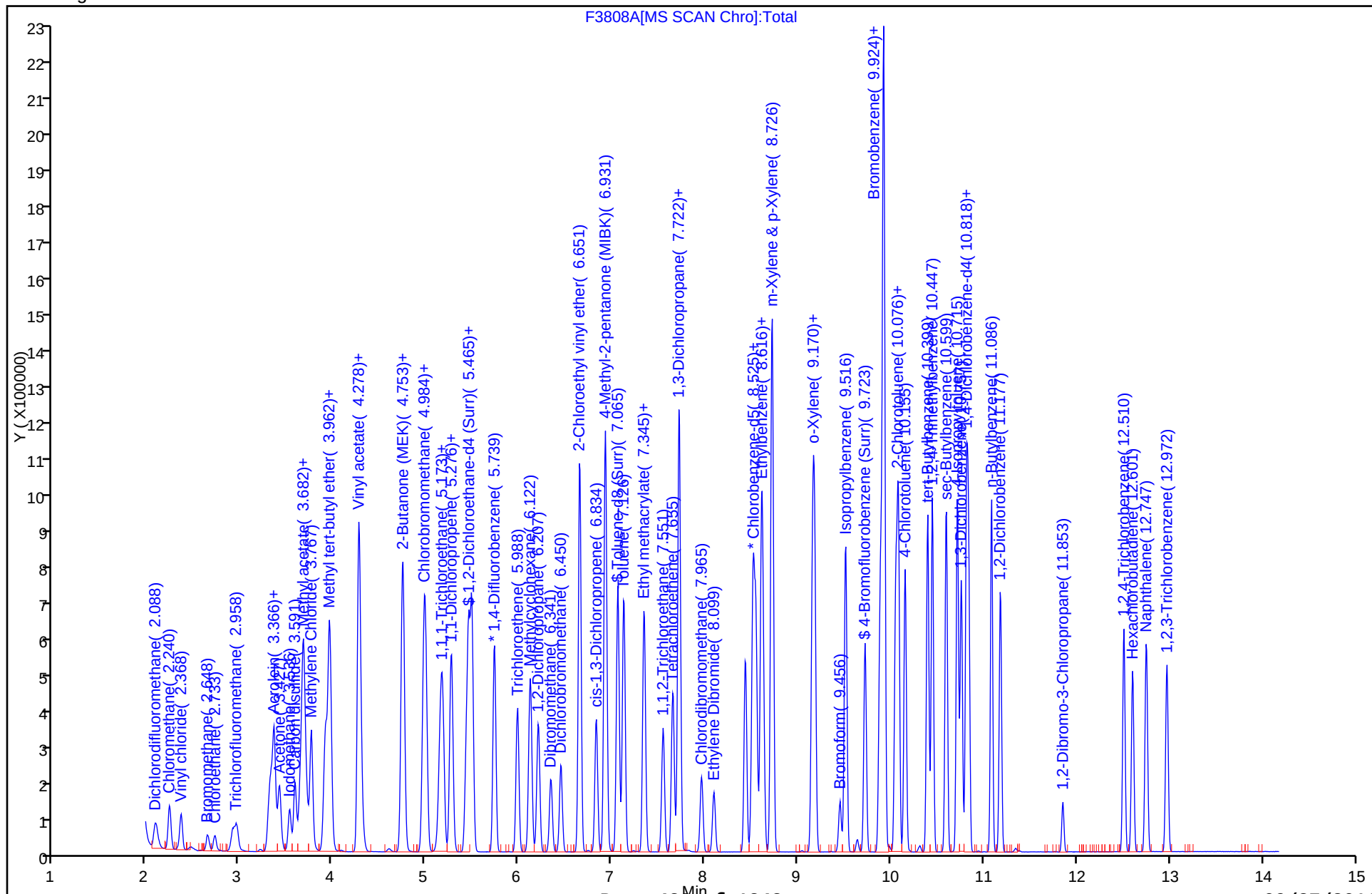
Lims Sample ID: 2

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:

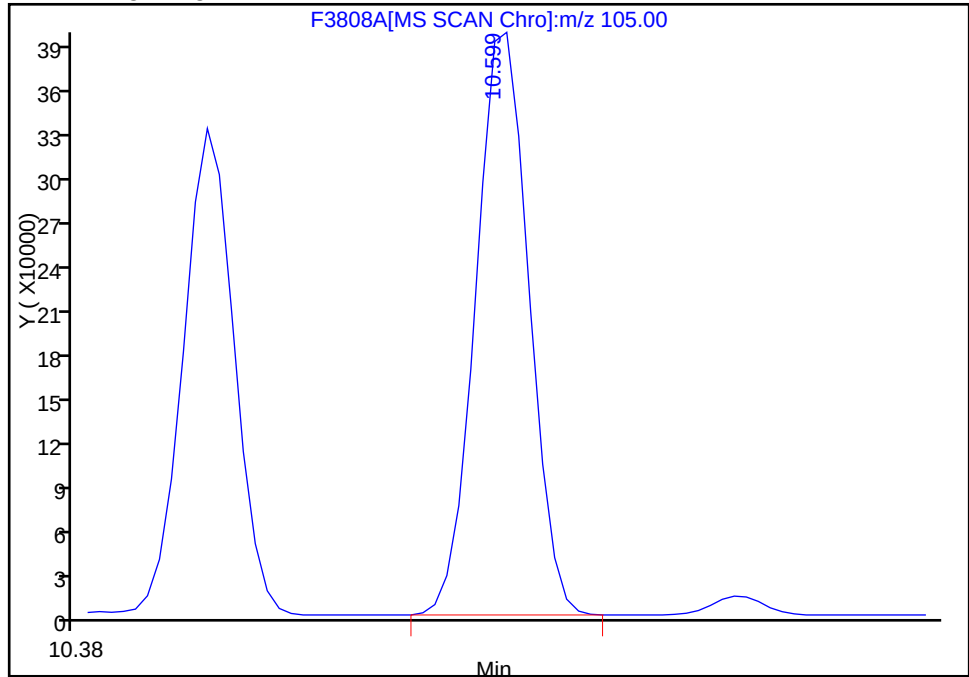


Data File: \\Bufchrom\ChromData\HP5973F\20110919-6069.b\F3808A.D
Injection Date: 10-Sep-2011 13:06:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973F
Lims Batch ID: 31837 Lims Sample ID: 2
Operator ID: PJQ
Column Type: ZB-624 Column Dia: 0.25 mm

107 1,2,4-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 10.45

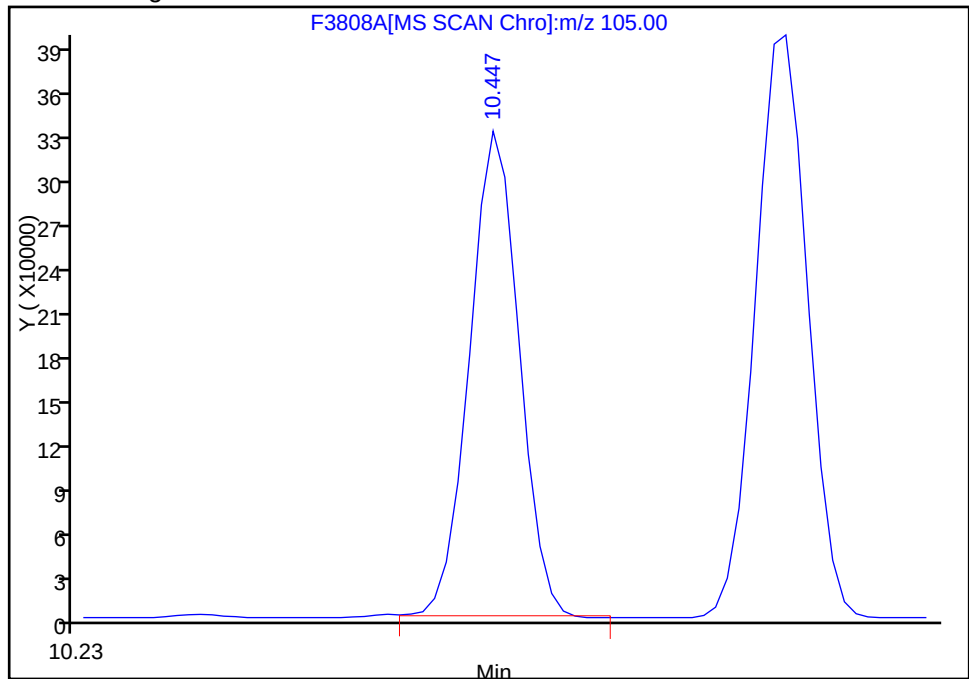
RT: 10.60
Response: 753099
Amount: 60.026516

Processing Integration Results



RT: 10.45
Response: 592425
Amount: 47.219832

Manual Integration Results



Reviewer: ByrnesJ, 19-Sep-2011 14:43:04
Audit Action: Manually Integrated
Audit Reason: Wrong peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-30918/2 Calibration Date: 09/12/2011 18:59

Instrument ID: HP5973F Calib Start Date: 09/01/2011 13:30

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/01/2011 15:38

Lab File ID: F3830.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2499	0.2561		51.2	50.0	2.5	50.0
Chloromethane	Ave	0.2882	0.3127	0.1000	54.3	50.0	8.5	50.0
Vinyl chloride	Ave	0.2347	0.2553		54.4	50.0	8.8	20.0
Bromomethane	QuaF		0.0609		59.1	50.0	18.2	50.0
Chloroethane	Ave	0.0748	0.0804		53.8	50.0	7.5	50.0
Trichlorofluoromethane	Ave	0.2338	0.2718		58.1	50.0	16.2	50.0
Acrolein	Ave	0.0093	0.0075		806	1000	-19.4	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2140	0.2193		51.2	50.0	2.5	50.0
1,1-Dichloroethene	Ave	0.2275	0.2279	0.1000	50.1	50.0	0.2	20.0
Acetone	Ave	0.1169	0.1249		267	250	6.8	50.0
Iodomethane	Ave	0.3042	0.3056		50.2	50.0	0.5	50.0
Carbon disulfide	Ave	0.6158	0.6087		49.4	50.0	-1.2	50.0
Methyl acetate	Ave	0.4745	0.4984		52.5	50.0	5.0	50.0
Acetonitrile	Ave	0.0243	0.0272		2240	2000	11.8	50.0
Methylene Chloride	LinF		0.2721		53.6	50.0	7.2	50.0
Methyl tert-butyl ether	Ave	0.8322	0.8441		50.7	50.0	1.4	50.0
trans-1,2-Dichloroethene	Ave	0.2546	0.2602		51.1	50.0	2.2	50.0
Acrylonitrile	Ave	0.1255	0.1365		272	250	8.7	50.0
Vinyl acetate	Ave	0.5473	0.5573		255	250	1.8	50.0
1,1-Dichloroethane	Ave	0.4637	0.4788		51.6	50.0	3.3	50.0
2,2-Dichloropropane	Ave	0.3590	0.3378		47.0	50.0	-5.9	50.0
2-Butanone (MEK)	Ave	0.1850	0.2044		276	250	10.5	50.0
cis-1,2-Dichloroethene	Ave	0.2872	0.2923		50.9	50.0	1.8	50.0
Bromochloromethane	Ave	0.1556	0.1597		51.3	50.0	2.6	50.0
Tetrahydrofuran	Ave	0.1187	0.1336		281	250	12.6	50.0
Chloroform	Ave	0.4539	0.4543		50.0	50.0	0.0	20.0
1,1,1-Trichloroethane	Ave	0.3909	0.3750		48.0	50.0	-4.0	50.0
Cyclohexane	Ave	0.4458	0.4577		51.3	50.0	2.7	50.0
1,1-Dichloropropene	Ave	0.3479	0.3533		50.8	50.0	1.6	50.0
Carbon tetrachloride	Ave	0.3463	0.3126		45.1	50.0	-9.7	50.0
Benzene	Ave	0.998	1.009		50.6	50.0	1.1	50.0
1,2-Dichloroethane	Ave	0.4091	0.4322		52.8	50.0	5.6	50.0
Trichloroethene	Ave	0.2714	0.2714		50.0	50.0	-0.0	50.0
Methylcyclohexane	Ave	0.4197	0.4174		49.7	50.0	-0.5	50.0
1,2-Dichloropropane	Ave	0.2692	0.2747		51.0	50.0	2.0	20.0
Dibromomethane	LinlF		0.1755		53.3	50.0	6.6	50.0
Bromodichloromethane	Ave	0.3299	0.3307		50.1	50.0	0.2	50.0
2-Chloroethyl vinyl ether	Ave	0.1900	0.1947		256	250	2.5	50.0
cis-1,3-Dichloropropene	Ave	0.4236	0.4236		50.0	50.0	-0.0	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7887	0.8432		267	250	6.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-30918/2 Calibration Date: 09/12/2011 18:59

Instrument ID: HP5973F Calib Start Date: 09/01/2011 13:30

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/01/2011 15:38

Lab File ID: F3830.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene	Ave	1.520	1.423		46.8	50.0	-6.4	20.0
Ethyl methacrylate	Ave	0.8206	0.7878		48.0	50.0	-4.0	50.0
trans-1,3-Dichloropropene	Ave	0.8632	0.8309		48.1	50.0	-3.7	50.0
1,1,2-Trichloroethane	Ave	0.4286	0.4251		49.6	50.0	-0.8	50.0
Tetrachloroethene	Ave	0.6517	0.6277		48.2	50.0	-3.7	50.0
1,3-Dichloropropane	Ave	0.8929	0.9005		50.4	50.0	0.9	50.0
2-Hexanone	Ave	0.5863	0.6369		272	250	8.6	50.0
Dibromochloromethane	Ave	0.5848	0.5786		49.5	50.0	-1.1	50.0
1,2-Dibromoethane	Ave	0.5928	0.5904		49.8	50.0	-0.4	50.0
Chlorobenzene	Ave	1.703	1.652	0.3000	48.5	50.0	-3.0	50.0
Ethylbenzene	Ave	2.750	2.645		48.1	50.0	-3.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5719	0.5423		47.4	50.0	-5.2	50.0
m,p-Xylene	Ave	1.134	1.080		95.2	100	-4.8	50.0
o-Xylene	Ave	1.104	1.055		47.8	50.0	-4.4	50.0
Styrene	Ave	1.907	1.841		48.3	50.0	-3.5	50.0
Bromoform	Lin1F		0.3380	0.1000	42.8	50.0	-14.4	50.0
Isopropylbenzene	Ave	2.572	2.437		47.4	50.0	-5.2	50.0
1,1,2,2-Tetrachloroethane	Ave	0.6370	0.6389	0.3000	50.2	50.0	0.3	50.0
Bromobenzene	Ave	0.6997	0.6774		48.4	50.0	-3.2	50.0
N-Propylbenzene	Ave	2.983	2.906		48.7	50.0	-2.6	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2247	0.2297		256	250	2.2	50.0
1,2,3-Trichloropropane	Ave	0.2195	0.2282		52.0	50.0	4.0	50.0
2-Chlorotoluene	Ave	0.6427	0.6211		48.3	50.0	-3.4	50.0
1,3,5-Trimethylbenzene	Ave	2.169	2.075		47.8	50.0	-4.3	50.0
4-Chlorotoluene	Ave	0.6899	0.6658		48.3	50.0	-3.5	50.0
tert-Butylbenzene	Ave	0.4933	0.4640		47.0	50.0	-5.9	50.0
1,2,4-Trimethylbenzene	Ave	2.228	2.121		47.6	50.0	-4.8	50.0
sec-Butylbenzene	Ave	2.745	2.611		47.6	50.0	-4.9	50.0
4-Isopropyltoluene	Ave	2.379	2.270		47.7	50.0	-4.6	50.0
1,3-Dichlorobenzene	Ave	1.334	1.268		47.5	50.0	-5.0	50.0
1,4-Dichlorobenzene	Ave	1.350	1.300		48.1	50.0	-3.7	50.0
n-Butylbenzene	Ave	2.050	1.935		47.2	50.0	-5.6	50.0
1,2-Dichlorobenzene	Ave	1.281	1.214		47.4	50.0	-5.3	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1211	0.1216		50.2	50.0	0.4	50.0
1,2,4-Trichlorobenzene	Ave	0.8233	0.7759		47.1	50.0	-5.8	50.0
Hexachlorobutadiene	Ave	0.3932	0.3687		46.9	50.0	-6.2	50.0
Naphthalene	Ave	2.309	2.248		48.7	50.0	-2.6	50.0
1,2,3-Trichlorobenzene	Ave	0.7463	0.7158		48.0	50.0	-4.1	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1755	0.1666		47.5	50.0	-5.1	50.0
Toluene-d8 (Surr)	Ave	2.284	2.162		47.3	50.0	-5.3	50.0
4-Bromofluorobenzene (Surr)	Ave	0.8003	0.7690		48.0	50.0	-3.9	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110912-5900.b\F3830.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 12-Sep-2011 18:59:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0005900-002 =480-0005900-002
 Operator: CDC Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 30918 Lims Sample ID: 2
 Sublist: chrom-F-8260 SOIL*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110912-5900.b\F-8260 SOIL.m
 Last Update: 12-Sep-2011 19:08:16 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc

Date: 12-Sep-2011 19:08:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	567946	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	77	273676	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.818	0.0	77	303237	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.434	5.434	0.0	92	94613	47.5	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	591595	47.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.723	9.723	0.0	88	210460	48.0	
10 Dichlorodifluoromethane	85	2.095	2.095	0.0	85	145445	51.2	
12 Chloromethane	50	2.247	2.247	0.0	89	177609	54.3	
13 Vinyl chloride	62	2.368	2.368	0.0	82	144989	54.4	
14 Bromomethane	94	2.648	2.648	0.0	85	34605	59.1	
15 Chloroethane	64	2.727	2.727	0.0	96	45678	53.8	
17 Trichlorofluoromethane	101	2.958	2.958	0.0	93	154369	58.1	
20 Acrolein	56	3.305	3.305	0.0	91	85517	806.0	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.336	3.336	0.0	84	124576	51.2	
22 1,1-Dichloroethene	96	3.366	3.366	0.0	83	129407	50.1	
23 Acetone	43	3.421	3.421	0.0	98	354652	267.0	
25 Iodomethane	142	3.536	3.536	0.0	98	173553	50.2	
26 Carbon disulfide	76	3.591	3.591	0.0	100	345678	49.4	
27 Methyl acetate	43	3.646	3.646	0.0	92	283086	52.5	
29 Acetonitrile	40	3.682	3.682	0.0	99	616811	2236.3	
30 Methylene Chloride	84	3.768	3.768	0.0	91	154555	53.6	
32 Methyl tert-butyl ether	73	3.920	3.920	0.0	93	479421	50.7	
34 trans-1,2-Dichloroethene	96	3.956	3.956	0.0	92	147803	51.1	
33 Acrylonitrile	53	3.974	3.974	0.0	98	387627	271.8	
37 Vinyl acetate	43	4.279	4.279	0.0	97	1582667	254.6	
39 1,1-Dichloroethane	63	4.297	4.297	0.0	64	271936	51.6	
44 2,2-Dichloropropane	77	4.747	4.747	0.0	54	191852	47.0	
43 2-Butanone (MEK)	43	4.747	4.747	0.0	98	580433	276.2	
45 cis-1,2-Dichloroethene	96	4.759	4.759	0.0	79	166009	50.9	
48 Chlorobromomethane	128	4.966	4.966	0.0	95	90684	51.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
49 Tetrahydrofuran	42	4.984	4.984	0.0	90	379428	281.4	
50 Chloroform	83	5.003	5.003	0.0	82	258011	50.0	
51 1,1,1-Trichloroethane	97	5.149	5.149	0.0	92	213004	48.0	
52 Cyclohexane	56	5.179	5.179	0.0	94	259938	51.3	
54 1,1-Dichloropropene	75	5.270	5.270	0.0	89	200657	50.8	
55 Carbon tetrachloride	117	5.282	5.282	0.0	78	177524	45.1	
57 Benzene	78	5.459	5.459	0.0	98	573222	50.6	
58 1,2-Dichloroethane	62	5.495	5.495	0.0	61	245440	52.8	
62 Trichloroethene	95	5.988	5.988	0.0	95	154115	50.0	
64 Methylcyclohexane	83	6.122	6.122	0.0	96	237063	49.7	
65 1,2-Dichloropropane	63	6.207	6.207	0.0	91	155987	51.0	
67 Dibromomethane	93	6.341	6.341	0.0	86	99700	53.3	
68 Dichlorobromomethane	83	6.450	6.450	0.0	96	187796	50.1	
69 2-Chloroethyl vinyl ether	63	6.657	6.657	0.0	92	552750	256.1	
72 cis-1,3-Dichloropropene	75	6.834	6.834	0.0	88	240580	50.0	
73 4-Methyl-2-pentanone (MIBK)	43	6.931	6.931	0.0	98	1153823	267.3	
74 Toluene	92	7.132	7.132	0.0	93	389529	46.8	
75 Ethyl methacrylate	69	7.339	7.339	0.0	86	215603	48.0	
77 trans-1,3-Dichloropropene	75	7.351	7.351	0.0	90	227390	48.1	
79 1,1,2-Trichloroethane	83	7.552	7.552	0.0	88	116351	49.6	
81 Tetrachloroethene	166	7.655	7.655	0.0	90	171798	48.2	
80 2-Hexanone	43	7.722	7.722	0.0	94	871543	271.6	
82 1,3-Dichloropropane	76	7.722	7.722	0.0	53	246457	50.4	
83 Chlorodibromomethane	129	7.965	7.965	0.0	87	158337	49.5	
84 Ethylene Dibromide	107	8.099	8.099	0.0	98	161574	49.8	
87 Chlorobenzene	112	8.549	8.549	0.0	92	451975	48.5	
88 Ethylbenzene	91	8.610	8.610	0.0	56	723887	48.1	
89 1,1,1,2-Tetrachloroethane	131	8.628	8.628	0.0	57	148403	47.4	
90 m-Xylene & p-Xylene	106	8.726	8.726	0.0	98	591238	95.2	
91 o-Xylene	106	9.158	9.158	0.0	95	288836	47.8	
92 Styrene	104	9.182	9.182	0.0	95	503715	48.3	
95 Bromoform	173	9.456	9.456	0.0	94	92504	42.8	
94 Isopropylbenzene	105	9.517	9.517	0.0	94	739068	47.4	
97 1,1,2,2-Tetrachloroethane	83	9.882	9.882	0.0	93	193746	50.2	
101 Bromobenzene	156	9.894	9.894	0.0	93	205407	48.4	
98 trans-1,4-Dichloro-2-butene	53	9.924	9.924	0.0	60	348323	255.6	
99 N-Propylbenzene	91	9.924	9.924	0.0	93	881325	48.7	
100 1,2,3-Trichloropropane	110	9.930	9.930	0.0	47	69202	52.0	
103 2-Chlorotoluene	126	10.052	10.052	0.0	96	188324	48.3	
102 1,3,5-Trimethylbenzene	105	10.082	10.082	0.0	94	629300	47.8	
105 4-Chlorotoluene	126	10.155	10.155	0.0	96	201889	48.3	
106 tert-Butylbenzene	134	10.399	10.399	0.0	88	140708	47.0	
107 1,2,4-Trimethylbenzene	105	10.447	10.447	0.0	55	643114	47.6	
109 sec-Butylbenzene	105	10.599	10.599	0.0	94	791796	47.6	
110 4-Isopropyltoluene	119	10.715	10.715	0.0	95	688395	47.7	
111 1,3-Dichlorobenzene	146	10.758	10.758	0.0	92	384480	47.5	
113 1,4-Dichlorobenzene	146	10.837	10.837	0.0	94	394191	48.1	
115 n-Butylbenzene	91	11.086	11.086	0.0	94	586707	47.2	
116 1,2-Dichlorobenzene	146	11.183	11.183	0.0	97	368102	47.4	
117 1,2-Dibromo-3-Chloropropane	75	11.853	11.853	0.0	74	36869	50.2	
119 1,2,4-Trichlorobenzene	180	12.510	12.510	0.0	94	235294	47.1	
120 Hexachlorobutadiene	225	12.601	12.601	0.0	95	111795	46.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.747	12.747	0.0	97	681720	48.7	
122 1,2,3-Trichlorobenzene	180	12.972	12.972	0.0	96	217046	48.0	
S 123 Total BTEX	1				0		288.5	
S 124 Xylenes, Total	1				0		143.0	
S 125 1,2-Dichloroethene, Total	1				0		102.0	
S 126 1,3-Dichloropropene, Total	1				0		98.1	

Report Date: 12-Sep-2011 19:08:17

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110912-5900.b\F3830.D

Injection Date: 12-Sep-2011 18:59:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 30918

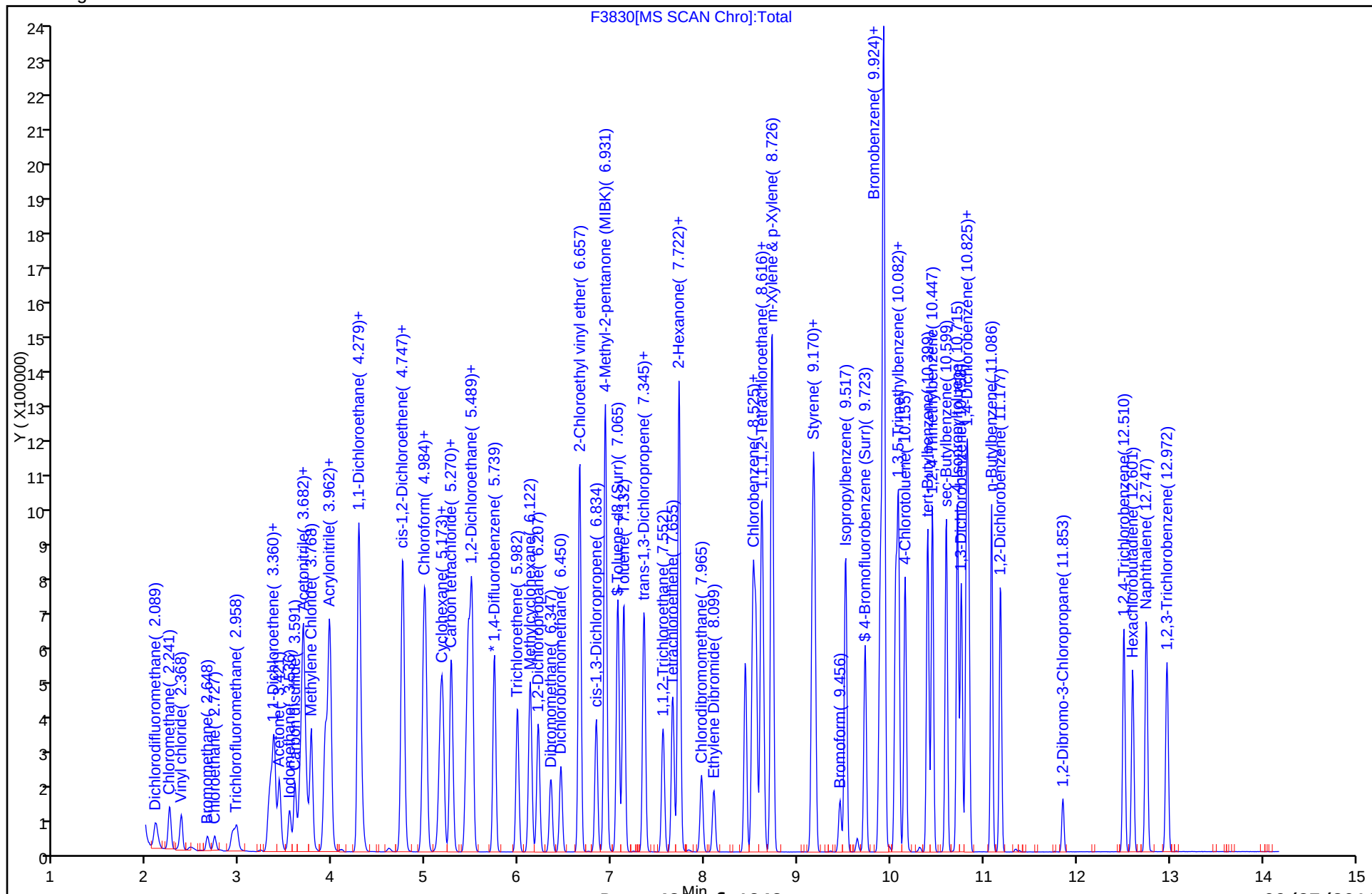
Lims Sample ID: 2

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Lab Sample ID: CCV 480-30918/3 Calibration Date: 09/12/2011 19:33
 Instrument ID: HP5973F Calib Start Date: 08/31/2011 18:44
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 08/31/2011 20:52
 Lab File ID: F3831.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	0.2738	0.3312		60.5	50.0	21.0	50.0
Dichlorofluoromethane	Ave	0.2992	0.3609		60.3	50.0	20.6	50.0
Ethyl ether	Ave	0.2530	0.2653		52.4	50.0	4.8	50.0
Isopropyl alcohol	Ave	0.0300	0.0327		1090	1000	8.9	50.0
Allyl chloride	Ave	0.4820	0.5233		54.3	50.0	8.6	50.0
t-Butyl alcohol	Ave	0.0483	0.0533		1100	1000	10.3	50.0
Hexane	Ave	0.4416	0.4640		52.5	50.0	5.1	50.0
Isopropyl ether	Ave	1.062	1.154		54.4	50.0	8.7	50.0
1,1-Dimethoxyethane	Ave	0.0681	0.0657		241	250	-3.5	50.0
Chloroprene	Ave	0.4522	0.5163		57.1	50.0	14.2	50.0
Tert-butyl ethyl ether	Ave	0.9790	0.998		51.0	50.0	1.9	50.0
Ethyl acetate	Ave	0.3321	0.3608		54.3	50.0	8.6	50.0
Propionitrile	Ave	0.0514	0.0600		584	500	16.7	50.0
Methacrylonitrile	Ave	0.2300	0.2601		56.5	50.0	13.1	50.0
Isobutyl alcohol	Ave	0.0221	0.0245		2210	2000	10.6	50.0
Tert-amyl methyl ether	Ave	0.8205	0.8263		50.4	50.0	0.7	50.0
n-Heptane	Ave	0.5152	0.5647		54.8	50.0	9.6	50.0
n-Butanol	Ave	0.0139	0.0148		2130	2000	6.4	50.0
Methyl methacrylate	Ave	0.3387	0.3659		54.0	50.0	8.0	50.0
1,4-Dioxane	Ave	0.0083	0.0097		2350	2000	17.5	50.0
2-Nitropropane	LinF		0.1582		201	250	-19.5	50.0
Epichlorohydrin	Ave	0.0390	0.0454		1160	1000	16.4	50.0
3-Chlorobenzotrifluoride	Ave	0.8587	0.8623		50.2	50.0	0.4	50.0
p-Monochlorobenzotrifluoride	Ave	0.8056	0.8070		50.1	50.0	0.2	50.0
2-Chlorobenzotrifluoride	Ave	0.8243	0.8196		49.7	50.0	-0.6	50.0
Cyclohexanone	Ave	0.0941	0.1220		649	500	29.7	50.0
3-Chlorotoluene	Ave	0.7060	0.6908		48.9	50.0	-2.1	50.0
Pentachloroethane	Ave	0.2427	0.2406		49.6	50.0	-0.8	50.0
Dicyclopentadiene	Ave	2.466	2.464		50.0	50.0	-0.0	50.0
1,2,3-Trimethylbenzene	Ave	2.329	2.330		50.0	50.0	0.0	50.0
1,3,5-Trichlorobenzene	Ave	0.8877	0.8847		49.8	50.0	-0.3	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110912-5900.b\F3831.D
 Lims ID: CCV Client ID:
 Inject. Date: 12-Sep-2011 19:33:30 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: CCV
 Misc. Info.: 480-0005900-003 =480-0005900-003
 Operator: CDC Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 30918 Lims Sample ID: 3
 Sublist: chrom-F-8260 SOIL*sub5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110912-5900.b\F-8260 SOIL.m
 Last Update: 12-Sep-2011 20:24:24 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: cwilinc

Date: 12-Sep-2011 20:24:24

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	95	561974	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	84	266712	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.818	0.0	94	293349	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.434	5.434	0.0	96	93988	47.6	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	593740	48.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.723	9.723	0.0	86	202326	47.4	
11 Chlorodifluoromethane	51	2.113	2.113	0.0	78	186129	60.5	
16 Dichlorofluoromethane	67	2.916	2.916	0.0	98	202818	60.3	
18 Ethyl ether	59	3.147	3.147	0.0	95	149096	52.4	
19 Propene oxide	58	3.244	3.244	0.0	86	231542	279.6	
24 Isopropyl alcohol	45	3.512	3.512	0.0	98	367248	1088.5	
28 3-Chloro-1-propene	41	3.658	3.658	0.0	87	294086	54.3	
31 2-Methyl-2-propanol	59	3.816	3.816	0.0	97	598981	1103.4	
35 Hexane	57	4.096	4.096	0.0	95	260757	52.5	
36 Isopropyl ether	45	4.248	4.248	0.0	95	648734	54.4	
38 1,1-Dimethoxyethane	75	4.327	4.327	0.0	67	184639	241.3	
40 2-Chloro-1,3-butadiene	53	4.352	4.352	0.0	92	290167	57.1	
41 Tert-butyl ethyl ether	59	4.534	4.534	0.0	98	560872	51.0	
42 Ethyl acetate	43	4.741	4.741	0.0	98	202739	54.3	
46 Propionitrile	54	4.844	4.844	0.0	99	337040	583.7	
47 Methacrylonitrile	41	4.942	4.942	0.0	93	146180	56.5	
53 Isobutyl alcohol	43	5.325	5.325	0.0	94	549934	2212.4	
56 Tert-amyl methyl ether	73	5.471	5.471	0.0	95	464353	50.4	
59 n-Heptane	43	5.544	5.544	0.0	93	317325	54.8	
60 n-Butanol	56	5.872	5.872	0.0	93	331525	2127.6	
63 Methyl methacrylate	41	6.213	6.213	0.0	92	205609	54.0	
66 1,4-Dioxane	88	6.317	6.317	0.0	94	103585	2350.9	
70 2-Nitropropane	43	6.669	6.669	0.0	98	232027	201.2	
71 Epichlorohydrin	57	6.779	6.779	0.0	99	509775	1164.2	
85 3-Chlorobenzotrifluoride	180	8.440	8.440	0.0	89	252946	50.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
86 4-Chlorobenzotrifluoride	180	8.495	8.495	0.0	93	236745	50.1	
93 2-Chlorobenzotrifluoride	180	9.425	9.425	0.0	95	240421	49.7	
96 Cyclohexanone	55	9.711	9.711	0.0	95	357941	648.5	
104 3-Chlorotoluene	126	10.113	10.113	0.0	96	202655	48.9	
108 Pentachloroethane	167	10.478	10.478	0.0	80	70584	49.6	
114 Dicyclopentadiene	66	10.837	10.837	0.0	96	722909	50.0	
112 1,2,3-Trimethylbenzene	105	10.849	10.849	0.0	93	683572	50.0	
118 1,3,5-Trichlorobenzene	180	11.974	11.974	0.0	97	259529	49.8	

Report Date: 12-Sep-2011 20:24:24

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110912-5900.b\F3831.D

Injection Date: 12-Sep-2011 19:33:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 30918

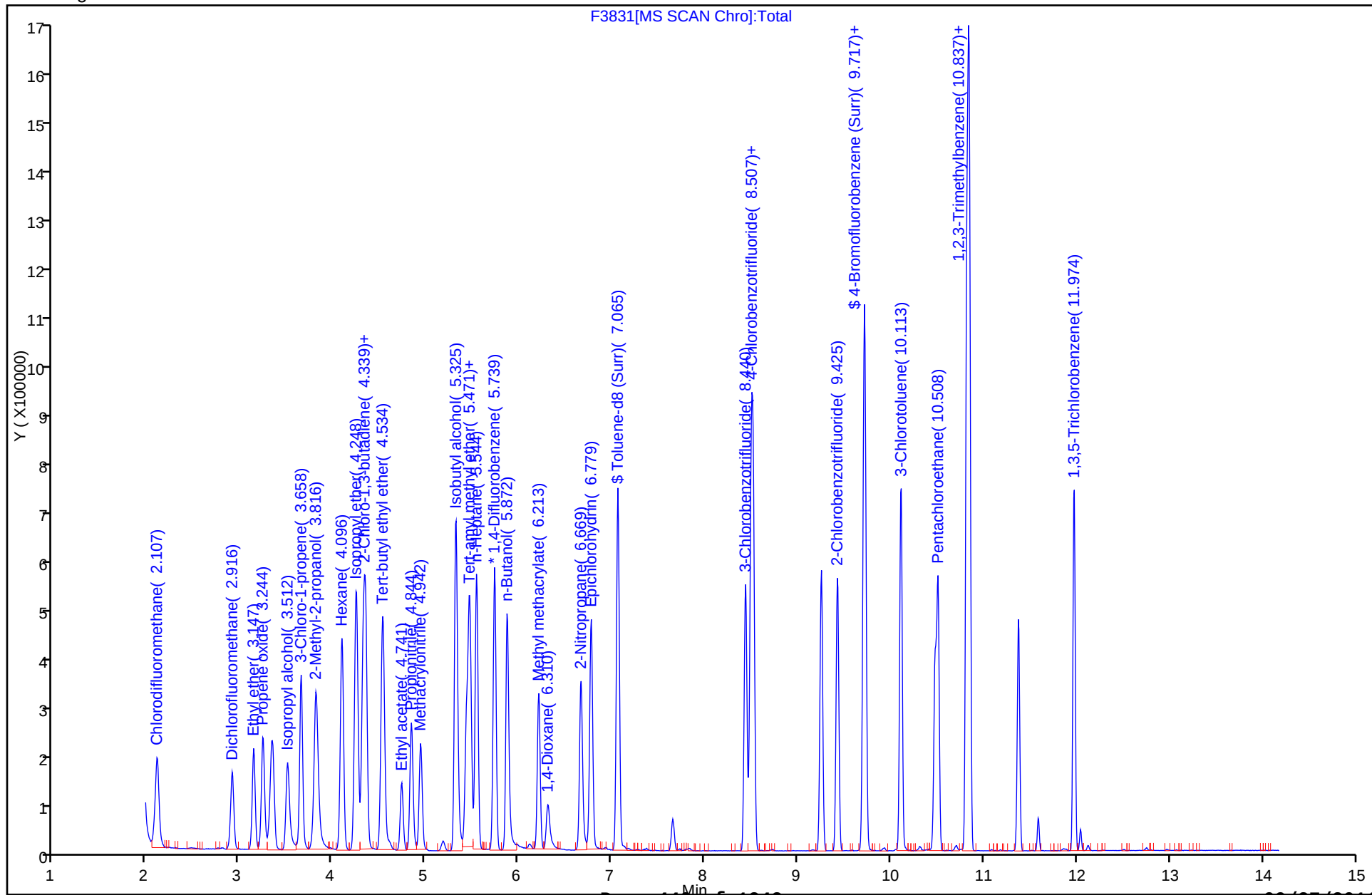
Lims Sample ID: 3

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab Sample ID: CCV 480-30918/3 Calibration Date: 09/12/2011 19:33
Instrument ID: HP5973F Calib Start Date: 09/01/2011 13:30
GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/01/2011 15:38
Lab File ID: F3831.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethane-d4 (Surr)	Ave	0.1755	0.1673		47.6	50.0	-4.7	50.0
Toluene-d8 (Surr)	Ave	2.284	2.226		48.7	50.0	-2.5	50.0
4-Bromofluorobenzene (Surr)	Ave	0.8003	0.7586		47.4	50.0	-5.2	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110912-5900.b\F3831.D
 Lims ID: CCV Client ID:
 Inject. Date: 12-Sep-2011 19:33:30 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: CCV
 Misc. Info.: 480-0005900-003 =480-0005900-003
 Operator: CDC Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 30918 Lims Sample ID: 3
 Sublist: chrom-F-8260 SOIL*sub5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110912-5900.b\F-8260 SOIL.m
 Last Update: 12-Sep-2011 20:24:24 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: cwklinc

Date: 12-Sep-2011 20:24:24

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	95	561974	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	84	266712	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.818	0.0	94	293349	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.434	5.434	0.0	96	93988	47.6	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	593740	48.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.723	9.723	0.0	86	202326	47.4	
11 Chlorodifluoromethane	51	2.113	2.113	0.0	78	186129	60.5	
16 Dichlorofluoromethane	67	2.916	2.916	0.0	98	202818	60.3	
18 Ethyl ether	59	3.147	3.147	0.0	95	149096	52.4	
19 Propene oxide	58	3.244	3.244	0.0	86	231542	279.6	
24 Isopropyl alcohol	45	3.512	3.512	0.0	98	367248	1088.5	
28 3-Chloro-1-propene	41	3.658	3.658	0.0	87	294086	54.3	
31 2-Methyl-2-propanol	59	3.816	3.816	0.0	97	598981	1103.4	
35 Hexane	57	4.096	4.096	0.0	95	260757	52.5	
36 Isopropyl ether	45	4.248	4.248	0.0	95	648734	54.4	
38 1,1-Dimethoxyethane	75	4.327	4.327	0.0	67	184639	241.3	
40 2-Chloro-1,3-butadiene	53	4.352	4.352	0.0	92	290167	57.1	
41 Tert-butyl ethyl ether	59	4.534	4.534	0.0	98	560872	51.0	
42 Ethyl acetate	43	4.741	4.741	0.0	98	202739	54.3	
46 Propionitrile	54	4.844	4.844	0.0	99	337040	583.7	
47 Methacrylonitrile	41	4.942	4.942	0.0	93	146180	56.5	
53 Isobutyl alcohol	43	5.325	5.325	0.0	94	549934	2212.4	
56 Tert-amyl methyl ether	73	5.471	5.471	0.0	95	464353	50.4	
59 n-Heptane	43	5.544	5.544	0.0	93	317325	54.8	
60 n-Butanol	56	5.872	5.872	0.0	93	331525	2127.6	
63 Methyl methacrylate	41	6.213	6.213	0.0	92	205609	54.0	
66 1,4-Dioxane	88	6.317	6.317	0.0	94	103585	2350.9	
70 2-Nitropropane	43	6.669	6.669	0.0	98	232027	201.2	
71 Epichlorohydrin	57	6.779	6.779	0.0	99	509775	1164.2	
85 3-Chlorobenzotrifluoride	180	8.440	8.440	0.0	89	252946	50.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
86 4-Chlorobenzotrifluoride	180	8.495	8.495	0.0	93	236745	50.1	
93 2-Chlorobenzotrifluoride	180	9.425	9.425	0.0	95	240421	49.7	
96 Cyclohexanone	55	9.711	9.711	0.0	95	357941	648.5	
104 3-Chlorotoluene	126	10.113	10.113	0.0	96	202655	48.9	
108 Pentachloroethane	167	10.478	10.478	0.0	80	70584	49.6	
114 Dicyclopentadiene	66	10.837	10.837	0.0	96	722909	50.0	
112 1,2,3-Trimethylbenzene	105	10.849	10.849	0.0	93	683572	50.0	
118 1,3,5-Trichlorobenzene	180	11.974	11.974	0.0	97	259529	49.8	

Report Date: 12-Sep-2011 20:24:24

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110912-5900.b\F3831.D

Injection Date: 12-Sep-2011 19:33:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 30918

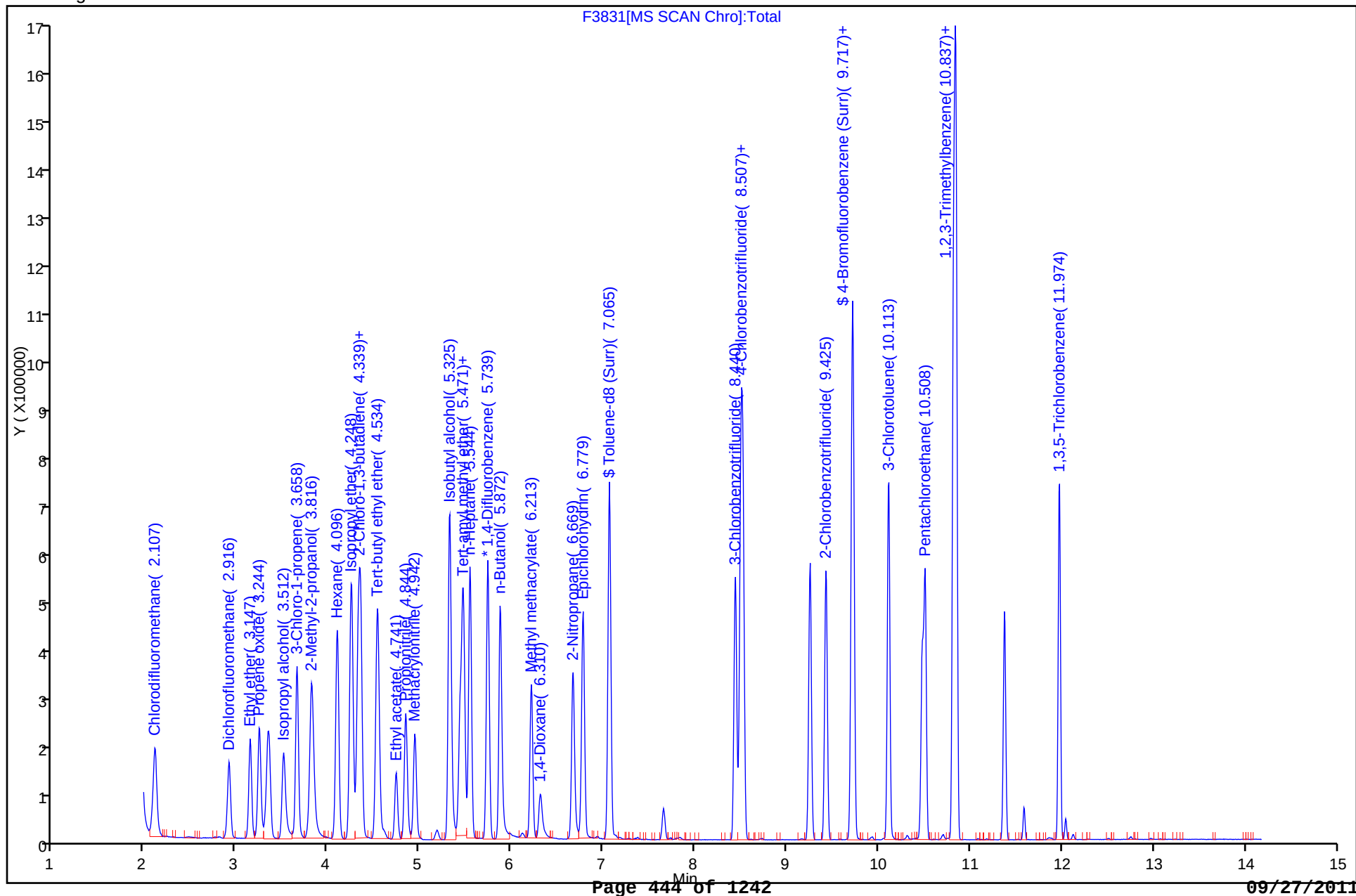
Lims Sample ID: 3

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-29441/2 Calibration Date: 08/30/2011 11:55

Instrument ID: HP5973P Calib Start Date: 08/18/2011 15:26

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 08/18/2011 17:33

Lab File ID: P4754.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3726	0.2482		33.3	50.0	-33.4	50.0
Chloromethane	Ave	0.3702	0.2919	0.1000	39.4	50.0	-21.2	50.0
Vinyl chloride	Ave	0.3441	0.2994		43.5	50.0	-13.0	20.0
Bromomethane	Ave	0.0633	0.0450		35.5	50.0	-29.0	50.0
Chloroethane	Ave	0.0563	0.0427		37.9	50.0	-24.2	50.0
Trichlorofluoromethane	Ave	0.6045	0.5235		43.3	50.0	-13.4	50.0
Acrolein	Ave	0.0163	0.0149		910	1000	-9.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3330	0.3026		45.4	50.0	-9.1	50.0
1,1-Dichloroethene	Ave	0.3222	0.3059	0.1000	47.5	50.0	-5.1	20.0
Acetone	Ave	0.1193	0.1145		240	250	-4.0	50.0
Iodomethane	Ave	0.4376	0.4211		48.1	50.0	-3.8	50.0
Carbon disulfide	Ave	0.8751	0.8172		46.7	50.0	-6.6	50.0
Methyl acetate	Ave	0.5091	0.4822		47.4	50.0	-5.3	50.0
Acetonitrile	Ave	0.0291	0.0276		1890	2000	-5.3	50.0
Methylene Chloride	LinF		0.3688		50.0	50.0	0.0	50.0
Methyl tert-butyl ether	Ave	0.9627	0.9308		48.3	50.0	-3.3	50.0
trans-1,2-Dichloroethene	Ave	0.3515	0.3329		47.4	50.0	-5.3	50.0
Acrylonitrile	Ave	0.1442	0.1414		245	250	-1.9	50.0
Vinyl acetate	Ave	0.5495	0.5338		243	250	-2.9	50.0
1,1-Dichloroethane	Ave	0.6587	0.5985		45.4	50.0	-9.1	50.0
2-Butanone (MEK)	Ave	0.1890	0.1793		237	250	-5.1	50.0
2,2-Dichloropropane	Ave	0.4519	0.4622		51.1	50.0	2.3	50.0
cis-1,2-Dichloroethene	Ave	0.3848	0.3654		47.5	50.0	-5.1	50.0
Bromochloromethane	Ave	0.1904	0.1870		49.1	50.0	-1.8	50.0
Tetrahydrofuran	Ave	0.1183	0.1134		240	250	-4.1	50.0
Chloroform	Ave	0.6283	0.5648		44.9	50.0	-10.1	20.0
1,1,1-Trichloroethane	Ave	0.4825	0.4670		48.4	50.0	-3.2	50.0
Cyclohexane	Ave	0.5614	0.4946		44.0	50.0	-11.9	50.0
1,1-Dichloropropene	Ave	0.4630	0.4265		46.1	50.0	-7.9	50.0
Carbon tetrachloride	Ave	0.4163	0.4287		51.5	50.0	3.0	50.0
Benzene	Ave	1.319	1.242		47.1	50.0	-5.8	50.0
1,2-Dichloroethane	Ave	0.4702	0.4196		44.6	50.0	-10.8	50.0
Trichloroethene	Ave	0.3469	0.3239		46.7	50.0	-6.6	50.0
Methylcyclohexane	Ave	0.5355	0.4972		46.4	50.0	-7.2	50.0
1,2-Dichloropropane	Ave	0.3603	0.3303		45.8	50.0	-8.3	20.0
Dibromomethane	Ave	0.2202	0.2084		47.3	50.0	-5.3	50.0
Bromodichloromethane	Ave	0.4124	0.4077		49.4	50.0	-1.1	50.0
2-Chloroethyl vinyl ether	Ave	0.2142	0.1977		231	250	-7.7	50.0
cis-1,3-Dichloropropene	Ave	0.5009	0.4993		49.8	50.0	-0.3	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7984	0.7775		243	250	-2.6	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-29441/2 Calibration Date: 08/30/2011 11:55

Instrument ID: HP5973P Calib Start Date: 08/18/2011 15:26

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 08/18/2011 17:33

Lab File ID: P4754.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene	Ave	1.841	1.718		46.7	50.0	-6.7	20.0
trans-1,3-Dichloropropene	Ave	0.999	1.022		51.1	50.0	2.3	50.0
Ethyl methacrylate	Ave	0.8893	0.8730		49.1	50.0	-1.8	50.0
1,1,2-Trichloroethane	Ave	0.5644	0.5460		48.4	50.0	-3.3	50.0
Tetrachloroethene	Ave	0.9325	0.8828		47.3	50.0	-5.3	50.0
1,3-Dichloropropane	Ave	1.095	1.047		47.8	50.0	-4.4	50.0
2-Hexanone	Ave	0.5726	0.5633		246	250	-1.6	50.0
Dibromochloromethane	Lin1F		0.7483		47.7	50.0	-4.6	50.0
1,2-Dibromoethane	Ave	0.7172	0.7112		49.6	50.0	-0.8	50.0
Chlorobenzene	Ave	2.078	2.061	0.3000	49.6	50.0	-0.8	50.0
Ethylbenzene	Ave	3.268	3.179		48.6	50.0	-2.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.7103	0.7583		53.4	50.0	6.8	50.0
m,p-Xylene	Ave	1.358	1.354		99.7	100	-0.3	50.0
o-Xylene	Ave	1.353	1.347		49.8	50.0	-0.5	50.0
Styrene	Ave	2.264	2.238		49.4	50.0	-1.2	50.0
Bromoform	QuaF		0.5930	0.1000	56.5	50.0	13.0	50.0
Isopropylbenzene	Ave	2.966	2.623		44.2	50.0	-11.6	50.0
1,1,2,2-Tetrachloroethane	Ave	0.8262	0.7330	0.3000	44.4	50.0	-11.3	50.0
Bromobenzene	Ave	0.9079	0.8159		44.9	50.0	-10.1	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2108	0.1934		229	250	-8.3	50.0
1,2,3-Trichloropropane	Ave	0.2337	0.2119		45.3	50.0	-9.4	50.0
N-Propylbenzene	Ave	3.644	3.243		44.5	50.0	-11.0	50.0
2-Chlorotoluene	Ave	0.7676	0.6833		44.5	50.0	-11.0	50.0
1,3,5-Trimethylbenzene	Ave	2.508	2.205		44.0	50.0	-12.1	50.0
4-Chlorotoluene	Ave	0.7961	0.7039		44.2	50.0	-11.6	50.0
tert-Butylbenzene	Ave	0.5460	0.4912		45.0	50.0	-10.0	50.0
1,2,4-Trimethylbenzene	Ave	2.558	2.246		43.9	50.0	-12.2	50.0
sec-Butylbenzene	Ave	3.301	2.929		44.4	50.0	-11.3	50.0
4-Isopropyltoluene	Ave	2.644	2.377		44.9	50.0	-10.1	50.0
1,3-Dichlorobenzene	Ave	1.636	1.476		45.1	50.0	-9.8	50.0
1,4-Dichlorobenzene	Ave	1.672	1.512		45.2	50.0	-9.6	50.0
n-Butylbenzene	Ave	2.605	2.225		42.7	50.0	-14.6	50.0
1,2-Dichlorobenzene	Ave	1.578	1.434		45.4	50.0	-9.2	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1322	0.1288		48.7	50.0	-2.6	50.0
1,2,4-Trichlorobenzene	Ave	1.204	1.105		45.9	50.0	-8.2	50.0
Hexachlorobutadiene	Ave	0.3540	0.3623		51.2	50.0	2.3	50.0
Naphthalene	Ave	1.250	1.498		59.9	50.0	19.8	50.0
1,2,3-Trichlorobenzene	Ave	0.5506	0.5631		51.1	50.0	2.3	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2314	0.1962		42.4	50.0	-15.2	50.0
Toluene-d8 (Surr)	Ave	2.852	2.808		49.2	50.0	-1.5	50.0
4-Bromofluorobenzene (Surr)	Ave	1.140	1.181		51.8	50.0	3.7	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4754.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 30-Aug-2011 11:55:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0005649-002 =480-0005649-002
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 29441 Lims Sample ID: 2
 Sublist: chrom-P-8260 Soil*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P-8260 Soil.m
 Last Update: 30-Aug-2011 12:14:55 Calib Date: 18-Aug-2011 21:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4565.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 30-Aug-2011 12:14:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.072	8.072	0.0	93	700072	50.0	
* 2 Chlorobenzene-d5	82	11.838	11.838	0.0	78	314228	50.0	
* 3 1,4-Dichlorobenzene-d4	152	14.983	14.983	0.0	92	393104	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.634	7.634	0.0	96	137339	42.4	
\$ 5 Toluene-d8 (Surr)	98	9.891	9.891	0.0	91	882319	49.2	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.456	13.456	0.0	96	371248	51.8	
10 Dichlorodifluoromethane	85	2.816	2.816	0.0	86	173784	33.3	
11 Chloromethane	50	3.029	3.029	0.0	88	204331	39.4	
17 Vinyl chloride	62	3.199	3.199	0.0	83	209576	43.5	
12 Bromomethane	94	3.631	3.631	0.0	89	31477	35.5	
13 Chloroethane	64	3.741	3.741	0.0	88	29866	37.9	
14 Trichlorofluoromethane	101	4.045	4.045	0.0	83	366465	43.3	
22 Acrolein	56	4.599	4.599	0.0	94	208038	909.9	
16 1,1,2-Trichloro-1,2,2-trifluoroethane	101	4.647	4.647	0.0	83	211804	45.4	
25 1,1-Dichloroethene	96	4.684	4.684	0.0	86	214147	47.5	
24 Acetone	43	4.769	4.769	0.0	97	400623	239.9	
18 Iodomethane	142	4.909	4.909	0.0	97	294802	48.1	
27 Carbon disulfide	76	4.994	4.994	0.0	99	572061	46.7	
30 Methyl acetate	43	5.097	5.097	0.0	84	337566	47.4	
29 Acetonitrile	40	5.134	5.134	0.0	99	772398	1894.2	
31 Methylene Chloride	84	5.262	5.262	0.0	85	258171	50.0	
32 Methyl tert-butyl ether	73	5.499	5.499	0.0	90	651605	48.3	
35 trans-1,2-Dichloroethene	96	5.542	5.542	0.0	95	233023	47.4	
34 Acrylonitrile	53	5.554	5.554	0.0	100	495088	245.3	
38 Vinyl acetate	43	6.010	6.010	0.0	97	1868610	242.9	
40 1,1-Dichloroethane	63	6.028	6.028	0.0	48	419018	45.4	
45 2,2-Dichloropropane	77	6.673	6.673	0.0	56	323600	51.1	
44 2-Butanone (MEK)	43	6.667	6.667	0.0	99	627741	237.2	
43 cis-1,2-Dichloroethene	96	6.685	6.685	0.0	68	255790	47.5	
50 Chlorobromomethane	128	6.983	6.983	0.0	93	130898	49.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
51 Tetrahydrofuran	42	7.008	7.008	0.0	89	396864	239.7	
49 Chloroform	83	7.038	7.038	0.0	70	395431	44.9	
52 1,1,1-Trichloroethane	97	7.245	7.245	0.0	93	326917	48.4	
54 Cyclohexane	56	7.288	7.288	0.0	90	346228	44.0	
56 1,1-Dichloropropene	75	7.409	7.409	0.0	92	298611	46.1	
55 Carbon tetrachloride	117	7.428	7.428	0.0	78	300141	51.5	
57 Benzene	78	7.677	7.677	0.0	96	869815	47.1	
60 1,2-Dichloroethane	62	7.720	7.720	0.0	75	293735	44.6	
62 Trichloroethene	95	8.407	8.407	0.0	92	226779	46.7	
64 Methylcyclohexane	83	8.614	8.614	0.0	90	348061	46.4	
63 1,2-Dichloropropane	63	8.711	8.711	0.0	89	231229	45.8	
69 Dibromomethane	93	8.894	8.894	0.0	83	145906	47.3	
70 Dichlorobromomethane	83	9.052	9.052	0.0	93	285446	49.4	
71 2-Chloroethyl vinyl ether	63	9.338	9.338	0.0	90	692124	230.8	
73 cis-1,3-Dichloropropene	75	9.569	9.569	0.0	91	349570	49.8	
75 4-Methyl-2-pentanone (MIBK)	43	9.709	9.709	0.0	96	1221502	243.4	
76 Toluene	92	9.977	9.977	0.0	96	539778	46.7	
78 trans-1,3-Dichloropropene	75	10.275	10.275	0.0	92	321078	51.1	
77 Ethyl methacrylate	69	10.281	10.281	0.0	79	274315	49.1	
79 1,1,2-Trichloroethane	83	10.542	10.542	0.0	85	171582	48.4	
80 Tetrachloroethene	166	10.688	10.688	0.0	92	277412	47.3	
82 1,3-Dichloropropane	76	10.767	10.767	0.0	77	328958	47.8	
83 2-Hexanone	43	10.786	10.786	0.0	95	885075	246.0	
81 Chlorodibromomethane	129	11.096	11.096	0.0	99	235122	47.7	
85 Ethylene Dibromide	107	11.266	11.266	0.0	98	223493	49.6	
87 Chlorobenzene	112	11.881	11.881	0.0	94	647509	49.6	
89 Ethylbenzene	91	11.972	11.972	0.0	80	999028	48.6	
88 1,1,1,2-Tetrachloroethane	131	11.984	11.984	0.0	49	238282	53.4	
90 m-Xylene & p-Xylene	106	12.124	12.124	0.0	96	851081	99.7	
93 o-Xylene	106	12.696	12.696	0.0	95	423304	49.8	
94 Styrene	104	12.726	12.726	0.0	96	703305	49.4	
92 Bromoform	173	13.079	13.079	0.0	98	186348	56.5	
95 Isopropylbenzene	105	13.176	13.176	0.0	95	1031024	44.2	
97 1,1,2,2-Tetrachloroethane	83	13.663	13.663	0.0	86	288139	44.4	
100 Bromobenzene	156	13.681	13.681	0.0	87	320735	44.9	
98 trans-1,4-Dichloro-2-butene	53	13.718	13.718	0.0	81	380058	229.3	
99 N-Propylbenzene	91	13.736	13.736	0.0	97	1274922	44.5	
101 1,2,3-Trichloropropane	110	13.730	13.730	0.0	43	83284	45.3	
103 2-Chlorotoluene	126	13.907	13.907	0.0	98	268597	44.5	
102 1,3,5-Trimethylbenzene	105	13.955	13.955	0.0	68	866597	44.0	
105 4-Chlorotoluene	126	14.053	14.053	0.0	96	276708	44.2	
106 tert-Butylbenzene	134	14.399	14.399	0.0	91	193078	45.0	
107 1,2,4-Trimethylbenzene	105	14.466	14.466	0.0	69	883044	43.9	
109 sec-Butylbenzene	105	14.685	14.685	0.0	94	1151251	44.4	
112 4-Isopropyltoluene	119	14.856	14.856	0.0	96	934233	44.9	
110 1,3-Dichlorobenzene	146	14.904	14.904	0.0	90	580254	45.1	
111 1,4-Dichlorobenzene	146	15.014	15.014	0.0	96	594446	45.2	
115 n-Butylbenzene	91	15.385	15.385	0.0	94	874617	42.7	
116 1,2-Dichlorobenzene	146	15.506	15.506	0.0	98	563610	45.4	
117 1,2-Dibromo-3-Chloropropane	75	16.492	16.492	0.0	81	50623	48.7	
119 1,2,4-Trichlorobenzene	180	17.435	17.435	0.0	92	434536	45.9	
120 Hexachlorobutadiene	225	17.569	17.569	0.0	92	253604	51.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	17.751	17.751	0.0	97	1048500	59.9	
122 1,2,3-Trichlorobenzene	180	18.043	18.043	0.0	91	394197	51.1	
S 123 1,2-Dichloroethene, Total	1				0		94.8	
S 124 1,3-Dichloropropene, Total	1				0		101.0	
S 125 Total BTEX	1				0		291.9	
S 126 Xylenes, Total	1				0		149.5	

Report Date: 30-Aug-2011 12:14:56

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4754.D

Injection Date: 30-Aug-2011 11:55:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 29441

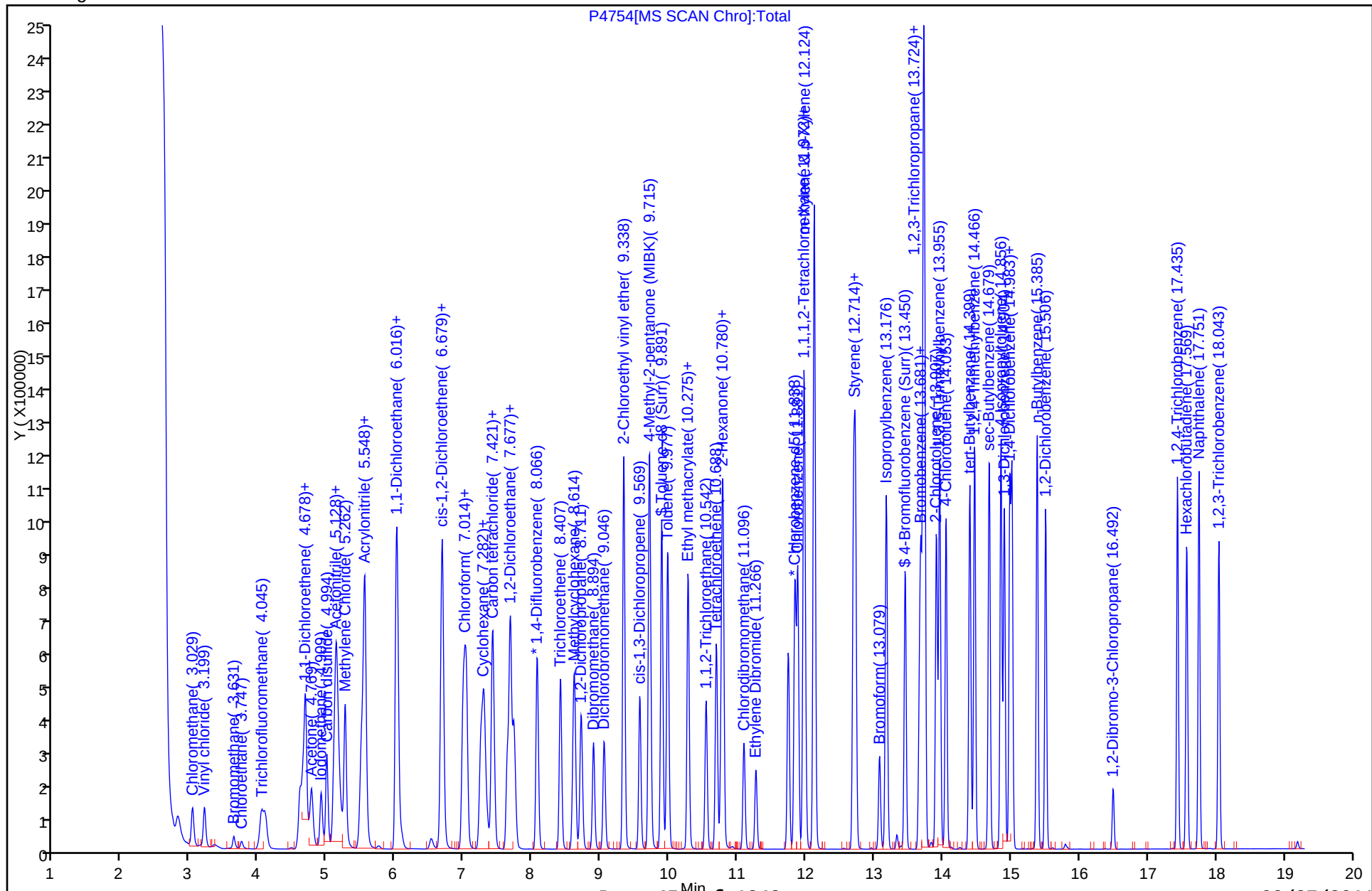
Lims Sample ID: 2

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab Sample ID: CCV 480-29441/3 Calibration Date: 08/30/2011 12:34
Instrument ID: HP5973P Calib Start Date: 08/18/2011 15:26
GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 08/18/2011 17:33
Lab File ID: P4755.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethane-d4 (Surr)	Ave	0.2314	0.1919		41.5	50.0	-17.1	50.0
Toluene-d8 (Surr)	Ave	2.852	2.809		49.3	50.0	-1.5	50.0
4-Bromofluorobenzene (Surr)	Ave	1.140	1.192		52.3	50.0	4.6	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4755.D
 Lims ID: CCV Client ID:
 Inject. Date: 30-Aug-2011 12:34:30 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: CCV
 Misc. Info.: 480-0005649-003 =480-0005649-003
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 29441 Lims Sample ID: 3
 Sublist: chrom-P-8260 Soil*sub4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P-8260 Soil.m
 Last Update: 30-Aug-2011 13:00:39 Calib Date: 18-Aug-2011 21:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4565.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 30-Aug-2011 13:00:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.066	8.066	0.0	94	676886	50.0	
* 2 Chlorobenzene-d5	82	11.838	11.838	0.0	83	305312	50.0	
* 3 1,4-Dichlorobenzene-d4	152	14.983	14.983	0.0	92	358126	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.628	7.628	0.0	98	129893	41.5	
\$ 5 Toluene-d8 (Surr)	98	9.891	9.891	0.0	91	857758	49.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.450	13.450	0.0	96	364011	52.3	
15 Chlorodifluoromethane	51	2.828	2.828	0.0	77	257498	52.7	
19 Dichlorofluoromethane	67	4.008	4.008	0.0	82	440810	50.1	
20 Ethyl ether	59	4.355	4.355	0.0	94	191372	47.6	
23 Isopropyl alcohol	45	4.897	4.897	0.0	99	439989	1100.3	
28 3-Chloro-1-propene	41	5.091	5.091	0.0	91	352900	48.6	
33 2-Methyl-2-propanol	59	5.347	5.347	0.0	99	706121	1145.6	
36 Hexane	57	5.748	5.748	0.0	93	338114	48.9	
37 Isopropyl ether	45	5.980	5.980	0.0	97	783677	47.1	
39 1,1-Dimethoxyethane	75	6.077	6.077	0.0	66	236539	294.6	
41 2-Chloro-1,3-butadiene	53	6.101	6.101	0.0	88	328249	48.5	
26 Propene oxide	58		6.211					
42 Tert-butyl ethyl ether	59	6.387	6.387	0.0	99	708968	48.7	
46 Ethyl acetate	43	6.667	6.667	0.0	98	207292	46.9	
47 Propionitrile	54	6.789	6.789	0.0	100	389707	525.0	
48 Methacrylonitrile	41	6.941	6.941	0.0	93	142869	48.8	
72 2-Nitropropane	43	7.500	7.500	0.0	83	585937	249.6	
58 Tert-amyl methyl ether	73	7.707	7.707	0.0	98	619978	50.4	
59 n-Heptane	43	7.823	7.823	0.0	94	360873	47.5	
61 n-Butanol	56	8.273	8.273	0.0	89	368912	2249.8	
65 Methyl methacrylate	41	8.735	8.735	0.0	90	188952	47.3	
68 1,4-Dioxane	88	8.857	8.857	0.0	92	127175	2120.1	
53 Isobutyl alcohol	43	9.332	9.332	0.0	58	297662	2218.2	
74 Epichlorohydrin	57	9.490	9.490	0.0	98	549265	1113.8	
84 3-Chlorobenzotrifluoride	180	11.741	11.741	0.0	90	414782	51.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
86 4-Chlorobenzotrifluoride	180	11.820	11.820	0.0	94	407393	51.0	
91 2-Chlorobenzotrifluoride	180	13.049	13.049	0.0	98	420403	51.1	
96 Cyclohexanone	55	13.420	13.420	0.0	91	708013	494.1	
104 3-Chlorotoluene	126	13.986	13.986	0.0	95	278327	48.0	
108 Pentachloroethane	167	14.497	14.497	0.0	86	147703	78.7	
114 Dicyclopentadiene	66	15.014	15.014	0.0	96	1037252	45.2	
113 1,2,3-Trimethylbenzene	105	15.032	15.032	0.0	81	915551	46.8	
118 1,3,5-Trichlorobenzene	180	16.687	16.687	0.0	95	446648	47.8	

Report Date: 30-Aug-2011 13:00:39

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4755.D

Injection Date: 30-Aug-2011 12:34:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 29441

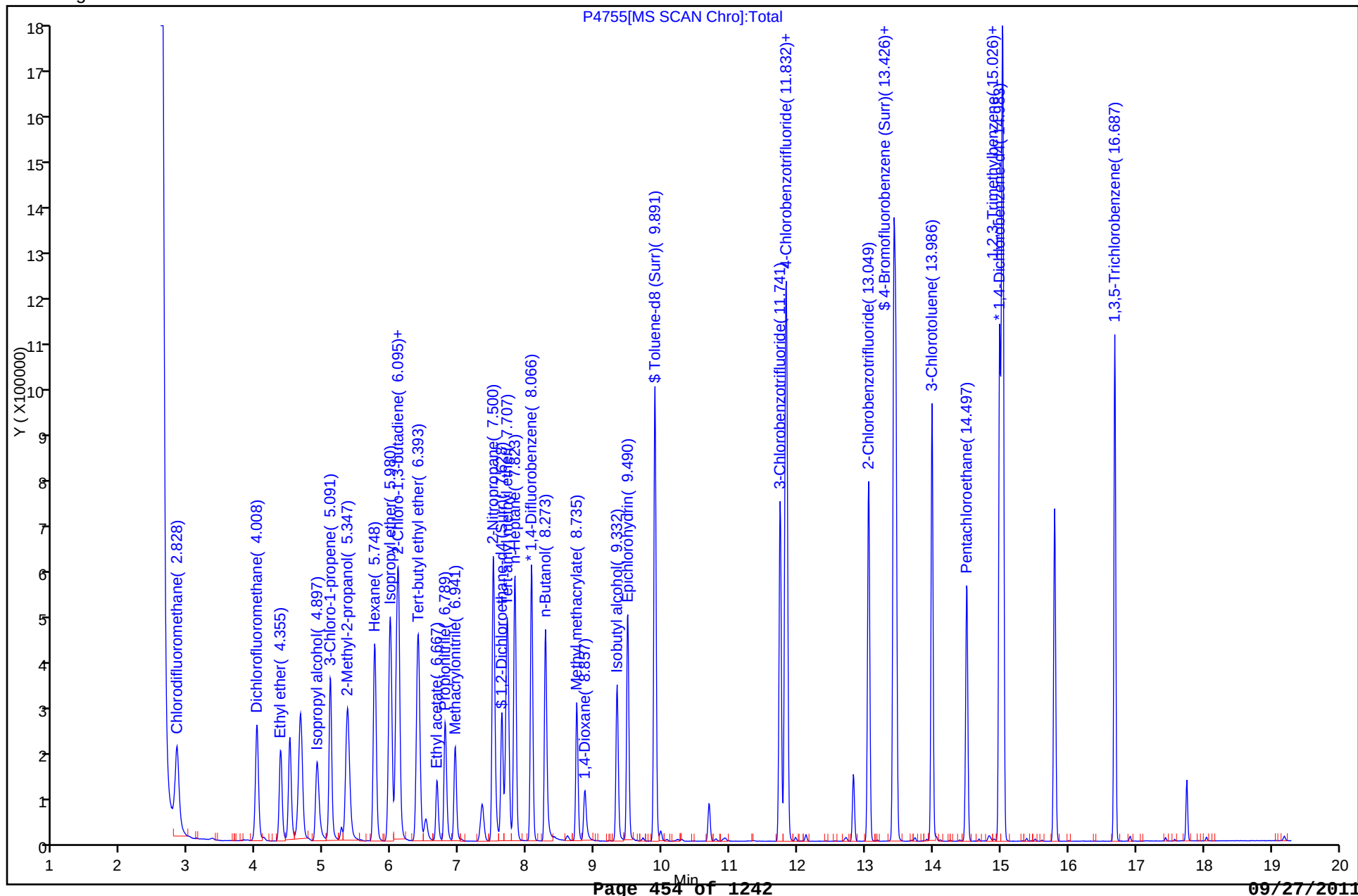
Lims Sample ID: 3

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Lab Sample ID: CCV 480-29441/3 Calibration Date: 08/30/2011 12:34
 Instrument ID: HP5973P Calib Start Date: 08/18/2011 19:15
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 08/18/2011 21:23
 Lab File ID: P4755.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	0.3608	0.3804		52.7	50.0	5.4	50.0
Dichlorofluoromethane	Ave	0.6496	0.6512		50.1	50.0	0.3	50.0
Ethyl ether	Ave	0.2972	0.2827		47.6	50.0	-4.9	50.0
Isopropyl alcohol	Ave	0.0295	0.0325		1100	1000	10.0	50.0
Allyl chloride	Ave	0.5363	0.5214		48.6	50.0	-2.8	50.0
t-Butyl alcohol	Ave	0.0455	0.0522		1150	1000	14.6	50.0
Hexane	Ave	0.5105	0.4995		48.9	50.0	-2.1	50.0
Isopropyl ether	Ave	1.228	1.158		47.1	50.0	-5.7	50.0
1,1-Dimethoxyethane	Ave	0.0593	0.0699		295	250	17.8	50.0
Chloroprene	Ave	0.5003	0.4849		48.5	50.0	-3.1	50.0
Tert-butyl ethyl ether	Ave	1.075	1.047		48.7	50.0	-2.5	50.0
Ethyl acetate	Ave	0.3266	0.3062		46.9	50.0	-6.2	50.0
Propionitrile	Ave	0.0548	0.0576		525	500	5.0	50.0
Methacrylonitrile	Ave	0.2163	0.2111		48.8	50.0	-2.4	50.0
2-Nitropropane	Ave	0.3277	0.3272		250	250	-0.1	50.0
Tert-amyl methyl ether	Ave	0.9094	0.9159		50.4	50.0	0.7	50.0
n-Heptane	Ave	0.5614	0.5331		47.5	50.0	-5.0	50.0
n-Butanol	Ave	0.0121	0.0136		2250	2000	12.5	50.0
Methyl methacrylate	Ave	0.2952	0.2792		47.3	50.0	-5.4	50.0
1,4-Dioxane	Ave	0.0098	0.0104		2120	2000	6.0	50.0
Isobutyl alcohol	LinF		0.0110		2220	2000	10.9	50.0
Epichlorohydrin	Ave	0.0364	0.0406		1110	1000	11.4	50.0
3-Chlorobenzotrifluoride	Ave	1.129	1.158		51.3	50.0	2.6	50.0
p-Monochlorobenzotrifluoride	Ave	1.116	1.138		51.0	50.0	1.9	50.0
2-Chlorobenzotrifluoride	Ave	1.148	1.174		51.1	50.0	2.3	50.0
Cyclohexanone	Ave	0.2000	0.1977		494	500	-1.2	50.0
3-Chlorotoluene	Ave	0.8102	0.7772		48.0	50.0	-4.1	50.0
Pentachloroethane	Ave	0.2619	0.4124		78.7	50.0	57.5*	50.0
Dicyclopentadiene	Ave	3.202	2.896		45.2	50.0	-9.6	50.0
1,2,3-Trimethylbenzene	Ave	2.734	2.557		46.8	50.0	-6.5	50.0
1,3,5-Trichlorobenzene	Ave	1.303	1.247		47.8	50.0	-4.3	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4755.D
 Lims ID: CCV Client ID:
 Inject. Date: 30-Aug-2011 12:34:30 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: CCV
 Misc. Info.: 480-0005649-003 =480-0005649-003
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 29441 Lims Sample ID: 3
 Sublist: chrom-P-8260 Soil*sub4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P-8260 Soil.m
 Last Update: 30-Aug-2011 13:00:39 Calib Date: 18-Aug-2011 21:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4565.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 30-Aug-2011 13:00:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.066	8.066	0.0	94	676886	50.0	
* 2 Chlorobenzene-d5	82	11.838	11.838	0.0	83	305312	50.0	
* 3 1,4-Dichlorobenzene-d4	152	14.983	14.983	0.0	92	358126	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.628	7.628	0.0	98	129893	41.5	
\$ 5 Toluene-d8 (Surr)	98	9.891	9.891	0.0	91	857758	49.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.450	13.450	0.0	96	364011	52.3	
15 Chlorodifluoromethane	51	2.828	2.828	0.0	77	257498	52.7	
19 Dichlorofluoromethane	67	4.008	4.008	0.0	82	440810	50.1	
20 Ethyl ether	59	4.355	4.355	0.0	94	191372	47.6	
23 Isopropyl alcohol	45	4.897	4.897	0.0	99	439989	1100.3	
28 3-Chloro-1-propene	41	5.091	5.091	0.0	91	352900	48.6	
33 2-Methyl-2-propanol	59	5.347	5.347	0.0	99	706121	1145.6	
36 Hexane	57	5.748	5.748	0.0	93	338114	48.9	
37 Isopropyl ether	45	5.980	5.980	0.0	97	783677	47.1	
39 1,1-Dimethoxyethane	75	6.077	6.077	0.0	66	236539	294.6	
41 2-Chloro-1,3-butadiene	53	6.101	6.101	0.0	88	328249	48.5	
26 Propene oxide	58		6.211					
42 Tert-butyl ethyl ether	59	6.387	6.387	0.0	99	708968	48.7	
46 Ethyl acetate	43	6.667	6.667	0.0	98	207292	46.9	
47 Propionitrile	54	6.789	6.789	0.0	100	389707	525.0	
48 Methacrylonitrile	41	6.941	6.941	0.0	93	142869	48.8	
72 2-Nitropropane	43	7.500	7.500	0.0	83	585937	249.6	
58 Tert-amyl methyl ether	73	7.707	7.707	0.0	98	619978	50.4	
59 n-Heptane	43	7.823	7.823	0.0	94	360873	47.5	
61 n-Butanol	56	8.273	8.273	0.0	89	368912	2249.8	
65 Methyl methacrylate	41	8.735	8.735	0.0	90	188952	47.3	
68 1,4-Dioxane	88	8.857	8.857	0.0	92	127175	2120.1	
53 Isobutyl alcohol	43	9.332	9.332	0.0	58	297662	2218.2	
74 Epichlorohydrin	57	9.490	9.490	0.0	98	549265	1113.8	
84 3-Chlorobenzotrifluoride	180	11.741	11.741	0.0	90	414782	51.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
86 4-Chlorobenzotrifluoride	180	11.820	11.820	0.0	94	407393	51.0	
91 2-Chlorobenzotrifluoride	180	13.049	13.049	0.0	98	420403	51.1	
96 Cyclohexanone	55	13.420	13.420	0.0	91	708013	494.1	
104 3-Chlorotoluene	126	13.986	13.986	0.0	95	278327	48.0	
108 Pentachloroethane	167	14.497	14.497	0.0	86	147703	78.7	
114 Dicyclopentadiene	66	15.014	15.014	0.0	96	1037252	45.2	
113 1,2,3-Trimethylbenzene	105	15.032	15.032	0.0	81	915551	46.8	
118 1,3,5-Trichlorobenzene	180	16.687	16.687	0.0	95	446648	47.8	

Report Date: 30-Aug-2011 13:00:39

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4755.D

Injection Date: 30-Aug-2011 12:34:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 29441

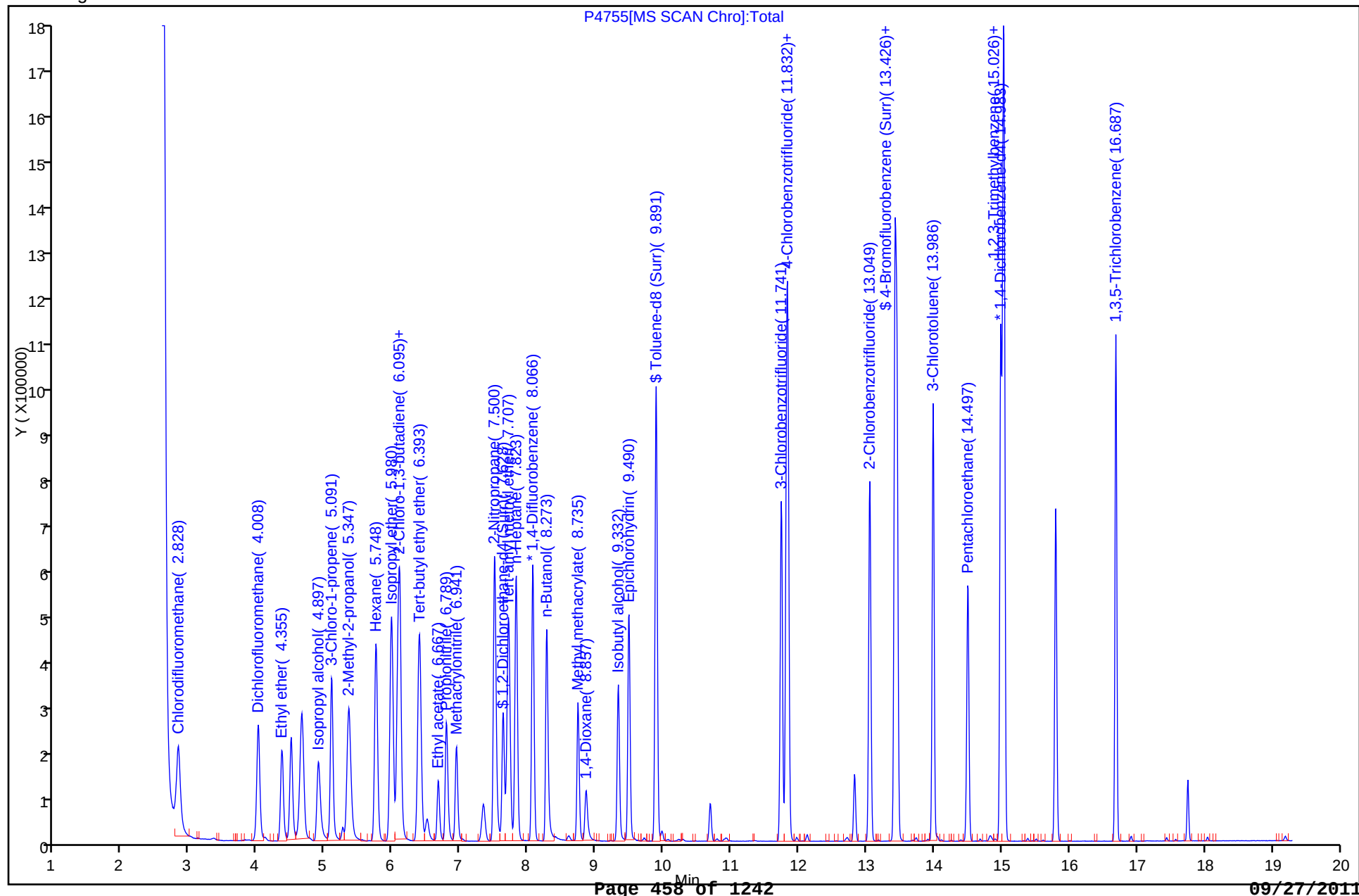
Lims Sample ID: 3

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3627.D
Lims ID: BFB Client ID:
Inject. Date: 31-Aug-2011 14:02:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0005677-001 =480-0005677-001
Operator: PJQ Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 29632 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F-8260 SOIL.m
Last Update: 31-Aug-2011 14:04:16 Calib Date: 30-Jul-2011 08:15:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20110730-4956.b\F2890.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 31-Aug-2011 14:04:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
\$ 61 BFB	95	4.664	4.664	0.0	0	640450	0	

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3627.D

Injection Date: 31-Aug-2011 14:02:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29632

Lims Sample ID: 1

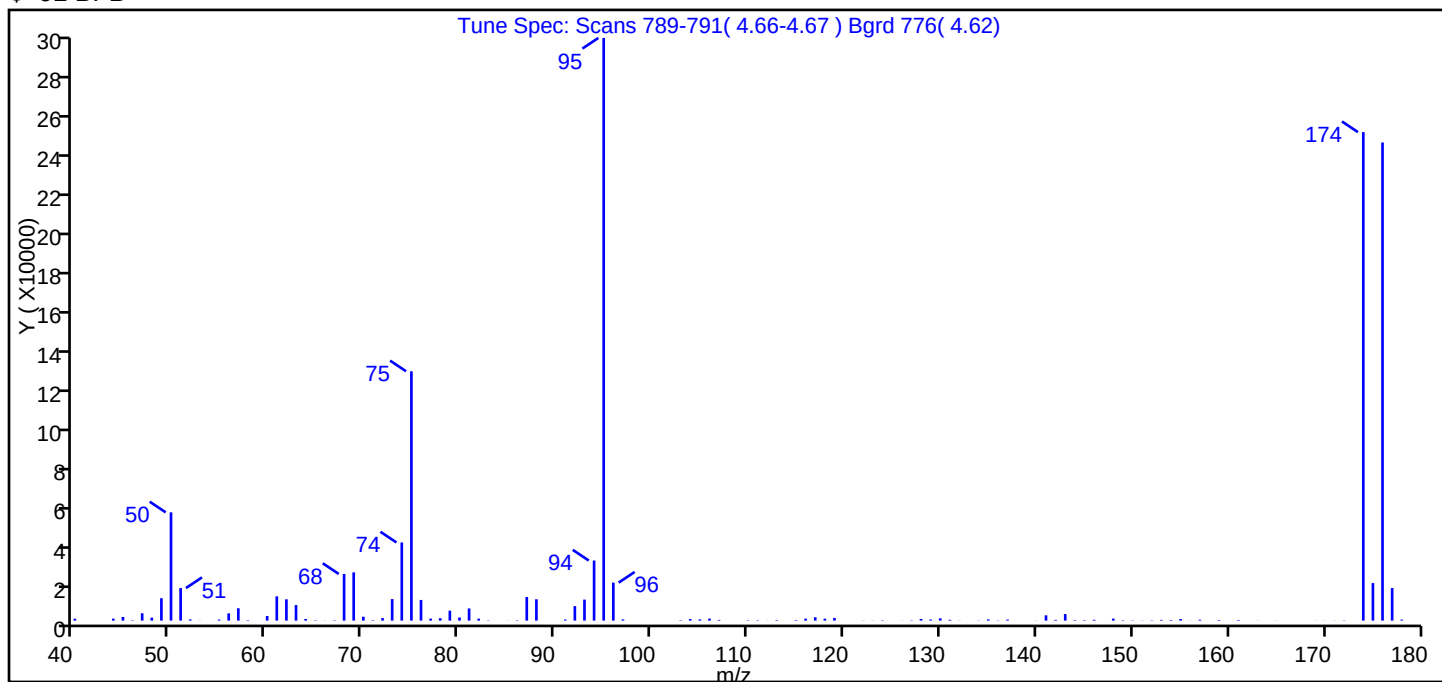
Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.58
75	30.00 - 60.00% of mass 95	42.79
96	5.00 - 9.00% of mass 95	6.52
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	83.83
175	5.00 - 9.00% of mass 174	6.44 (7.68)
176	95.00 - 101.00% of mass 174	82.06 (97.89)
177	5.00 - 9.00% of mass 176	5.59 (6.81)

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3627.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 31-Aug-2011 14:02:30
Spectrum: Tune Spec: Scans 789-791(4.66-4.67) Bgrd 776(4.62)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 108

m/z	Y	m/z	Y	m/z	Y	m/z	Y
40.00	960	72.00	1289	107.00	349	143.00	3353
44.00	1022	73.00	11056	110.00	189	144.00	259
45.00	1865	74.00	40184	111.00	195	145.00	244
46.00	208	75.00	128216	112.00	53	146.00	432
47.00	3784	76.00	10622	113.00	276	148.00	1028
48.00	1515	77.00	1027	115.00	289	149.00	223
49.00	11507	78.00	1225	116.00	1003	150.00	149
50.00	55672	79.00	5130	117.00	1707	151.00	82
51.00	16728	80.00	1587	118.00	1002	152.00	170
52.00	595	81.00	6254	119.00	1372	153.00	376
53.00	57	82.00	1021	122.00	82	154.00	291
55.00	516	83.00	155	123.00	68	155.00	795
56.00	3707	85.00	52	124.00	187	156.00	52
57.00	6338	86.00	184	126.00	51	157.00	423
58.00	250	87.00	12164	127.00	171	159.00	300
60.00	2363	88.00	10976	128.00	852	161.00	317
61.00	12469	91.00	536	129.00	545	163.00	51
62.00	10953	92.00	7452	130.00	1169	165.00	60
63.00	7989	93.00	10799	131.00	418	169.00	50
64.00	850	94.00	30896	132.00	67	170.00	52
65.00	181	95.00	299648	134.00	107	171.00	66
66.00	62	96.00	19528	135.00	608	172.00	128
67.00	187	97.00	623	136.00	132	174.00	251200
68.00	23984	103.00	208	137.00	517	175.00	19304
69.00	24816	104.00	807	140.00	76	176.00	245888
70.00	1987	105.00	643	141.00	2718	177.00	16736
71.00	230	106.00	1012	142.00	380	178.00	499

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3645.D
Lims ID: BFB Client ID:
Inject. Date: 01-Sep-2011 12:36:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0005704-001 =480-0005704-001
Operator: PJQ Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 29774 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F-8260 SOIL.m
Last Update: 01-Sep-2011 12:38:11 Calib Date: 31-Aug-2011 20:52:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3643.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 01-Sep-2011 12:38:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
\$ 61 BFB	95	4.664	4.664	0.0	0	646418	0	

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3645.D

Injection Date: 01-Sep-2011 12:36:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29774

Lims Sample ID: 1

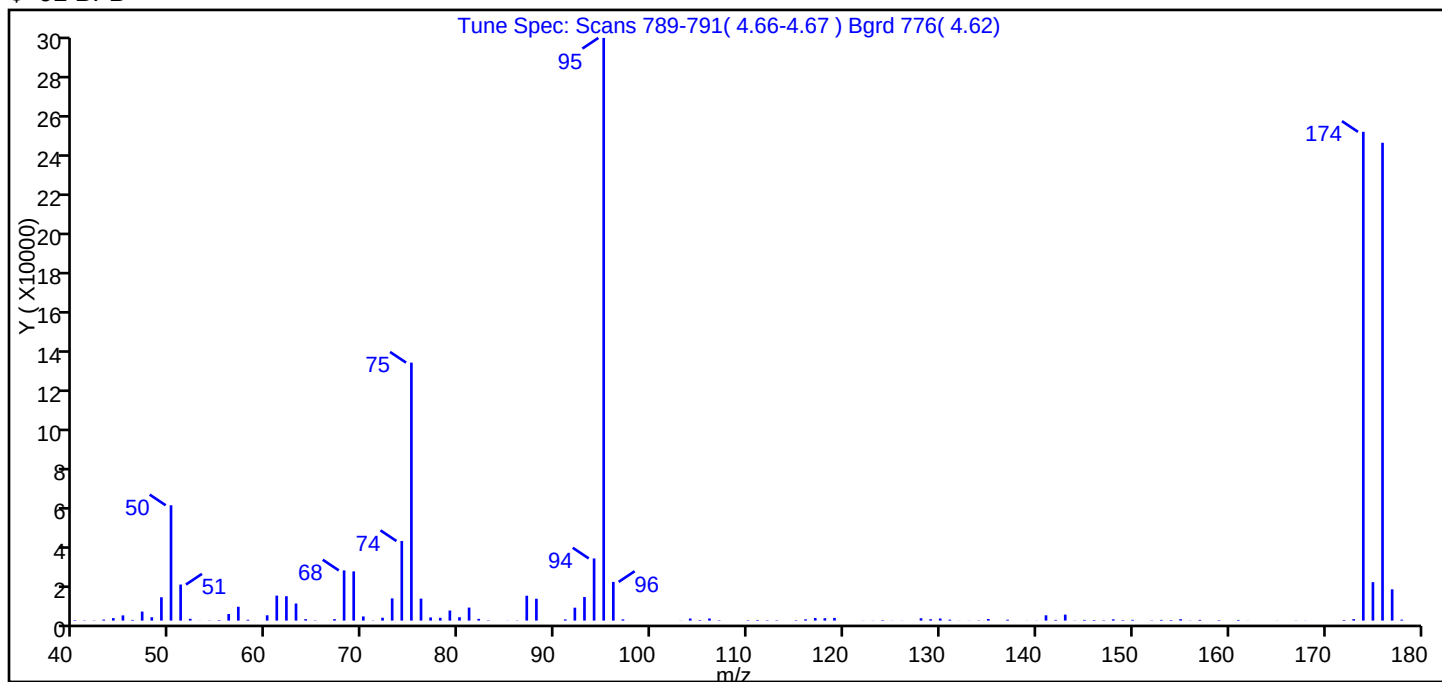
Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.79
75	30.00 - 60.00% of mass 95	44.28
96	5.00 - 9.00% of mass 95	6.64
173	Less than 2.00% of mass 174	0.26 (0.30)
174	Greater than 50.00% of mass 95	83.89
175	5.00 - 9.00% of mass 174	6.60 (7.87)
176	95.00 - 101.00% of mass 174	82.01 (97.76)
177	5.00 - 9.00% of mass 176	5.37 (6.55)

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3645.D\F-8260 SOIL.rslt\spectra.d
 Injection Date: 01-Sep-2011 12:36:30
 Spectrum: Tune Spec: Scans 789-791(4.66-4.67) Bgrd 776(4.62)
 Base Peak: 95.00
 Minimum % Base Peak: 0
 Number of Points: 112

m/z	Y	m/z	Y	m/z	Y	m/z	Y
40.00	266	70.00	2108	106.00	1071	142.00	358
41.00	155	71.00	126	107.00	217	143.00	3048
42.00	133	72.00	1438	110.00	213	144.00	92
43.00	499	73.00	11298	111.00	313	145.00	356
44.00	1271	74.00	40472	112.00	205	146.00	286
45.00	2653	75.00	131200	113.00	199	147.00	193
46.00	353	76.00	11185	115.00	225	148.00	641
47.00	4582	77.00	1596	116.00	658	149.00	263
48.00	1698	78.00	1402	117.00	1316	150.00	394
49.00	11866	79.00	5129	118.00	1241	152.00	138
50.00	58648	80.00	1715	119.00	1366	153.00	362
51.00	18336	81.00	6621	122.00	67	154.00	294
52.00	914	82.00	893	123.00	79	155.00	714
53.00	55	83.00	186	124.00	245	156.00	89
54.00	117	85.00	65	125.00	56	157.00	368
55.00	267	86.00	125	126.00	67	159.00	238
56.00	3359	87.00	12658	128.00	1202	161.00	347
57.00	7035	88.00	11114	129.00	696	162.00	51
58.00	442	91.00	618	130.00	1061	165.00	50
60.00	2704	92.00	6567	131.00	478	167.00	78
61.00	12702	93.00	12010	132.00	54	168.00	59
62.00	12402	94.00	31608	133.00	59	172.00	322
63.00	8692	95.00	296320	134.00	147	173.00	758
64.00	731	96.00	19680	135.00	810	174.00	248576
65.00	155	97.00	636	137.00	451	175.00	19552
67.00	744	103.00	56	139.00	50	176.00	243008
68.00	25528	104.00	1047	140.00	73	177.00	15905
69.00	25024	105.00	271	141.00	2688	178.00	476

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3807.D
Lims ID: BFB Client ID:
Inject. Date: 10-Sep-2011 12:39:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0005865-001 =480-0005865-001
Operator: PJQ Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 30731 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F-8260 SOIL.m
Last Update: 10-Sep-2011 12:41:02 Calib Date: 01-Sep-2011 15:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 10-Sep-2011 12:41:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
\$ 61 BFB	95	4.668	4.668	0.0	0	728548	0	

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3807.D

Injection Date: 10-Sep-2011 12:39:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 30731

Lims Sample ID: 1

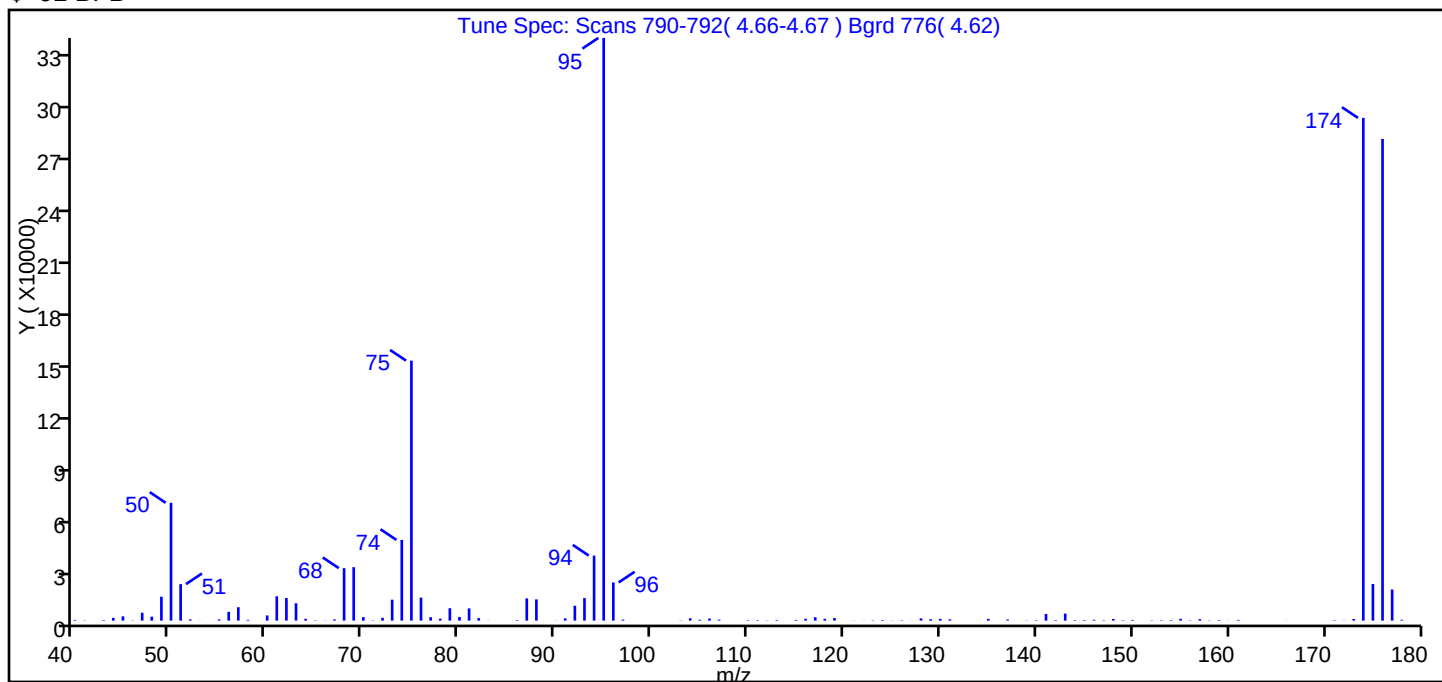
Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.22
75	30.00 - 60.00% of mass 95	44.62
96	5.00 - 9.00% of mass 95	6.55
173	Less than 2.00% of mass 174	0.27 (0.31)
174	Greater than 50.00% of mass 95	86.28
175	5.00 - 9.00% of mass 174	6.28 (7.28)
176	95.00 - 101.00% of mass 174	82.68 (95.83)
177	5.00 - 9.00% of mass 176	5.34 (6.46)

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3807.D\F-8260 SOIL.rslt\spectra.d
 Injection Date: 10-Sep-2011 12:39:30
 Spectrum: Tune Spec: Scans 790-792(4.66-4.67) Bgrd 776(4.62)
 Base Peak: 95.00
 Minimum % Base Peak: 0
 Number of Points: 111

m/z	Y	m/z	Y	m/z	Y	m/z	Y
40.00	397	71.00	185	107.00	545	143.00	4049
41.00	143	72.00	1611	110.00	261	144.00	322
43.00	326	73.00	12138	111.00	306	145.00	334
44.00	1572	74.00	46752	112.00	128	146.00	488
45.00	2471	75.00	150656	113.00	375	147.00	222
46.00	132	76.00	13305	115.00	427	148.00	917
47.00	4575	77.00	1981	116.00	1036	149.00	242
48.00	2272	78.00	1117	117.00	1944	150.00	398
49.00	13842	79.00	7182	118.00	1036	152.00	184
50.00	68272	80.00	2127	119.00	1492	153.00	246
51.00	21136	81.00	7080	121.00	73	154.00	313
52.00	713	82.00	1441	122.00	51	155.00	1041
53.00	65	83.00	93	123.00	216	156.00	187
55.00	711	86.00	326	124.00	344	157.00	842
56.00	5087	87.00	12883	125.00	114	158.00	163
57.00	7742	88.00	12306	126.00	224	159.00	338
58.00	437	90.00	68	127.00	52	160.00	52
60.00	2994	91.00	1266	128.00	1271	161.00	408
61.00	14068	92.00	8598	129.00	837	166.00	51
62.00	13110	93.00	13054	130.00	1008	171.00	218
63.00	10031	94.00	37680	131.00	756	172.00	104
64.00	1045	95.00	337664	134.00	65	173.00	916
65.00	204	96.00	22112	135.00	1018	174.00	291328
66.00	91	97.00	596	137.00	611	175.00	21208
67.00	705	103.00	116	139.00	129	176.00	279168
68.00	30400	104.00	1357	140.00	245	177.00	18040
69.00	30952	105.00	490	141.00	3844	178.00	487
70.00	2007	106.00	1182	142.00	318		

TestAmerica Laboratories
Target Compound Quantitation Report

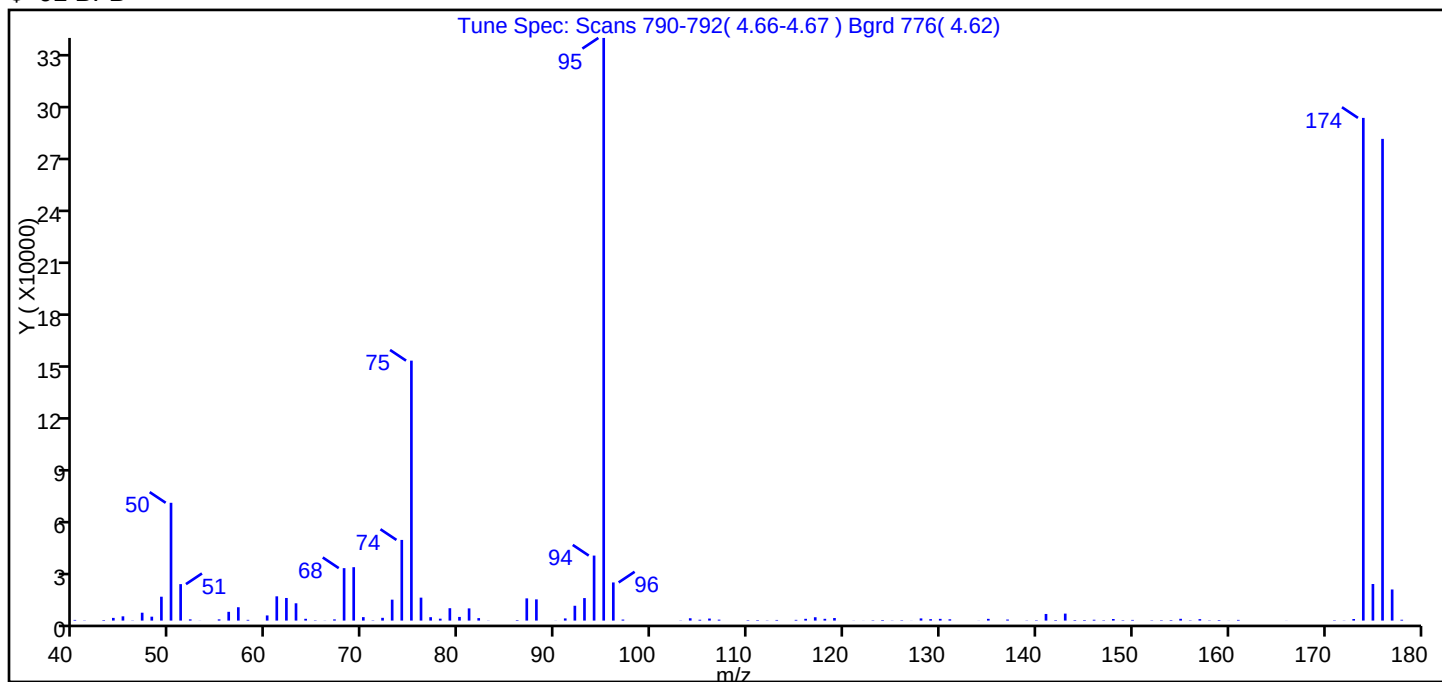
Data File: \\Bufchrom\ChromData\HP5973F\20110919-6069.b\F3807A.D
Lims ID: BFB Client ID:
Inject. Date: 10-Sep-2011 12:39:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0005865-001 =480-0005865-001
Operator: PJQ Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 31837 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20110919-6069.b\F-8260 SOIL.m
Last Update: 19-Sep-2011 14:48:25 Calib Date: 01-Sep-2011 15:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
\$ 61 BFB	95	4.668	4.668	0.0	0	728548	0	

Data File: \\Bufchrom\ChromData\HP5973F\20110919-6069.b\F3807A.D
Injection Date: 10-Sep-2011 12:39:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973F
Lims Batch ID: 31837 Lims Sample ID: 1
Operator ID: PJQ
Column Type: ZB-624 Column Dia: 0.25 mm
Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.22
75	30.00 - 60.00% of mass 95	44.62
96	5.00 - 9.00% of mass 95	6.55
173	Less than 2.00% of mass 174	0.27 (0.31)
174	Greater than 50.00% of mass 95	86.28
175	5.00 - 9.00% of mass 174	6.28 (7.28)
176	95.00 - 101.00% of mass 174	82.68 (95.83)
177	5.00 - 9.00% of mass 176	5.34 (6.46)

Data File: \\Bufchrom\ChromData\HP5973F\20110919-6069.b\F3807A.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 10-Sep-2011 12:39:30
Spectrum: Tune Spec: Scans 790-792(4.66-4.67) Bgrd 776(4.62)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 111

m/z	Y	m/z	Y	m/z	Y	m/z	Y
40.00	397	71.00	185	107.00	545	143.00	4049
41.00	143	72.00	1611	110.00	261	144.00	322
43.00	326	73.00	12138	111.00	306	145.00	334
44.00	1572	74.00	46752	112.00	128	146.00	488
45.00	2471	75.00	150656	113.00	375	147.00	222
46.00	132	76.00	13305	115.00	427	148.00	917
47.00	4575	77.00	1981	116.00	1036	149.00	242
48.00	2272	78.00	1117	117.00	1944	150.00	398
49.00	13842	79.00	7182	118.00	1036	152.00	184
50.00	68272	80.00	2127	119.00	1492	153.00	246
51.00	21136	81.00	7080	121.00	73	154.00	313
52.00	713	82.00	1441	122.00	51	155.00	1041
53.00	65	83.00	93	123.00	216	156.00	187
55.00	711	86.00	326	124.00	344	157.00	842
56.00	5087	87.00	12883	125.00	114	158.00	163
57.00	7742	88.00	12306	126.00	224	159.00	338
58.00	437	90.00	68	127.00	52	160.00	52
60.00	2994	91.00	1266	128.00	1271	161.00	408
61.00	14068	92.00	8598	129.00	837	166.00	51
62.00	13110	93.00	13054	130.00	1008	171.00	218
63.00	10031	94.00	37680	131.00	756	172.00	104
64.00	1045	95.00	337664	134.00	65	173.00	916
65.00	204	96.00	22112	135.00	1018	174.00	291328
66.00	91	97.00	596	137.00	611	175.00	21208
67.00	705	103.00	116	139.00	129	176.00	279168
68.00	30400	104.00	1357	140.00	245	177.00	18040
69.00	30952	105.00	490	141.00	3844	178.00	487
70.00	2007	106.00	1182	142.00	318		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110912-5900.b\F3829.D
Lims ID: BFB Client ID:
Inject. Date: 12-Sep-2011 18:21:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0005900-001 =480-0005900-001
Operator: CDC Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 30918 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20110912-5900.b\F-8260 SOIL.m
Last Update: 12-Sep-2011 18:35:28 Calib Date: 01-Sep-2011 15:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc

Date: 12-Sep-2011 18:35:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
\$ 61 BFB	95	4.661	4.661	0.0	0	649029	0	

Data File: \\Bufchrom\ChromData\HP5973F\20110912-5900.b\F3829.D

Injection Date: 12-Sep-2011 18:21:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 30918

Lims Sample ID: 1

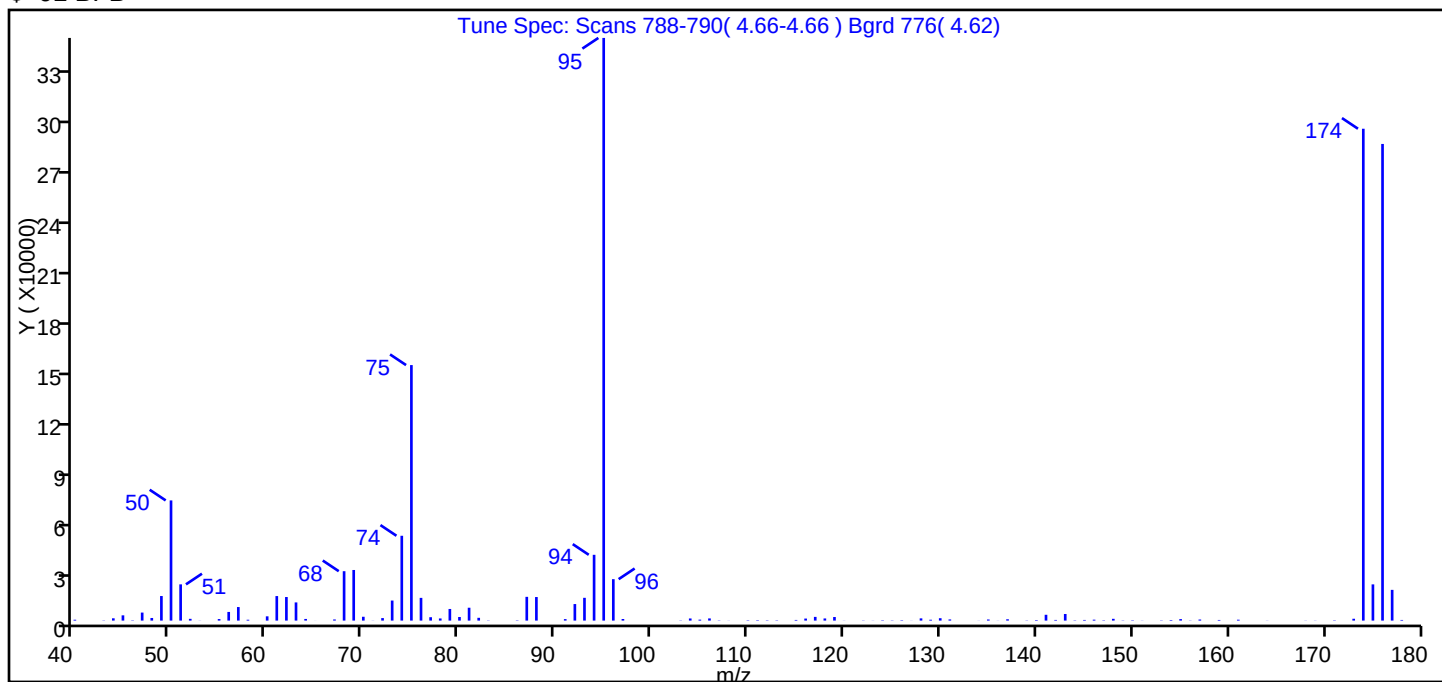
Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.63
75	30.00 - 60.00% of mass 95	43.85
96	5.00 - 9.00% of mass 95	7.11
173	Less than 2.00% of mass 174	0.32 (0.38)
174	Greater than 50.00% of mass 95	84.41
175	5.00 - 9.00% of mass 174	6.22 (7.36)
176	95.00 - 101.00% of mass 174	81.80 (96.91)
177	5.00 - 9.00% of mass 176	5.27 (6.45)

Data File: \\Bufchrom\ChromData\HP5973F\20110912-5900.b\F3829.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 12-Sep-2011 18:21:30
Spectrum: Tune Spec: Scans 788-790(4.66-4.66) Bgrd 776(4.62)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 109

m/z	Y	m/z	Y	m/z	Y	m/z	Y
40.00	516	73.00	11986	111.00	274	144.00	183
43.00	140	74.00	50696	112.00	200	145.00	393
44.00	1371	75.00	152704	113.00	192	146.00	553
45.00	3142	76.00	13582	115.00	391	147.00	204
46.00	196	77.00	2025	116.00	1218	148.00	1066
47.00	4798	78.00	1280	117.00	2217	149.00	134
48.00	1566	79.00	6946	118.00	1282	150.00	223
49.00	14686	80.00	2150	119.00	2134	151.00	77
50.00	71824	81.00	7691	120.00	64	153.00	160
51.00	21656	82.00	1664	122.00	123	154.00	353
52.00	1055	83.00	140	123.00	68	155.00	889
53.00	68	86.00	197	124.00	229	156.00	110
55.00	921	87.00	14196	125.00	152	157.00	636
56.00	5176	88.00	14083	126.00	249	159.00	381
57.00	8099	91.00	881	127.00	50	161.00	533
58.00	516	92.00	9886	128.00	1331	164.00	71
60.00	2554	93.00	13614	129.00	516	168.00	81
61.00	14662	94.00	39320	130.00	1420	169.00	83
62.00	14091	95.00	348224	131.00	694	171.00	202
63.00	10867	96.00	24760	134.00	56	173.00	1103
64.00	987	97.00	952	135.00	660	174.00	293952
65.00	28	103.00	131	136.00	56	175.00	21648
67.00	680	104.00	1269	137.00	793	176.00	284864
68.00	29520	105.00	570	139.00	132	177.00	18368
69.00	30248	106.00	1301	140.00	336	178.00	388
70.00	2291	107.00	155	141.00	3474		
71.00	67	108.00	62	142.00	400		
72.00	1505	110.00	223	143.00	3947		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4549.D
Lims ID: BFB Client ID:
Inject. Date: 18-Aug-2011 14:32:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0005370-002 =480-0005370-002
Operator: PJQ Instrument ID: HP5973P
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 27944 Lims Sample ID: 2
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P-8260 Soil.m
Last Update: 18-Aug-2011 14:35:44 Calib Date: 02-Aug-2011 04:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973P\20110802-4994.b\P4271.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 18-Aug-2011 14:35:44

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 21 BFB	95	6.160	6.160	0.0	0	44263	0	

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4549.D

Injection Date: 18-Aug-2011 14:32:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 27944

Lims Sample ID: 2

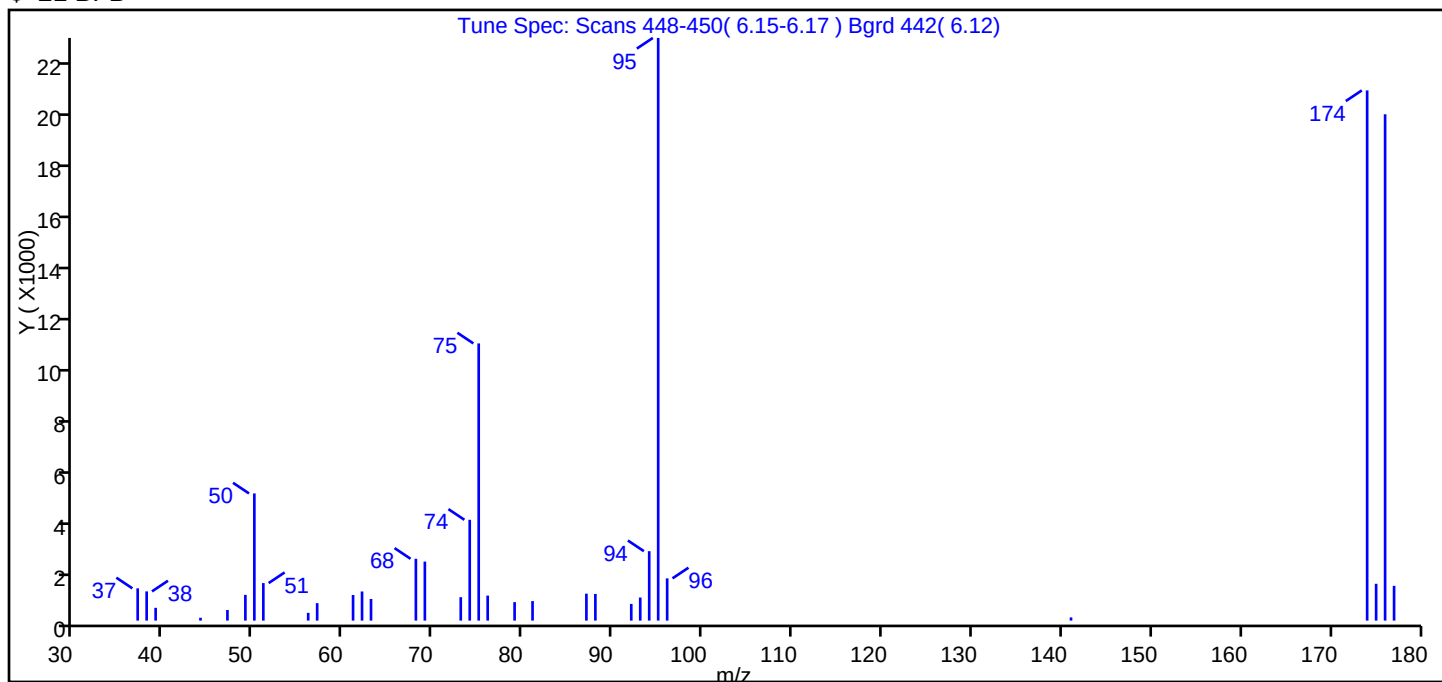
Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.82
75	30.00 - 60.00% of mass 95	47.57
96	5.00 - 9.00% of mass 95	7.25
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	90.99
175	5.00 - 9.00% of mass 174	6.31 (6.94)
176	95.00 - 101.00% of mass 174	86.90 (95.50)
177	5.00 - 9.00% of mass 176	5.96 (6.86)

Data File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4549.D\P-8260 Soil.rslt\spectra.d

Injection Date: 18-Aug-2011 14:32:30

Spectrum: Tune Spec: Scans 448-450(6.15-6.17) Bgrd 442(6.12)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 33

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1244	57.00	674	76.00	964	96.00	1629
38.00	1126	61.00	987	79.00	713	141.00	123
39.00	493	62.00	1123	81.00	753	174.00	20448
44.00	109	63.00	834	87.00	1039	175.00	1419
47.00	409	68.00	2384	88.00	1028	176.00	19528
49.00	992	69.00	2276	92.00	644	177.00	1340
50.00	4904	73.00	903	93.00	890		
51.00	1447	74.00	3888	94.00	2677		
56.00	299	75.00	10690	95.00	22472		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4753.D
Lims ID: BFB Client ID:
Inject. Date: 30-Aug-2011 11:28:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0005649-001 =480-0005649-001
Operator: PJQ Instrument ID: HP5973P
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 29441 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P-8260 Soil.m
Last Update: 30-Aug-2011 11:31:08 Calib Date: 18-Aug-2011 21:23:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4565.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 30-Aug-2011 11:31:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 21 BFB	95	6.166	6.166	0.0	0	46464	0	

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4753.D

Injection Date: 30-Aug-2011 11:28:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 29441

Lims Sample ID: 1

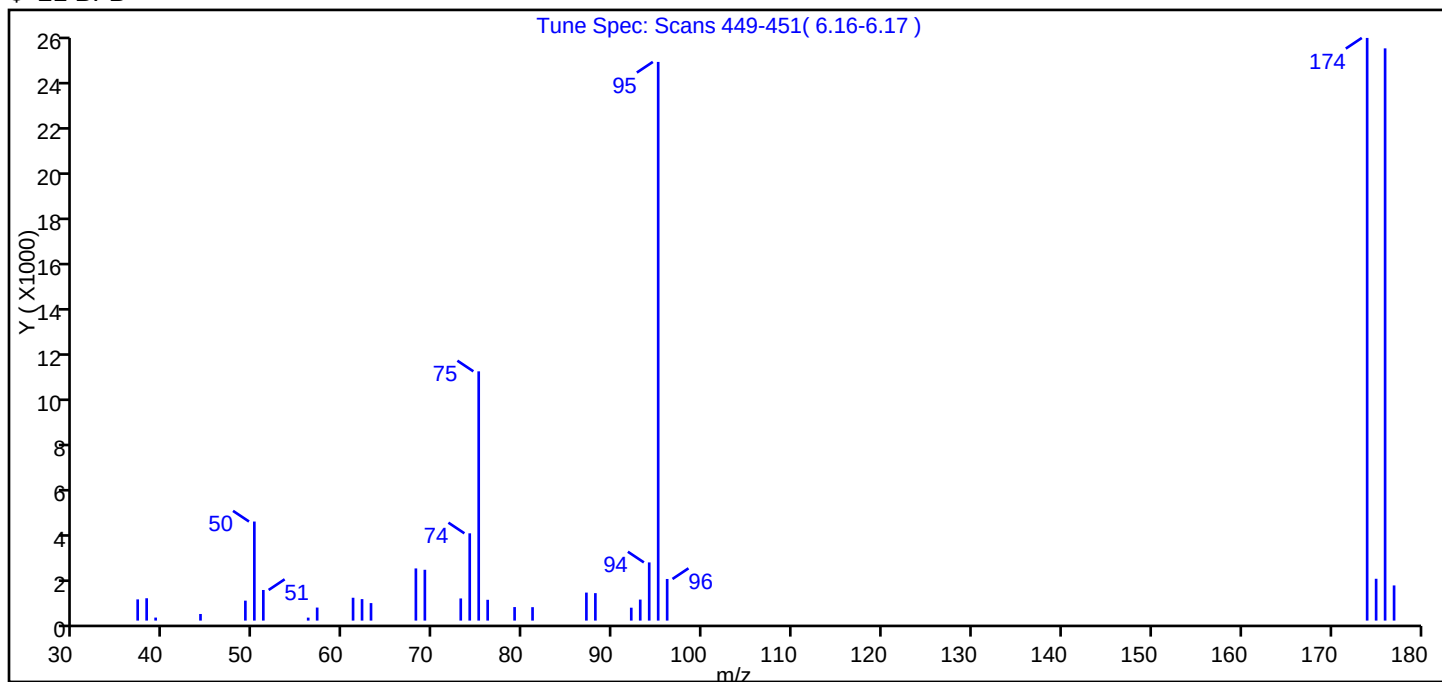
Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.73
75	30.00 - 60.00% of mass 95	44.61
96	5.00 - 9.00% of mass 95	7.45
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	104.29
175	5.00 - 9.00% of mass 174	7.49 (7.18)
176	95.00 - 101.00% of mass 174	102.42 (98.21)
177	5.00 - 9.00% of mass 176	6.30 (6.15)

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4753.D\P-8260 Soil.rslt\spectra.d

Injection Date: 30-Aug-2011 11:28:30

Spectrum: Tune Spec: Scans 449-451(6.16-6.17)

Base Peak: 174.00

Minimum % Base Peak: 0

Number of Points: 31

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	927	57.00	570	75.00	10893	94.00	2543
38.00	977	61.00	999	76.00	909	95.00	24416
39.00	132	62.00	939	79.00	591	96.00	1819
44.00	289	63.00	765	81.00	587	174.00	25464
49.00	872	68.00	2280	87.00	1224	175.00	1828
50.00	4329	69.00	2221	88.00	1200	176.00	25008
51.00	1338	73.00	968	92.00	564	177.00	1537
56.00	130	74.00	3814	93.00	919		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-29441/5

Matrix: Solid Lab File ID: P4757.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(g) Date Analyzed: 08/30/2011 13:25

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 29441 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.81
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.65
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1
75-34-3	1,1-Dichloroethane	ND		5.0	0.61
75-35-4	1,1-Dichloroethene	ND		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.5
106-93-4	1,2-Dibromoethane	ND		5.0	0.64
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.39
107-06-2	1,2-Dichloroethane	ND		5.0	0.25
78-87-5	1,2-Dichloropropane	ND		5.0	2.5
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.26
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.70
591-78-6	2-Hexanone	ND		25	2.5
78-93-3	2-Butanone (MEK)	ND		25	1.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.6
67-64-1	Acetone	ND		25	4.2
71-43-2	Benzene	ND		5.0	0.25
75-27-4	Bromodichloromethane	ND		5.0	0.67
75-25-2	Bromoform	ND		5.0	2.5
74-83-9	Bromomethane	ND		5.0	0.45
75-15-0	Carbon disulfide	ND		5.0	2.5
56-23-5	Carbon tetrachloride	ND		5.0	0.48
108-90-7	Chlorobenzene	ND		5.0	0.66
124-48-1	Dibromochloromethane	ND		5.0	0.64
75-00-3	Chloroethane	ND		5.0	1.1
67-66-3	Chloroform	ND		5.0	0.31
74-87-3	Chloromethane	ND		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.72
110-82-7	Cyclohexane	ND		5.0	0.70
75-71-8	Dichlorodifluoromethane	ND		5.0	0.41
100-41-4	Ethylbenzene	ND		5.0	0.35
98-82-8	Isopropylbenzene	ND		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-29441/5
 Matrix: Solid Lab File ID: P4757.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(g) Date Analyzed: 08/30/2011 13:25
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 29441 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	0.93
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.49
108-87-2	Methylcyclohexane	ND		5.0	0.76
75-09-2	Methylene Chloride	3.21	J	5.0	2.3
100-42-5	Styrene	ND		5.0	0.25
127-18-4	Tetrachloroethene	ND		5.0	0.67
108-88-3	Toluene	0.683	J	5.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.52
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	2.2
79-01-6	Trichloroethene	ND		5.0	1.1
75-69-4	Trichlorofluoromethane	ND		5.0	0.47
75-01-4	Vinyl chloride	ND		5.0	0.61
1330-20-7	Xylenes, Total	ND		10	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	82		64-126
2037-26-5	Toluene-d8 (Surr)	100		71-125
460-00-4	4-Bromofluorobenzene (Surr)	100		72-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 480-29441/5
Matrix: Solid Lab File ID: P4757.D
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 5(g) Date Analyzed: 08/30/2011 13:25
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 29441 Units: ug/Kg
Number TICs Found: 2 TIC Result Total: 14.32

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.34	10.5	T J
91-20-3	Naphthalene	17.75	3.82	J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4757.D
 Lims ID: MB Client ID:
 Inject. Date: 30-Aug-2011 13:25:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0005649-005 =480-0005649-005
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 29441 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P-8260 Soil.m
 Last Update: 30-Aug-2011 13:40:26 Calib Date: 18-Aug-2011 21:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4565.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 30-Aug-2011 13:40:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.066	8.066	0.0	94	620303	50.0	
* 2 Chlorobenzene-d5	82	11.838	11.838	0.0	83	277649	50.0	
* 3 1,4-Dichlorobenzene-d4	152	14.984	14.983	0.001	92	286613	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.628	7.628	0.0	99	117236	40.8	
\$ 5 Toluene-d8 (Surr)	98	9.892	9.891	0.001	92	790459	49.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.450	13.450	0.0	96	317049	50.1	
10 Dichlorodifluoromethane	85		2.816					
15 Chlorodifluoromethane	51		2.828					
11 Chloromethane	50		3.029					
17 Vinyl chloride	62		3.199					
12 Bromomethane	94		3.631					
13 Chloroethane	64		3.741					
19 Dichlorofluoromethane	67		4.008					
14 Trichlorofluoromethane	101		4.045					
20 Ethyl ether	59		4.355					
22 Acrolein	56		4.599					
16 1,1,2-Trichloro-1,2,2-trifluoroethane	101		4.647					
25 1,1-Dichloroethene	96		4.684					
24 Acetone	43		4.769					
23 Isopropyl alcohol	45		4.897					
18 Iodomethane	142		4.909					
27 Carbon disulfide	76		4.994					
28 3-Chloro-1-propene	41		5.091					
30 Methyl acetate	43		5.097					
29 Acetonitrile	40		5.134					
31 Methylene Chloride	84	5.256	5.262	-0.006	82	14679	3.21	
33 2-Methyl-2-propanol	59		5.347					
32 Methyl tert-butyl ether	73		5.499					
35 trans-1,2-Dichloroethene	96		5.542					
34 Acrylonitrile	53		5.554					
36 Hexane	57	5.749	5.748	0.001	52	3091	0.4881	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
37 Isopropyl ether	45		5.980					
38 Vinyl acetate	43		6.010					
40 1,1-Dichloroethane	63		6.028					
39 1,1-Dimethoxyethane	75		6.077					
41 2-Chloro-1,3-butadiene	53		6.101					
26 Propene oxide	58		6.211					
42 Tert-butyl ethyl ether	59		6.387					
46 Ethyl acetate	43		6.667					
44 2-Butanone (MEK)	43		6.667					
45 2,2-Dichloropropane	77		6.673					
43 cis-1,2-Dichloroethene	96		6.685					
47 Propionitrile	54		6.789					
48 Methacrylonitrile	41		6.941					
50 Chlorobromomethane	128		6.983					
51 Tetrahydrofuran	42		7.008					
49 Chloroform	83		7.038					
52 1,1,1-Trichloroethane	97		7.245					
54 Cyclohexane	56		7.288					
56 1,1-Dichloropropene	75		7.409					
55 Carbon tetrachloride	117		7.428					
72 2-Nitropropane	43		7.500					
57 Benzene	78		7.677					
58 Tert-amyl methyl ether	73		7.707					
60 1,2-Dichloroethane	62		7.720					
59 n-Heptane	43		7.823					
61 n-Butanol	56		8.273					
62 Trichloroethene	95		8.407					
64 Methylcyclohexane	83		8.614					
63 1,2-Dichloropropane	63		8.711					
65 Methyl methacrylate	41		8.735					
68 1,4-Dioxane	88		8.857					
69 Dibromomethane	93		8.894					
70 Dichlorobromomethane	83		9.052					
53 Isobutyl alcohol	43		9.332					
71 2-Chloroethyl vinyl ether	63		9.338					
74 Epichlorohydrin	57		9.490					
73 cis-1,3-Dichloropropene	75		9.569					
75 4-Methyl-2-pentanone (MIBK)	43		9.709					
76 Toluene	92	9.983	9.977	0.006	61	6977	0.6826	
66 2-Methylthiophene	97		10.214					
78 trans-1,3-Dichloropropene	75		10.275					
77 Ethyl methacrylate	69		10.281					
67 3-Methylthiophene	97		10.427					
79 1,1,2-Trichloroethane	83		10.542					
80 Tetrachloroethene	166		10.688					
82 1,3-Dichloropropane	76		10.767					
83 2-Hexanone	43		10.786					
81 Chlorodibromomethane	129		11.096					
85 Ethylene Dibromide	107		11.266					
84 3-Chlorobenzotrifluoride	180		11.741					
86 4-Chlorobenzotrifluoride	180		11.820					
87 Chlorobenzene	112		11.881					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
89 Ethylbenzene	91		11.972					
88 1,1,1,2-Tetrachloroethane	131		11.984					
90 m-Xylene & p-Xylene	106		12.124					
93 o-Xylene	106		12.696					
94 Styrene	104		12.726					
91 2-Chlorobenzotrifluoride	180		13.049					
92 Bromoform	173		13.079					
95 Isopropylbenzene	105		13.176					
96 Cyclohexanone	55		13.420					
97 1,1,2,2-Tetrachloroethane	83		13.663					
100 Bromobenzene	156		13.681					
98 trans-1,4-Dichloro-2-butene	53		13.718					
101 1,2,3-Trichloropropane	110		13.730					
99 N-Propylbenzene	91		13.736					
103 2-Chlorotoluene	126		13.907					
102 1,3,5-Trimethylbenzene	105		13.955					
104 3-Chlorotoluene	126		13.986					
105 4-Chlorotoluene	126		14.053					
106 tert-Butylbenzene	134		14.399					
107 1,2,4-Trimethylbenzene	105		14.466					
108 Pentachloroethane	167		14.497					
109 sec-Butylbenzene	105		14.685					
112 4-Isopropyltoluene	119		14.856					
110 1,3-Dichlorobenzene	146		14.904					
114 Dicyclopentadiene	66		15.014					
111 1,4-Dichlorobenzene	146		15.014					
113 1,2,3-Trimethylbenzene	105		15.032					
115 n-Butylbenzene	91		15.385					
116 1,2-Dichlorobenzene	146		15.506					
117 1,2-Dibromo-3-Chloropropane	75		16.492					
118 1,3,5-Trichlorobenzene	180		16.687					
119 1,2,4-Trichlorobenzene	180		17.435					
120 Hexachlorobutadiene	225		17.569					
121 Naphthalene	128	17.752	17.751	0.001	86	59211	3.82	
122 1,2,3-Trichlorobenzene	180		18.043					
S 123 1,2-Dichloroethene, Total	1		30.000					7
S 124 1,3-Dichloropropene, Total	1		30.000					7
S 125 Total BTEX	1				0		0.6826	
S 126 Xylenes, Total	1		30.000					7
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 7 Ethylene oxide	1		0.000					1
T 8 t-Amyl alcohol	59		0.000					1
T 127 Ethanol TIC	45		0.000					1
T 128 Hexachloroethane TIC	1		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4757.D
Lims ID: MB Client ID:
Inject. Date: 30-Aug-2011 13:25:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB
Misc. Info.: 480-0005649-005 =480-0005649-005
Operator: PJQ Instrument ID: HP5973P
Vol. Injected: 1.0000 ALS Bottle#: 5
Lims Batch ID: 29441 Lims Sample ID: 5
Detector: MS SCAN
Method: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P-8260 Soil.m
Last Update: 30-Aug-2011 13:40:26 Calib Date: 18-Aug-2011 21:23:30
Tic RT Window: 1.500 -0.000 Response: area
Quant By: Nearest ISTD Quant LOD: 10.00000
MS Library: \\Bufchrom\ChromData\Database\NIST98.L
Min. Match: 85
Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 30-Aug-2011 13:40:26

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags

Unknown
7.336 278880 10.5 1

Quantitation Compounds

Compound	RT	Response	Amount ug/L

* 1 1,4-Difluorobenzene 8.066 1326425 50.0

QC Flag Legend

Processing Flags

Report Date: 30-Aug-2011 13:40:27

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File:

\\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4757.D

Injection Date: 30-Aug-2011 13:25:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 29441

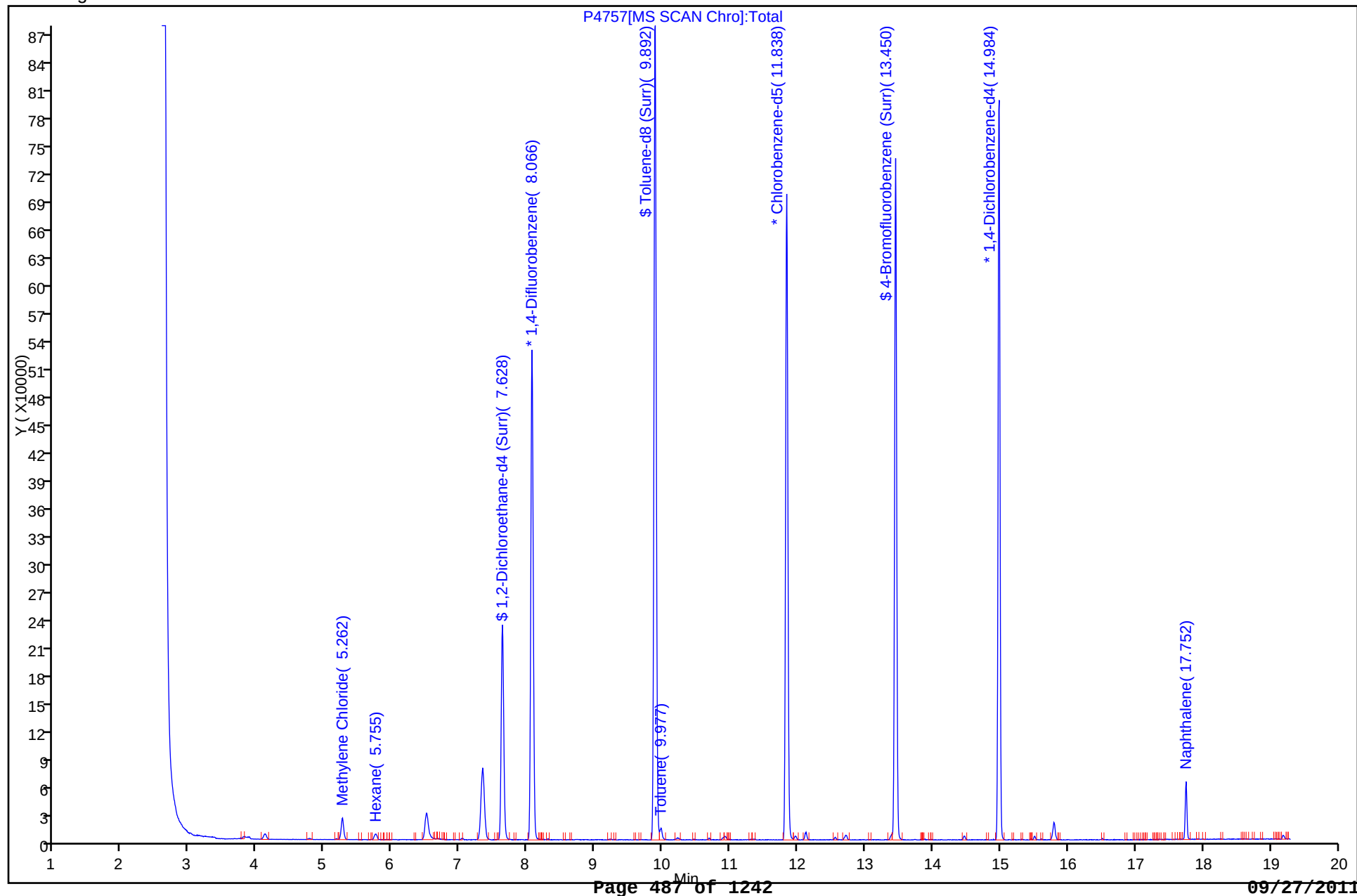
Lims Sample ID: 5

Operator ID: PJQ

Column Type: ZB-624

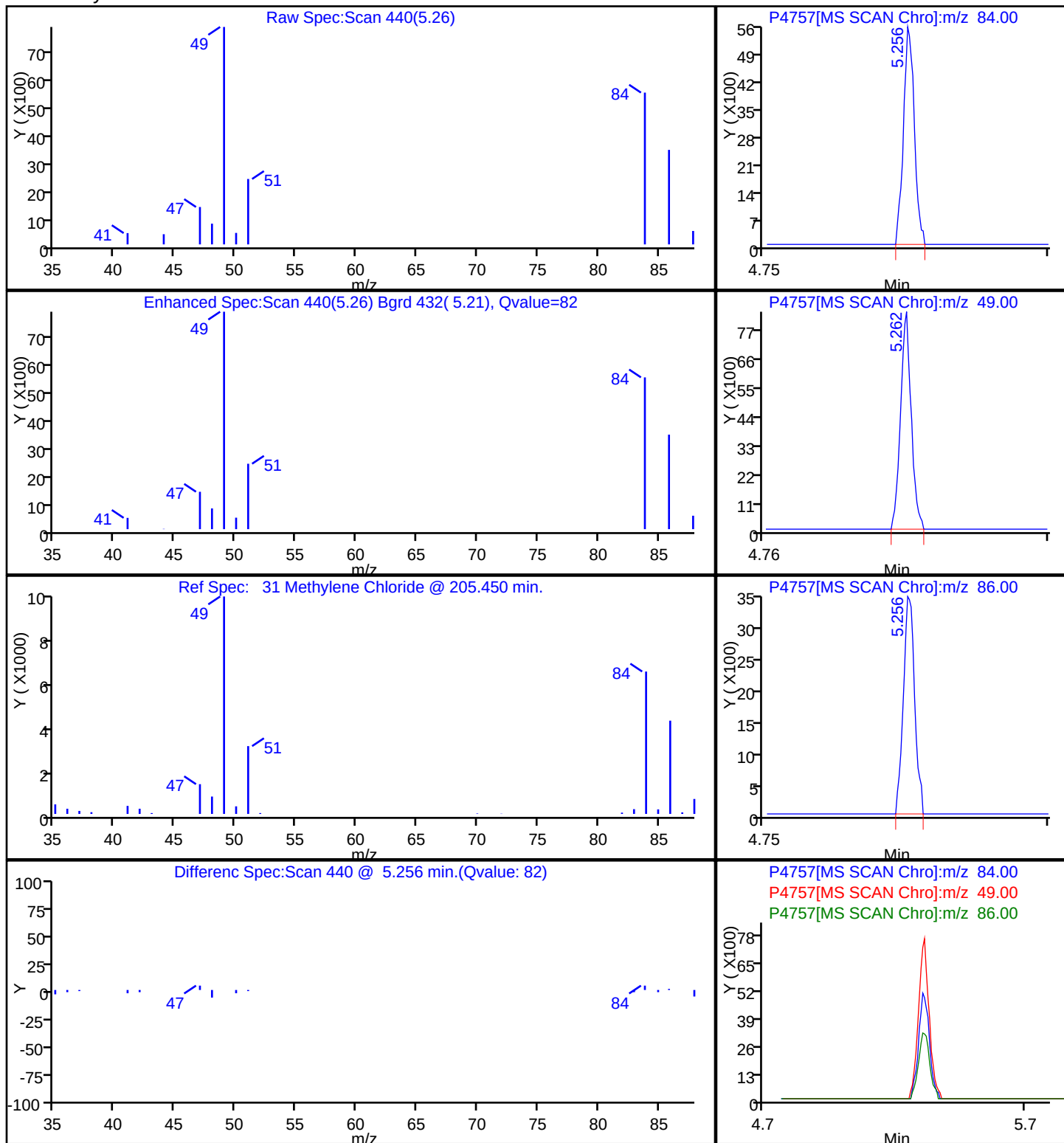
Column Dia: 0.25 mm

Y Scaling:



Report Date: 30-Aug-2011 13:40:27
 Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4757.D
 Injection Date: 30-Aug-2011 13:25:30
 Client ID:
 Lims Batch ID: 29441
 Operator ID: PJQ
 Column Type: ZB-624
 31 Methylene Chloride

Chrom Revision: 2.0 11-Aug-2011 08:33:58
 Limit Group: MV - 8260B ICAL
 Instrument ID: HP5973P
 Lims Sample ID: 5
 Column Dia: 0.25 mm



Report Date: 30-Aug-2011 13:40:27

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4757.D

Injection Date: 30-Aug-2011 13:25:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 29441

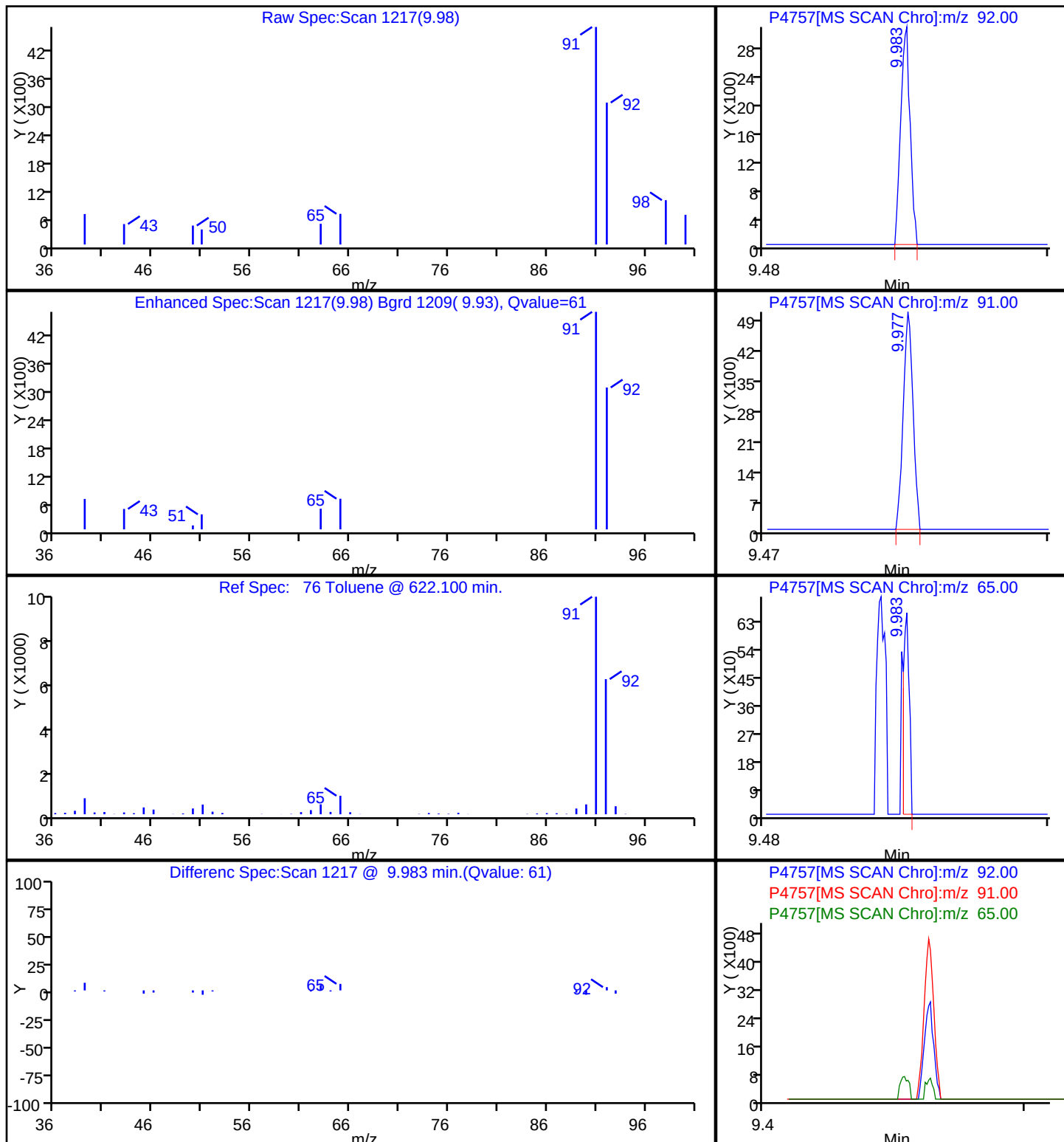
Lims Sample ID: 5

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

76 Toluene



Report Date: 30-Aug-2011 13:40:27

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4757.D

Injection Date: 30-Aug-2011 13:25:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 29441

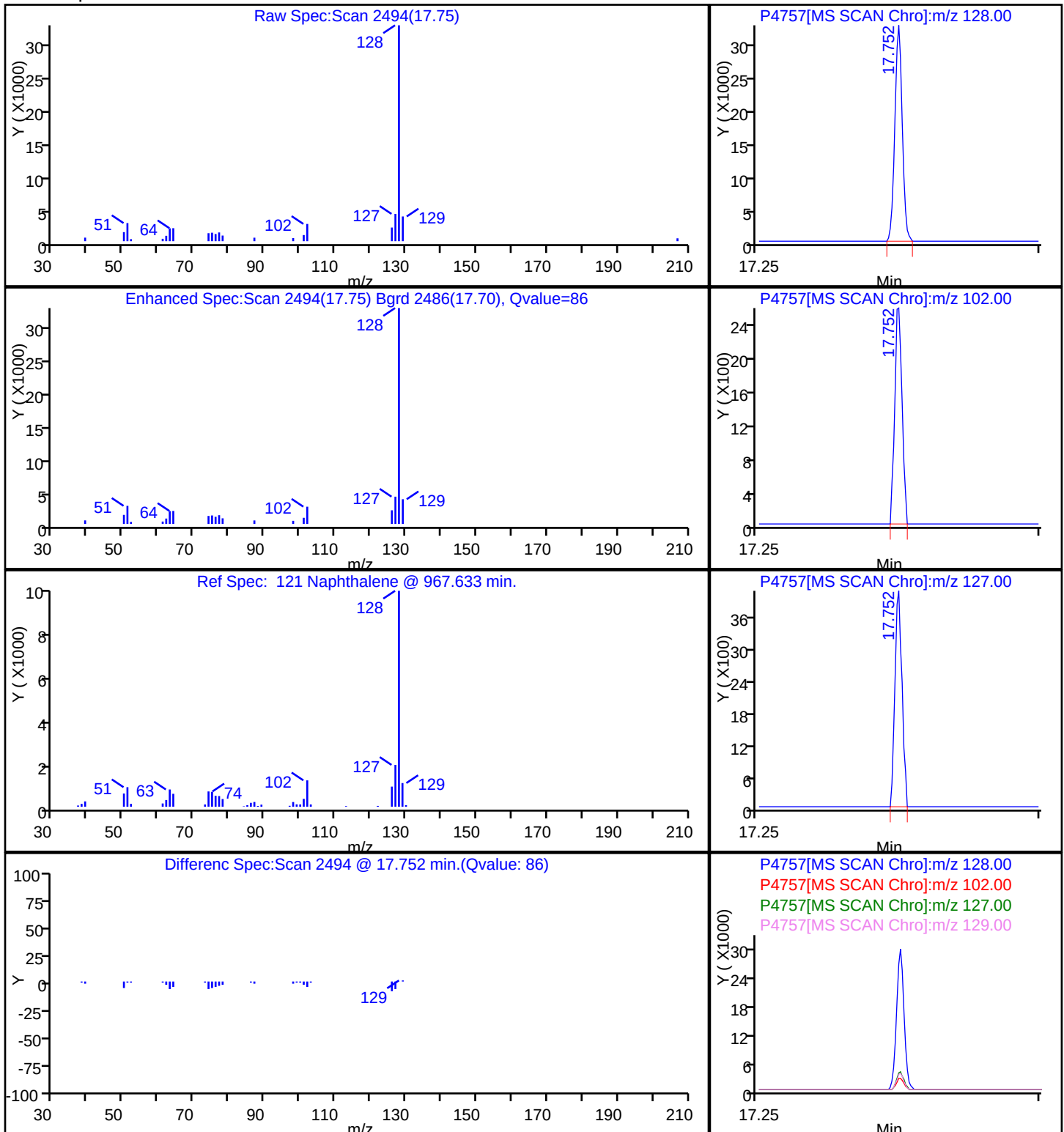
Lims Sample ID: 5

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

121 Naphthalene



Report Date: 30-Aug-2011 13:40:27

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4757.D

Injection Date: 30-Aug-2011 13:25:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 29441

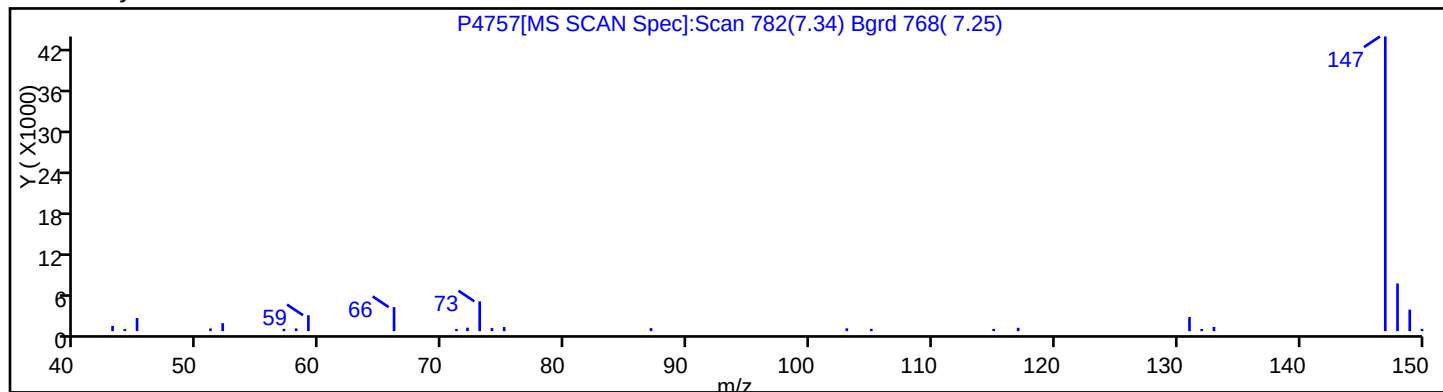
Lims Sample ID: 5

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-30731/5

Matrix: Solid Lab File ID: F3811.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(g) Date Analyzed: 09/10/2011 14:33

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 30731 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.81
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.65
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1
75-34-3	1,1-Dichloroethane	ND		5.0	0.61
75-35-4	1,1-Dichloroethene	ND		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.5
106-93-4	1,2-Dibromoethane	ND		5.0	0.64
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.39
107-06-2	1,2-Dichloroethane	ND		5.0	0.25
78-87-5	1,2-Dichloropropane	ND		5.0	2.5
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.26
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.70
591-78-6	2-Hexanone	ND		25	2.5
78-93-3	2-Butanone (MEK)	ND		25	1.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.6
67-64-1	Acetone	ND		25	4.2
71-43-2	Benzene	ND		5.0	0.25
75-27-4	Bromodichloromethane	ND		5.0	0.67
75-25-2	Bromoform	ND		5.0	2.5
74-83-9	Bromomethane	ND		5.0	0.45
75-15-0	Carbon disulfide	ND		5.0	2.5
56-23-5	Carbon tetrachloride	ND		5.0	0.48
108-90-7	Chlorobenzene	ND		5.0	0.66
124-48-1	Dibromochloromethane	ND		5.0	0.64
75-00-3	Chloroethane	ND		5.0	1.1
67-66-3	Chloroform	ND		5.0	0.31
74-87-3	Chloromethane	ND		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.72
110-82-7	Cyclohexane	ND		5.0	0.70
75-71-8	Dichlorodifluoromethane	ND		5.0	0.41
100-41-4	Ethylbenzene	ND		5.0	0.35
98-82-8	Isopropylbenzene	ND		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-30731/5
 Matrix: Solid Lab File ID: F3811.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(g) Date Analyzed: 09/10/2011 14:33
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 30731 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	0.93
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.49
108-87-2	Methylcyclohexane	ND		5.0	0.76
75-09-2	Methylene Chloride	ND		5.0	2.3
100-42-5	Styrene	ND		5.0	0.25
127-18-4	Tetrachloroethene	ND		5.0	0.67
108-88-3	Toluene	ND		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.52
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	2.2
79-01-6	Trichloroethene	ND		5.0	1.1
75-69-4	Trichlorofluoromethane	ND		5.0	0.47
75-01-4	Vinyl chloride	ND		5.0	0.61
1330-20-7	Xylenes, Total	ND		10	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		64-126
2037-26-5	Toluene-d8 (Surr)	97		71-125
460-00-4	4-Bromofluorobenzene (Surr)	91		72-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 480-30731/5
Matrix: Solid Lab File ID: F3811.D
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 5(g) Date Analyzed: 09/10/2011 14:33
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 30731 Units: ug/Kg
Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3811.D
 Lims ID: MB Client ID:
 Inject. Date: 10-Sep-2011 14:33:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0005865-005 =480-0005865-005
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 30731 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F-8260 SOIL.m
 Last Update: 10-Sep-2011 14:47:06 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 10-Sep-2011 14:47:06

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	95	514482	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	84	240211	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.812	10.819	-0.007	96	252668	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.435	5.429	0.007	96	78922	43.7	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	529817	48.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.724	9.730	-0.006	87	175887	45.7	
10 Dichlorodifluoromethane	85		2.088					
11 Chlorodifluoromethane	51		2.101					
12 Chloromethane	50		2.240					
13 Vinyl chloride	62		2.368					
14 Bromomethane	94		2.654					
15 Chloroethane	64		2.733					
16 Dichlorofluoromethane	67		2.910					
17 Trichlorofluoromethane	101		2.958					
18 Ethyl ether	59		3.141					
19 Propene oxide	58		3.238					
20 Acrolein	56		3.305					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.336					
22 1,1-Dichloroethene	96		3.372					
23 Acetone	43		3.427					
24 Isopropyl alcohol	45		3.506					
25 Iodomethane	142		3.536					
26 Carbon disulfide	76		3.591					
27 Methyl acetate	43		3.646					
28 3-Chloro-1-propene	41		3.652					
29 Acetonitrile	40		3.682					
30 Methylene Chloride	84	3.780	3.767	0.013	68	5692	2.18	
31 2-Methyl-2-propanol	59		3.810					
32 Methyl tert-butyl ether	73		3.920					
34 trans-1,2-Dichloroethene	96		3.956					
33 Acrylonitrile	53		3.974					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
35 Hexane	57		4.090					
36 Isopropyl ether	45		4.248					
37 Vinyl acetate	43		4.278					
39 1,1-Dichloroethane	63		4.297					
38 1,1-Dimethoxyethane	75		4.321					
40 2-Chloro-1,3-butadiene	53		4.346					
41 Tert-butyl ethyl ether	59		4.528					
42 Ethyl acetate	43		4.735					
43 2-Butanone (MEK)	43		4.747					
44 2,2-Dichloropropane	77		4.747					
45 cis-1,2-Dichloroethene	96		4.759					
46 Propionitrile	54		4.838					
47 Methacrylonitrile	41		4.942					
48 Chlorobromomethane	128		4.966					
49 Tetrahydrofuran	42		4.984					
50 Chloroform	83		5.002					
51 1,1,1-Trichloroethane	97		5.148					
52 Cyclohexane	56		5.179					
54 1,1-Dichloropropene	75		5.270					
55 Carbon tetrachloride	117		5.282					
53 Isobutyl alcohol	43		5.319					
57 Benzene	78		5.459					
56 Tert-amyl methyl ether	73		5.465					
58 1,2-Dichloroethane	62		5.495					
59 n-Heptane	43		5.544					
60 n-Butanol	56		5.873					
62 Trichloroethene	95		5.982					
64 Methylcyclohexane	83		6.122					
65 1,2-Dichloropropane	63		6.207					
63 Methyl methacrylate	41		6.207					
66 1,4-Dioxane	88		6.311					
67 Dibromomethane	93		6.341					
68 Dichlorobromomethane	83		6.450					
69 2-Chloroethyl vinyl ether	63		6.651					
70 2-Nitropropane	43		6.663					
71 Epichlorohydrin	57		6.773					
72 cis-1,3-Dichloropropene	75		6.834					
73 4-Methyl-2-pentanone (MIBK)	43		6.931					
74 Toluene	92		7.126					
75 Ethyl methacrylate	69		7.345					
77 trans-1,3-Dichloropropene	75		7.351					
79 1,1,2-Trichloroethane	83		7.551					
81 Tetrachloroethene	166		7.655					
82 1,3-Dichloropropane	76		7.722					
80 2-Hexanone	43		7.722					
83 Chlorodibromomethane	129		7.965					
84 Ethylene Dibromide	107		8.099					
85 3-Chlorobenzotrifluoride	180		8.440					
86 4-Chlorobenzotrifluoride	180		8.495					
87 Chlorobenzene	112		8.549					
88 Ethylbenzene	91		8.610					
89 1,1,1,2-Tetrachloroethane	131		8.628					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
90 m-Xylene & p-Xylene	106		8.726					
91 o-Xylene	106		9.158					
92 Styrene	104		9.182					
93 2-Chlorobenzotrifluoride	180		9.425					
95 Bromoform	173		9.456					
94 Isopropylbenzene	105		9.516					
96 Cyclohexanone	55		9.711					
97 1,1,2,2-Tetrachloroethane	83		9.881					
101 Bromobenzene	156		9.894					
98 trans-1,4-Dichloro-2-butene	53		9.924					
99 N-Propylbenzene	91		9.924					
100 1,2,3-Trichloropropane	110		9.936					
103 2-Chlorotoluene	126		10.052					
102 1,3,5-Trimethylbenzene	105		10.082					
104 3-Chlorotoluene	126		10.107					
105 4-Chlorotoluene	126		10.155					
106 tert-Butylbenzene	134		10.399					
107 1,2,4-Trimethylbenzene	105		10.447					
108 Pentachloroethane	167		10.478					
109 sec-Butylbenzene	105		10.599					
110 4-Isopropyltoluene	119		10.715					
111 1,3-Dichlorobenzene	146		10.757					
114 Dicyclopentadiene	66		10.831					
113 1,4-Dichlorobenzene	146		10.837					
112 1,2,3-Trimethylbenzene	105		10.849					
76 2-Methylthiophene	97		10.900					
78 3-Methylthiophene	97		11.028					
115 n-Butylbenzene	91		11.086					
116 1,2-Dichlorobenzene	146		11.177					
117 1,2-Dibromo-3-Chloropropane	75		11.853					
118 1,3,5-Trichlorobenzene	180		11.974					
119 1,2,4-Trichlorobenzene	180		12.510					
120 Hexachlorobutadiene	225		12.607					
121 Naphthalene	128		12.747					
122 1,2,3-Trichlorobenzene	180		12.972					
S 125 1,2-Dichloroethene, Total	1		30.000					7
S 126 1,3-Dichloropropene, Total	1		30.000					7
S 123 Total BTEX	1		30.000					7
S 124 Xylenes, Total	1		30.000					7
T 127 Ethanol TIC	45		0.000					1
T 128 Hexachloroethane TIC	1		0.000					1
T 129 tert-amyl alcohol TIC	59		0.000					1
T 7 Ethylene oxide	1		0.000					1
T 8 t-Amyl alcohol	59		0.000					1
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Report Date: 10-Sep-2011 14:47:06

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3811.D

Injection Date: 10-Sep-2011 14:33:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 30731

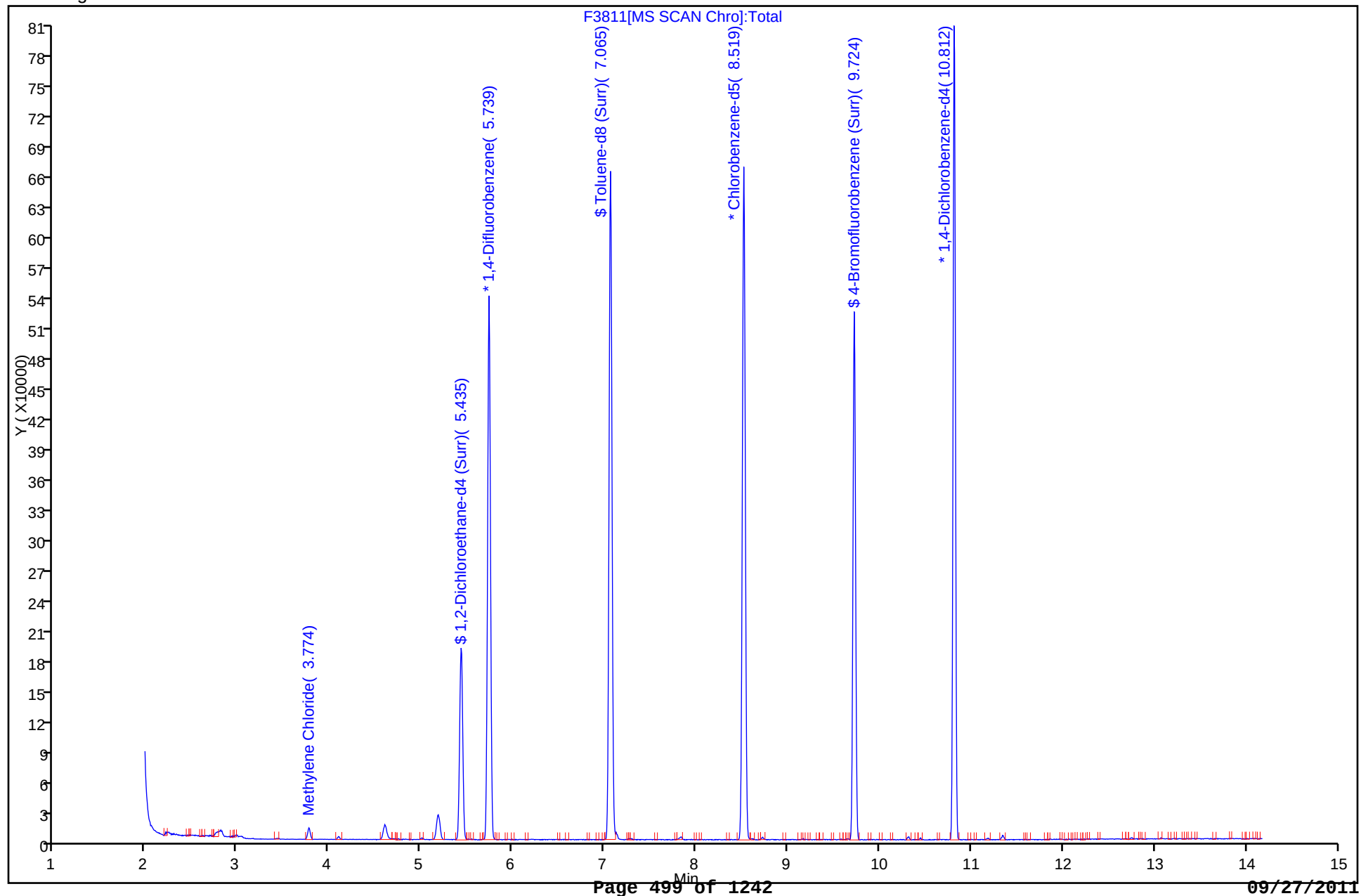
Lims Sample ID: 5

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-30918/5

Matrix: Solid Lab File ID: F3833.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(g) Date Analyzed: 09/12/2011 20:24

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 30918 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.81
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.65
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1
75-34-3	1,1-Dichloroethane	ND		5.0	0.61
75-35-4	1,1-Dichloroethene	ND		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.5
106-93-4	1,2-Dibromoethane	ND		5.0	0.64
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.39
107-06-2	1,2-Dichloroethane	ND		5.0	0.25
78-87-5	1,2-Dichloropropane	ND		5.0	2.5
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.26
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.70
591-78-6	2-Hexanone	ND		25	2.5
78-93-3	2-Butanone (MEK)	ND		25	1.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.6
67-64-1	Acetone	ND		25	4.2
71-43-2	Benzene	ND		5.0	0.25
75-27-4	Bromodichloromethane	ND		5.0	0.67
75-25-2	Bromoform	ND		5.0	2.5
74-83-9	Bromomethane	ND		5.0	0.45
75-15-0	Carbon disulfide	ND		5.0	2.5
56-23-5	Carbon tetrachloride	ND		5.0	0.48
108-90-7	Chlorobenzene	ND		5.0	0.66
124-48-1	Dibromochloromethane	ND		5.0	0.64
75-00-3	Chloroethane	ND		5.0	1.1
67-66-3	Chloroform	ND		5.0	0.31
74-87-3	Chloromethane	ND		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.72
110-82-7	Cyclohexane	ND		5.0	0.70
75-71-8	Dichlorodifluoromethane	ND		5.0	0.41
100-41-4	Ethylbenzene	ND		5.0	0.35
98-82-8	Isopropylbenzene	ND		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-30918/5
 Matrix: Solid Lab File ID: F3833.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(g) Date Analyzed: 09/12/2011 20:24
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 30918 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	0.93
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.49
108-87-2	Methylcyclohexane	ND		5.0	0.76
75-09-2	Methylene Chloride	ND		5.0	2.3
100-42-5	Styrene	ND		5.0	0.25
127-18-4	Tetrachloroethene	ND		5.0	0.67
108-88-3	Toluene	ND		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.52
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	2.2
79-01-6	Trichloroethene	ND		5.0	1.1
75-69-4	Trichlorofluoromethane	ND		5.0	0.47
75-01-4	Vinyl chloride	ND		5.0	0.61
1330-20-7	Xylenes, Total	ND		10	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		64-126
2037-26-5	Toluene-d8 (Surr)	96		71-125
460-00-4	4-Bromofluorobenzene (Surr)	94		72-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 480-30918/5
Matrix: Solid Lab File ID: F3833.D
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 5(g) Date Analyzed: 09/12/2011 20:24
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 30918 Units: ug/Kg
Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110912-5900.b\F3833.D
 Lims ID: MB Client ID:
 Inject. Date: 12-Sep-2011 20:24:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0005900-005 =480-0005900-005
 Operator: CDC Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 30918 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110912-5900.b\F-8260 SOIL.m
 Last Update: 12-Sep-2011 20:33:30 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc

Date: 12-Sep-2011 20:33:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	95	518177	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	86	248741	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.818	0.0	94	264018	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.434	5.434	0.0	96	85139	46.8	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	543518	47.8	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.729	9.723	0.006	90	187780	47.2	
10 Dichlorodifluoromethane	85		2.095					
11 Chlorodifluoromethane	51		2.113					
12 Chloromethane	50		2.247					
13 Vinyl chloride	62		2.368					
14 Bromomethane	94		2.648					
15 Chloroethane	64		2.727					
16 Dichlorofluoromethane	67		2.916					
17 Trichlorofluoromethane	101		2.958					
18 Ethyl ether	59		3.147					
19 Propene oxide	58		3.244					
20 Acrolein	56		3.305					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.336					
22 1,1-Dichloroethene	96		3.366					
23 Acetone	43		3.421					
24 Isopropyl alcohol	45		3.512					
25 Iodomethane	142		3.536					
26 Carbon disulfide	76		3.591					
27 Methyl acetate	43		3.646					
28 3-Chloro-1-propene	41		3.658					
29 Acetonitrile	40		3.682					
30 Methylene Chloride	84		3.768					
31 2-Methyl-2-propanol	59		3.816					
32 Methyl tert-butyl ether	73		3.920					
34 trans-1,2-Dichloroethene	96		3.956					
33 Acrylonitrile	53		3.974					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
35 Hexane	57		4.096					
36 Isopropyl ether	45		4.248					
37 Vinyl acetate	43		4.279					
39 1,1-Dichloroethane	63		4.297					
38 1,1-Dimethoxyethane	75		4.327					
40 2-Chloro-1,3-butadiene	53		4.352					
41 Tert-butyl ethyl ether	59		4.534					
42 Ethyl acetate	43		4.741					
44 2,2-Dichloropropane	77		4.747					
43 2-Butanone (MEK)	43		4.747					
45 cis-1,2-Dichloroethene	96		4.759					
46 Propionitrile	54		4.844					
47 Methacrylonitrile	41		4.942					
48 Chlorobromomethane	128		4.966					
49 Tetrahydrofuran	42		4.984					
50 Chloroform	83		5.003					
51 1,1,1-Trichloroethane	97		5.149					
52 Cyclohexane	56		5.179					
54 1,1-Dichloropropene	75		5.270					
55 Carbon tetrachloride	117		5.282					
53 Isobutyl alcohol	43		5.325					
57 Benzene	78		5.459					
56 Tert-amyl methyl ether	73		5.471					
58 1,2-Dichloroethane	62		5.495					
59 n-Heptane	43		5.544					
60 n-Butanol	56		5.872					
62 Trichloroethene	95		5.988					
64 Methylcyclohexane	83		6.122					
65 1,2-Dichloropropane	63		6.207					
63 Methyl methacrylate	41		6.213					
66 1,4-Dioxane	88		6.317					
67 Dibromomethane	93		6.341					
68 Dichlorobromomethane	83		6.450					
69 2-Chloroethyl vinyl ether	63		6.657					
70 2-Nitropropane	43		6.669					
71 Epichlorohydrin	57		6.779					
72 cis-1,3-Dichloropropene	75		6.834					
73 4-Methyl-2-pentanone (MIBK)	43		6.931					
74 Toluene	92		7.132					
75 Ethyl methacrylate	69		7.339					
77 trans-1,3-Dichloropropene	75		7.351					
79 1,1,2-Trichloroethane	83		7.552					
81 Tetrachloroethene	166		7.655					
80 2-Hexanone	43		7.722					
82 1,3-Dichloropropane	76		7.722					
83 Chlorodibromomethane	129		7.965					
84 Ethylene Dibromide	107		8.099					
85 3-Chlorobenzotrifluoride	180		8.440					
86 4-Chlorobenzotrifluoride	180		8.495					
87 Chlorobenzene	112		8.549					
88 Ethylbenzene	91		8.610					
89 1,1,1,2-Tetrachloroethane	131		8.628					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
90 m-Xylene & p-Xylene	106		8.726					
91 o-Xylene	106		9.158					
92 Styrene	104		9.182					
93 2-Chlorobenzotrifluoride	180		9.425					
95 Bromoform	173		9.456					
94 Isopropylbenzene	105		9.517					
96 Cyclohexanone	55		9.711					
97 1,1,2,2-Tetrachloroethane	83		9.882					
101 Bromobenzene	156		9.894					
98 trans-1,4-Dichloro-2-butene	53		9.924					
99 N-Propylbenzene	91		9.924					
100 1,2,3-Trichloropropane	110		9.930					
103 2-Chlorotoluene	126		10.052					
102 1,3,5-Trimethylbenzene	105		10.082					
104 3-Chlorotoluene	126		10.113					
105 4-Chlorotoluene	126		10.155					
106 tert-Butylbenzene	134		10.399					
107 1,2,4-Trimethylbenzene	105		10.447					
108 Pentachloroethane	167		10.478					
109 sec-Butylbenzene	105		10.599					
110 4-Isopropyltoluene	119		10.715					
111 1,3-Dichlorobenzene	146		10.758					
114 Dicyclopentadiene	66		10.837					
113 1,4-Dichlorobenzene	146		10.837					
112 1,2,3-Trimethylbenzene	105		10.849					
76 2-Methylthiophene	97		10.900					
78 3-Methylthiophene	97		11.028					
115 n-Butylbenzene	91		11.086					
116 1,2-Dichlorobenzene	146		11.183					
117 1,2-Dibromo-3-Chloropropane	75		11.853					
118 1,3,5-Trichlorobenzene	180		11.974					
119 1,2,4-Trichlorobenzene	180		12.510					
120 Hexachlorobutadiene	225		12.601					
121 Naphthalene	128		12.747					
122 1,2,3-Trichlorobenzene	180		12.972					
S 123 Total BTEX	1		30.000					7
S 124 Xylenes, Total	1		30.000					7
S 125 1,2-Dichloroethene, Total	1		30.000					7
S 126 1,3-Dichloropropene, Total	1		30.000					7
T 7 Ethylene oxide	1		0.000					1
T 8 t-Amyl alcohol	59		0.000					1
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 127 Ethanol TIC	45		0.000					1
T 128 Hexachloroethane TIC	1		0.000					1
T 129 tert-amyl alcohol TIC	59		0.000					1

QC Flag Legend

Processing Flags

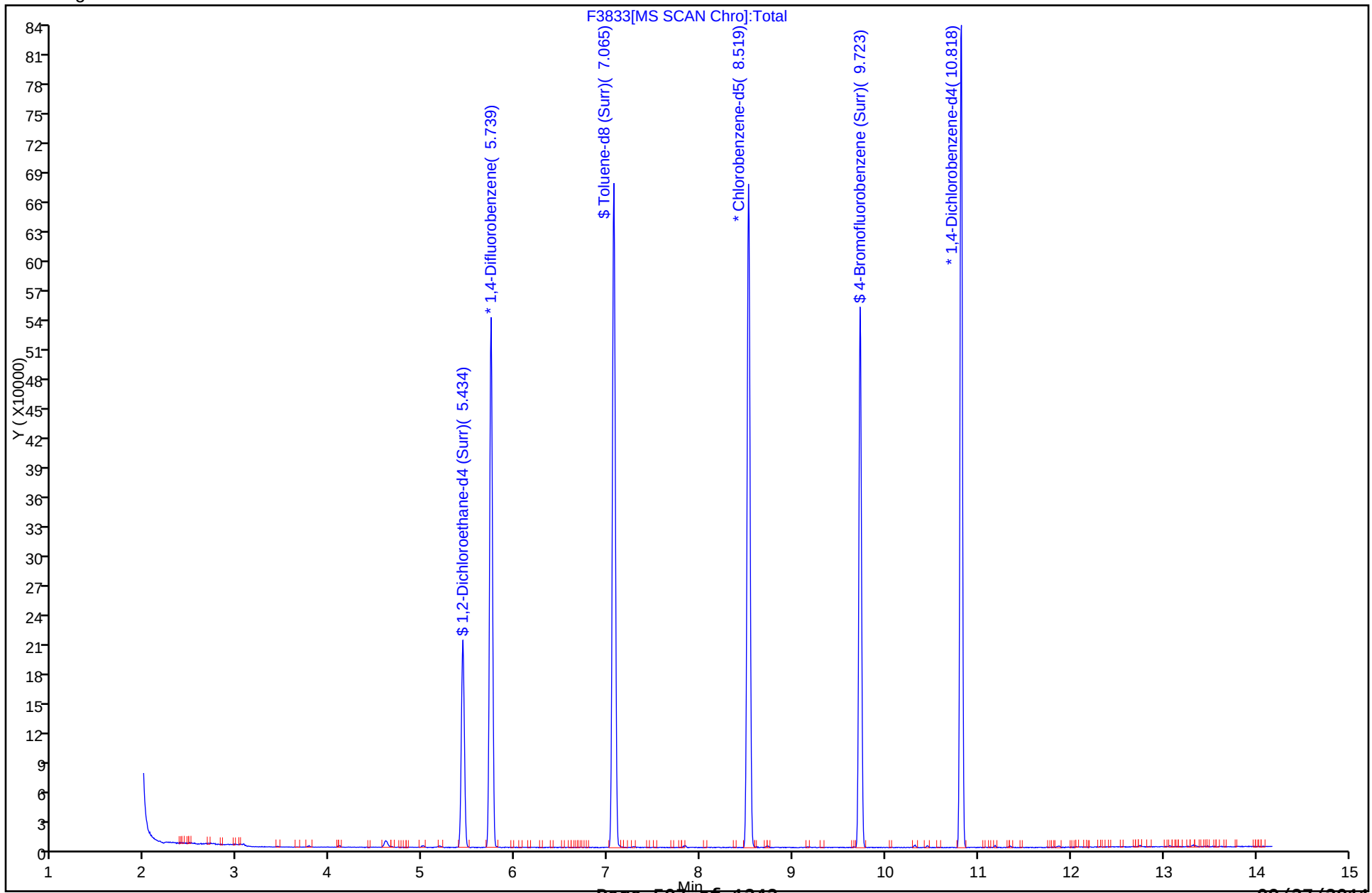
1 - Missing Peaks

7 - Failed Limit of Detection

Report Date: 12-Sep-2011 20:33:30
Data File: \\Bufchrom\ChromData\HP5973F\20110912-5900.b\F3833.D
Injection Date: 12-Sep-2011 20:24:30
Client ID:
Lims Batch ID: 30918
Operator ID: CDC
Column Type: ZB-624

Chrom Revision: 2.0 01-Sep-2011 14:10:00
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973F
Lims Sample ID: 5
Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-31837/5

Matrix: Water Lab File ID: F3811A.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(g) Date Analyzed: 09/10/2011 14:33

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 31837 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-31837/5
 Matrix: Water Lab File ID: F3811A.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(g) Date Analyzed: 09/10/2011 14:33
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 31837 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	2.18		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		66-137
2037-26-5	Toluene-d8 (Surr)	97		71-126
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 480-31837/5
Matrix: Water Lab File ID: F3811A.D
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 5(g) Date Analyzed: 09/10/2011 14:33
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 31837 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110919-6069.b\F3811A.D
 Lims ID: MB Client ID:
 Inject. Date: 10-Sep-2011 14:33:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0005865-005 =480-0005865-005
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 31837 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110919-6069.b\F-8260 SOIL.m
 Last Update: 19-Sep-2011 14:48:27 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: ByrnesJ

Date: 19-Sep-2011 14:44:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	95	514482	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	84	240211	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.812	10.819	-0.007	96	252668	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.435	5.429	0.007	96	78922	43.7	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	529817	48.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.724	9.730	-0.006	87	175887	45.7	
10 Dichlorodifluoromethane	85		2.088					
11 Chlorodifluoromethane	51		2.101					
12 Chloromethane	50		2.240					
13 Vinyl chloride	62		2.368					
14 Bromomethane	94		2.654					
15 Chloroethane	64		2.733					
16 Dichlorofluoromethane	67		2.910					
17 Trichlorofluoromethane	101		2.958					
18 Ethyl ether	59		3.141					
19 Propene oxide	58		3.238					
20 Acrolein	56		3.305					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.336					
22 1,1-Dichloroethene	96		3.372					
23 Acetone	43		3.427					
24 Isopropyl alcohol	45		3.506					
25 Iodomethane	142		3.536					
26 Carbon disulfide	76		3.591					
27 Methyl acetate	43		3.646					
28 3-Chloro-1-propene	41		3.652					
29 Acetonitrile	40		3.682					
30 Methylene Chloride	84	3.780	3.767	0.013	68	5692	2.18	
31 2-Methyl-2-propanol	59		3.810					
32 Methyl tert-butyl ether	73		3.920					
34 trans-1,2-Dichloroethene	96		3.956					
33 Acrylonitrile	53		3.974					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
35 Hexane	57		4.090					
36 Isopropyl ether	45		4.248					
37 Vinyl acetate	43		4.278					
39 1,1-Dichloroethane	63		4.297					
38 1,1-Dimethoxyethane	75		4.321					
40 2-Chloro-1,3-butadiene	53		4.346					
41 Tert-butyl ethyl ether	59		4.528					
42 Ethyl acetate	43		4.735					
43 2-Butanone (MEK)	43		4.747					
44 2,2-Dichloropropane	77		4.747					
45 cis-1,2-Dichloroethene	96		4.759					
46 Propionitrile	54		4.838					
47 Methacrylonitrile	41		4.942					
48 Chlorobromomethane	128		4.966					
49 Tetrahydrofuran	42		4.984					
50 Chloroform	83		5.002					
51 1,1,1-Trichloroethane	97		5.148					
52 Cyclohexane	56		5.179					
54 1,1-Dichloropropene	75		5.270					
55 Carbon tetrachloride	117		5.282					
53 Isobutyl alcohol	43		5.319					
57 Benzene	78		5.459					
56 Tert-amyl methyl ether	73		5.465					
58 1,2-Dichloroethane	62		5.495					
59 n-Heptane	43		5.544					
60 n-Butanol	56		5.873					
62 Trichloroethene	95		5.982					
64 Methylcyclohexane	83		6.122					
65 1,2-Dichloropropane	63		6.207					
63 Methyl methacrylate	41		6.207					
66 1,4-Dioxane	88		6.311					
67 Dibromomethane	93		6.341					
68 Dichlorobromomethane	83		6.450					
69 2-Chloroethyl vinyl ether	63		6.651					
70 2-Nitropropane	43		6.663					
71 Epichlorohydrin	57		6.773					
72 cis-1,3-Dichloropropene	75		6.834					
73 4-Methyl-2-pentanone (MIBK)	43		6.931					
74 Toluene	92		7.126					
75 Ethyl methacrylate	69		7.345					
77 trans-1,3-Dichloropropene	75		7.351					
79 1,1,2-Trichloroethane	83		7.551					
81 Tetrachloroethene	166		7.655					
80 2-Hexanone	43		7.722					
82 1,3-Dichloropropane	76		7.722					
83 Chlorodibromomethane	129		7.965					
84 Ethylene Dibromide	107		8.099					
85 3-Chlorobenzotrifluoride	180		8.440					
86 4-Chlorobenzotrifluoride	180		8.495					
87 Chlorobenzene	112		8.549					
88 Ethylbenzene	91		8.610					
89 1,1,1,2-Tetrachloroethane	131		8.628					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
90 m-Xylene & p-Xylene	106		8.726					
91 o-Xylene	106		9.158					
92 Styrene	104		9.182					
93 2-Chlorobenzotrifluoride	180		9.425					
95 Bromoform	173		9.456					
94 Isopropylbenzene	105		9.516					
96 Cyclohexanone	55		9.711					
97 1,1,2,2-Tetrachloroethane	83		9.881					
101 Bromobenzene	156		9.894					
98 trans-1,4-Dichloro-2-butene	53		9.924					
99 N-Propylbenzene	91		9.924					
100 1,2,3-Trichloropropane	110		9.936					
103 2-Chlorotoluene	126		10.052					
102 1,3,5-Trimethylbenzene	105		10.082					
104 3-Chlorotoluene	126		10.107					
105 4-Chlorotoluene	126		10.155					
106 tert-Butylbenzene	134		10.399					
107 1,2,4-Trimethylbenzene	105		10.447					
108 Pentachloroethane	167		10.478					
109 sec-Butylbenzene	105		10.599					
110 4-Isopropyltoluene	119		10.715					
111 1,3-Dichlorobenzene	146		10.757					
114 Dicyclopentadiene	66		10.831					
113 1,4-Dichlorobenzene	146		10.837					
112 1,2,3-Trimethylbenzene	105		10.849					
76 2-Methylthiophene	97		10.900					
78 3-Methylthiophene	97		11.028					
115 n-Butylbenzene	91		11.086					
116 1,2-Dichlorobenzene	146		11.177					
117 1,2-Dibromo-3-Chloropropane	75		11.853					
118 1,3,5-Trichlorobenzene	180		11.974					
119 1,2,4-Trichlorobenzene	180		12.510					
120 Hexachlorobutadiene	225		12.607					
121 Naphthalene	128		12.747					
122 1,2,3-Trichlorobenzene	180		12.972					
S 123 Total BTEX	1		30.000					7
S 124 Xylenes, Total	1		30.000					7
S 125 1,2-Dichloroethene, Total	1		30.000					7
S 126 1,3-Dichloropropene, Total	1		30.000					7
T 7 Ethylene oxide	1		0.000					1
T 8 t-Amyl alcohol	59		0.000					1
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 127 Ethanol TIC	45		0.000					1
T 128 Hexachloroethane TIC	1		0.000					1
T 129 tert-amyl alcohol TIC	59		0.000					1

QC Flag Legend

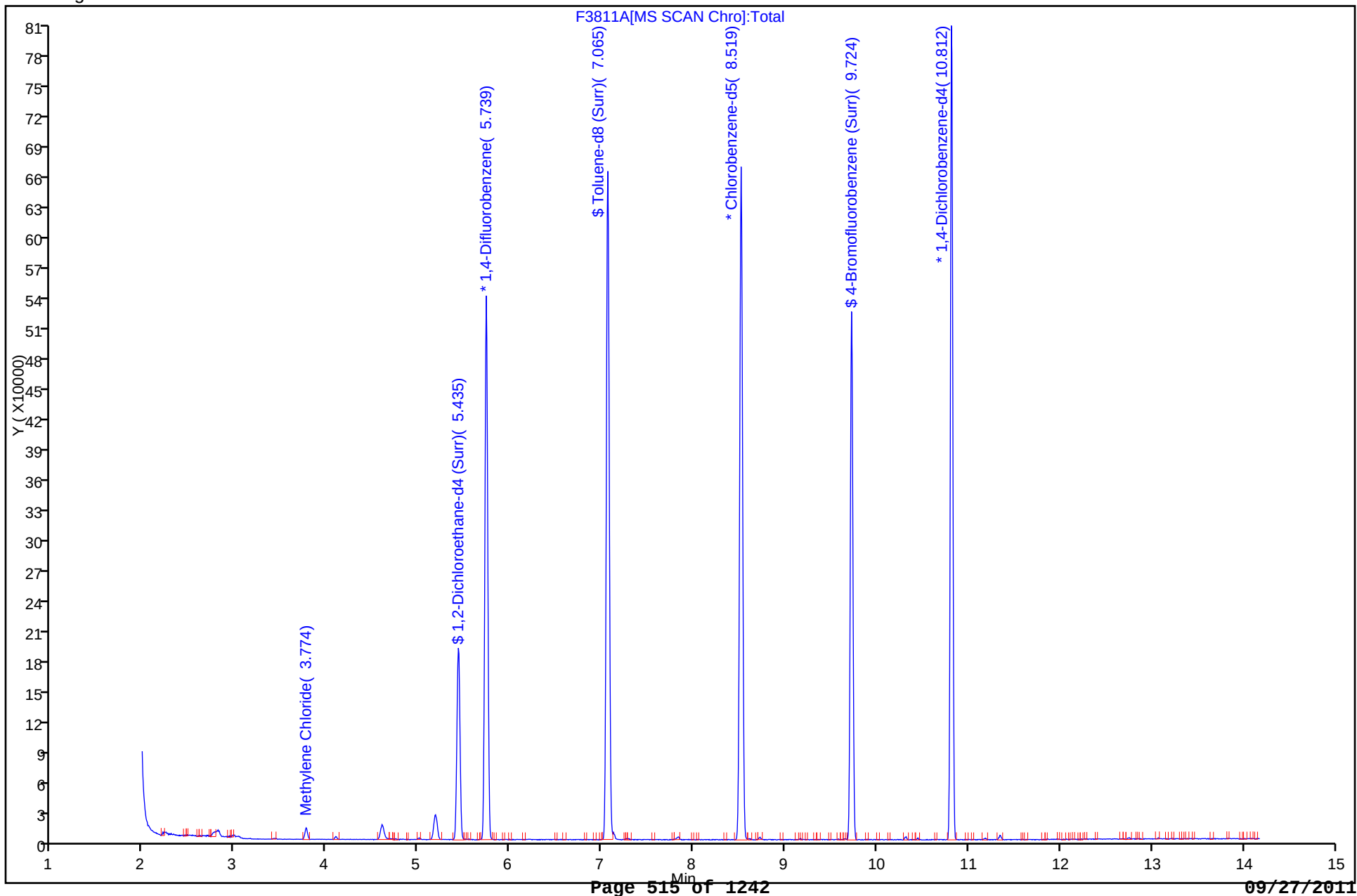
Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

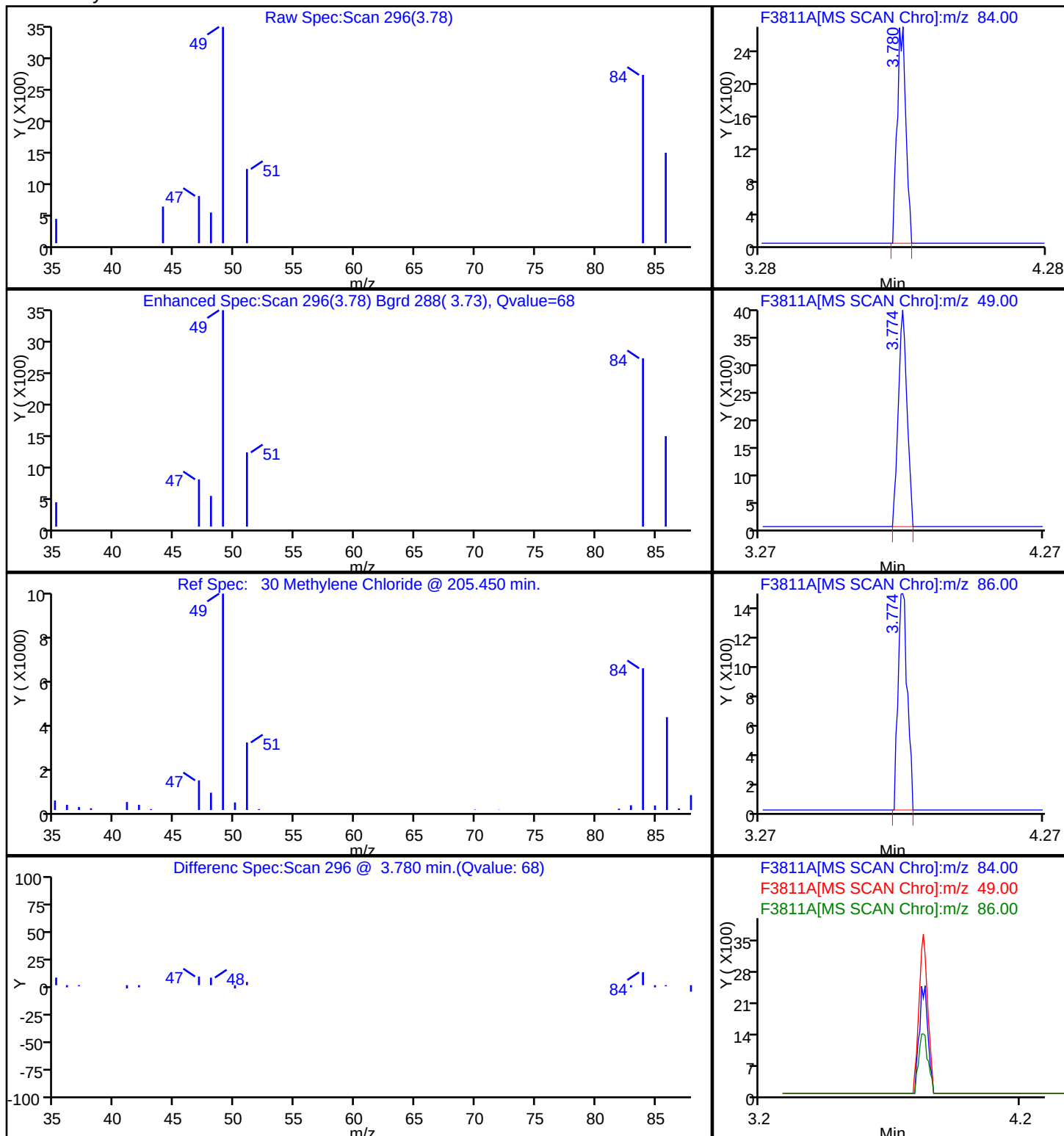
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Injection Date: 10-Sep-2011 14:33:30
Client ID:
Lims Batch ID: 31837
Operator ID: PJQ
Column Type: ZB-624
Y Scaling:

Chrom Revision: 2.0 01-Sep-2011 14:10:00
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973F
Lims Sample ID: 5
Column Dia: 0.25 mm



Report Date: 19-Sep-2011 14:48:28
 Data File: \\Bufchrom\ChromData\HP5973F\20110919-6069.b\F3811A.D
 Injection Date: 10-Sep-2011 14:33:30
 Client ID:
 Lims Batch ID: 31837
 Operator ID: PJQ
 Column Type: ZB-624
 30 Methylene Chloride

Chrom Revision: 2.0 01-Sep-2011 14:10:00
 Limit Group: MV - 8260B ICAL
 Instrument ID: HP5973F
 Lims Sample ID: 5
 Column Dia: 0.25 mm



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-29441/4
 Matrix: Solid Lab File ID: P4756.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(g) Date Analyzed: 08/30/2011 12:59
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 29441 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	50.8		5.0	0.61
75-35-4	1,1-Dichloroethene	48.4		5.0	0.61
95-50-1	1,2-Dichlorobenzene	51.7		5.0	0.39
107-06-2	1,2-Dichloroethane	49.9		5.0	0.25
71-43-2	Benzene	52.6		5.0	0.25
108-90-7	Chlorobenzene	55.1		5.0	0.66
156-59-2	cis-1,2-Dichloroethene	50.9		5.0	0.64
100-41-4	Ethylbenzene	53.4		5.0	0.35
1634-04-4	Methyl tert-butyl ether	50.8		5.0	0.49
127-18-4	Tetrachloroethene	52.0		5.0	0.67
108-88-3	Toluene	51.8		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	52.1		5.0	0.52
79-01-6	Trichloroethene	51.6		5.0	1.1
1330-20-7	Xylenes, Total	168		10	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		64-126
2037-26-5	Toluene-d8 (Surr)	101		71-125
460-00-4	4-Bromofluorobenzene (Surr)	104		72-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4756.D
 Lims ID: LCS Client ID:
 Inject. Date: 30-Aug-2011 12:59:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: LCS
 Misc. Info.: 480-0005649-004 =480-0005649-004
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 29441 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P-8260 Soil.m
 Last Update: 30-Aug-2011 13:14:29 Calib Date: 18-Aug-2011 21:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110817-5370.b\P4565.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 30-Aug-2011 13:14:29

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.066	8.066	0.0	93	625961	50.0	
* 2 Chlorobenzene-d5	82	11.838	11.838	0.0	83	286663	50.0	
* 3 1,4-Dichlorobenzene-d4	152	14.983	14.983	0.0	92	337583	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.628	7.628	0.0	98	126181	43.6	
\$ 5 Toluene-d8 (Surr)	98	9.891	9.891	0.0	92	828992	50.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.450	13.450	0.0	96	341165	52.2	
25 1,1-Dichloroethene	96	4.684	4.684	0.0	90	195287	48.4	
32 Methyl tert-butyl ether	73	5.499	5.499	0.0	90	611965	50.8	
35 trans-1,2-Dichloroethene	96	5.542	5.542	0.0	95	229370	52.1	
40 1,1-Dichloroethane	63	6.028	6.028	0.0	85	418698	50.8	
43 cis-1,2-Dichloroethene	96	6.685	6.685	0.0	68	245002	50.9	
57 Benzene	78	7.671	7.677	-0.006	96	869045	52.6	
60 1,2-Dichloroethane	62	7.720	7.720	0.0	75	293632	49.9	
62 Trichloroethene	95	8.407	8.407	0.0	91	224189	51.6	
76 Toluene	92	9.977	9.977	0.0	95	546528	51.8	
80 Tetrachloroethene	166	10.688	10.688	0.0	92	278202	52.0	
87 Chlorobenzene	112	11.881	11.881	0.0	94	656693	55.1	
89 Ethylbenzene	91	11.966	11.972	-0.006	69	999940	53.4	
90 m-Xylene & p-Xylene	106	12.118	12.124	-0.006	96	878690	112.9	
93 o-Xylene	106	12.696	12.696	0.0	95	424287	54.7	
107 1,2,4-Trimethylbenzene	105	14.466	14.466	0.0	97	868939	50.3	
116 1,2-Dichlorobenzene	146	15.507	15.506	0.0	98	551025	51.7	
S 123 1,2-Dichloroethene, Total	1				0		103.0	
S 126 Xylenes, Total	1				0		167.6	

Report Date: 30-Aug-2011 13:14:29

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973P\20110830-5649.b\P4756.D

Injection Date: 30-Aug-2011 12:59:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 29441

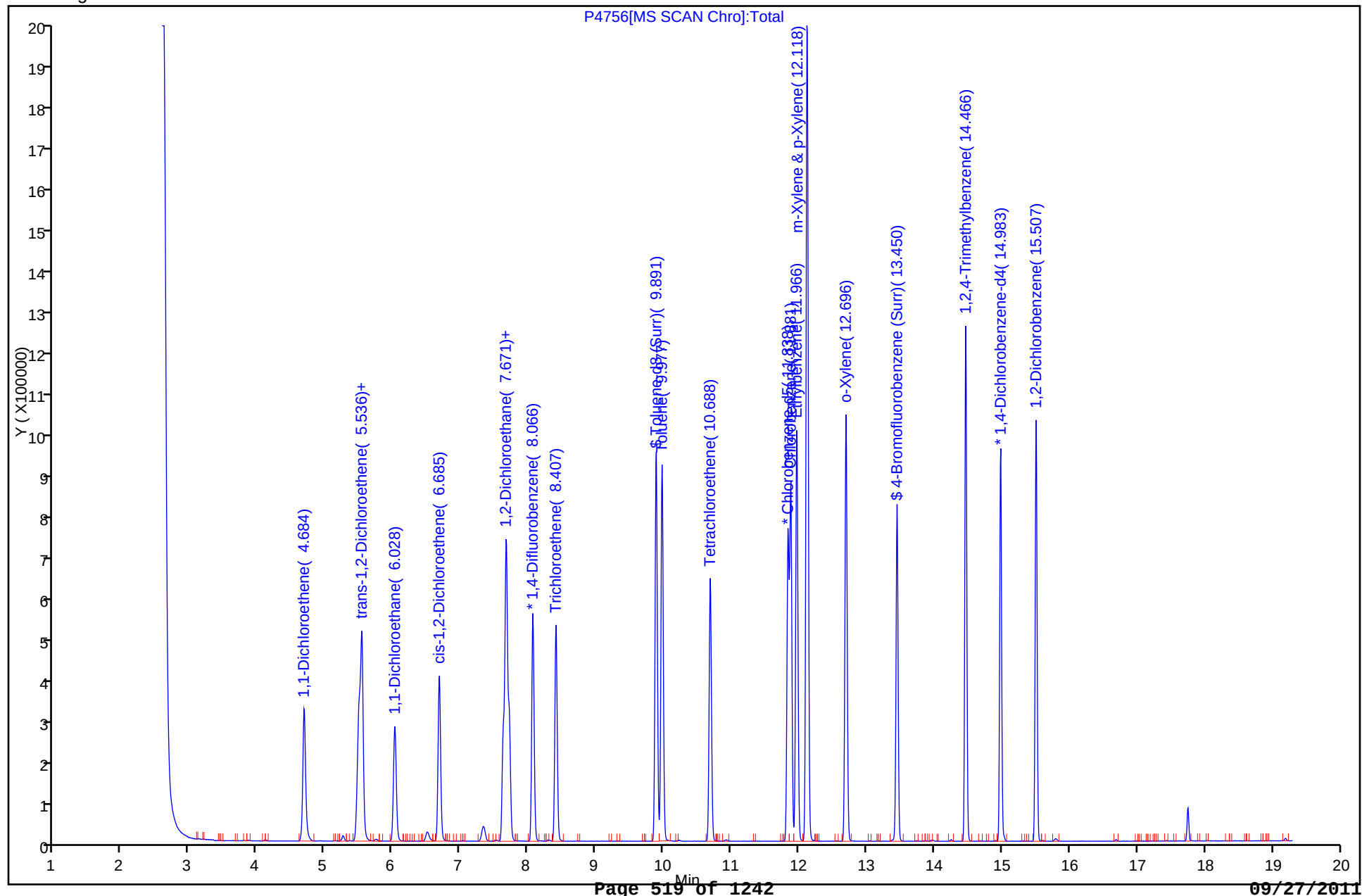
Lims Sample ID: 4

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-30731/4
 Matrix: Solid Lab File ID: F3810.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(g) Date Analyzed: 09/10/2011 14:07
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 30731 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	50.2		5.0	0.61
75-35-4	1,1-Dichloroethene	44.4		5.0	0.61
95-50-1	1,2-Dichlorobenzene	48.7		5.0	0.39
107-06-2	1,2-Dichloroethane	53.3		5.0	0.25
71-43-2	Benzene	49.4		5.0	0.25
108-90-7	Chlorobenzene	49.2		5.0	0.66
156-59-2	cis-1,2-Dichloroethene	48.1		5.0	0.64
100-41-4	Ethylbenzene	49.4		5.0	0.35
1634-04-4	Methyl tert-butyl ether	48.5		5.0	0.49
127-18-4	Tetrachloroethene	47.0		5.0	0.67
108-88-3	Toluene	47.0		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	49.0		5.0	0.52
79-01-6	Trichloroethene	48.3		5.0	1.1
1330-20-7	Xylenes, Total	148		10	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		64-126
2037-26-5	Toluene-d8 (Surr)	96		71-125
460-00-4	4-Bromofluorobenzene (Surr)	94		72-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3810.D
 Lims ID: LCS Client ID:
 Inject. Date: 10-Sep-2011 14:07:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: LCS
 Misc. Info.: 480-0005865-004 =480-0005865-004
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 30731 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F-8260 SOIL.m
 Last Update: 10-Sep-2011 14:25:43 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 10-Sep-2011 14:25:43

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	95	521258	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	85	243146	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.819	10.819	0.0	94	261049	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.435	5.429	0.007	91	84627	46.2	
\$ 5 Toluene-d8 (Surr)	98	7.059	7.065	-0.006	94	533416	48.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.723	9.730	-0.007	87	183154	47.1	
22 1,1-Dichloroethene	96	3.372	3.372	0.0	87	105288	44.4	
32 Methyl tert-butyl ether	73	3.920	3.920	0.0	93	420479	48.5	
34 trans-1,2-Dichloroethene	96	3.956	3.956	0.0	93	130050	49.0	
39 1,1-Dichloroethane	63	4.297	4.297	0.0	97	242887	50.2	
45 cis-1,2-Dichloroethene	96	4.759	4.759	0.0	83	144026	48.1	
57 Benzene	78	5.459	5.459	0.0	98	514445	49.4	
58 1,2-Dichloroethane	62	5.495	5.495	0.0	83	227536	53.3	
62 Trichloroethene	95	5.982	5.982	0.0	95	136530	48.3	
74 Toluene	92	7.126	7.126	0.0	93	347195	47.0	
81 Tetrachloroethene	166	7.655	7.655	0.0	95	148919	47.0	
87 Chlorobenzene	112	8.549	8.549	0.0	92	407627	49.2	
88 Ethylbenzene	91	8.610	8.610	0.0	55	660317	49.4	
90 m-Xylene & p-Xylene	106	8.726	8.726	0.0	98	539947	97.9	
91 o-Xylene	106	9.158	9.158	0.0	97	266934	49.7	
107 1,2,4-Trimethylbenzene	105	10.447	10.447	0.0	97	555472	47.8	
116 1,2-Dichlorobenzene	146	11.177	11.177	0.0	96	325526	48.7	
S 125 1,2-Dichloroethene, Total	1				0		97.1	
S 124 Xylenes, Total	1				0		147.6	

Report Date: 10-Sep-2011 14:25:43

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3810.D

Injection Date: 10-Sep-2011 14:07:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 30731

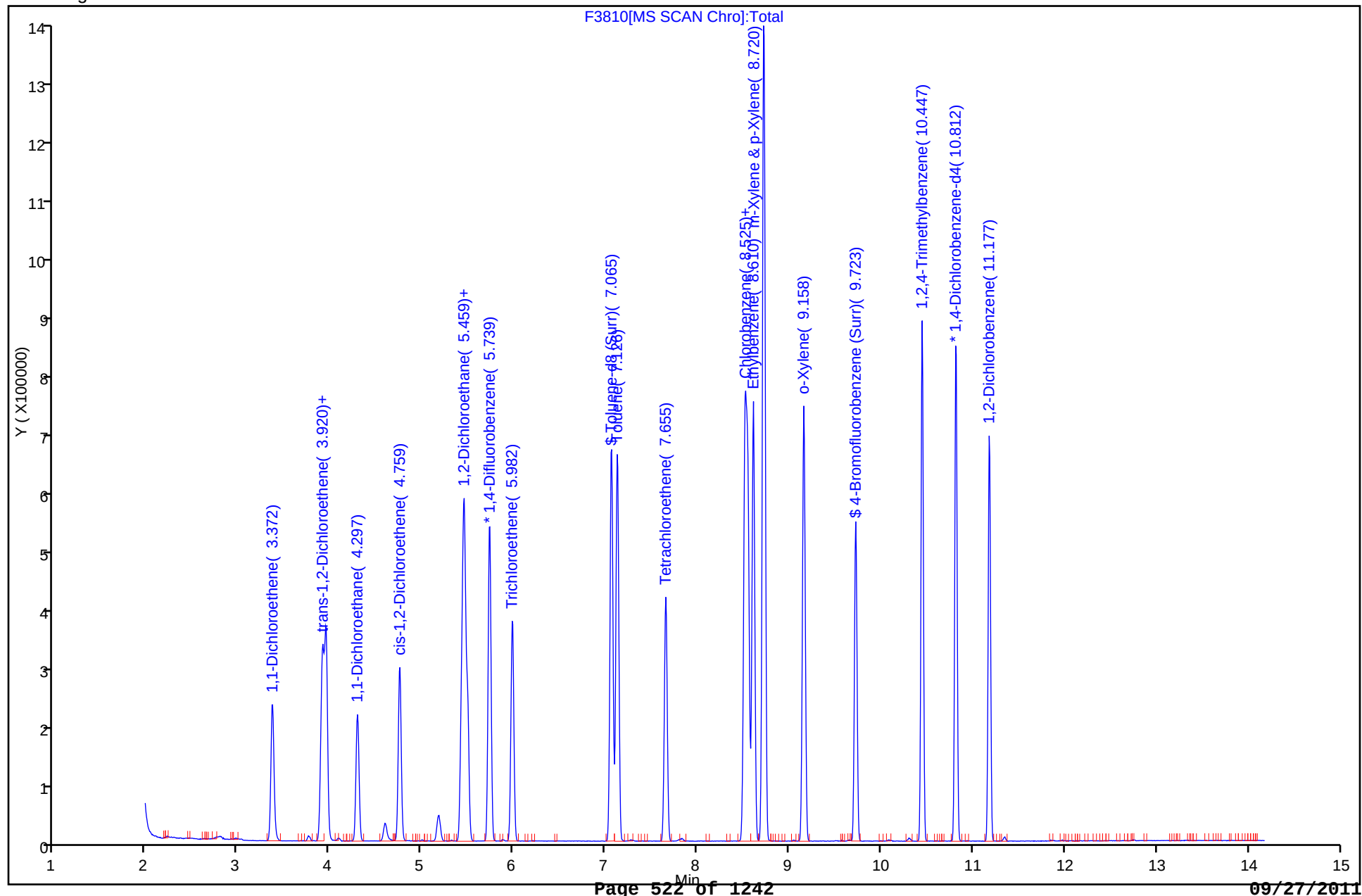
Lims Sample ID: 4

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-30918/4
 Matrix: Solid Lab File ID: F3832.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(g) Date Analyzed: 09/12/2011 19:58
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 30918 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	53.9		5.0	0.61
75-35-4	1,1-Dichloroethene	47.4		5.0	0.61
95-50-1	1,2-Dichlorobenzene	49.7		5.0	0.39
107-06-2	1,2-Dichloroethane	55.6		5.0	0.25
71-43-2	Benzene	52.4		5.0	0.25
108-90-7	Chlorobenzene	51.0		5.0	0.66
156-59-2	cis-1,2-Dichloroethene	50.9		5.0	0.64
100-41-4	Ethylbenzene	51.4		5.0	0.35
1634-04-4	Methyl tert-butyl ether	51.3		5.0	0.49
127-18-4	Tetrachloroethene	49.7		5.0	0.67
108-88-3	Toluene	49.2		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	52.6		5.0	0.52
79-01-6	Trichloroethene	51.7		5.0	1.1
1330-20-7	Xylenes, Total	154		10	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		64-126
2037-26-5	Toluene-d8 (Surr)	95		71-125
460-00-4	4-Bromofluorobenzene (Surr)	95		72-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110912-5900.b\F3832.D
 Lims ID: LCS Client ID:
 Inject. Date: 12-Sep-2011 19:58:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: LCS
 Misc. Info.: 480-0005900-004 =480-0005900-004
 Operator: CDC Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 30918 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110912-5900.b\F-8260 SOIL.m
 Last Update: 12-Sep-2011 20:29:57 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc

Date: 12-Sep-2011 20:29:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	527764	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	86	251724	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.818	0.0	95	276602	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.434	5.434	0.0	92	86014	46.4	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	546428	47.5	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.723	9.723	0.0	88	191832	47.6	
22 1,1-Dichloroethene	96	3.372	3.366	0.006	96	113815	47.4	
32 Methyl tert-butyl ether	73	3.920	3.920	0.0	94	450638	51.3	
34 trans-1,2-Dichloroethene	96	3.962	3.956	0.006	96	141263	52.6	
39 1,1-Dichloroethane	63	4.297	4.297	0.0	97	263604	53.9	
45 cis-1,2-Dichloroethene	96	4.759	4.759	0.0	83	154325	50.9	
57 Benzene	78	5.459	5.459	0.0	98	552261	52.4	
58 1,2-Dichloroethane	62	5.495	5.495	0.0	81	240096	55.6	
62 Trichloroethene	95	5.988	5.988	0.0	94	148170	51.7	
74 Toluene	92	7.126	7.132	-0.006	93	376272	49.2	
81 Tetrachloroethene	166	7.655	7.655	0.0	94	163145	49.7	
87 Chlorobenzene	112	8.549	8.549	0.0	91	437214	51.0	
88 Ethylbenzene	91	8.610	8.610	0.0	55	712051	51.4	
90 m-Xylene & p-Xylene	106	8.726	8.726	0.0	98	585226	102.5	
91 o-Xylene	106	9.158	9.158	0.0	97	284516	51.2	
107 1,2,4-Trimethylbenzene	105	10.447	10.447	0.0	97	595771	48.3	
116 1,2-Dichlorobenzene	146	11.177	11.183	-0.006	97	352578	49.7	
S 124 Xylenes, Total	1				0		153.7	
S 125 1,2-Dichloroethene, Total	1				0		103.5	

Report Date: 12-Sep-2011 20:29:58

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110912-5900.b\F3832.D

Injection Date: 12-Sep-2011 19:58:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 30918

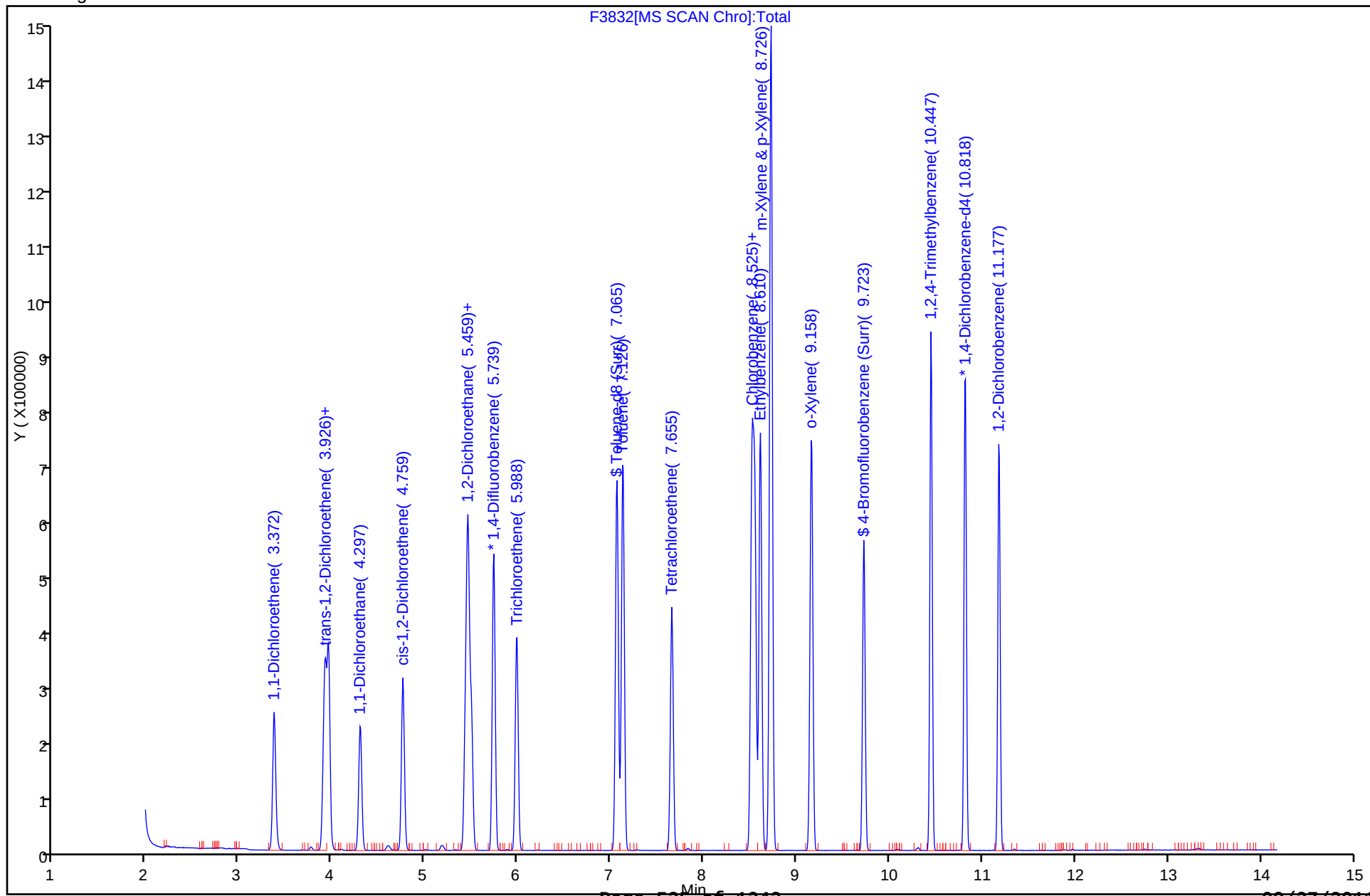
Lims Sample ID: 4

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-31837/4
 Matrix: Water Lab File ID: F3810A.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(g) Date Analyzed: 09/10/2011 14:07
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 31837 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	50.2		1.0	0.38
75-35-4	1,1-Dichloroethene	44.4		1.0	0.29
95-50-1	1,2-Dichlorobenzene	48.7		1.0	0.79
107-06-2	1,2-Dichloroethane	53.3		1.0	0.21
71-43-2	Benzene	49.4		1.0	0.41
108-90-7	Chlorobenzene	49.2		1.0	0.75
156-59-2	cis-1,2-Dichloroethene	48.1		1.0	0.81
100-41-4	Ethylbenzene	49.4		1.0	0.74
1634-04-4	Methyl tert-butyl ether	48.5		1.0	0.16
127-18-4	Tetrachloroethene	47.0		1.0	0.36
108-88-3	Toluene	47.0		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	49.0		1.0	0.90
79-01-6	Trichloroethene	48.3		1.0	0.46
1330-20-7	Xylenes, Total	148		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		66-137
2037-26-5	Toluene-d8 (Surr)	96		71-126
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110919-6069.b\F3810A.D
 Lims ID: LCS Client ID:
 Inject. Date: 10-Sep-2011 14:07:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: LCS
 Misc. Info.: 480-0005865-004 =480-0005865-004
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 31837 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110919-6069.b\F-8260 SOIL.m
 Last Update: 19-Sep-2011 14:48:27 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: ByrnesJ

Date: 19-Sep-2011 14:43:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	95	521258	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	85	243146	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.819	10.819	0.0	94	261049	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.435	5.429	0.007	91	84627	46.2	
\$ 5 Toluene-d8 (Surr)	98	7.059	7.065	-0.006	94	533416	48.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.723	9.730	-0.007	87	183154	47.1	
22 1,1-Dichloroethene	96	3.372	3.372	0.0	87	105288	44.4	
32 Methyl tert-butyl ether	73	3.920	3.920	0.0	93	420479	48.5	
34 trans-1,2-Dichloroethene	96	3.956	3.956	0.0	93	130050	49.0	
39 1,1-Dichloroethane	63	4.297	4.297	0.0	97	242887	50.2	
45 cis-1,2-Dichloroethene	96	4.759	4.759	0.0	83	144026	48.1	
57 Benzene	78	5.459	5.459	0.0	98	514445	49.4	
58 1,2-Dichloroethane	62	5.495	5.495	0.0	83	227536	53.3	
62 Trichloroethene	95	5.982	5.982	0.0	95	136530	48.3	
74 Toluene	92	7.126	7.126	0.0	93	347195	47.0	
81 Tetrachloroethene	166	7.655	7.655	0.0	95	148919	47.0	
87 Chlorobenzene	112	8.549	8.549	0.0	92	407627	49.2	
88 Ethylbenzene	91	8.610	8.610	0.0	55	660317	49.4	
90 m-Xylene & p-Xylene	106	8.726	8.726	0.0	98	539947	97.9	
91 o-Xylene	106	9.158	9.158	0.0	97	266934	49.7	
107 1,2,4-Trimethylbenzene	105	10.447	10.447	0.0	97	555472	47.8	
116 1,2-Dichlorobenzene	146	11.177	11.177	0.0	96	325526	48.7	
S 124 Xylenes, Total	1				0		147.6	
S 125 1,2-Dichloroethene, Total	1				0		97.1	

Report Date: 19-Sep-2011 14:48:27

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110919-6069.b\F3810A.D

Injection Date: 10-Sep-2011 14:07:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 31837

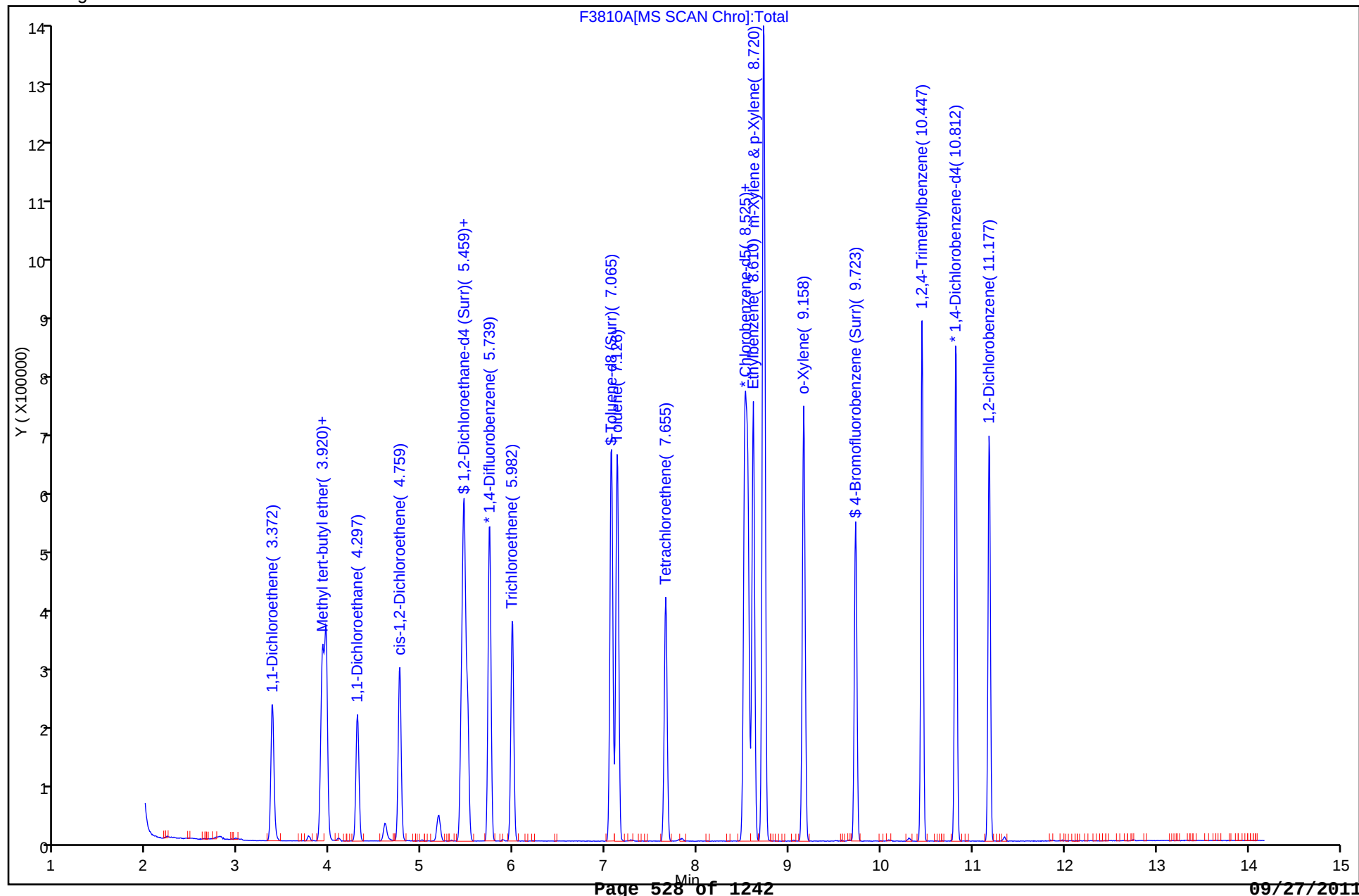
Lims Sample ID: 4

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Client Sample ID: SB-B1 (5-9) MS Lab Sample ID: 480-9503-6 MS

Matrix: Solid Lab File ID: F3820.D

Analysis Method: 8260B Date Collected: 09/07/2011 07:50

Sample wt/vol: 7.259(g) Date Analyzed: 09/10/2011 18:36

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: 18.2 Level: (low/med) Low

Analysis Batch No.: 30731 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.2	0.31
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.2	0.68
79-00-5	1,1,2-Trichloroethane	ND		4.2	0.55
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.2	0.96
75-34-3	1,1-Dichloroethane	40.1		4.2	0.51
75-35-4	1,1-Dichloroethene	36.1		4.2	0.52
120-82-1	1,2,4-Trichlorobenzene	ND		4.2	0.26
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.2	2.1
106-93-4	1,2-Dibromoethane	ND		4.2	0.54
95-50-1	1,2-Dichlorobenzene	32.5		4.2	0.33
107-06-2	1,2-Dichloroethane	37.8		4.2	0.21
78-87-5	1,2-Dichloropropane	ND		4.2	2.1
541-73-1	1,3-Dichlorobenzene	ND		4.2	0.22
106-46-7	1,4-Dichlorobenzene	ND		4.2	0.59
591-78-6	2-Hexanone	ND		21	2.1
78-93-3	2-Butanone (MEK)	ND		21	1.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		21	1.4
67-64-1	Acetone	18.3	J	21	3.5
71-43-2	Benzene	38.5		4.2	0.21
75-27-4	Bromodichloromethane	ND		4.2	0.56
75-25-2	Bromoform	ND		4.2	2.1
74-83-9	Bromomethane	ND		4.2	0.38
75-15-0	Carbon disulfide	ND		4.2	2.1
56-23-5	Carbon tetrachloride	ND		4.2	0.41
108-90-7	Chlorobenzene	36.1		4.2	0.56
124-48-1	Dibromochloromethane	ND		4.2	0.54
75-00-3	Chloroethane	ND		4.2	0.95
67-66-3	Chloroform	ND		4.2	0.26
74-87-3	Chloromethane	ND		4.2	0.25
156-59-2	cis-1,2-Dichloroethene	37.9		4.2	0.54
10061-01-5	cis-1,3-Dichloropropene	ND		4.2	0.61
110-82-7	Cyclohexane	ND		4.2	0.59
75-71-8	Dichlorodifluoromethane	ND		4.2	0.35
100-41-4	Ethylbenzene	37.1		4.2	0.29
98-82-8	Isopropylbenzene	ND		4.2	0.63

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: SB-B1 (5-9) MS Lab Sample ID: 480-9503-6 MS
 Matrix: Solid Lab File ID: F3820.D
 Analysis Method: 8260B Date Collected: 09/07/2011 07:50
 Sample wt/vol: 7.259(g) Date Analyzed: 09/10/2011 18:36
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: 18.2 Level: (low/med) Low
 Analysis Batch No.: 30731 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.2	0.78
1634-04-4	Methyl tert-butyl ether	34.6		4.2	0.41
108-87-2	Methylcyclohexane	ND		4.2	0.64
75-09-2	Methylene Chloride	ND		4.2	1.9
100-42-5	Styrene	ND		4.2	0.21
127-18-4	Tetrachloroethene	32.9		4.2	0.56
108-88-3	Toluene	35.0		4.2	0.32
156-60-5	trans-1,2-Dichloroethene	39.0		4.2	0.43
10061-02-6	trans-1,3-Dichloropropene	ND		4.2	1.9
79-01-6	Trichloroethene	37.4		4.2	0.93
75-69-4	Trichlorofluoromethane	ND		4.2	0.40
75-01-4	Vinyl chloride	ND		4.2	0.51
1330-20-7	Xylenes, Total	112		8.4	0.71

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		64-126
2037-26-5	Toluene-d8 (Surr)	93		71-125
460-00-4	4-Bromofluorobenzene (Surr)	93		72-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3820.D
 Lims ID: 480-9503-A-6-A MS Client ID: SB-B1 (5-9)
 Inject. Date: 10-Sep-2011 18:36:30 Dil. Factor: 1.0000
 Sample Type: MS
 Sample ID: 480-9503-A-6-A MS
 Misc. Info.: 480-0005865-014 =480-0005865-014
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 14
 Lims Batch ID: 30731 Lims Sample ID: 14
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F-8260 SOIL.m
 Last Update: 10-Sep-2011 14:47:06 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: BrandtT

Date: 12-Sep-2011 12:36:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	95	544233	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	84	264498	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.819	10.819	0.0	92	289750	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.435	5.429	0.007	92	80964	42.4	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	92	560436	46.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.724	9.730	-0.006	87	196663	46.5	
10 Dichlorodifluoromethane	85		2.088					
12 Chloromethane	50		2.240					
13 Vinyl chloride	62		2.368					
14 Bromomethane	94		2.654					
15 Chloroethane	64		2.733					
17 Trichlorofluoromethane	101		2.958					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.336					
22 1,1-Dichloroethene	96	3.372	3.372	0.0	97	106099	42.9	
23 Acetone	43	3.427	3.427	0.0	92	27587	21.7	
26 Carbon disulfide	76		3.591					
27 Methyl acetate	43		3.646					
30 Methylene Chloride	84		3.767					
32 Methyl tert-butyl ether	73	3.926	3.920	0.006	93	372482	41.1	
34 trans-1,2-Dichloroethene	96	3.962	3.956	0.006	93	128518	46.4	
39 1,1-Dichloroethane	63	4.303	4.297	0.006	97	240139	47.6	
43 2-Butanone (MEK)	43		4.747					
45 cis-1,2-Dichloroethene	96	4.759	4.759	0.0	83	140751	45.0	
50 Chloroform	83		5.002					
51 1,1,1-Trichloroethane	97		5.148					
52 Cyclohexane	56		5.179					
55 Carbon tetrachloride	117		5.282					
57 Benzene	78	5.459	5.459	0.0	98	497106	45.8	
58 1,2-Dichloroethane	62	5.495	5.495	0.0	82	200139	44.9	
62 Trichloroethene	95	5.988	5.982	0.006	95	131188	44.4	
64 Methylcyclohexane	83		6.122					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.207					
68 Dichlorobromomethane	83		6.450					
72 cis-1,3-Dichloropropene	75		6.834					
73 4-Methyl-2-pentanone (MIBK)	43		6.931					
74 Toluene	92	7.126	7.126	0.0	93	334565	41.6	
77 trans-1,3-Dichloropropene	75		7.351					
79 1,1,2-Trichloroethane	83		7.551					
81 Tetrachloroethene	166	7.655	7.655	0.0	95	134832	39.1	
80 2-Hexanone	43		7.722					
83 Chlorodibromomethane	129		7.965					
84 Ethylene Dibromide	107		8.099					
87 Chlorobenzene	112	8.549	8.549	0.0	94	386180	42.9	
88 Ethylbenzene	91	8.610	8.610	0.0	55	641761	44.1	
90 m-Xylene & p-Xylene	106	8.726	8.726	0.0	98	530539	88.4	
91 o-Xylene	106	9.158	9.158	0.0	97	258931	44.3	
92 Styrene	104		9.182					
95 Bromoform	173		9.456					
94 Isopropylbenzene	105		9.516					
97 1,1,2,2-Tetrachloroethane	83		9.881					
111 1,3-Dichlorobenzene	146		10.757					
113 1,4-Dichlorobenzene	146		10.837					
116 1,2-Dichlorobenzene	146	11.177	11.177	0.0	94	286802	38.6	
117 1,2-Dibromo-3-Chloropropane	75		11.853					
119 1,2,4-Trichlorobenzene	180		12.510					
S 124 Xylenes, Total	1				0		132.8	

Report Date: 12-Sep-2011 12:36:41

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3820.D

Injection Date: 10-Sep-2011 18:36:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 30731

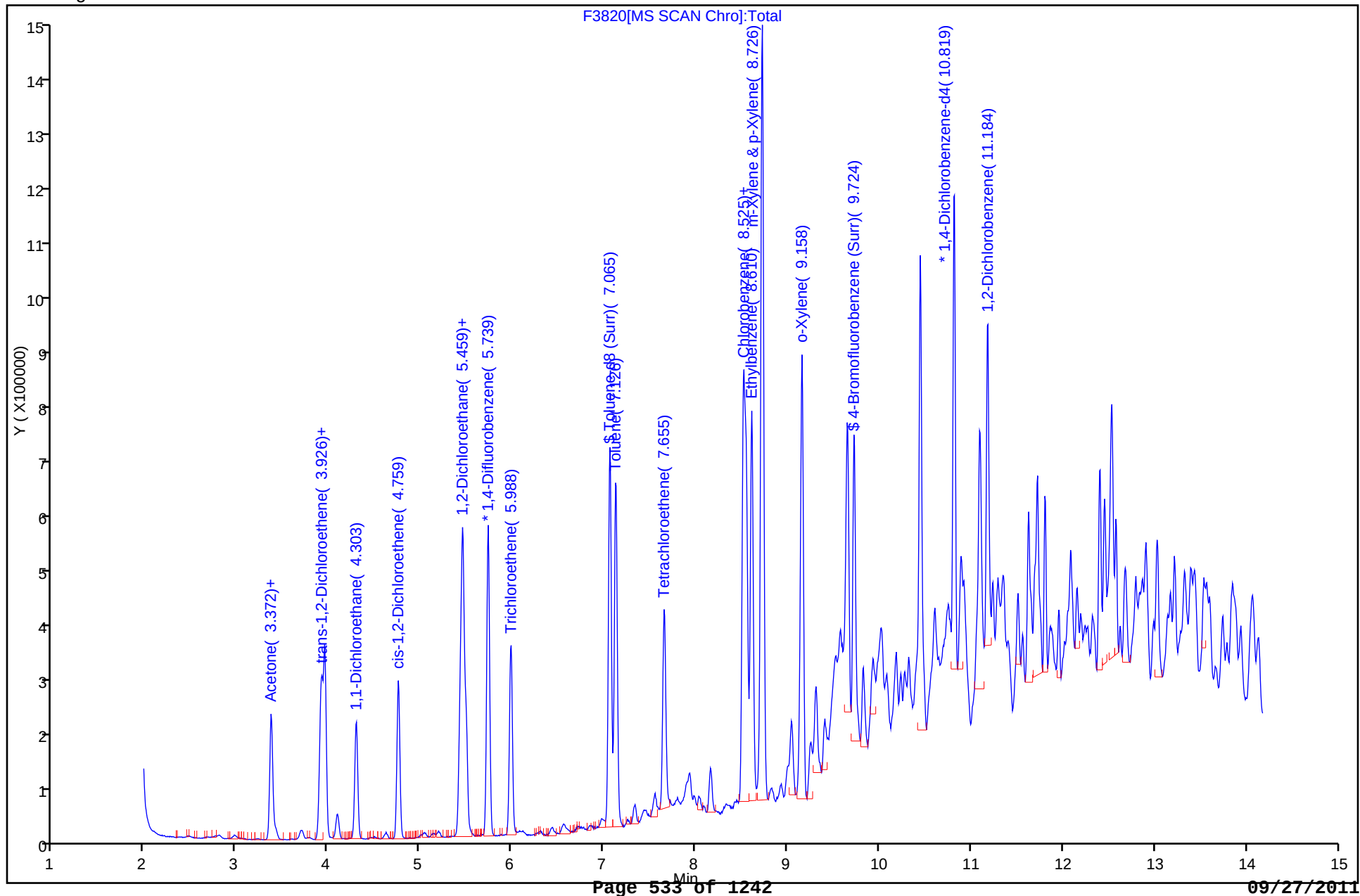
Lims Sample ID: 14

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Client Sample ID: SB-B1 (5-9) MSD Lab Sample ID: 480-9503-6 MSD

Matrix: Solid Lab File ID: F3821.D

Analysis Method: 8260B Date Collected: 09/07/2011 07:50

Sample wt/vol: 7.146(g) Date Analyzed: 09/10/2011 19:01

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: 18.2 Level: (low/med) Low

Analysis Batch No.: 30731 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.3	0.31
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.3	0.69
79-00-5	1,1,2-Trichloroethane	ND		4.3	0.56
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.3	0.97
75-34-3	1,1-Dichloroethane	41.3		4.3	0.52
75-35-4	1,1-Dichloroethene	36.4		4.3	0.52
120-82-1	1,2,4-Trichlorobenzene	ND		4.3	0.26
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.3	2.1
106-93-4	1,2-Dibromoethane	ND		4.3	0.55
95-50-1	1,2-Dichlorobenzene	34.4		4.3	0.33
107-06-2	1,2-Dichloroethane	38.3		4.3	0.21
78-87-5	1,2-Dichloropropane	ND		4.3	2.1
541-73-1	1,3-Dichlorobenzene	ND		4.3	0.22
106-46-7	1,4-Dichlorobenzene	ND		4.3	0.60
591-78-6	2-Hexanone	ND		21	2.1
78-93-3	2-Butanone (MEK)	ND		21	1.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		21	1.4
67-64-1	Acetone	20.3	J	21	3.6
71-43-2	Benzene	39.8		4.3	0.21
75-27-4	Bromodichloromethane	ND		4.3	0.57
75-25-2	Bromoform	ND		4.3	2.1
74-83-9	Bromomethane	ND		4.3	0.38
75-15-0	Carbon disulfide	ND		4.3	2.1
56-23-5	Carbon tetrachloride	ND		4.3	0.41
108-90-7	Chlorobenzene	38.6		4.3	0.56
124-48-1	Dibromochloromethane	ND		4.3	0.55
75-00-3	Chloroethane	ND		4.3	0.97
67-66-3	Chloroform	ND		4.3	0.26
74-87-3	Chloromethane	ND		4.3	0.26
156-59-2	cis-1,2-Dichloroethene	40.2		4.3	0.55
10061-01-5	cis-1,3-Dichloropropene	ND		4.3	0.62
110-82-7	Cyclohexane	ND		4.3	0.60
75-71-8	Dichlorodifluoromethane	ND		4.3	0.35
100-41-4	Ethylbenzene	39.4		4.3	0.29
98-82-8	Isopropylbenzene	ND		4.3	0.64

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: SB-B1 (5-9) MSD Lab Sample ID: 480-9503-6 MSD
 Matrix: Solid Lab File ID: F3821.D
 Analysis Method: 8260B Date Collected: 09/07/2011 07:50
 Sample wt/vol: 7.146(g) Date Analyzed: 09/10/2011 19:01
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: 18.2 Level: (low/med) Low
 Analysis Batch No.: 30731 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.3	0.80
1634-04-4	Methyl tert-butyl ether	35.7		4.3	0.42
108-87-2	Methylcyclohexane	ND		4.3	0.65
75-09-2	Methylene Chloride	ND		4.3	2.0
100-42-5	Styrene	ND		4.3	0.21
127-18-4	Tetrachloroethene	35.5		4.3	0.57
108-88-3	Toluene	37.2		4.3	0.32
156-60-5	trans-1,2-Dichloroethene	39.7		4.3	0.44
10061-02-6	trans-1,3-Dichloropropene	ND		4.3	1.9
79-01-6	Trichloroethene	39.6		4.3	0.94
75-69-4	Trichlorofluoromethane	ND		4.3	0.40
75-01-4	Vinyl chloride	ND		4.3	0.52
1330-20-7	Xylenes, Total	119		8.5	0.72

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		64-126
2037-26-5	Toluene-d8 (Surr)	96		71-125
460-00-4	4-Bromofluorobenzene (Surr)	96		72-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3821.D
 Lims ID: 480-9503-A-6-B MSD Client ID: SB-B1 (5-9)
 Inject. Date: 10-Sep-2011 19:01:30 Dil. Factor: 1.0000
 Sample Type: MSD
 Sample ID: 480-9503-A-6-B MSD
 Misc. Info.: 480-0005865-015 =480-0005865-015
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 15
 Lims Batch ID: 30731 Lims Sample ID: 15
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F-8260 SOIL.m
 Last Update: 10-Sep-2011 14:47:06 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: BrandtT

Date: 12-Sep-2011 12:37:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	95	551904	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	84	257020	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.819	-0.001	89	281149	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.428	5.429	0.0	94	81139	41.9	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	92	560875	47.8	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.723	9.730	-0.007	88	197429	48.0	
10 Dichlorodifluoromethane	85		2.088					
12 Chloromethane	50		2.240					
13 Vinyl chloride	62		2.368					
14 Bromomethane	94		2.654					
15 Chloroethane	64		2.733					
17 Trichlorofluoromethane	101		2.958					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.336					
22 1,1-Dichloroethene	96	3.366	3.372	-0.006	87	106863	42.6	
23 Acetone	43	3.427	3.427	0.0	88	30556	23.7	
26 Carbon disulfide	76		3.591					
27 Methyl acetate	43		3.646					
30 Methylene Chloride	84		3.767					
32 Methyl tert-butyl ether	73	3.920	3.920	0.0	94	383660	41.8	
34 trans-1,2-Dichloroethene	96	3.956	3.956	0.0	95	130286	46.4	
39 1,1-Dichloroethane	63	4.297	4.297	0.0	97	247094	48.3	
43 2-Butanone (MEK)	43		4.747					
45 cis-1,2-Dichloroethene	96	4.759	4.759	0.0	83	148880	47.0	
50 Chloroform	83		5.002					
51 1,1,1-Trichloroethane	97		5.148					
52 Cyclohexane	56		5.179					
55 Carbon tetrachloride	117		5.282					
57 Benzene	78	5.459	5.459	0.0	98	511860	46.5	
58 1,2-Dichloroethane	62	5.495	5.495	0.0	75	202368	44.8	
62 Trichloroethene	95	5.982	5.982	0.0	96	138635	46.3	
64 Methylcyclohexane	83		6.122					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.207					
68 Dichlorobromomethane	83		6.450					
72 cis-1,3-Dichloropropene	75		6.834					
73 4-Methyl-2-pentanone (MIBK)	43		6.931					
74 Toluene	92	7.126	7.126	0.0	93	339766	43.5	
77 trans-1,3-Dichloropropene	75		7.351					
79 1,1,2-Trichloroethane	83		7.551					
81 Tetrachloroethene	166	7.655	7.655	0.0	96	138962	41.5	
80 2-Hexanone	43		7.722					
83 Chlorodibromomethane	129		7.965					
84 Ethylene Dibromide	107		8.099					
87 Chlorobenzene	112	8.549	8.549	0.0	95	394556	45.1	
88 Ethylbenzene	91	8.610	8.610	0.0	51	652384	46.1	
90 m-Xylene & p-Xylene	106	8.726	8.726	0.0	98	536996	92.1	
91 o-Xylene	106	9.158	9.158	0.0	97	264226	46.6	
92 Styrene	104		9.182					
95 Bromoform	173		9.456					
94 Isopropylbenzene	105		9.516					
97 1,1,2,2-Tetrachloroethane	83		9.881					
111 1,3-Dichlorobenzene	146		10.757					
113 1,4-Dichlorobenzene	146		10.837					
116 1,2-Dichlorobenzene	146	11.183	11.177	0.006	89	289996	40.2	
117 1,2-Dibromo-3-Chloropropane	75		11.853					
119 1,2,4-Trichlorobenzene	180		12.510					
S 124 Xylenes, Total	1				0		138.7	

Report Date: 12-Sep-2011 12:37:08

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110910-5865.b\F3821.D

Injection Date: 10-Sep-2011 19:01:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 30731

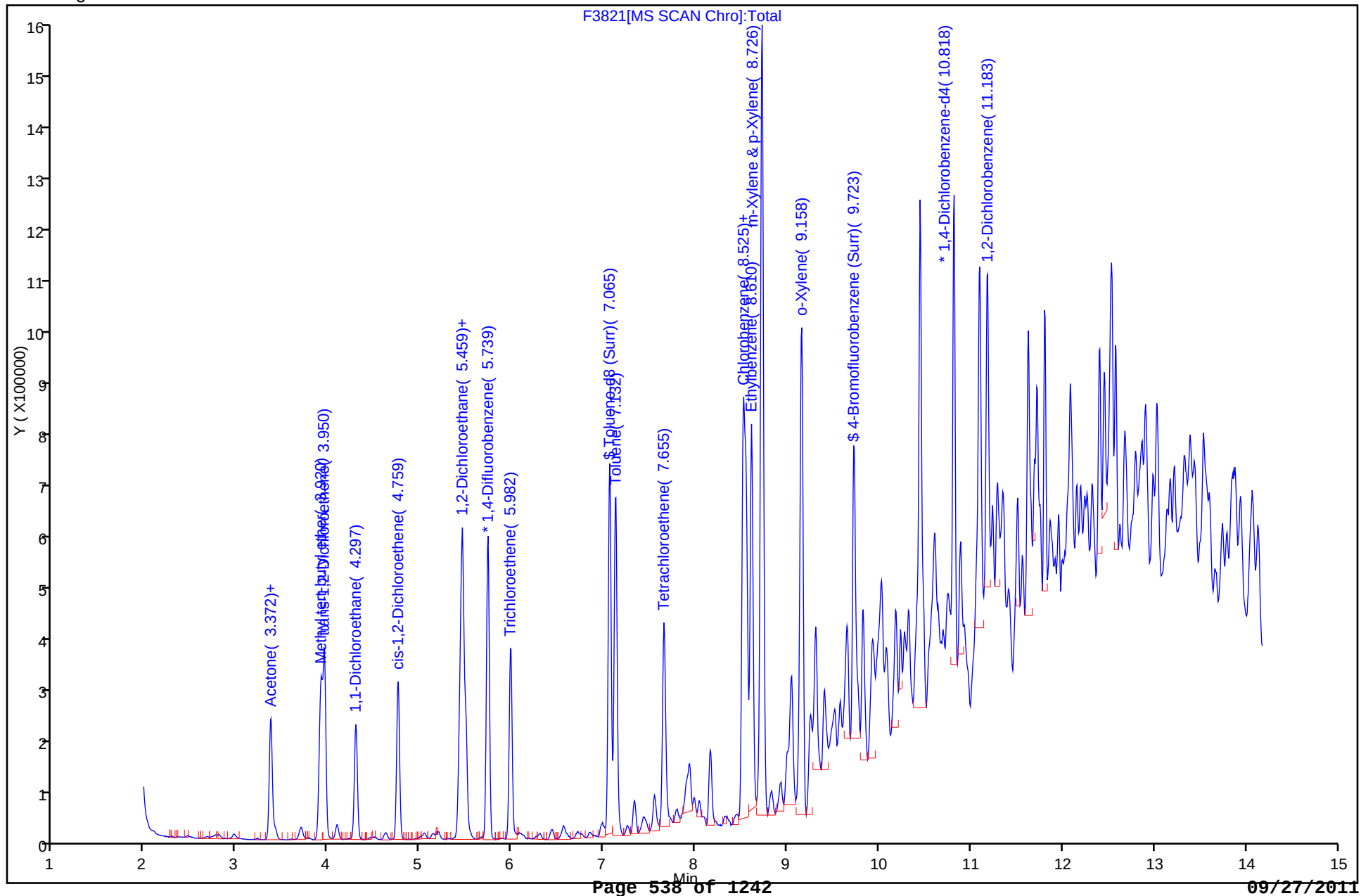
Lims Sample ID: 15

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Instrument ID: HP5973F Start Date: 08/31/2011 14:02Analysis Batch Number: 29632 End Date: 08/31/2011 20:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-29632/1		08/31/2011 14:02	1	F3627.D	ZB-624 (60) 0.25 (mm)
STD7 480-29632/12 IC		08/31/2011 18:44	1	F3638.D	ZB-624 (60) 0.25 (mm)
STD8 480-29632/13 IC		08/31/2011 19:10	1	F3639.D	ZB-624 (60) 0.25 (mm)
STD9 480-29632/14 IC		08/31/2011 19:35	1	F3640.D	ZB-624 (60) 0.25 (mm)
STD10 480-29632/15 IC		08/31/2011 20:01	1	F3641.D	ZB-624 (60) 0.25 (mm)
STD11 480-29632/16 IC		08/31/2011 20:26	1	F3642.D	ZB-624 (60) 0.25 (mm)
STD12 480-29632/17 IC		08/31/2011 20:52	1	F3643.D	ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Instrument ID: HP5973F Start Date: 09/01/2011 12:36Analysis Batch Number: 29774 End Date: 09/01/2011 16:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-29774/1		09/01/2011 12:36	1	F3645.D	ZB-624 (60) 0.25 (mm)
STD1 480-29774/3 IC		09/01/2011 13:30	1	F3647.D	ZB-624 (60) 0.25 (mm)
STD2 480-29774/4 IC		09/01/2011 13:56	1	F3648.D	ZB-624 (60) 0.25 (mm)
STD3 480-29774/5 IC		09/01/2011 14:22	1	F3649.D	ZB-624 (60) 0.25 (mm)
STD4 480-29774/6 ICIS		09/01/2011 14:47	1	F3650.D	ZB-624 (60) 0.25 (mm)
STD5 480-29774/7 IC		09/01/2011 15:13	1	F3651.D	ZB-624 (60) 0.25 (mm)
STD6 480-29774/8 IC		09/01/2011 15:38	1	F3652.D	ZB-624 (60) 0.25 (mm)
ICV 480-29774/10		09/01/2011 16:30	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Instrument ID: HP5973F Start Date: 09/10/2011 12:39Analysis Batch Number: 30731 End Date: 09/10/2011 22:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-30731/1		09/10/2011 12:39	1	F3807.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-30731/2		09/10/2011 13:06	1	F3808.D	ZB-624 (60) 0.25 (mm)
CCV 480-30731/3		09/10/2011 13:41	1		ZB-624 (60) 0.25 (mm)
LCS 480-30731/4		09/10/2011 14:07	1	F3810.D	ZB-624 (60) 0.25 (mm)
MB 480-30731/5		09/10/2011 14:33	1	F3811.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		09/10/2011 15:37	1		ZB-624 (60) 0.25 (mm)
480-9503-1	SB-C3 (5-8)	09/10/2011 16:03	1	F3814.D	ZB-624 (60) 0.25 (mm)
480-9503-3	SB-C8 (3-4)	09/10/2011 16:54	1	F3816.D	ZB-624 (60) 0.25 (mm)
480-9503-4	SB-C1 (5-8)	09/10/2011 17:20	1	F3817.D	ZB-624 (60) 0.25 (mm)
480-9503-5	DUP-01	09/10/2011 17:45	1	F3818.D	ZB-624 (60) 0.25 (mm)
480-9503-6	SB-B1 (5-9)	09/10/2011 18:11	1	F3819.D	ZB-624 (60) 0.25 (mm)
480-9503-6 MS	SB-B1 (5-9) MS	09/10/2011 18:36	1	F3820.D	ZB-624 (60) 0.25 (mm)
480-9503-6 MSD	SB-B1 (5-9) MSD	09/10/2011 19:01	1	F3821.D	ZB-624 (60) 0.25 (mm)
480-9503-7	SB-B2 (3-4)	09/10/2011 19:27	1	F3822.D	ZB-624 (60) 0.25 (mm)
480-9503-8	DUP-02	09/10/2011 19:53	1	F3823.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		09/10/2011 22:00	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Instrument ID: HP5973F Start Date: 09/12/2011 18:21Analysis Batch Number: 30918 End Date: 09/13/2011 04:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-30918/1		09/12/2011 18:21	1	F3829.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-30918/2		09/12/2011 18:59	1	F3830.D	ZB-624 (60) 0.25 (mm)
CCV 480-30918/3		09/12/2011 19:33	1	F3831.D	ZB-624 (60) 0.25 (mm)
LCS 480-30918/4		09/12/2011 19:58	1	F3832.D	ZB-624 (60) 0.25 (mm)
MB 480-30918/5		09/12/2011 20:24	1	F3833.D	ZB-624 (60) 0.25 (mm)
480-9503-2	SB-C6 (5-6)	09/12/2011 20:58	1	F3834.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		09/12/2011 21:24	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/12/2011 21:49	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/12/2011 22:15	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/12/2011 22:40	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/12/2011 23:06	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/12/2011 23:32	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/12/2011 23:57	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/13/2011 00:22	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/13/2011 00:48	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/13/2011 01:13	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/13/2011 01:39	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/13/2011 02:05	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/13/2011 02:30	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/13/2011 02:55	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/13/2011 03:21	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/13/2011 03:46	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/13/2011 04:12	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/13/2011 04:37	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Instrument ID: HP5973F Start Date: 09/10/2011 12:39Analysis Batch Number: 31837 End Date: 09/10/2011 15:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-31837/1		09/10/2011 12:39	1	F3807A.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-31837/2		09/10/2011 13:06	1	F3808A.D	ZB-624 (60) 0.25 (mm)
CCV 480-31837/3		09/10/2011 13:41	1		ZB-624 (60) 0.25 (mm)
LCS 480-31837/4		09/10/2011 14:07	1	F3810A.D	ZB-624 (60) 0.25 (mm)
MB 480-31837/5		09/10/2011 14:33	1	F3811A.D	ZB-624 (60) 0.25 (mm)
480-9503-9	TRIP BLANK	09/10/2011 15:12	1	F3812.D	ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Instrument ID: HP5973P Start Date: 08/18/2011 14:32Analysis Batch Number: 27944 End Date: 08/18/2011 21:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-27944/2		08/18/2011 14:32	1	P4549.D	ZB-624 (60) 0.25 (mm)
STD1 480-27944/4 IC		08/18/2011 15:26	1	P4551.D	ZB-624 (60) 0.25 (mm)
STD2 480-27944/5 IC		08/18/2011 15:51	1	P4552.D	ZB-624 (60) 0.25 (mm)
STD3 480-27944/6 IC		08/18/2011 16:16	1	P4553.D	ZB-624 (60) 0.25 (mm)
STD4 480-27944/7 ICIS		08/18/2011 16:42	1	P4554.D	ZB-624 (60) 0.25 (mm)
STD5 480-27944/8 IC		08/18/2011 17:07	1	P4555.D	ZB-624 (60) 0.25 (mm)
STD6 480-27944/9 IC		08/18/2011 17:33	1	P4556.D	ZB-624 (60) 0.25 (mm)
ICV 480-27944/11		08/18/2011 18:24	1		ZB-624 (60) 0.25 (mm)
STD7 480-27944/13 IC		08/18/2011 19:15	1	P4560.D	ZB-624 (60) 0.25 (mm)
STD8 480-27944/14 IC		08/18/2011 19:41	1	P4561.D	ZB-624 (60) 0.25 (mm)
STD9 480-27944/15 IC		08/18/2011 20:06	1	P4562.D	ZB-624 (60) 0.25 (mm)
STD10 480-27944/16 IC		08/18/2011 20:32	1	P4563.D	ZB-624 (60) 0.25 (mm)
STD11 480-27944/17 IC		08/18/2011 20:57	1	P4564.D	ZB-624 (60) 0.25 (mm)
STD12 480-27944/18 IC		08/18/2011 21:23	1	P4565.D	ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-9072-1

SDG No.: _____

Instrument ID: HP5973PStart Date: 08/30/2011 11:28Analysis Batch Number: 29441End Date: 08/30/2011 22:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-29441/1		08/30/2011 11:28	1	P4753.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-29441/2		08/30/2011 11:55	1	P4754.D	ZB-624 (60) 0.25 (mm)
CCV 480-29441/3		08/30/2011 12:34	1	P4755.D	ZB-624 (60) 0.25 (mm)
LCS 480-29441/4		08/30/2011 12:59	1	P4756.D	ZB-624 (60) 0.25 (mm)
MB 480-29441/5		08/30/2011 13:25	1	P4757.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		08/30/2011 14:05	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		08/30/2011 14:31	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		08/30/2011 14:57	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		08/30/2011 15:22	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		08/30/2011 15:48	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		08/30/2011 16:13	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		08/30/2011 16:39	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		08/30/2011 17:04	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		08/30/2011 17:30	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		08/30/2011 17:55	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		08/30/2011 18:21	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		08/30/2011 18:46	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		08/30/2011 19:12	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		08/30/2011 19:37	1		ZB-624 (60) 0.25 (mm)
480-9072-1	SB-B4 (5-8)	08/30/2011 20:03	1	P4772.D	ZB-624 (60) 0.25 (mm)
480-9072-2	SB-B5 (5-9)	08/30/2011 20:28	1	P4773.D	ZB-624 (60) 0.25 (mm)
480-9072-3	SB-B6 (5-9)	08/30/2011 20:54	1	P4774.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		08/30/2011 21:19	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		08/30/2011 21:45	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		08/30/2011 22:10	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Batch Number: 29456 Batch Start Date: 08/30/11 11:48 Batch Analyst: Quirk, Patrick JBatch Method: 5035 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount		
480-9072-A-1	SB-B4 (5-8)	5035, 8260B	T	30.639 g	36.60 g	5.961 g	5 g		
480-9072-A-2	SB-B5 (5-9)	5035, 8260B	T	30.806 g	36.62 g	5.814 g	5 g		
480-9072-A-3	SB-B6 (5-9)	5035, 8260B	T	30.667 g	37.40 g	6.733 g	5 g		

Batch Notes	

Basis	Basis Description
T	Total/NA

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Batch Number: 30734 Batch Start Date: 09/10/11 13:41 Batch Analyst: Quirk, Patrick JBatch Method: 5035 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount		
480-9503-A-1	SB-C3 (5-8)	5035, 8260B	T	31.153 g	39.31 g	8.157 g	5 g		
480-9503-A-3	SB-C8 (3-4)	5035, 8260B	T	31.100 g	37.02 g	5.92 g	5 g		
480-9503-A-4	SB-C1 (5-8)	5035, 8260B	T	30.640 g	36.34 g	5.7 g	5 g		
480-9503-A-5	DUP-01	5035, 8260B	T	30.296 g	37.10 g	6.804 g	5 g		
480-9503-B-6	SB-B1 (5-9)	5035, 8260B	T	30.742 g	38.76 g	8.018 g	5 g		
480-9503-A-6 MS	SB-B1 (5-9)	5035, 8260B	T	31.141 g	38.40 g	7.259 g	5 g		
480-9503-A-6 MSD	SB-B1 (5-9)	5035, 8260B	T	31.124 g	38.27 g	7.146 g	5 g		
480-9503-A-7	SB-B2 (3-4)	5035, 8260B	T	30.318 g	36.12 g	5.802 g	5 g		
480-9503-A-8	DUP-02	5035, 8260B	T	31.121 g	37.32 g	6.199 g	5 g		
480-9503-B-2	SB-C6 (5-6)	5035, 8260B	T	31.176 g	37.694 g	6.518 g	5 g		

Batch Notes	

Basis	Basis Description
T	Total/NA

Method 8270C

Semivolatile Organic Compounds
(GC/MS) by Method 8270C

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Matrix: Solid Level: Low
 GC Column (1): RXI-5Sil MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
SB-B4 (5-8)	480-9072-1	77	89	89	104	98	112
SB-B5 (5-9)	480-9072-2	64	72	75	79	95	97
SB-B6 (5-9)	480-9072-3	70	77	80	84	97	93
SB-C3 (5-8)	480-9503-1	78	92	86	97	61	100
SB-C6 (5-6)	480-9503-2	73	84	78	86	66	94
SB-C8 (3-4)	480-9503-3	82	91	86	94	72	101
SB-C1 (5-8)	480-9503-4	75	87	81	92	75	93
DUP-01	480-9503-5	66	81	73	89	78	94
SB-B1 (5-9)	480-9503-6	98	101	80	90	100	83
SB-B2 (3-4)	480-9503-7	94	106	95	111	109	110
DUP-02	480-9503-8	101	96	89	101	84	106
	MB 480-29814/1-A	56	62	61	73	81	104
	MB 480-30582/1-A	78	85	79	88	92	102
	MB 480-30841/1-A	89	95	88	96	95	103
	LCS 480-29814/2-A	72	77	78	86	98	105
	LCS 480-30582/2-A	84	92	88	95	108	104
	LCS 480-30841/2-A	86	93	88	98	109	101
SB-B1 (5-9) MS	480-9503-6 MS	89	97	88	96	119	93
SB-B1 (5-9) MSD	480-9503-6 MSD	117	103	93	120	119	96

QC LIMITS

2FP = 2-Fluorophenol	18-120
PHL = Phenol-d5	11-120
NBZ = Nitrobenzene-d5	34-132
FBP = 2-Fluorobiphenyl	37-120
TBP = 2,4,6-Tribromophenol	39-146
TPH = p-Terphenyl-d14	58-147

Column to be used to flag recovery values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: W4838.D
 Lab ID: LCS 480-29814/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
2,4-Dinitrotoluene	3280	3290	100	55-125	
2-Chlorophenol	3280	2390	73	38-120	
4-Chloro-3-methylphenol	3280	2940	90	49-125	
4-Nitrophenol	3280	3410	104	43-137	
Acenaphthene	3280	2930	89	53-120	
Bis(2-ethylhexyl) phthalate	3280	3260	99	61-133	
Fluorene	3280	3050	93	63-126	
Hexachloroethane	3280	2250	69	41-120	
N-Nitrosodi-n-propylamine	3280	2600	79	46-120	
Pentachlorophenol	3280	3110	95	33-136	
Phenol	3280	2490	76	36-120	
Pyrene	3280	3220	98	51-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: V4917.D
 Lab ID: LCS 480-30582/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
2,4-Dinitrotoluene	3270	3480	107	55-125	
2-Chlorophenol	3270	2820	86	38-120	
4-Chloro-3-methylphenol	3270	3240	99	49-125	
4-Nitrophenol	3270	3150	97	43-137	
Acenaphthene	3270	3170	97	53-120	
Bis(2-ethylhexyl) phthalate	3270	3220	99	61-133	
Fluorene	3270	3310	101	63-126	
Hexachloroethane	3270	2450	75	41-120	
N-Nitrosodi-n-propylamine	3270	3010	92	46-120	
Pentachlorophenol	3270	2990	92	33-136	
Phenol	3270	2900	89	36-120	
Pyrene	3270	3120	95	51-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: V4961.D
 Lab ID: LCS 480-30841/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
2,4-Dinitrotoluene	3270	3490	107	55-125	
2-Chlorophenol	3270	2820	86	38-120	
4-Chloro-3-methylphenol	3270	3290	101	49-125	
4-Nitrophenol	3270	3180	97	43-137	
Acenaphthene	3270	3280	100	53-120	
Bis(2-ethylhexyl) phthalate	3270	3140	96	61-133	
Fluorene	3270	3380	103	63-126	
Hexachloroethane	3270	2310	71	41-120	
N-Nitrosodi-n-propylamine	3270	3050	93	46-120	
Pentachlorophenol	3270	2580	79	33-136	
Phenol	3270	2930	90	36-120	
Pyrene	3270	3050	93	51-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: V5124.D
 Lab ID: 480-9503-6 MS Client ID: SB-B1 (5-9) MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
2,4-Dinitrotoluene	4010	ND	4080	102	55-125	
2-Chlorophenol	4010	ND	3570	89	38-120	
4-Chloro-3-methylphenol	4010	ND	3970	99	49-125	
4-Nitrophenol	4010	ND	3490	87	43-137	
Acenaphthene	4010	ND	4010	100	53-120	
Bis(2-ethylhexyl) phthalate	4010	ND	3490	87	61-133	
Fluorene	4010	110 J	4050	98	63-126	
Hexachloroethane	4010	ND	2880	72	41-120	
N-Nitrosodi-n-propylamine	4010	ND	3860	96	46-120	
Pentachlorophenol	4010	ND	3620	90	33-136	
Phenol	4010	ND	3770	94	36-120	
Pyrene	4010	31 J	3460	85	51-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: V5080.D
 Lab ID: 480-9503-6 MSD Client ID: SB-B1 (5-9) MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
2,4-Dinitrotoluene	4000	4320	108	6	20	55-125	
2-Chlorophenol	4000	3720	93	4	25	38-120	
4-Chloro-3-methylphenol	4000	4490	112	12	27	49-125	
4-Nitrophenol	4000	3830	96	9	25	43-137	
Acenaphthene	4000	4070	102	1	35	53-120	
Bis(2-ethylhexyl) phthalate	4000	3740	93	7	15	61-133	
Fluorene	4000	4150	101	2	15	63-126	
Hexachloroethane	4000	2680	67	7	46	41-120	
N-Nitrosodi-n-propylamine	4000	3710	93	4	31	46-120	
Pentachlorophenol	4000	3700	92	2	35	33-136	
Phenol	4000	4070	102	8	35	36-120	
Pyrene	4000	3570	88	3	35	51-133	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab File ID: W4837.D Lab Sample ID: MB 480-29814/1-A
Matrix: Solid Date Extracted: 09/01/2011 13:26
Instrument ID: HP5973W Date Analyzed: 09/08/2011 12:21
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-29814/2-A	W4838.D	09/08/2011 12:49
SB-B4 (5-8)	480-9072-1	W4839.D	09/08/2011 13:13
SB-B5 (5-9)	480-9072-2	W4840.D	09/08/2011 13:36
SB-B6 (5-9)	480-9072-3	W4841.D	09/08/2011 14:00

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab File ID: V4916.D Lab Sample ID: MB 480-30582/1-A
Matrix: Solid Date Extracted: 09/09/2011 09:45
Instrument ID: HP5973V Date Analyzed: 09/12/2011 08:21
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-30582/2-A	V4917.D	09/12/2011 08:45
SB-C3 (5-8)	480-9503-1	V4926.D	09/12/2011 12:19
SB-C6 (5-6)	480-9503-2	V4927.D	09/12/2011 12:43
SB-C8 (3-4)	480-9503-3	V4928.D	09/12/2011 13:07
SB-C1 (5-8)	480-9503-4	V4929.D	09/12/2011 13:30
DUP-01	480-9503-5	V4930.D	09/12/2011 13:54

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab File ID: V4960.D Lab Sample ID: MB 480-30841/1-A
Matrix: Solid Date Extracted: 09/12/2011 11:09
Instrument ID: HP5973V Date Analyzed: 09/13/2011 08:23
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-30841/2-A	V4961.D	09/13/2011 08:47
SB-B1 (5-9) MSD	480-9503-6 MSD	V5080.D	09/15/2011 17:06
SB-B1 (5-9)	480-9503-6	V5081.D	09/15/2011 17:29
DUP-02	480-9503-8	V5083.D	09/15/2011 18:17
SB-B1 (5-9) MS	480-9503-6 MS	V5124.D	09/16/2011 14:28
SB-B2 (3-4)	480-9503-7	V5125.D	09/16/2011 14:52

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab File ID: V4594.D DFTPP Injection Date: 09/02/2011
Instrument ID: HP5973V DFTPP Injection Time: 07:48
Analysis Batch No.: 29958

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	52.4
68	Less than 2.0 % of mass 69	0.4 (0.8) 1
69	Mass 69 relative abundance	51.2
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	58.9
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.2
275	10.0 - 30.0 % of mass 198	20.7
365	Greater than 1.0 % of mass 198	2.0
441	Present but less than mass 443	8.4
442	Greater than 40.0 % of mass 198	55.0
443	17.0 - 23.0 % of mass 442	11.2 (20.3) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-29958/8	V4608.D	09/02/2011	13:24
	IC 480-29958/9	V4609.D	09/02/2011	13:47
	IC 480-29958/10	V4610.D	09/02/2011	14:11
	IC 480-29958/11	V4611.D	09/02/2011	14:35
	IC 480-29958/12	V4612.D	09/02/2011	14:59
	IC 480-29958/13	V4613.D	09/02/2011	15:23

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab File ID: V4809.D DFTPP Injection Date: 09/08/2011
Instrument ID: HP5973V DFTPP Injection Time: 07:04
Analysis Batch No.: 30376

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	44.7
68	Less than 2.0 % of mass 69	0.7 (1.7) 1
69	Mass 69 relative abundance	44.5
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	52.7
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.5
275	10.0 - 30.0 % of mass 198	21.6
365	Greater than 1.0 % of mass 198	2.8
441	Present but less than mass 443	10.3
442	Greater than 40.0 % of mass 198	67.0
443	17.0 - 23.0 % of mass 442	13.0 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-30376/2	V4813.D	09/08/2011	08:42
	IC 480-30376/3	V4814.D	09/08/2011	09:06
	IC 480-30376/28	V4815.D	09/08/2011	09:30
	ICIS 480-30376/29	V4816.D	09/08/2011	09:54
	IC 480-30376/30	V4817.D	09/08/2011	10:18
	IC 480-30376/31	V4818.D	09/08/2011	10:41

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab File ID: V4913.D DFTPP Injection Date: 09/12/2011
Instrument ID: HP5973V DFTPP Injection Time: 07:18
Analysis Batch No.: 30771

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	43.3
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	42.7
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	51.9
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.8
275	10.0 - 30.0 % of mass 198	23.8
365	Greater than 1.0 % of mass 198	2.7
441	Present but less than mass 443	10.2
442	Greater than 40.0 % of mass 198	75.1
443	17.0 - 23.0 % of mass 442	14.2 (19.0) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-30771/2	V4914.D	09/12/2011	07:34
	CCV 480-30771/3	V4915.D	09/12/2011	07:58
	MB 480-30582/1-A	V4916.D	09/12/2011	08:21
	LCS 480-30582/2-A	V4917.D	09/12/2011	08:45
SB-C3 (5-8)	480-9503-1	V4926.D	09/12/2011	12:19
SB-C6 (5-6)	480-9503-2	V4927.D	09/12/2011	12:43
SB-C8 (3-4)	480-9503-3	V4928.D	09/12/2011	13:07
SB-C1 (5-8)	480-9503-4	V4929.D	09/12/2011	13:30
DUP-01	480-9503-5	V4930.D	09/12/2011	13:54

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab File ID: V4957.D DFTPP Injection Date: 09/13/2011
Instrument ID: HP5973V DFTPP Injection Time: 07:20
Analysis Batch No.: 30945

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	43.4
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	44.0
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	53.8
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	7.2
275	10.0 - 30.0 % of mass 198	23.1
365	Greater than 1.0 % of mass 198	2.6
441	Present but less than mass 443	10.1
442	Greater than 40.0 % of mass 198	72.6
443	17.0 - 23.0 % of mass 442	14.0 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-30945/2	V4958.D	09/13/2011	07:36
	CCV 480-30945/3	V4959.D	09/13/2011	07:59
	MB 480-30841/1-A	V4960.D	09/13/2011	08:23
	LCS 480-30841/2-A	V4961.D	09/13/2011	08:47

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab File ID: V5055.D DFTPP Injection Date: 09/15/2011
Instrument ID: HP5973V DFTPP Injection Time: 07:21
Analysis Batch No.: 31329

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	45.5
68	Less than 2.0 % of mass 69	0.9 (1.9) 1
69	Mass 69 relative abundance	44.8
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	54.0
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.6
275	10.0 - 30.0 % of mass 198	24.4
365	Greater than 1.0 % of mass 198	2.7
441	Present but less than mass 443	8.7
442	Greater than 40.0 % of mass 198	67.0
443	17.0 - 23.0 % of mass 442	13.2 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-31329/2	V5056.D	09/15/2011	07:36
	CCV 480-31329/3	V5057.D	09/15/2011	08:00
SB-B1 (5-9) MSD	480-9503-6 MSD	V5080.D	09/15/2011	17:06
SB-B1 (5-9)	480-9503-6	V5081.D	09/15/2011	17:29
DUP-02	480-9503-8	V5083.D	09/15/2011	18:17

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab File ID: V5107.D DFTPP Injection Date: 09/16/2011
Instrument ID: HP5973V DFTPP Injection Time: 07:42
Analysis Batch No.: 31527

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	42.8
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	43.5
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	51.2
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	7.6
275	10.0 - 30.0 % of mass 198	22.3
365	Greater than 1.0 % of mass 198	2.3
441	Present but less than mass 443	10.1
442	Greater than 40.0 % of mass 198	66.3
443	17.0 - 23.0 % of mass 442	13.8 (20.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-31527/2	V5108.D	09/16/2011	08:09
	CCV 480-31527/3	V5109.D	09/16/2011	08:33
SB-B1 (5-9) MS	480-9503-6 MS	V5124.D	09/16/2011	14:28
SB-B2 (3-4)	480-9503-7	V5125.D	09/16/2011	14:52

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Lab File ID: W4781.D DFTPP Injection Date: 09/07/2011
 Instrument ID: HP5973W DFTPP Injection Time: 11:22
 Analysis Batch No.: 30276

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	47.2
68	Less than 2.0 % of mass 69	0.2 (0.6) 1
69	Mass 69 relative abundance	40.8
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	50.1
197	Less than 1.0 % of mass 198	0.7
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.6
275	10.0 - 30.0 % of mass 198	19.8
365	Greater than 1.0 % of mass 198	2.7
441	Present but less than mass 443	10.3
442	Greater than 40.0 % of mass 198	69.3
443	17.0 - 23.0 % of mass 442	13.9 (20.0) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-30276/2	W4782.D	09/07/2011	12:10
	IC 480-30276/3	W4783.D	09/07/2011	13:06
	IC 480-30276/4	W4784.D	09/07/2011	13:29
	ICIS 480-30276/5	W4785.D	09/07/2011	13:53
	IC 480-30276/6	W4786.D	09/07/2011	14:16
	IC 480-30276/7	W4787.D	09/07/2011	14:40
	IC 480-30276/8	W4788.D	09/07/2011	15:03
	IC 480-30276/9	W4789.D	09/07/2011	15:27
	IC 480-30276/10	W4790.D	09/07/2011	15:50
	IC 480-30276/11	W4791.D	09/07/2011	16:14
	IC 480-30276/12	W4792.D	09/07/2011	16:37
	IC 480-30276/13	W4793.D	09/07/2011	17:01

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab File ID: W4834.D DFTPP Injection Date: 09/08/2011
Instrument ID: HP5973W DFTPP Injection Time: 10:40
Analysis Batch No.: 30456

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	44.3
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	39.5
70	Less than 2.0 % of mass 69	0.1 (0.4) 1
127	40.0 - 60.0 % of mass 198	48.8
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.5
275	10.0 - 30.0 % of mass 198	21.6
365	Greater than 1.0 % of mass 198	2.8
441	Present but less than mass 443	11.8
442	Greater than 40.0 % of mass 198	79.9
443	17.0 - 23.0 % of mass 442	15.2 (19.0) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-30456/2	W4835.D	09/08/2011	11:34
	CCV 480-30456/3	W4836.D	09/08/2011	11:57
	MB 480-29814/1-A	W4837.D	09/08/2011	12:21
	LCS 480-29814/2-A	W4838.D	09/08/2011	12:49
SB-B4 (5-8)	480-9072-1	W4839.D	09/08/2011	13:13
SB-B5 (5-9)	480-9072-2	W4840.D	09/08/2011	13:36
SB-B6 (5-9)	480-9072-3	W4841.D	09/08/2011	14:00

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Sample No.: ICIS 480-30376/29 Date Analyzed: 09/08/2011 09:54
Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): V4816.D Heated Purge: (Y/N) N
Calibration ID: 3842

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	103640	5.89	391488	7.60	229519	9.88	
UPPER LIMIT	207280	6.39	782976	8.10	459038	10.38	
LOWER LIMIT	51820	5.39	195744	7.10	114760	9.38	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-30771/2		112723	5.86	420929	7.57	245923	9.85
CCVIS 480-30945/2		113979	5.83	428500	7.55	249355	9.83
CCVIS 480-31329/2		126167	5.80	463511	7.53	266813	9.81
CCVIS 480-31527/2		112402	5.78	419578	7.51	241045	9.78

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Sample No.: ICIS 480-30376/29 Date Analyzed: 09/08/2011 09:54
Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): V4816.D Heated Purge: (Y/N) N
Calibration ID: 3842

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	390432	11.57	355370	14.06	352651	15.37	
UPPER LIMIT	780864	12.07	710740	14.56	705302	15.87	
LOWER LIMIT	195216	11.07	177685	13.56	176326	14.87	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-30771/2		421344	11.55	384146	14.03	376761	15.33
CCVIS 480-30945/2		414800	11.53	384655	14.01	378275	15.30
CCVIS 480-31329/2		441417	11.51	404831	13.99	373060	15.27
CCVIS 480-31527/2		401772	11.49	362495	13.97	347965	15.25

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Sample No.: CCVIS 480-30771/2 Date Analyzed: 09/12/2011 07:34
 Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): V4914.D Heated Purge: (Y/N) N
 Calibration ID: 3842

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	112723	5.86	420929	7.57	245923	9.85	
UPPER LIMIT	225446	6.36	841858	8.07	491846	10.35	
LOWER LIMIT	56362	5.36	210465	7.07	122962	9.35	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-30771/3		109048	5.86	413205	7.57	232021	9.85
MB 480-30582/1-A		99067	5.86	394376	7.57	226444	9.85
LCS 480-30582/2-A		97877	5.86	380223	7.57	227521	9.85
480-9503-1	SB-C3 (5-8)	99343	5.86	398859	7.57	231453	9.85
480-9503-2	SB-C6 (5-6)	108729	5.86	436204	7.57	259349	9.85
480-9503-3	SB-C8 (3-4)	101870	5.86	407481	7.57	244512	9.85
480-9503-4	SB-C1 (5-8)	99450	5.86	399219	7.57	232643	9.85
480-9503-5	DUP-01	104195	5.86	419669	7.57	241452	9.85

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Sample No.: CCVIS 480-30771/2 Date Analyzed: 09/12/2011 07:34
 Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): V4914.D Heated Purge: (Y/N) N
 Calibration ID: 3842

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		421344	11.55	384146	14.03	376761	15.33
UPPER LIMIT		842688	12.05	768292	14.53	753522	15.83
LOWER LIMIT		210672	11.05	192073	13.53	188381	14.83
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-30771/3		396421	11.55	376051	14.02	350654	15.32
MB 480-30582/1-A		385586	11.55	385285	14.02	343297	15.32
LCS 480-30582/2-A		388148	11.55	376785	14.03	360358	15.32
480-9503-1	SB-C3 (5-8)	370554	11.55	391480	14.02	472514	15.33
480-9503-2	SB-C6 (5-6)	431560	11.55	429331	14.02	497163	15.32
480-9503-3	SB-C8 (3-4)	406353	11.55	411181	14.02	473876	15.32
480-9503-4	SB-C1 (5-8)	377260	11.55	394992	14.02	467785	15.33
480-9503-5	DUP-01	399100	11.55	408832	14.02	489931	15.33

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Sample No.: CCVIS 480-30945/2 Date Analyzed: 09/13/2011 07:36
Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): V4958.D Heated Purge: (Y/N) N
Calibration ID: 3842

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	113979	5.83	428500	7.55	249355	9.83	
UPPER LIMIT	227958	6.33	857000	8.05	498710	10.33	
LOWER LIMIT	56990	5.33	214250	7.05	124678	9.33	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-30945/3		112973	5.83	422701	7.55	238911	9.83
MB 480-30841/1-A		100763	5.83	393924	7.55	227847	9.83
LCS 480-30841/2-A		101661	5.83	390561	7.55	231079	9.83

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Sample No.: CCVIS 480-30945/2 Date Analyzed: 09/13/2011 07:36
Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): V4958.D Heated Purge: (Y/N) N
Calibration ID: 3842

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		414800	11.53	384655	14.01	378275	15.30
UPPER LIMIT		829600	12.03	769310	14.51	756550	15.80
LOWER LIMIT		207400	11.03	192328	13.51	189138	14.80
LAB SAMPLE ID		CLIENT SAMPLE ID					
CCV 480-30945/3		396869	11.53	366630	14.01	350883	15.30
MB 480-30841/1-A		375829	11.53	378236	14.01	340027	15.30
LCS 480-30841/2-A		396007	11.53	398957	14.01	365860	15.30

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Sample No.: CCVIS 480-31329/2 Date Analyzed: 09/15/2011 07:36
 Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): V5056.D Heated Purge: (Y/N) N
 Calibration ID: 3842

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	126167	5.80	463511	7.53	266813	9.81	
UPPER LIMIT	252334	6.30	927022	8.03	533626	10.31	
LOWER LIMIT	63084	5.30	231756	7.03	133407	9.31	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-31329/3		114801	5.80	434495	7.52	239884	9.81
480-9503-6 MSD	SB-B1 (5-9) MSD	121072	5.80	446816	7.53	234544	9.81
480-9503-6	SB-B1 (5-9)	119803	5.80	446867	7.52	247696	9.81
480-9503-8	DUP-02	130601	5.80	454973	7.52	296497	9.81

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Sample No.: CCVIS 480-31329/2 Date Analyzed: 09/15/2011 07:36
Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): V5056.D Heated Purge: (Y/N) N
Calibration ID: 3842

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	441417	11.51	404831	13.99	373060	15.27	
UPPER LIMIT	882834	12.01	809662	14.49	746120	15.77	
LOWER LIMIT	220709	11.01	202416	13.49	186530	14.77	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-31329/3		398639	11.51	360818	13.98	337736	15.27
480-9503-6 MSD	SB-B1 (5-9) MSD	386815	11.52	448097	13.99	525994	15.28
480-9503-6	SB-B1 (5-9)	504821	11.51	560807	13.99	687322	15.28
480-9503-8	DUP-02	483163	11.51	495410	13.99	565475	15.28

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Sample No.: CCVIS 480-31527/2 Date Analyzed: 09/16/2011 08:09
Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): V5108.D Heated Purge: (Y/N) N
Calibration ID: 3842

		DCB		NPT		ANT		
		AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD		112402	5.78	419578	7.51	241045	9.78	
UPPER LIMIT		224804	6.28	839156	8.01	482090	10.28	
LOWER LIMIT		56201	5.28	209789	7.01	120523	9.28	
LAB SAMPLE ID		CLIENT SAMPLE ID						
CCV 480-31527/3		104122	5.78	389572	7.50	216529	9.78	
480-9503-6 MS		SB-B1 (5-9) MS	98810	5.78	382305	7.51	219504	9.79
480-9503-7		SB-B2 (3-4)	95810	5.78	368475	7.50	213891	9.78

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Sample No.: CCVIS 480-31527/2 Date Analyzed: 09/16/2011 08:09
Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): V5108.D Heated Purge: (Y/N) N
Calibration ID: 3842

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	401772	11.49	362495	13.97	347965	15.25	
UPPER LIMIT	803544	11.99	724990	14.47	695930	15.75	
LOWER LIMIT	200886	10.99	181248	13.47	173983	14.75	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-31527/3		357302	11.49	339237	13.97	313468	15.24
480-9503-6 MS	SB-B1 (5-9) MS	351022	11.49	394343	13.97	476757	15.25
480-9503-7	SB-B2 (3-4)	345086	11.49	375204	13.97	446098	15.25

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Sample No.: ICIS 480-30276/5 Date Analyzed: 09/07/2011 13:53
Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): W4785.D Heated Purge: (Y/N) N
Calibration ID: 3837

	DCB		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	114899	6.06	474999	7.73	263882	10.00
UPPER LIMIT	229798	6.56	949998	8.23	527764	10.50
LOWER LIMIT	57450	5.56	237500	7.23	131941	9.50
LAB SAMPLE ID	CLIENT SAMPLE ID					
CCVIS 480-30456/2		114881	6.05	454833	7.74	245680
						10.02

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Sample No.: ICIS 480-30276/5 Date Analyzed: 09/07/2011 13:53
Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): W4785.D Heated Purge: (Y/N) N
Calibration ID: 3837

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	473032	11.69	464528	14.17	442781	15.52	
UPPER LIMIT	946064	12.19	929056	14.67	885562	16.02	
LOWER LIMIT	236516	11.19	232264	13.67	221391	15.02	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-30456/2		431665	11.70	422040	14.19	389724	15.55

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Sample No.: CCVIS 480-30456/2 Date Analyzed: 09/08/2011 11:34
 Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): W4835.D Heated Purge: (Y/N) N
 Calibration ID: 3839

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		114881	6.05	454833	7.74	245680	10.02
UPPER LIMIT		229762	6.55	909666	8.24	491360	10.52
LOWER LIMIT		57441	5.55	227417	7.24	122840	9.52
LAB SAMPLE ID		CLIENT SAMPLE ID					
CCV 480-30456/3		107808	6.05	444224	7.73	232604	10.01
MB 480-29814/1-A		112077	6.05	465923	7.73	244583	10.01
LCS 480-29814/2-A		117045	6.05	483477	7.74	260959	10.02
480-9072-1	SB-B4 (5-8)	98366	6.05	405291	7.73	223690	10.01
480-9072-2	SB-B5 (5-9)	104264	6.05	424368	7.73	234667	10.01
480-9072-3	SB-B6 (5-9)	103868	6.05	422683	7.73	232205	10.01

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Sample No.: CCVIS 480-30456/2 Date Analyzed: 09/08/2011 11:34
 Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): W4835.D Heated Purge: (Y/N) N
 Calibration ID: 3839

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		431665	11.70	422040	14.19	389724	15.55
UPPER LIMIT		863330	12.20	844080	14.69	779448	16.05
LOWER LIMIT		215833	11.20	211020	13.69	194862	15.05
LAB SAMPLE ID		CLIENT SAMPLE ID					
CCV 480-30456/3		409175	11.70	353664	14.19	371371	15.55
MB 480-29814/1-A		423814	11.70	384681	14.19	387006	15.54
LCS 480-29814/2-A		460192	11.70	430031	14.19	423412	15.55
480-9072-1	SB-B4 (5-8)	391938	11.70	398328	14.18	437124	15.54
480-9072-2	SB-B5 (5-9)	416285	11.70	426203	14.18	445275	15.54
480-9072-3	SB-B6 (5-9)	391924	11.70	432305	14.18	441581	15.54

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-B4 (5-8)</u>	Lab Sample ID: <u>480-9072-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>W4839.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>08/25/2011 08:30</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/01/2011 13:26</u>
Sample wt/vol: <u>+30.23(g)</u>	Date Analyzed: <u>09/08/2011 13:13</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>5</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>7.4</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>30456</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		910	56
108-60-1	bis (2-chloroisopropyl) ether	ND		910	95
95-95-4	2,4,5-Trichlorophenol	ND		910	200
88-06-2	2,4,6-Trichlorophenol	ND		910	60
120-83-2	2,4-Dichlorophenol	ND		910	47
105-67-9	2,4-Dimethylphenol	ND		910	240
51-28-5	2,4-Dinitrophenol	ND		1800	320
121-14-2	2,4-Dinitrotoluene	ND		910	140
606-20-2	2,6-Dinitrotoluene	ND		910	220
91-58-7	2-Chloronaphthalene	ND		910	61
95-57-8	2-Chlorophenol	ND		910	46
91-57-6	2-Methylnaphthalene	ND		910	11
95-48-7	2-Methylphenol	ND		910	28
88-74-4	2-Nitroaniline	ND		1800	290
88-75-5	2-Nitrophenol	ND		910	41
91-94-1	3,3'-Dichlorobenzidine	ND		910	790
99-09-2	3-Nitroaniline	ND		1800	210
534-52-1	4,6-Dinitro-2-methylphenol	ND		1800	310
101-55-3	4-Bromophenyl phenyl ether	ND		910	290
59-50-7	4-Chloro-3-methylphenol	ND		910	37
106-47-8	4-Chloroaniline	ND		910	270
7005-72-3	4-Chlorophenyl phenyl ether	ND		910	19
106-44-5	4-Methylphenol	ND		1800	50
100-01-6	4-Nitroaniline	ND		1800	100
100-02-7	4-Nitrophenol	ND		1800	220
83-32-9	Acenaphthene	ND		910	11
208-96-8	Acenaphthylene	ND		910	7.4
98-86-2	Acetophenone	ND		910	46
120-12-7	Anthracene	ND		910	23
1912-24-9	Atrazine	ND		910	40
100-52-7	Benzaldehyde	ND		910	99
56-55-3	Benzo (a) anthracene	ND		910	16
50-32-8	Benzo (a) pyrene	ND		910	22
205-99-2	Benzo (b) fluoranthene	ND		910	18

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-B4 (5-8)</u>	Lab Sample ID: <u>480-9072-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>W4839.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>08/25/2011 08:30</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/01/2011 13:26</u>
Sample wt/vol: <u>+30.23(g)</u>	Date Analyzed: <u>09/08/2011 13:13</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>5</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>7.4</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>30456</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		910	11
207-08-9	Benzo(k)fluoranthene	ND		910	10
111-91-1	Bis(2-chloroethoxy)methane	ND		910	49
111-44-4	Bis(2-chloroethyl)ether	ND		910	78
117-81-7	Bis(2-ethylhexyl) phthalate	ND		910	290
85-68-7	Butyl benzyl phthalate	ND		910	240
105-60-2	Caprolactam	ND		910	390
86-74-8	Carbazole	ND		910	10
218-01-9	Chrysene	ND		910	9.0
84-74-2	Di-n-butyl phthalate	ND		910	310
117-84-0	Di-n-octyl phthalate	ND		910	21
53-70-3	Dibenz(a,h)anthracene	ND		910	11
132-64-9	Dibenzofuran	ND		910	9.4
84-66-2	Diethyl phthalate	ND		910	27
131-11-3	Dimethyl phthalate	ND		910	24
206-44-0	Fluoranthene	ND		910	13
86-73-7	Fluorene	ND		910	21
118-74-1	Hexachlorobenzene	ND		910	45
87-68-3	Hexachlorobutadiene	ND		910	46
77-47-4	Hexachlorocyclopentadiene	ND		910	270
67-72-1	Hexachloroethane	ND		910	70
193-39-5	Indeno(1,2,3-cd)pyrene	ND		910	25
78-59-1	Isophorone	ND		910	45
621-64-7	N-Nitrosodi-n-propylamine	ND		910	72
86-30-6	N-Nitrosodiphenylamine	ND		910	49
91-20-3	Naphthalene	ND		910	15
98-95-3	Nitrobenzene	ND		910	40
87-86-5	Pentachlorophenol	ND		1800	310
85-01-8	Phenanthrene	ND		910	19
108-95-2	Phenol	ND		910	95
129-00-0	Pyrene	ND		910	5.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: SB-B4 (5-8) Lab Sample ID: 480-9072-1
Matrix: Solid Lab File ID: W4839.D
Analysis Method: 8270C Date Collected: 08/25/2011 08:30
Extract. Method: 3550B Date Extracted: 09/01/2011 13:26
Sample wt/vol: +30.23(g) Date Analyzed: 09/08/2011 13:13
Con. Extract Vol.: 1(mL) Dilution Factor: 5
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 7.4 GPC Cleanup: (Y/N) N
Analysis Batch No.: 30456 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	98		39-146
321-60-8	2-Fluorobiphenyl	104		37-120
367-12-4	2-Fluorophenol	77		18-120
4165-60-0	Nitrobenzene-d5	89		34-132
1718-51-0	p-Terphenyl-d14	112		58-147
4165-62-2	Phenol-d5	89		11-120

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: SB-B4 (5-8) Lab Sample ID: 480-9072-1
Matrix: Solid Lab File ID: W4839.D
Analysis Method: 8270C Date Collected: 08/25/2011 08:30
Extract. Method: 3550B Date Extracted: 09/01/2011 13:26
Sample wt/vol: +30.23(g) Date Analyzed: 09/08/2011 13:13
Con. Extract Vol.: 1(mL) Dilution Factor: 5
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 7.4 GPC Cleanup: (Y/N) N
Analysis Batch No.: 30456 Units: ug/Kg
Number TICs Found: 2 TIC Result Total: 3400

CAS NO.	COMPOUND NAME	RT	RESULT	Q
57-10-3	n-Hexadecanoic acid	12.28	1100	T J N
57-11-4	Octadecanoic acid	13.01	2300	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4839.D
 Lims ID: 480-9072-E-1-A Client ID: SB-B4 (5-8)
 Inject. Date: 08-Sep-2011 13:13:30 Dil. Factor: 5.0000
 Sample Type: Client
 Sample ID: 480-0005823-006
 Misc. Info.: 480-9072-E-1-A =480-9072-E-1-A
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 30456 Lims Sample ID: 6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W-8270.m
 Last Update: 09-Sep-2011 10:28:24 Calib Date: 07-Sep-2011 19:22:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4799.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: pfenderk

Date: 09-Sep-2011 16:52:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.046	6.046	0.0	98	98366	40.0	
* 2 Naphthalene-d8	136	7.734	7.734	0.0	100	405291	40.0	
* 3 Acenaphthene-d10	164	10.010	10.010	0.0	99	223690	40.0	
* 4 Phenanthrene-d10	188	11.698	11.704	-0.006	99	391938	40.0	
* 5 Chrysene-d12	240	14.182	14.188	-0.006	85	398328	40.0	
* 6 Perylene-d12	264	15.539	15.545	-0.006	86	437124	40.0	
\$ 7 2-Fluorophenol	112	4.272	4.278	-0.006	95	84506	23.1	
\$ 8 Phenol-d5	99	5.544	5.554	-0.010	87	121568	26.8	
\$ 9 Nitrobenzene-d5	82	6.778	6.783	-0.005	96	67895	17.9	
\$ 10 2-Fluorobiphenyl	172	9.150	9.160	-0.010	99	142164	20.9	
\$ 11 2,4,6-Tribromophenol	330	10.945	10.950	-0.005	85	27327	29.4	
\$ 12 p-Terphenyl-d14	244	13.242	13.247	-0.005	96	187943	22.5	
71 Benzaldehyde	77		5.442					
72 Phenol	94		5.570					
74 Bis(2-chloroethyl)ether	93		5.688					
75 2-Chlorophenol	128		5.768					
82 2-Methylphenol	108		6.393					
83 2,2'-oxybis[1-chloropropane]	45		6.430					
86 Acetophenone	105		6.580					
88 4-Methylphenol	108		6.601					
87 N-Nitrosodi-n-propylamine	70		6.601					
89 Hexachloroethane	117		6.735					
85 Nitrobenzene	77		6.810					
94 Isophorone	82		7.130					
97 2-Nitrophenol	139		7.237					
99 2,4-Dimethylphenol	107		7.312					
103 Bis(2-chloroethoxy)methane	93		7.429					
106 2,4-Dichlorophenol	162		7.558					
107 Naphthalene	128		7.766					
108 4-Chloroaniline	127		7.841					
110 Hexachlorobutadiene	225		7.958					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
114 Caprolactam	113		8.242					
117 4-Chloro-3-methylphenol	107		8.487					
121 2-Methylnaphthalene	142		8.674					
125 Hexachlorocyclopentadiene	237		8.904					
127 2,4,6-Trichlorophenol	196		9.048					
129 2,4,5-Trichlorophenol	196		9.086					
130 1,1'-Biphenyl	154		9.278					
131 2-Chloronaphthalene	162		9.299					
132 2-Nitroaniline	65		9.433					
134 Dimethyl phthalate	163		9.684					
135 2,6-Dinitrotoluene	165		9.748					
137 Acenaphthylene	152		9.833					
140 3-Nitroaniline	138		9.956					
141 Acenaphthene	153		10.053					
142 2,4-Dinitrophenol	184		10.090					
143 4-Nitrophenol	109		10.175					
144 2,4-Dinitrotoluene	165		10.256					
145 Dibenzofuran	168		10.266					
149 Diethyl phthalate	149		10.560					
151 Fluorene	166		10.678					
152 4-Chlorophenyl phenyl ether	204		10.678					
153 4-Nitroaniline	138		10.699					
154 4,6-Dinitro-2-methylphenol	198		10.736					
157 N-Nitrosodiphenylamine	169		10.816					
164 4-Bromophenyl phenyl ether	248		11.228					
168 Hexachlorobenzene	284		11.308					
170 Atrazine	200		11.410					
172 Pentachlorophenol	266		11.516					
177 Phenanthrene	178		11.730					
180 Anthracene	178		11.783					
181 Carbazole	167		11.949					
184 Di-n-butyl phthalate	149		12.302					
191 Fluoranthene	202		12.905					
193 Pyrene	202		13.114					
200 Butyl benzyl phthalate	149		13.675					
204 3,3'-Dichlorobenzidine	252		14.150					
206 Bis(2-ethylhexyl) phthalate	149		14.171					
205 Benzo[a]anthracene	228		14.182					
207 Chrysene	228		14.214					
208 Di-n-octyl phthalate	149		14.722					
209 Benzo[b]fluoranthene	252		15.165					
211 Benzo[k]fluoranthene	252		15.192					
213 Benzo[a]pyrene	252		15.496					
215 Indeno[1,2,3-cd]pyrene	276		16.768					
216 Dibenz(a,h)anthracene	278		16.773					
217 Benzo[g,h,i]perylene	276		17.120					

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4839.D
Lims ID: 480-9072-E-1-A Client ID: SB-B4 (5-8)
Inject. Date: 08-Sep-2011 13:13:30 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 480-0005823-006
Misc. Info.: 480-9072-E-1-A =480-9072-E-1-A
Operator: KLP Instrument ID: HP5973W
Vol. Injected: 1.0000 ALS Bottle#: 5
Lims Batch ID: 30456 Lims Sample ID: 6
Detector: MS SCAN
Method: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W-8270.m
Last Update: 09-Sep-2011 10:28:24 Calib Date: 07-Sep-2011 19:22:30
Tic RT Window: 1.500 -0.000 Response: area
Quant By: Nearest ISTD Quant LOD: 10.00000
MS Library: \\Bufchrom\ChromData\Database\NIST98.L
Min. Match: 85
Process Host: CORP-CTX-16

First Level Reviewer: pfenderk

Date: 09-Sep-2011 16:52:00

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags

57-10-3	n-Hexadecanoic acid					
12.275	161831	6.13	4	93	109984	
57-11-4	Octadecanoic acid					
13.007	340735	12.9	5	98	109986	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL

* 4 Phenanthrene-d10	11.698	1056537	40.0
* 5 Chrysene-d12	14.182	1055515	40.0

QC Flag Legend

Processing Flags

Report Date: 09-Sep-2011 16:52:01

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4839.D

Injection Date: 08-Sep-2011 13:13:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B4 (5-8)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 6

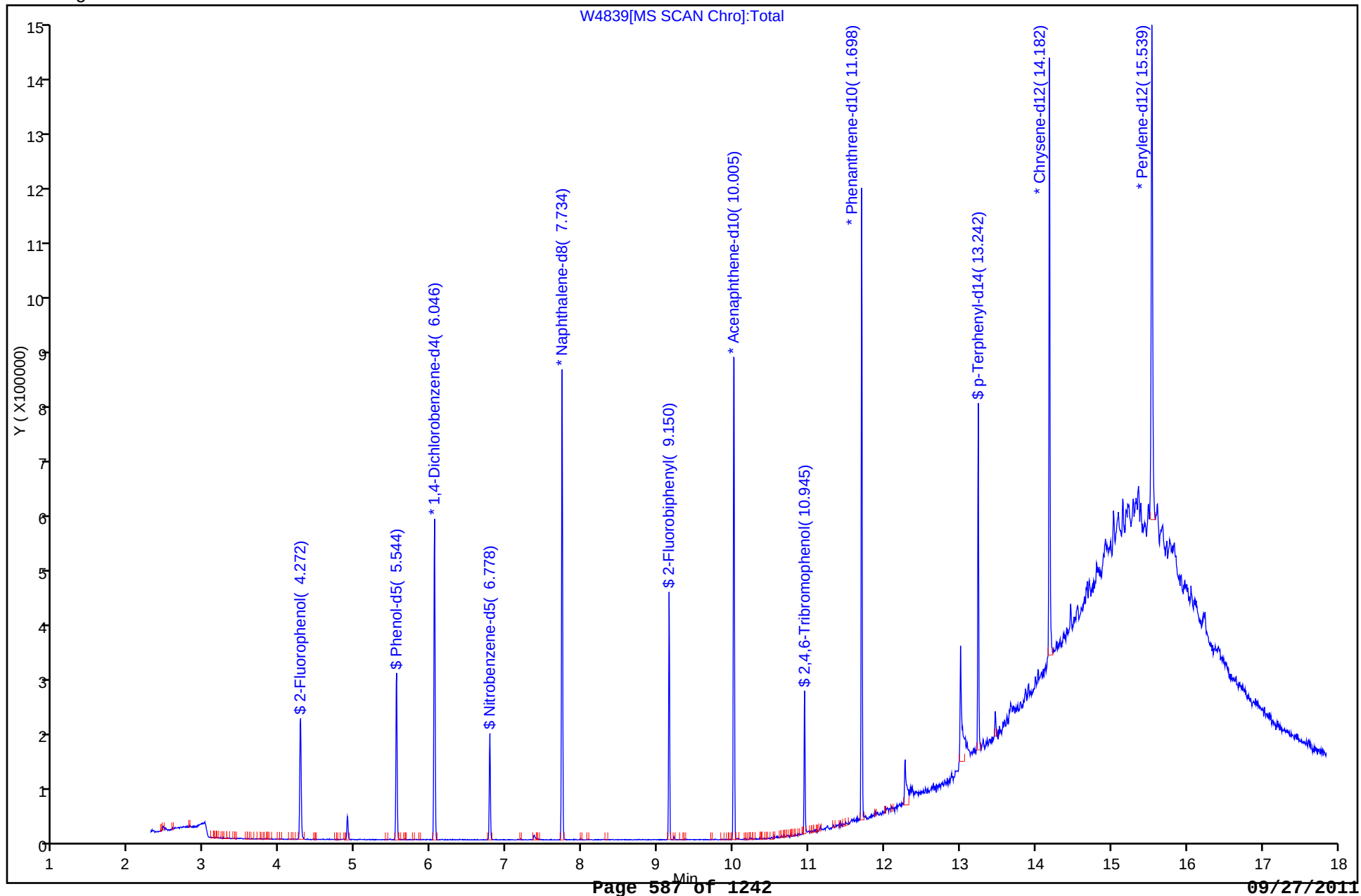
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

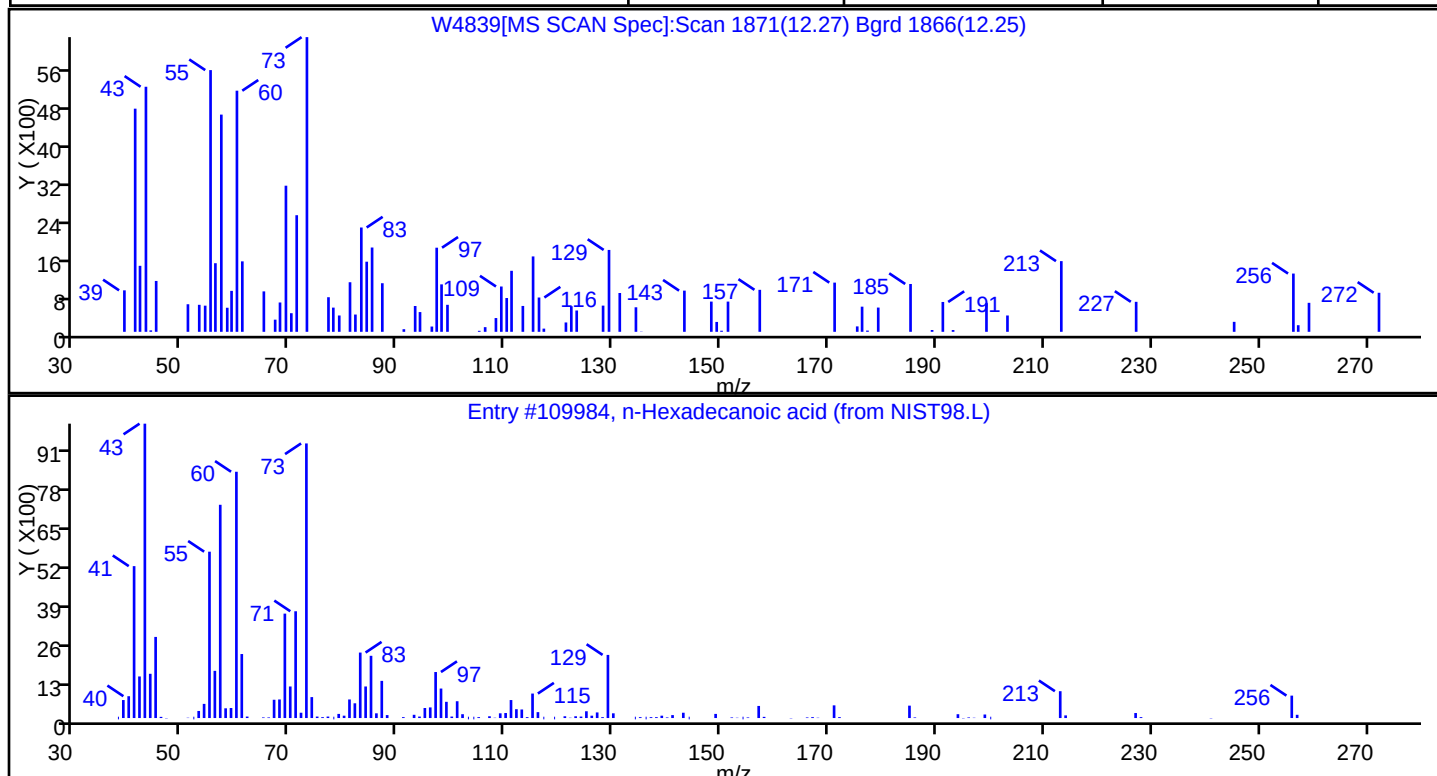
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Report Date: 09-Sep-2011 16:52:01
Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\\W4839.D
Injection Date: 08-Sep-2011 13:13:30
Client ID: SB-B4 (5-8)
Lims Batch ID: 30456
Operator ID: KLP
Column Type: RXI-5Sil MS

Chrom Revision: 2.0 11-Aug-2011 08:33:58
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973W
Lims Sample ID: 6
Injection Vol: 1.00 ul
Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
n-Hexadecanoic acid	57-10-3	NIST98.L	109984	93



Data File:

\\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4839.D

Injection Date: 08-Sep-2011 13:13:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B4 (5-8)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 6

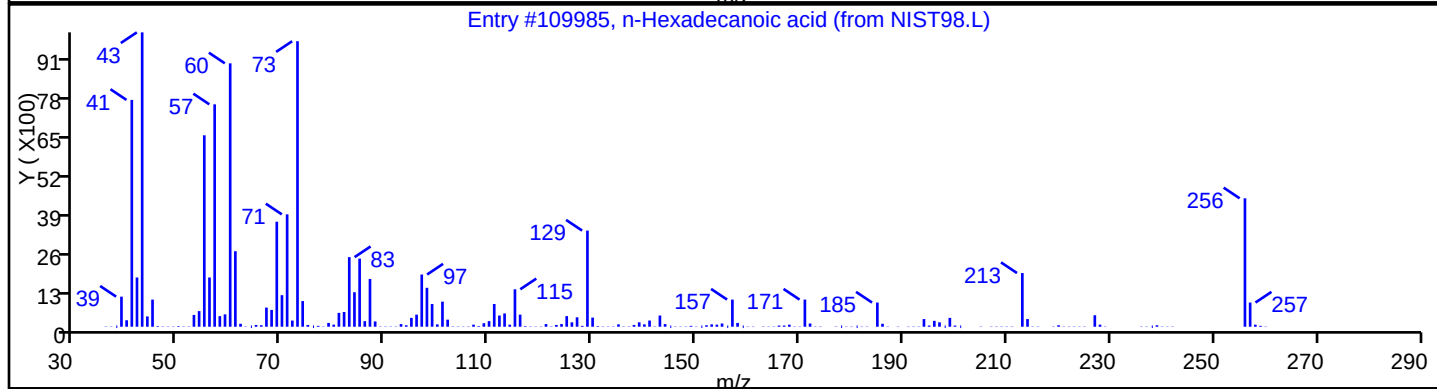
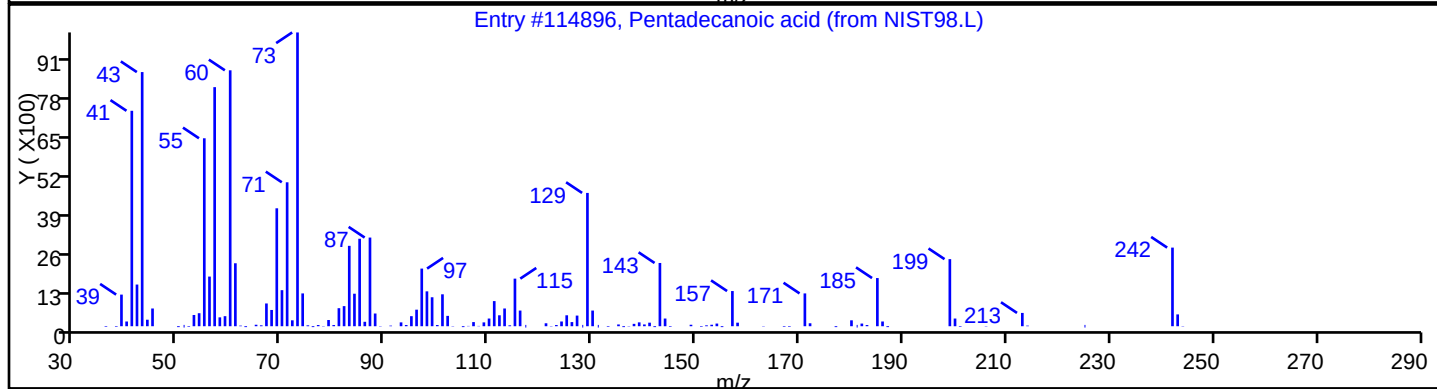
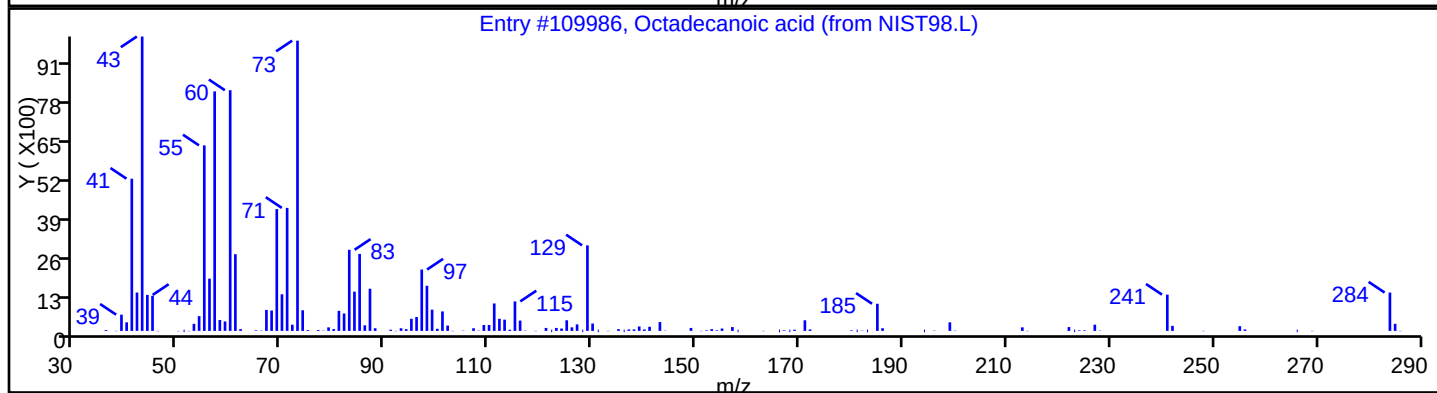
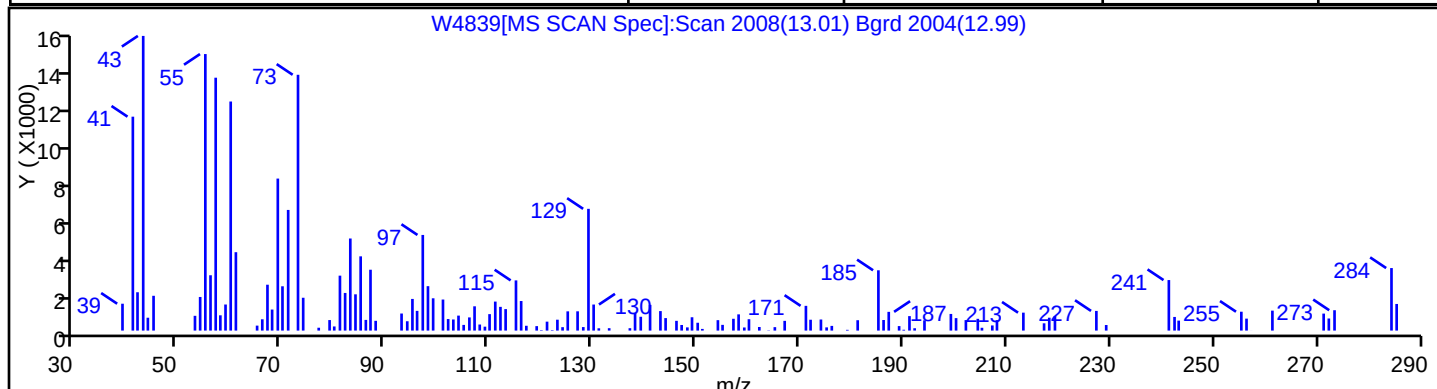
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecanoic acid	57-11-4	NIST98.L	109986	98
Pentadecanoic acid	1002-84-2	NIST98.L	114896	93
n-Hexadecanoic acid	57-10-3	NIST98.L	109985	90



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-B5 (5-9)</u>	Lab Sample ID: <u>480-9072-2</u>
Matrix: <u>Solid</u>	Lab File ID: <u>W4840.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>08/25/2011 09:45</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/01/2011 13:26</u>
Sample wt/vol: <u>+30.74(g)</u>	Date Analyzed: <u>09/08/2011 13:36</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>11.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>30456</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		190	12
108-60-1	bis (2-chloroisopropyl) ether	ND		190	19
95-95-4	2,4,5-Trichlorophenol	ND		190	41
88-06-2	2,4,6-Trichlorophenol	ND		190	12
120-83-2	2,4-Dichlorophenol	ND		190	9.8
105-67-9	2,4-Dimethylphenol	ND		190	50
51-28-5	2,4-Dinitrophenol	ND		360	65
121-14-2	2,4-Dinitrotoluene	ND		190	29
606-20-2	2,6-Dinitrotoluene	ND		190	46
91-58-7	2-Chloronaphthalene	ND		190	13
95-57-8	2-Chlorophenol	ND		190	9.5
91-57-6	2-Methylnaphthalene	ND		190	2.3
95-48-7	2-Methylphenol	ND		190	5.7
88-74-4	2-Nitroaniline	ND		360	60
88-75-5	2-Nitrophenol	ND		190	8.5
91-94-1	3,3'-Dichlorobenzidine	ND		190	160
99-09-2	3-Nitroaniline	ND		360	43
534-52-1	4,6-Dinitro-2-methylphenol	ND		360	64
101-55-3	4-Bromophenyl phenyl ether	ND		190	59
59-50-7	4-Chloro-3-methylphenol	ND		190	7.7
106-47-8	4-Chloroaniline	ND		190	55
7005-72-3	4-Chlorophenyl phenyl ether	ND		190	4.0
106-44-5	4-Methylphenol	ND		360	10
100-01-6	4-Nitroaniline	ND		360	21
100-02-7	4-Nitrophenol	ND		360	45
83-32-9	Acenaphthene	ND		190	2.2
208-96-8	Acenaphthylene	ND		190	1.5
98-86-2	Acetophenone	ND		190	9.6
120-12-7	Anthracene	ND		190	4.8
1912-24-9	Atrazine	ND		190	8.3
100-52-7	Benzaldehyde	ND		190	20
56-55-3	Benzo (a) anthracene	43	J	190	3.2
50-32-8	Benzo (a) pyrene	58	J	190	4.5
205-99-2	Benzo (b) fluoranthene	66	J	190	3.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-B5 (5-9)</u>	Lab Sample ID: <u>480-9072-2</u>
Matrix: <u>Solid</u>	Lab File ID: <u>W4840.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>08/25/2011 09:45</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/01/2011 13:26</u>
Sample wt/vol: <u>+30.74(g)</u>	Date Analyzed: <u>09/08/2011 13:36</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>11.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>30456</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	54	J	190	2.2
207-08-9	Benzo(k)fluoranthene	43	J	190	2.1
111-91-1	Bis(2-chloroethoxy)methane	ND		190	10
111-44-4	Bis(2-chloroethyl)ether	ND		190	16
117-81-7	Bis(2-ethylhexyl) phthalate	ND		190	60
85-68-7	Butyl benzyl phthalate	ND		190	50
105-60-2	Caprolactam	ND		190	81
86-74-8	Carbazole	ND		190	2.2
218-01-9	Chrysene	55	J	190	1.9
84-74-2	Di-n-butyl phthalate	ND		190	64
117-84-0	Di-n-octyl phthalate	ND		190	4.4
53-70-3	Dibenz(a,h)anthracene	120	J	190	2.2
132-64-9	Dibenzofuran	ND		190	1.9
84-66-2	Diethyl phthalate	17	J	190	5.6
131-11-3	Dimethyl phthalate	ND		190	4.9
206-44-0	Fluoranthene	54	J	190	2.7
86-73-7	Fluorene	ND		190	4.3
118-74-1	Hexachlorobenzene	ND		190	9.3
87-68-3	Hexachlorobutadiene	ND		190	9.5
77-47-4	Hexachlorocyclopentadiene	ND		190	56
67-72-1	Hexachloroethane	ND		190	14
193-39-5	Indeno(1,2,3-cd)pyrene	140	J	190	5.2
78-59-1	Isophorone	ND		190	9.3
621-64-7	N-Nitrosodi-n-propylamine	ND		190	15
86-30-6	N-Nitrosodiphenylamine	ND		190	10
91-20-3	Naphthalene	ND		190	3.1
98-95-3	Nitrobenzene	ND		190	8.3
87-86-5	Pentachlorophenol	ND		360	64
85-01-8	Phenanthrene	20	J	190	3.9
108-95-2	Phenol	ND		190	20
129-00-0	Pyrene	49	J	190	1.2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: SB-B5 (5-9) Lab Sample ID: 480-9072-2
Matrix: Solid Lab File ID: W4840.D
Analysis Method: 8270C Date Collected: 08/25/2011 09:45
Extract. Method: 3550B Date Extracted: 09/01/2011 13:26
Sample wt/vol: +30.74(g) Date Analyzed: 09/08/2011 13:36
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 11.6 GPC Cleanup: (Y/N) N
Analysis Batch No.: 30456 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	95		39-146
321-60-8	2-Fluorobiphenyl	79		37-120
367-12-4	2-Fluorophenol	64		18-120
4165-60-0	Nitrobenzene-d5	75		34-132
1718-51-0	p-Terphenyl-d14	97		58-147
4165-62-2	Phenol-d5	72		11-120

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: SB-B5 (5-9) Lab Sample ID: 480-9072-2
Matrix: Solid Lab File ID: W4840.D
Analysis Method: 8270C Date Collected: 08/25/2011 09:45
Extract. Method: 3550B Date Extracted: 09/01/2011 13:26
Sample wt/vol: +30.74(g) Date Analyzed: 09/08/2011 13:36
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 11.6 GPC Cleanup: (Y/N) N
Analysis Batch No.: 30456 Units: ug/Kg
Number TICs Found: 3 TIC Result Total: 1150

CAS NO.	COMPOUND NAME	RT	RESULT	Q
79-0-5	Ethane, 1,1,2-trichloro-	3.03	320	T J N
79-34-5	Ethane, 1,1,2,2-tetrachloro-	4.89	550	T J N
	Unknown	13.68	280	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4840.D
 Lims ID: 480-9072-E-2-A Client ID: SB-B5 (5-9)
 Inject. Date: 08-Sep-2011 13:36:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0005823-007
 Misc. Info.: 480-9072-E-2-A =480-9072-E-2-A
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 30456 Lims Sample ID: 7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W-8270.m
 Last Update: 09-Sep-2011 10:28:24 Calib Date: 07-Sep-2011 19:22:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4799.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: pfenderk

Date: 09-Sep-2011 17:01:10

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.046	6.046	0.0	98	104264	40.0	
* 2 Naphthalene-d8	136	7.734	7.734	0.0	100	424368	40.0	
* 3 Acenaphthene-d10	164	10.010	10.010	0.0	98	234667	40.0	
* 4 Phenanthrene-d10	188	11.698	11.704	-0.006	99	416285	40.0	
* 5 Chrysene-d12	240	14.182	14.188	-0.006	80	426203	40.0	
* 6 Perylene-d12	264	15.539	15.545	-0.006	86	445275	40.0	
\$ 7 2-Fluorophenol	112	4.272	4.278	-0.006	93	375041	96.7	
\$ 8 Phenol-d5	99	5.549	5.554	-0.005	87	522260	108.5	
\$ 9 Nitrobenzene-d5	82	6.778	6.783	-0.005	94	296247	74.7	
\$ 10 2-Fluorobiphenyl	172	9.150	9.160	-0.010	100	563046	78.8	
\$ 11 2,4,6-Tribromophenol	330	10.945	10.950	-0.005	88	140999	142.8	
\$ 12 p-Terphenyl-d14	244	13.242	13.247	-0.005	97	868919	97.3	
71 Benzaldehyde	77		5.442					
72 Phenol	94		5.570					
74 Bis(2-chloroethyl)ether	93		5.688					
75 2-Chlorophenol	128		5.768					
82 2-Methylphenol	108		6.393					
83 2,2'-oxybis[1-chloropropane]	45		6.430					
86 Acetophenone	105		6.580					
88 4-Methylphenol	108		6.601					
87 N-Nitrosodi-n-propylamine	70		6.601					
89 Hexachloroethane	117		6.735					
85 Nitrobenzene	77		6.810					
94 Isophorone	82		7.130					
97 2-Nitrophenol	139		7.237					
99 2,4-Dimethylphenol	107		7.312					
103 Bis(2-chloroethoxy)methane	93		7.429					
106 2,4-Dichlorophenol	162		7.558					
107 Naphthalene	128		7.766					
108 4-Chloroaniline	127		7.841					
110 Hexachlorobutadiene	225		7.958					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
114 Caprolactam	113		8.242					
117 4-Chloro-3-methylphenol	107		8.487					
121 2-Methylnaphthalene	142		8.674					
125 Hexachlorocyclopentadiene	237		8.904					
127 2,4,6-Trichlorophenol	196		9.048					
129 2,4,5-Trichlorophenol	196		9.086					
130 1,1'-Biphenyl	154		9.278					
131 2-Chloronaphthalene	162		9.299					
132 2-Nitroaniline	65		9.433					
134 Dimethyl phthalate	163		9.684					
135 2,6-Dinitrotoluene	165		9.748					
137 Acenaphthylene	152		9.833					
140 3-Nitroaniline	138		9.956					
141 Acenaphthene	153		10.053					
142 2,4-Dinitrophenol	184		10.090					
143 4-Nitrophenol	109		10.175					
144 2,4-Dinitrotoluene	165		10.256					
145 Dibenzofuran	168		10.266					
149 Diethyl phthalate	149	10.550	10.550	-0.010	14	3296	0.4700	
151 Fluorene	166		10.678					
152 4-Chlorophenyl phenyl ether	204		10.678					
153 4-Nitroaniline	138		10.699					
154 4,6-Dinitro-2-methylphenol	198		10.736					
157 N-Nitrosodiphenylamine	169		10.816					
164 4-Bromophenyl phenyl ether	248		11.228					
168 Hexachlorobenzene	284		11.308					
170 Atrazine	200		11.410					
172 Pentachlorophenol	266		11.516					
177 Phenanthrene	178	11.725	11.725	-0.005	1	6454	0.5562	
180 Anthracene	178		11.783					
181 Carbazole	167		11.949					
184 Di-n-butyl phthalate	149	12.296	12.296	-0.006	10	4122	0.3449	
191 Fluoranthene	202	12.895	12.905	-0.010	71	18291	1.48	
193 Pyrene	202	13.108	13.114	-0.006	86	18239	1.33	
200 Butyl benzyl phthalate	149		13.675					
204 3,3'-Dichlorobenzidine	252		14.150					
206 Bis(2-ethylhexyl) phthalate	149	14.161	14.171	-0.010	82	8748	1.09	
205 Benzo[a]anthracene	228	14.177	14.177	-0.005	40	14054	1.17	
207 Chrysene	228	14.204	14.204	-0.010	33	18954	1.49	
208 Di-n-octyl phthalate	149		14.722					
209 Benzo[b]fluoranthene	252	15.155	15.155	-0.010	75	20208	1.80	M
211 Benzo[k]fluoranthene	252	15.165	15.165	-0.027	76	16731	1.17	M
213 Benzo[a]pyrene	252	15.480	15.496	-0.016	73	15899	1.58	
215 Indeno[1,2,3-cd]pyrene	276	16.741	16.768	-0.027	64	12929	3.85	
216 Dibenz(a,h)anthracene	278	16.757	16.757	-0.016	1	4379	3.39	M
217 Benzo[g,h,i]perylene	276	17.094	17.120	-0.026	66	14767	1.46	

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4840.D
 Lims ID: 480-9072-E-2-A Client ID: SB-B5 (5-9)
 Inject. Date: 08-Sep-2011 13:36:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0005823-007
 Misc. Info.: 480-9072-E-2-A =480-9072-E-2-A
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 30456 Lims Sample ID: 7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W-8270.m
 Last Update: 09-Sep-2011 10:28:24 Calib Date: 07-Sep-2011 19:22:30
 Tic RT Window: 1.500 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\Bufchrom\ChromData\Database\NIST98.L
 Min. Match: 85
 Process Host: CORP-CTX-16

First Level Reviewer: pfenderk

Date: 09-Sep-2011 17:01:10

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
79-0-5	Ethane, 1,1,2-trichloro-					
3.028	152679	8.71	1	94	116511	
79-34-5	Ethane, 1,1,2,2-tetrachloro-					
4.892	260363	14.9	1	97	33246	
	Unknown					
13.675	234681	7.60	5			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.046	701196	40.0
* 5 Chrysene-d12	14.182	1234656	40.0

QC Flag Legend

Processing Flags

Report Date: 09-Sep-2011 17:01:11

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4840.D

Injection Date: 08-Sep-2011 13:36:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B5 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 7

Operator ID: KLP

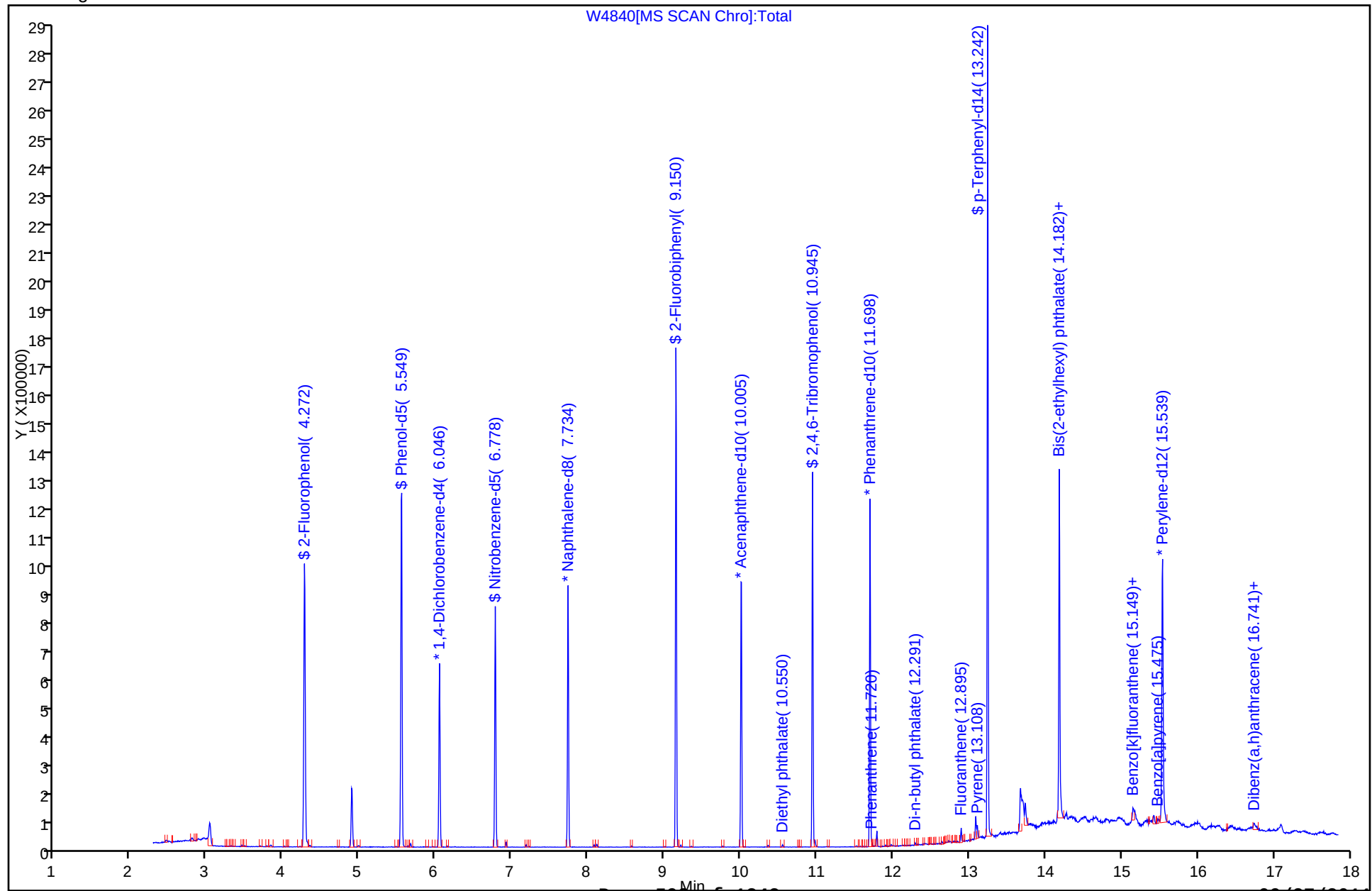
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

W4840[MS SCAN Chro]:Total



Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4840.D

Injection Date: 08-Sep-2011 13:36:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B5 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 7

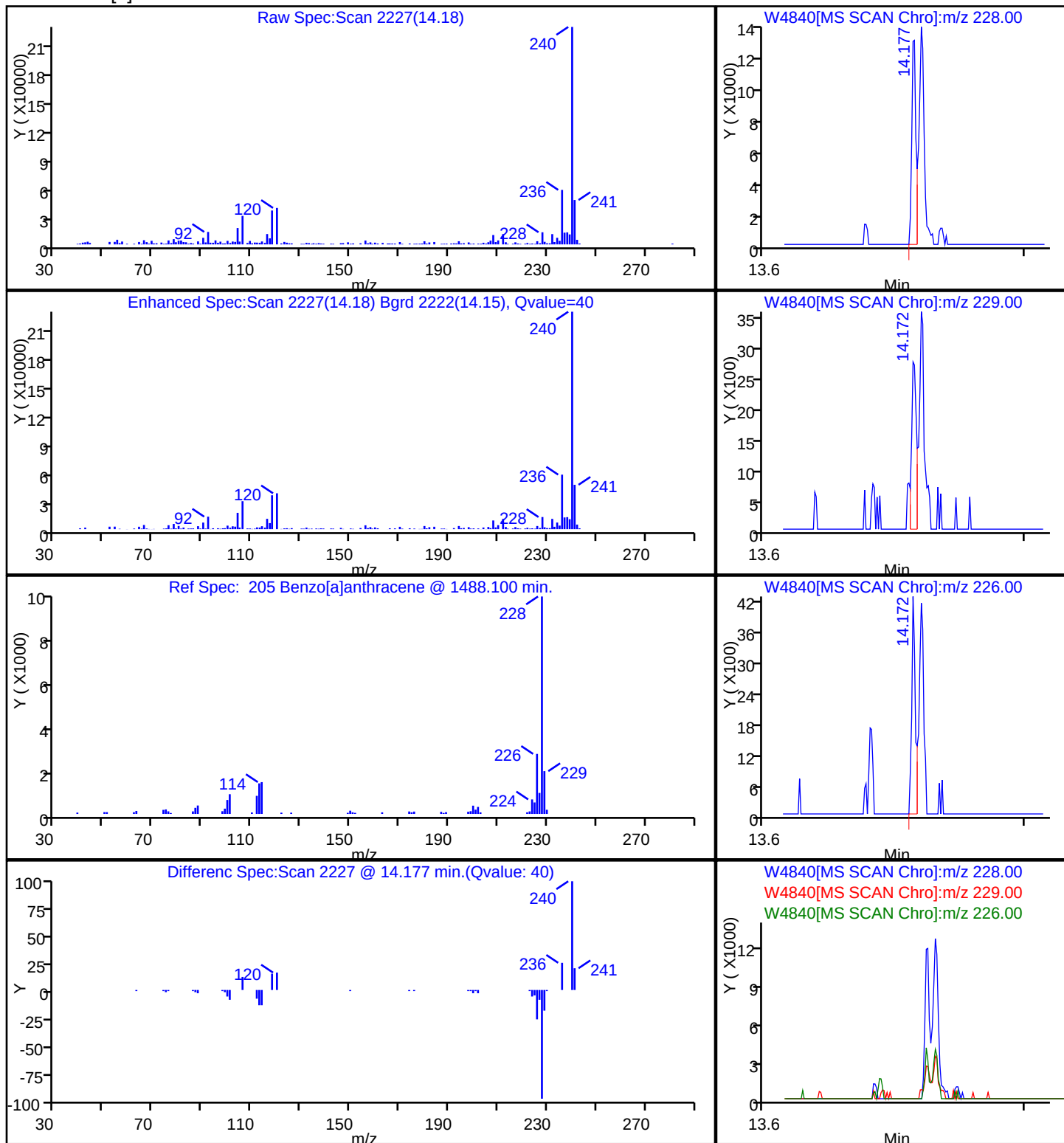
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

205 Benzo[a]anthracene



Report Date: 09-Sep-2011 17:01:11

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4840.D

Injection Date: 08-Sep-2011 13:36:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B5 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 7

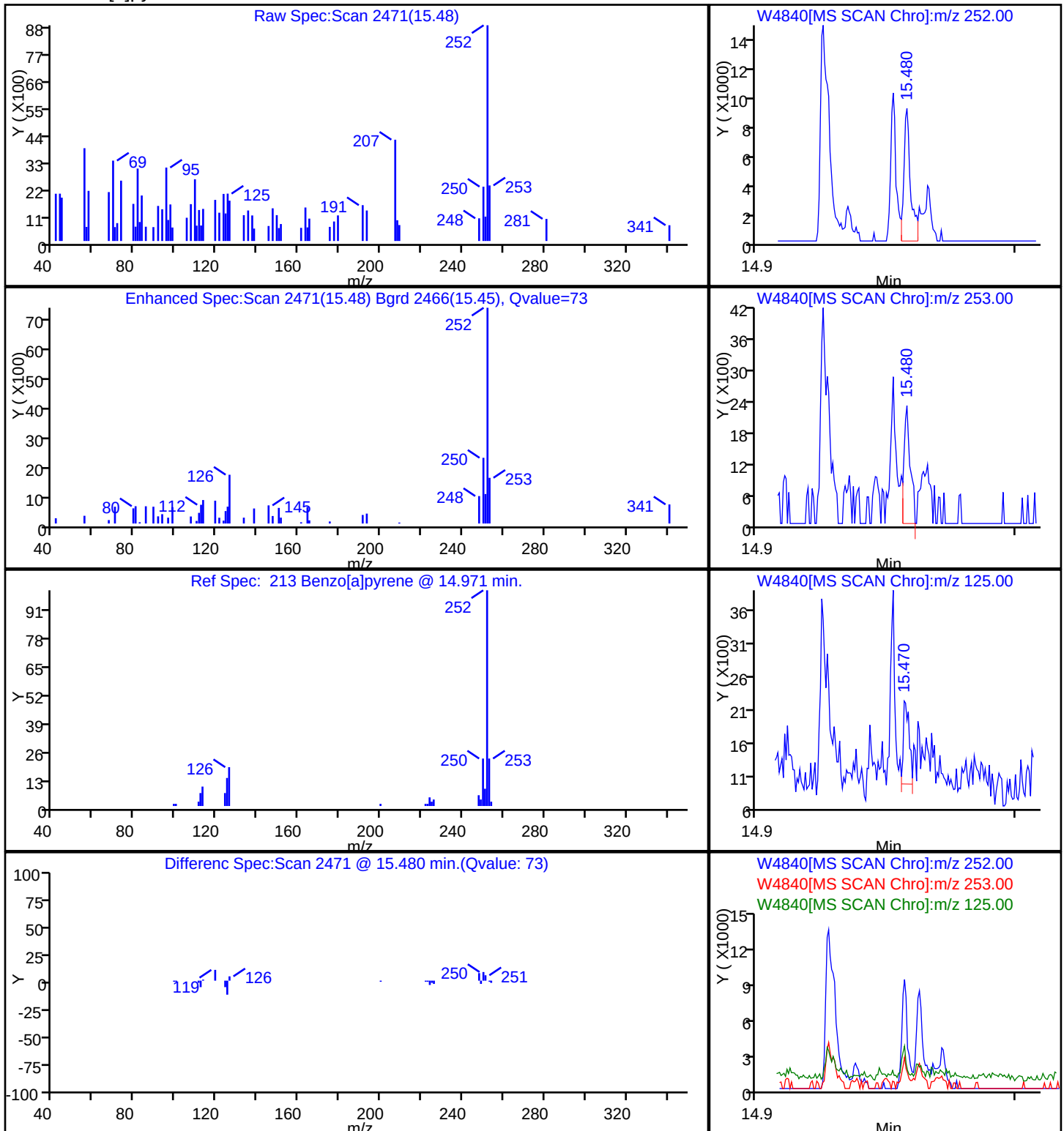
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

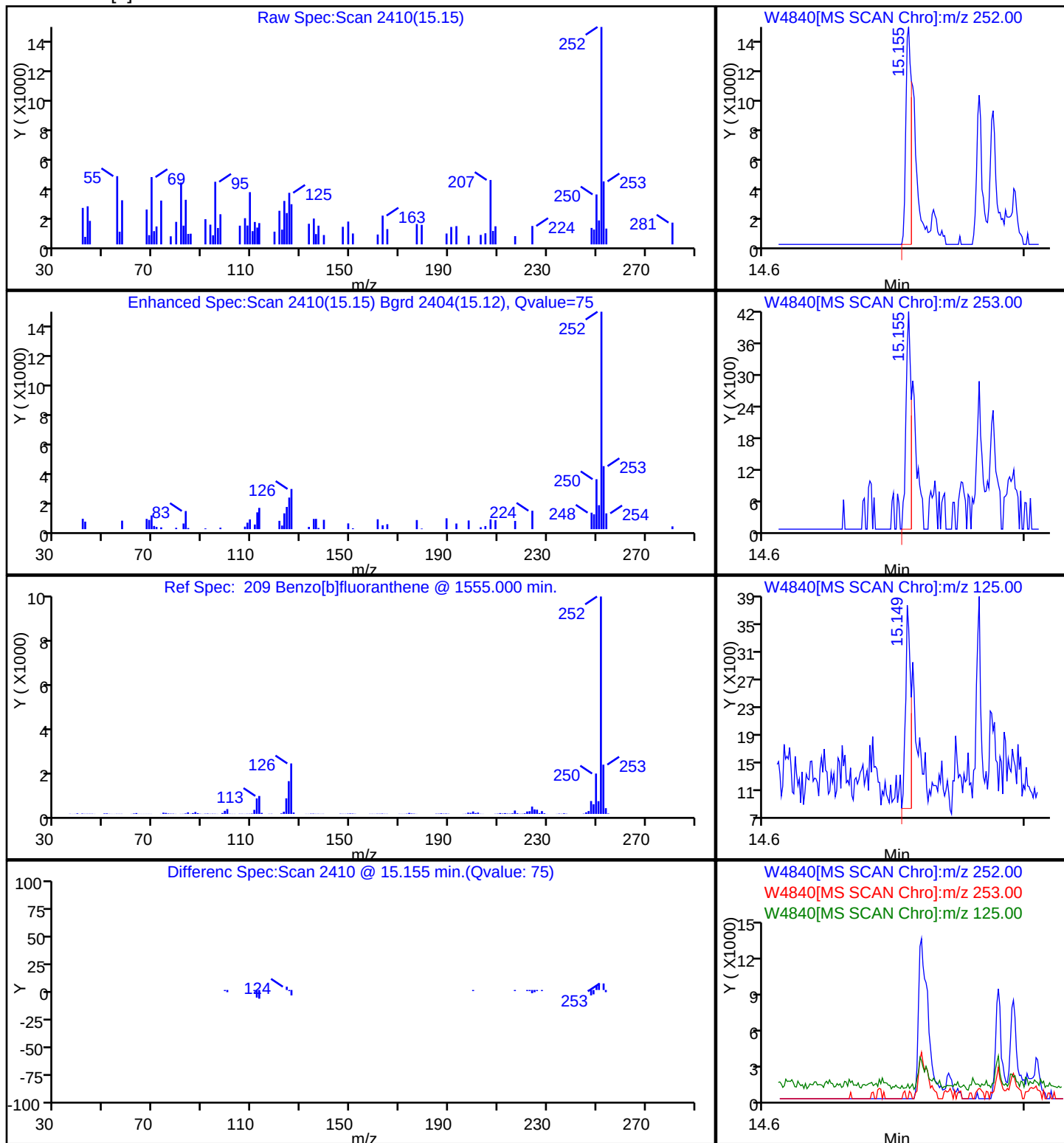
Column Dia: 0.25 mm

213 Benzo[a]pyrene



Report Date: 09-Sep-2011 17:01:11
Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4840.D
Injection Date: 08-Sep-2011 13:36:30
Client ID: SB-B5 (5-9)
Lims Batch ID: 30456
Operator ID: KLP
Column Type: RXI-5Sil MS
209 Benzo[b]fluoranthene

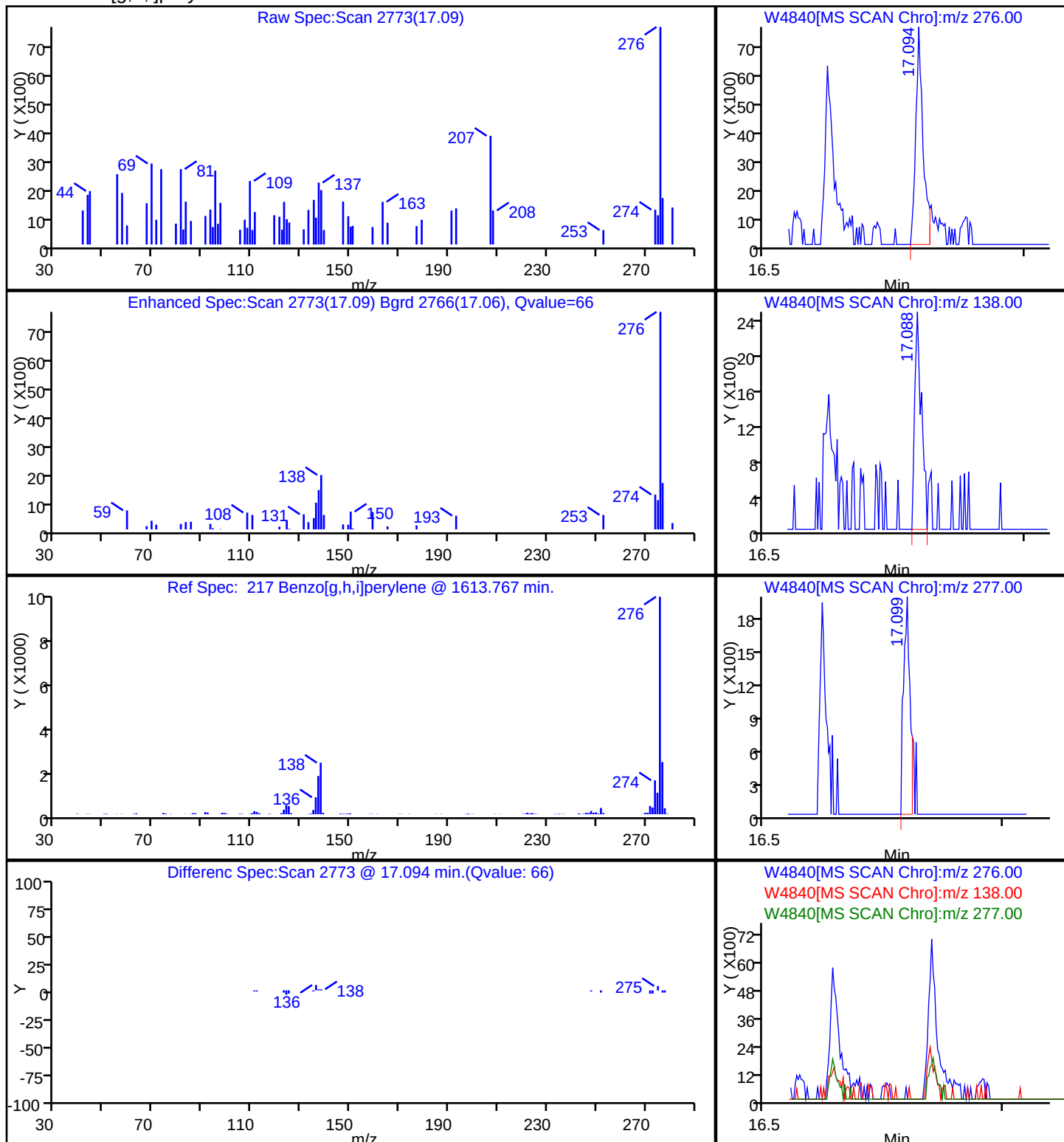
Chrom Revision: 2.0 11-Aug-2011 08:33:58
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973W
Lims Sample ID: 7
Injection Vol: 1.00 ul
Column Dia: 0.25 mm



Report Date: 09-Sep-2011 17:01:11
 Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4840.D
 Injection Date: 08-Sep-2011 13:36:30
 Client ID: SB-B5 (5-9)
 Lims Batch ID: 30456
 Operator ID: KLP
 Column Type: RXI-5Sil MS

Chrom Revision: 2.0 11-Aug-2011 08:33:58
 Limit Group: MB - 8270C ICAL
 Instrument ID: HP5973W
 Lims Sample ID: 7
 Injection Vol: 1.00 ul
 Column Dia: 0.25 mm

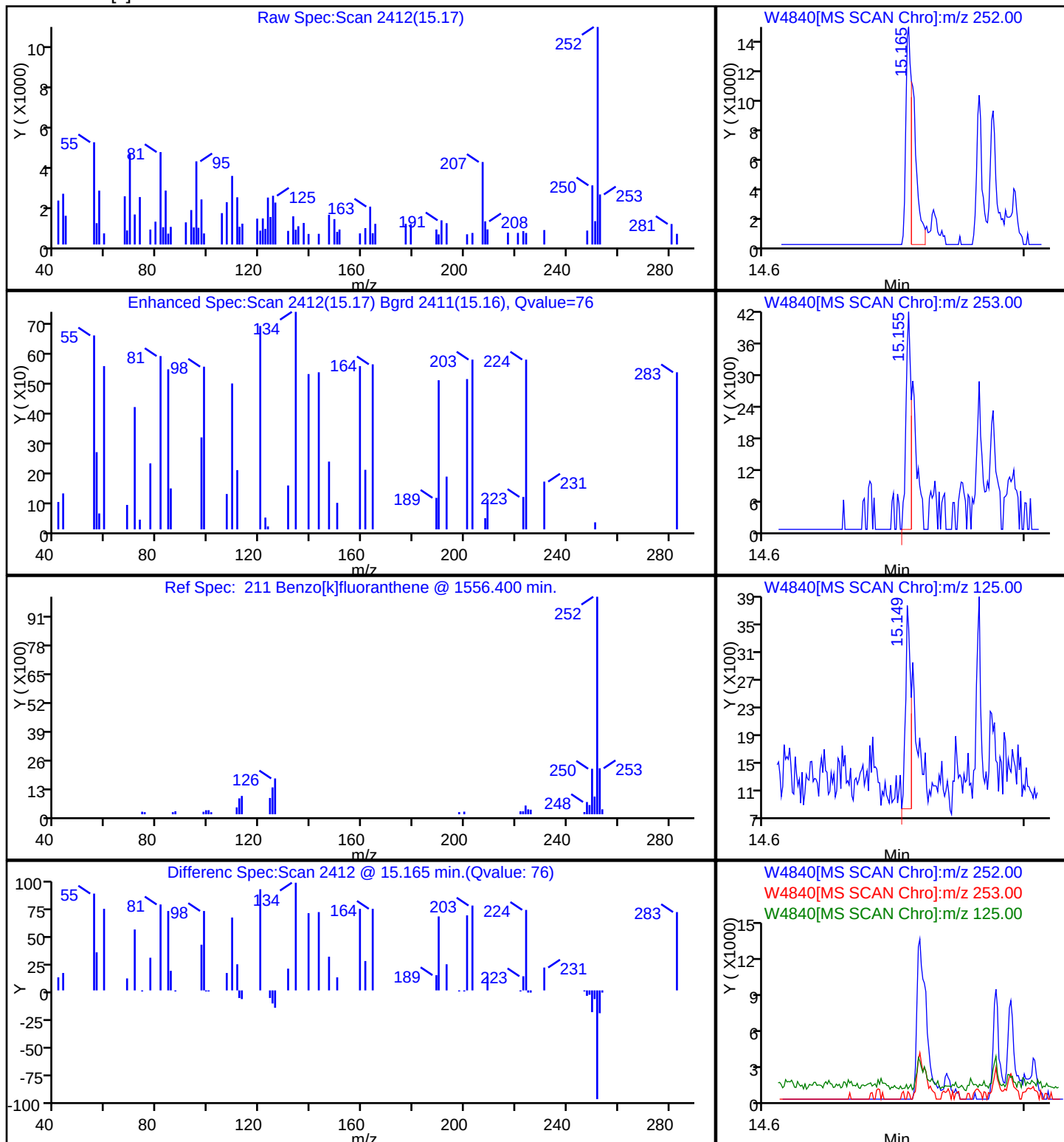
217 Benzo[g,h,i]perylene



Report Date: 09-Sep-2011 17:01:11
Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4840.D
Injection Date: 08-Sep-2011 13:36:30
Client ID: SB-B5 (5-9)
Lims Batch ID: 30456
Operator ID: KLP
Column Type: RXI-5Sil MS

Chrom Revision: 2.0 11-Aug-2011 08:33:58
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973W
Lims Sample ID: 7
Injection Vol: 1.00 ul
Column Dia: 0.25 mm

211 Benzo[k]fluoranthene



Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4840.D

Injection Date: 08-Sep-2011 13:36:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B5 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 7

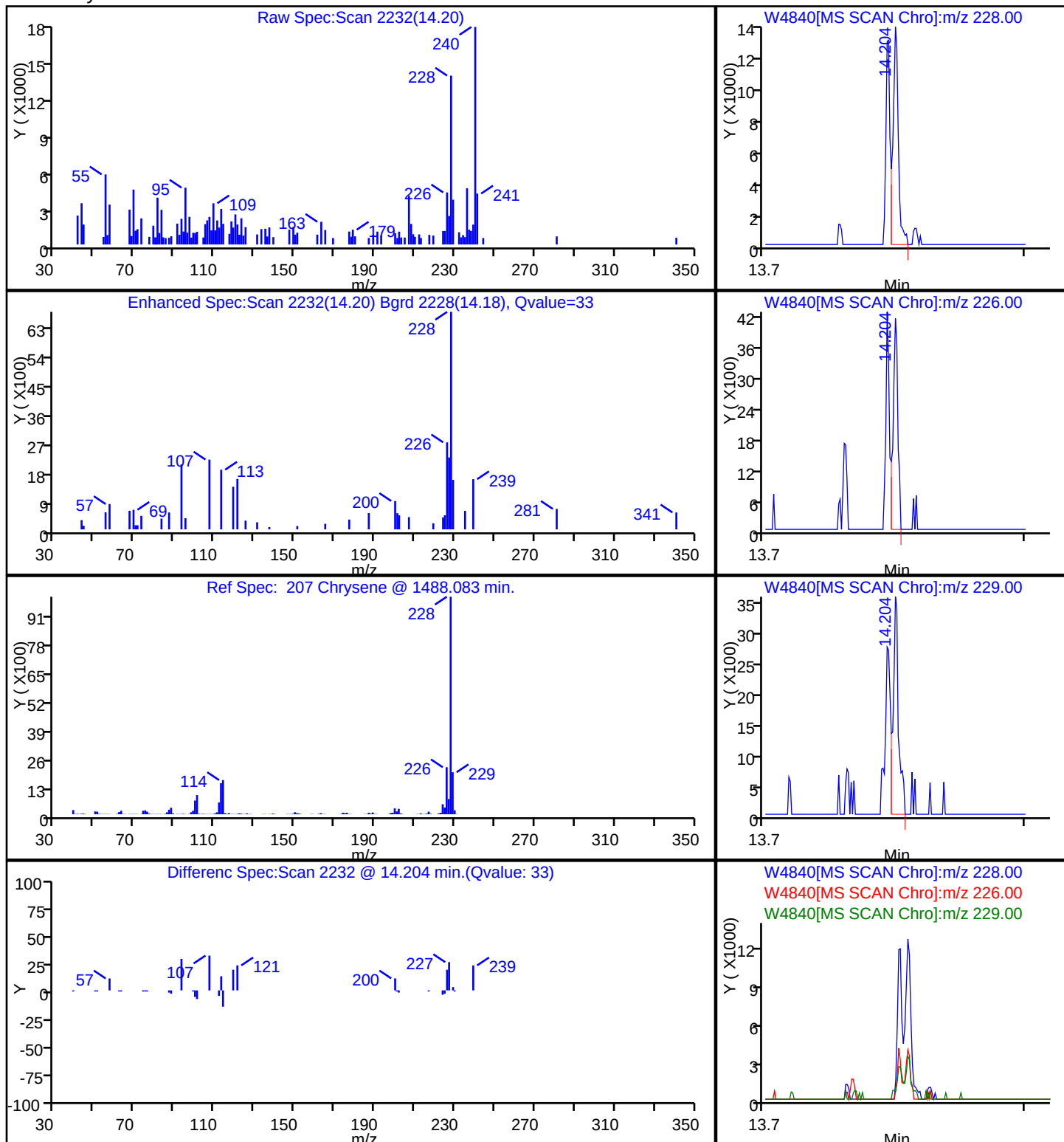
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

207 Chrysene



Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4840.D

Injection Date: 08-Sep-2011 13:36:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B5 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 7

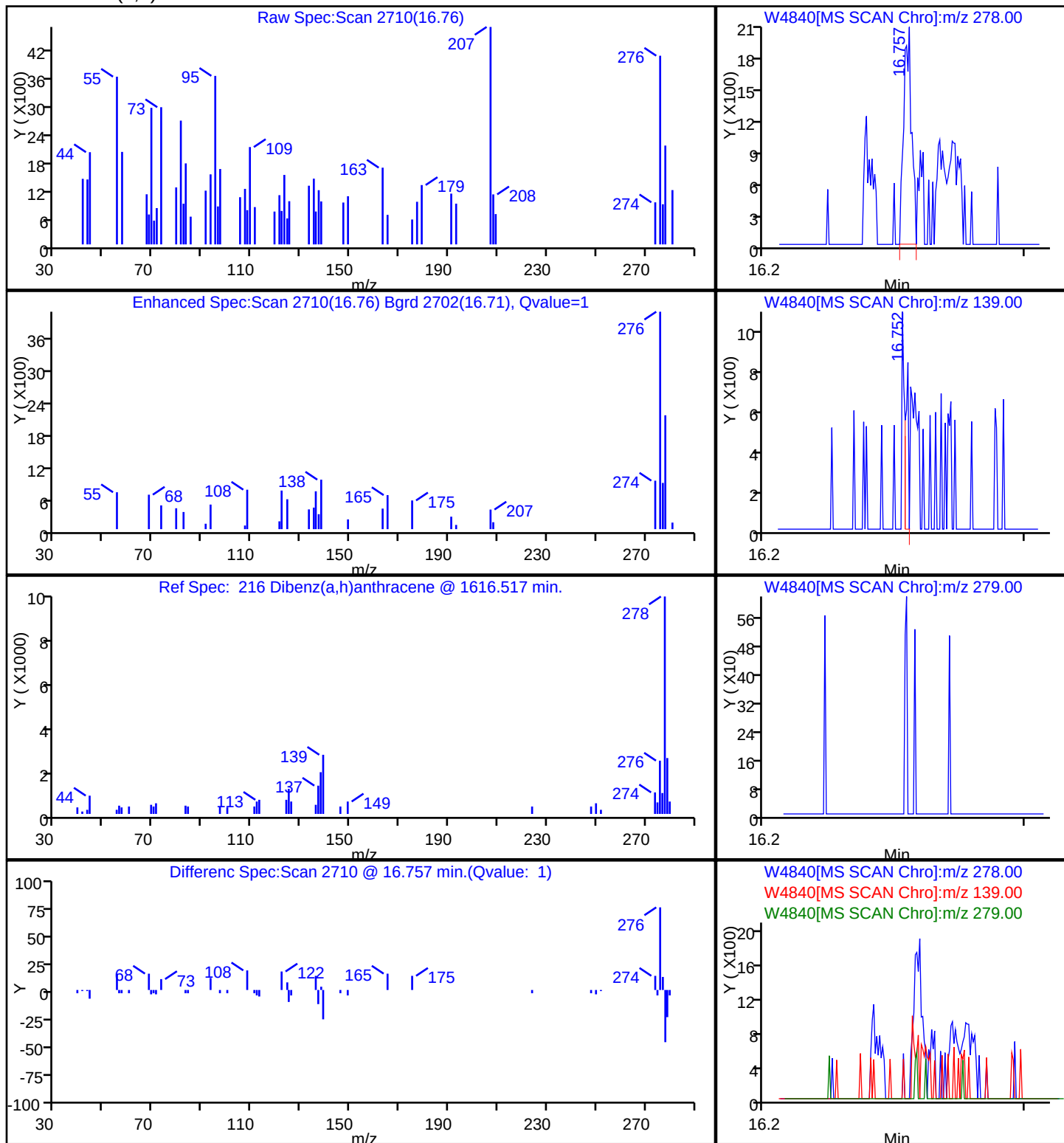
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

216 Dibenz(a,h)anthracene



Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4840.D

Injection Date: 08-Sep-2011 13:36:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B5 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 7

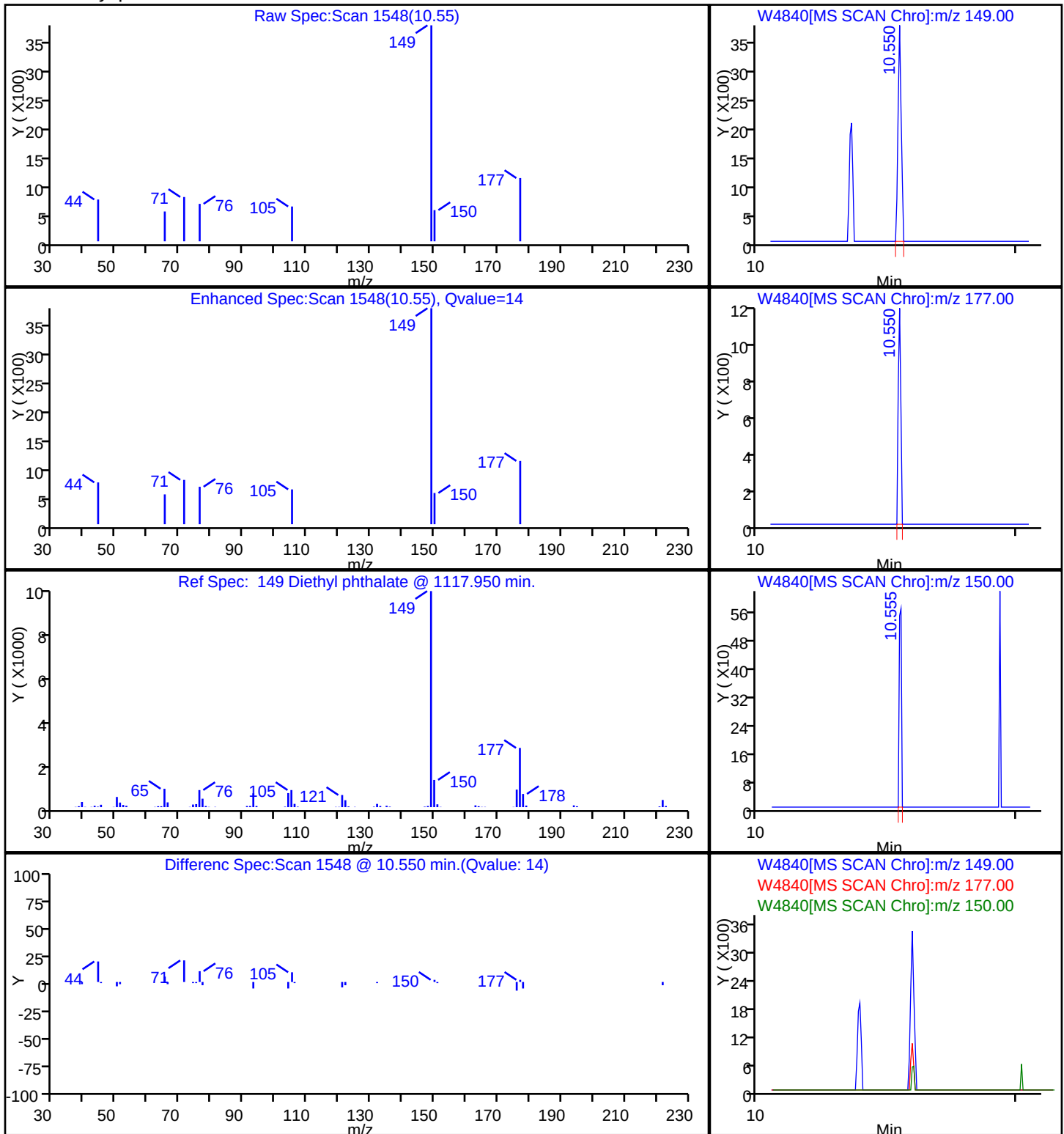
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

149 Diethyl phthalate



Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4840.D

Injection Date: 08-Sep-2011 13:36:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B5 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 7

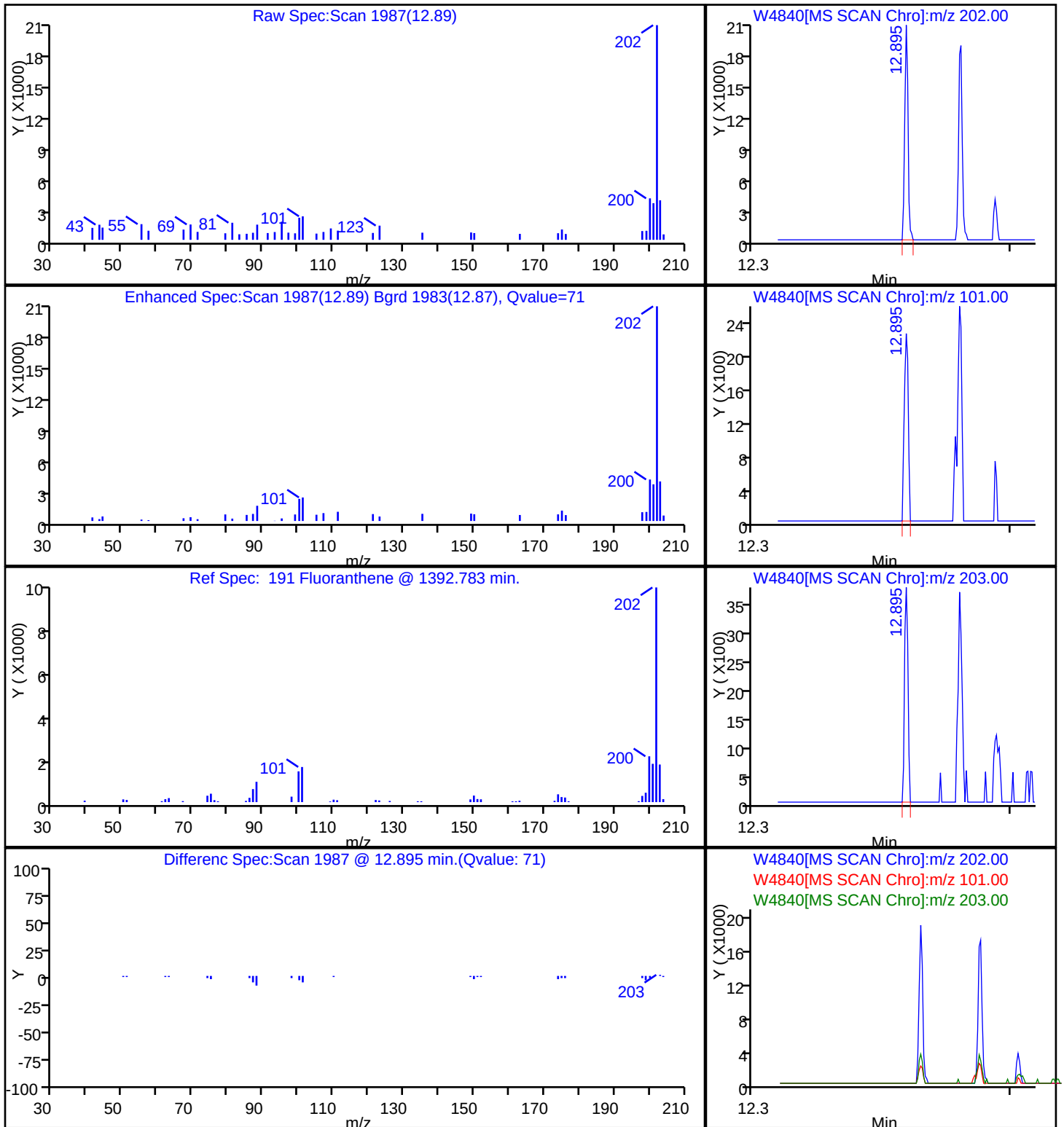
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

191 Fluoranthene



Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4840.D

Injection Date: 08-Sep-2011 13:36:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B5 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 7

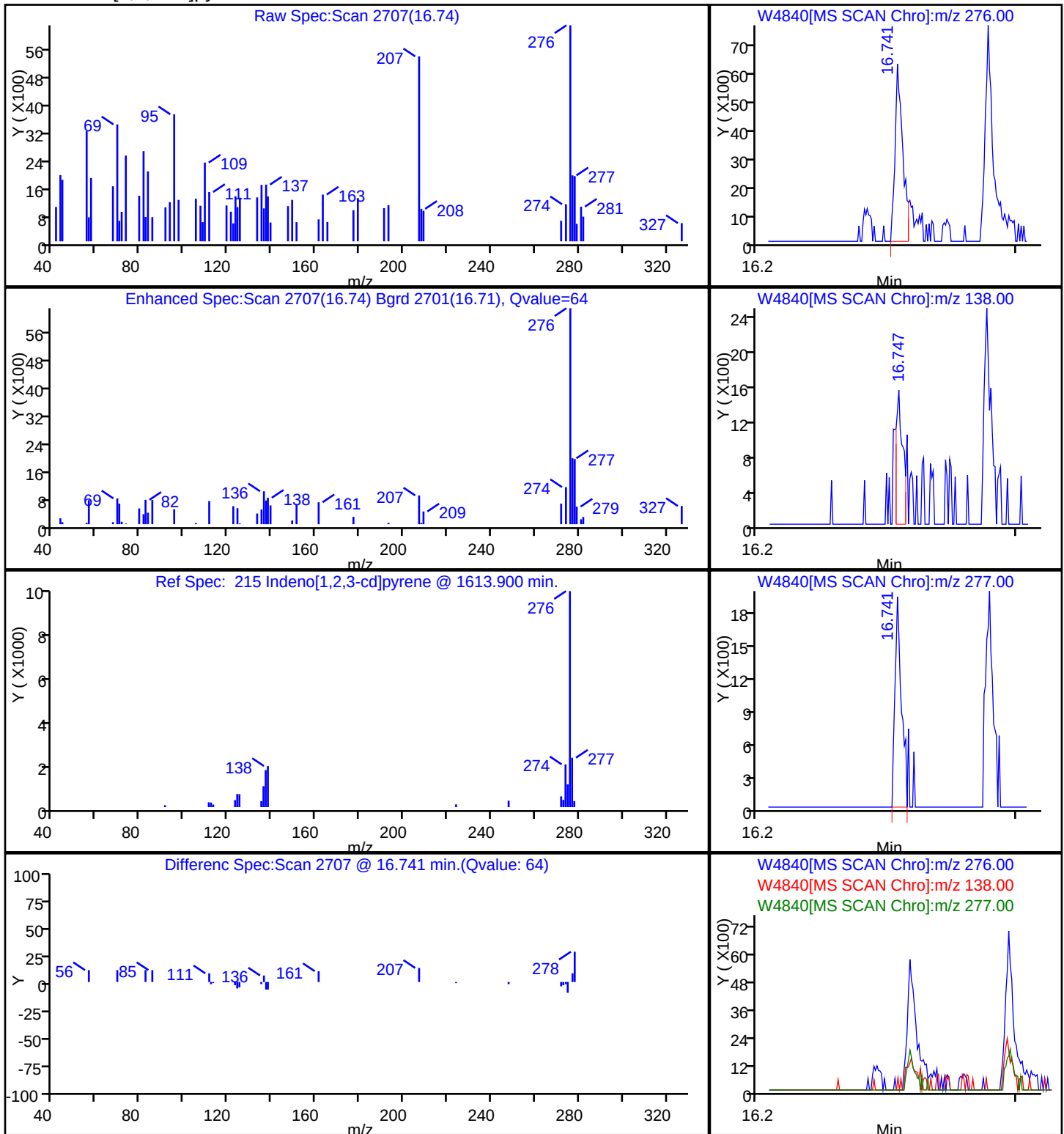
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

215 Indeno[1,2,3-cd]pyrene



Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4840.D

Injection Date: 08-Sep-2011 13:36:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B5 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 7

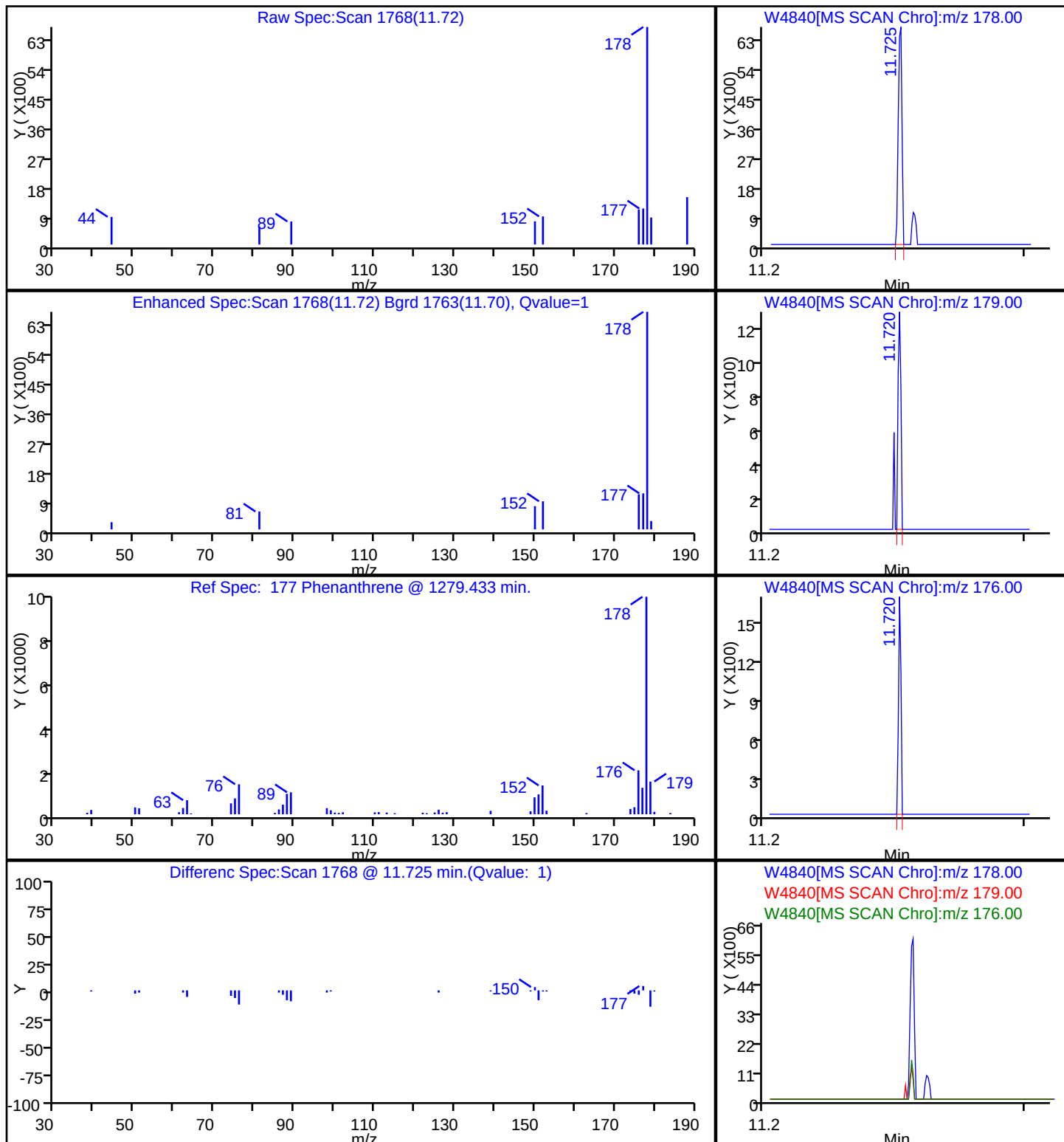
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

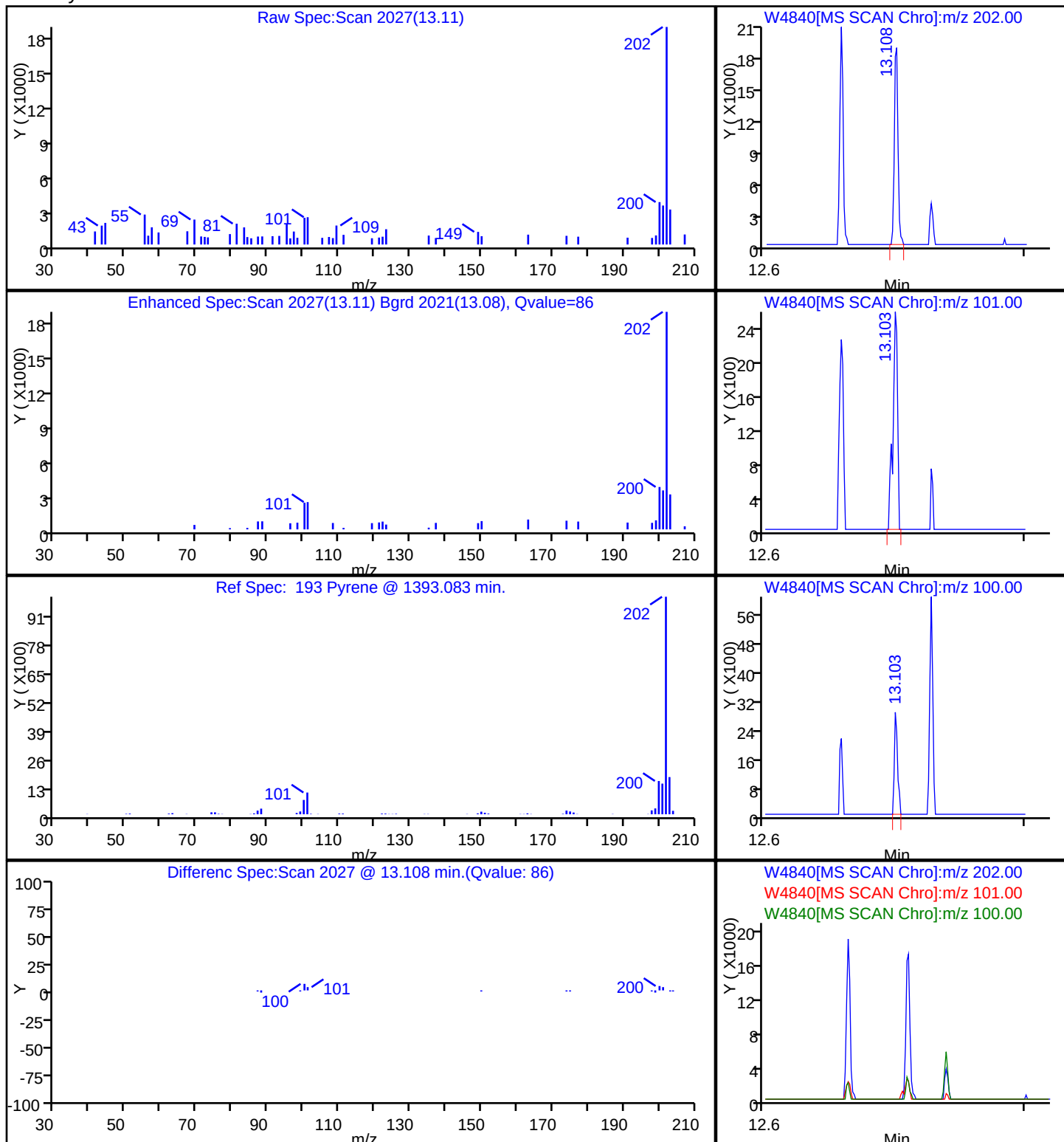
Column Dia: 0.25 mm

177 Phenanthrene



Report Date: 09-Sep-2011 17:01:11
Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4840.D
Injection Date: 08-Sep-2011 13:36:30
Client ID: SB-B5 (5-9)
Lims Batch ID: 30456
Operator ID: KLP
Column Type: RXI-5Sil MS
193 Pyrene

Chrom Revision: 2.0 11-Aug-2011 08:33:58
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973W
Lims Sample ID: 7
Injection Vol: 1.00 ul
Column Dia: 0.25 mm

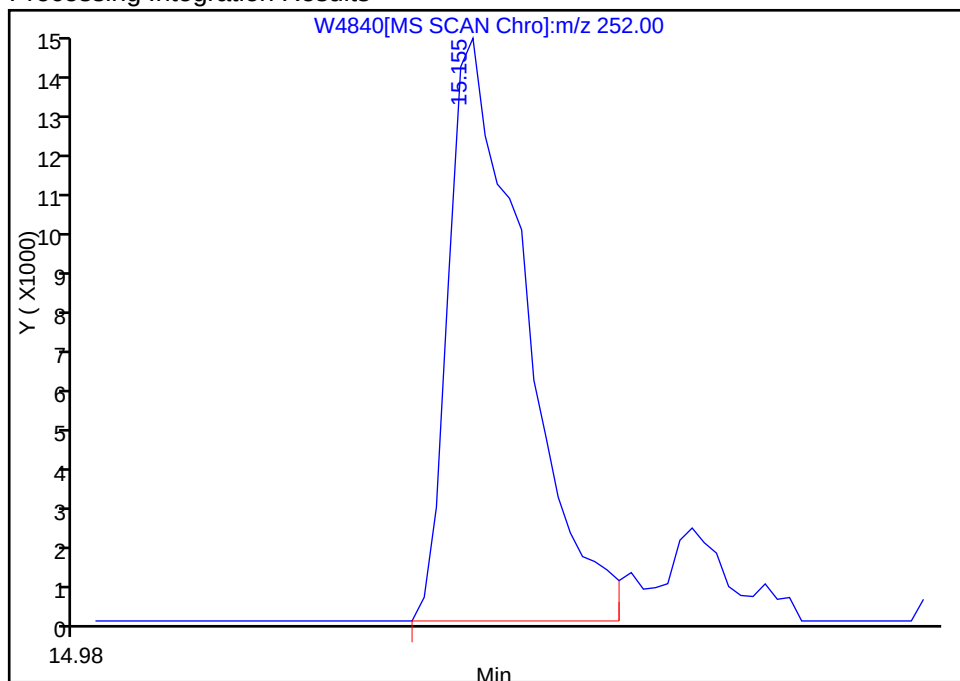


Data File:	\\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4840.D		
Injection Date:	08-Sep-2011 13:36:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-B5 (5-9)	Instrument ID:	HP5973W
Lims Batch ID:	30456	Lims Sample ID:	7
Operator ID:	KLP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

209 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.17

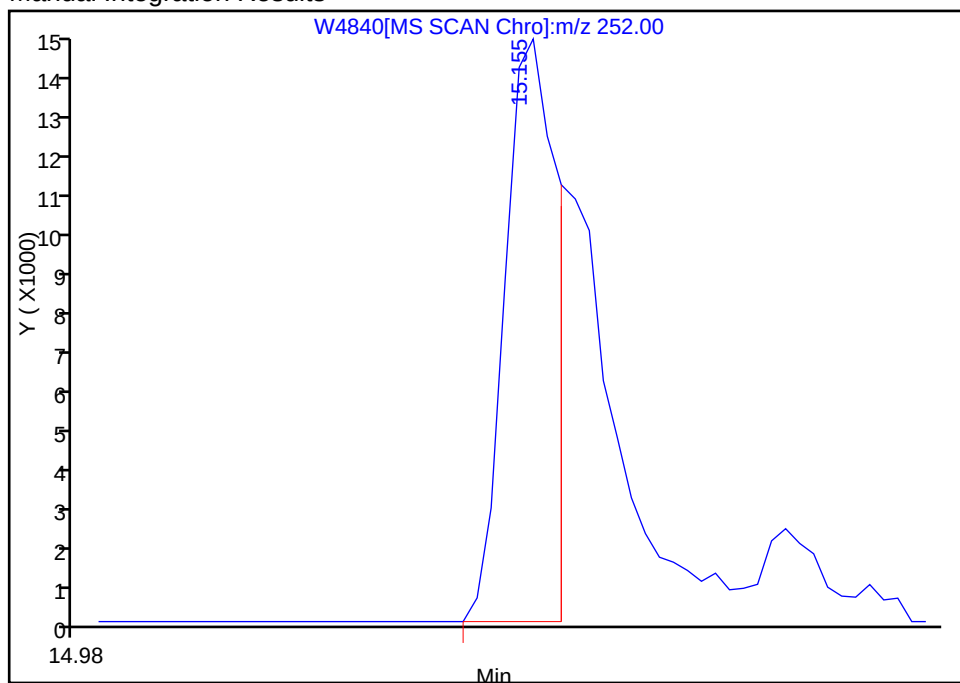
RT: 15.15
Response: 33461
Amount: 2.986283

Processing Integration Results



RT: 15.15
Response: 20208
Amount: 1.803497

Manual Integration Results



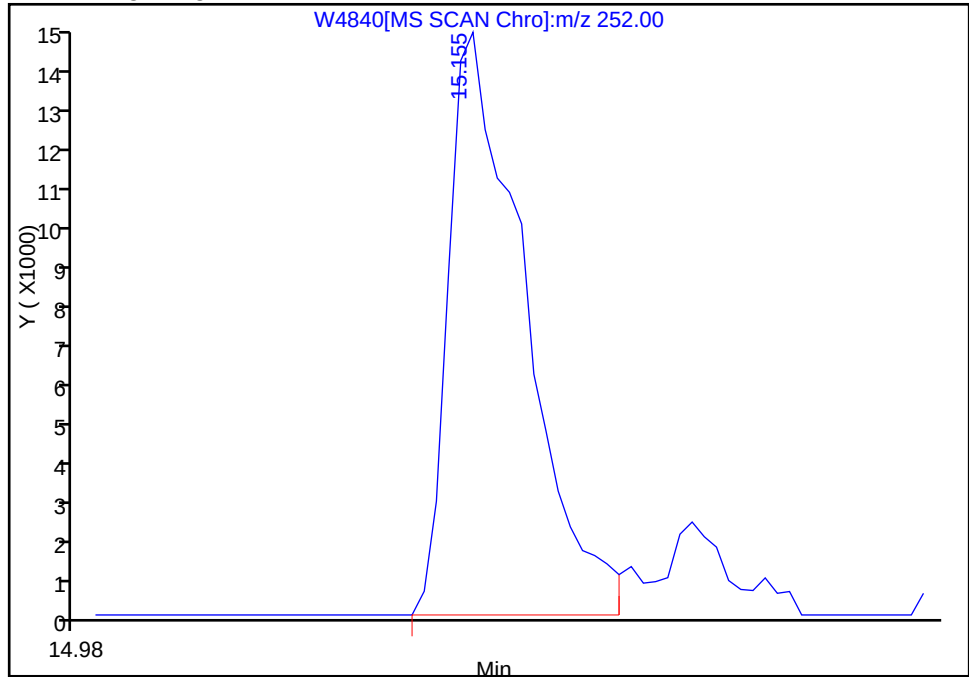
Reviewer: pfenderk, 09-Sep-2011 17:01:10
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

Data File:	\\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4840.D		
Injection Date:	08-Sep-2011 13:36:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-B5 (5-9)	Instrument ID:	HP5973W
Lims Batch ID:	30456	Lims Sample ID:	7
Operator ID:	KLP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

211 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.19

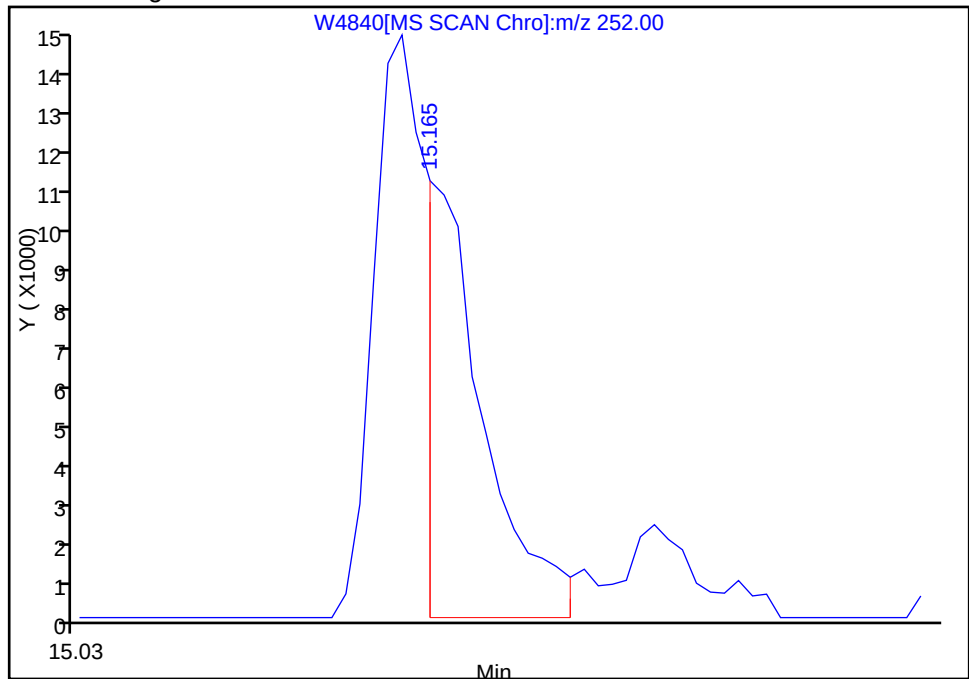
RT: 15.15
Response: 33461
Amount: 2.345313

Processing Integration Results



RT: 15.17
Response: 16731
Amount: 1.172692

Manual Integration Results



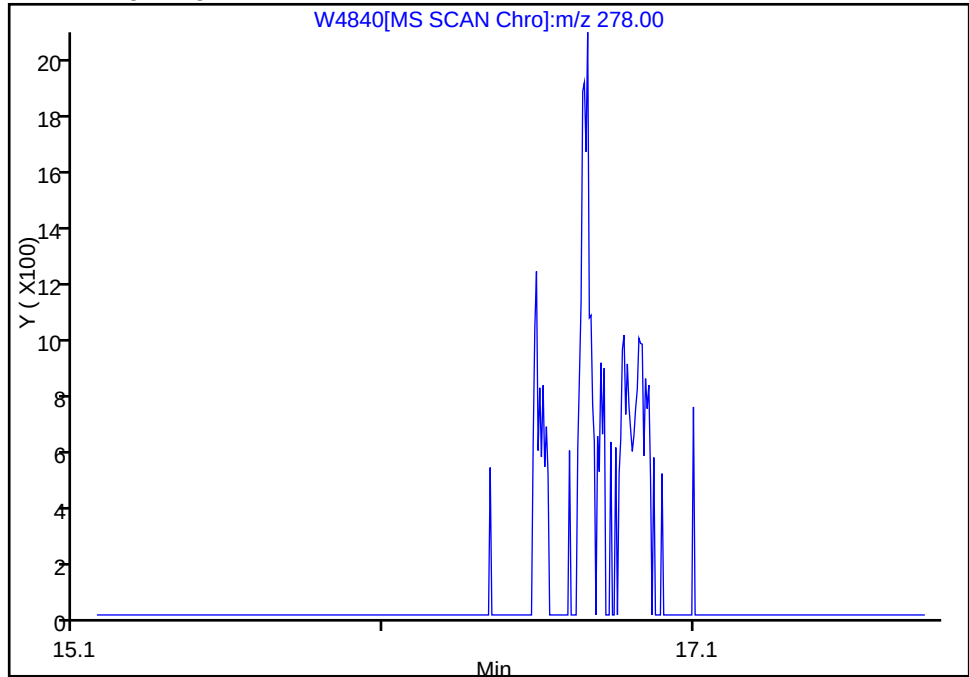
Reviewer: pfenderk, 09-Sep-2011 17:01:10
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

Data File:	\\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4840.D		
Injection Date:	08-Sep-2011 13:36:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-B5 (5-9)	Instrument ID:	HP5973W
Lims Batch ID:	30456	Lims Sample ID:	7
Operator ID:	KLP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

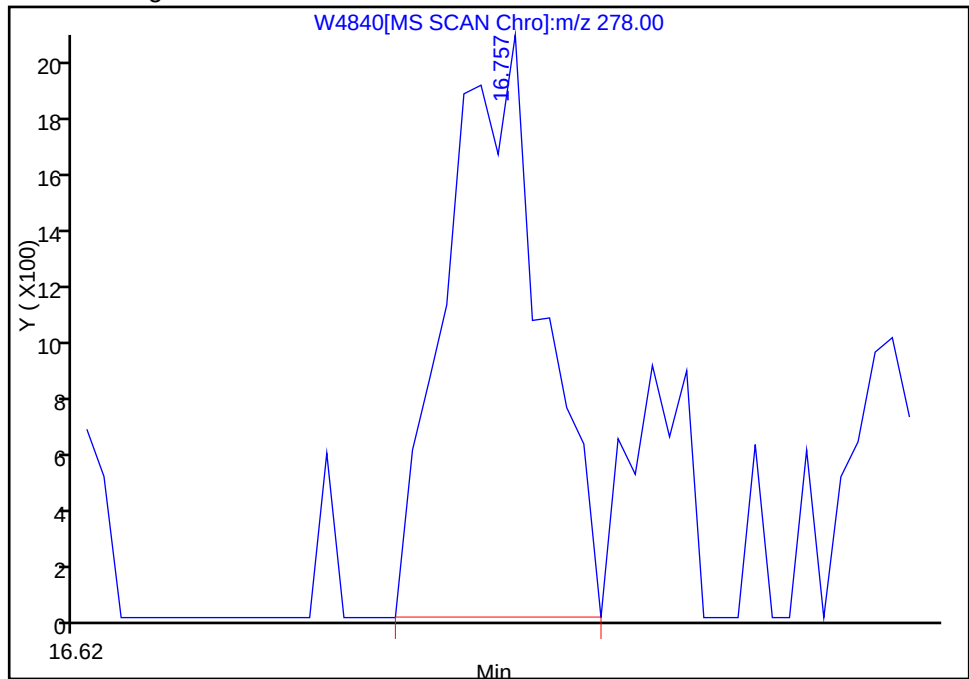
216 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 16.77

Not Detected
Expected RT: 16.77

Processing Integration Results



Manual Integration Results

RT: 16.76
Response: 4379
Amount: 3.386314Reviewer: pfenderk, 09-Sep-2011 17:01:10
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Sep-2011 17:01:11

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4840.D

Injection Date: 08-Sep-2011 13:36:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B5 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 7

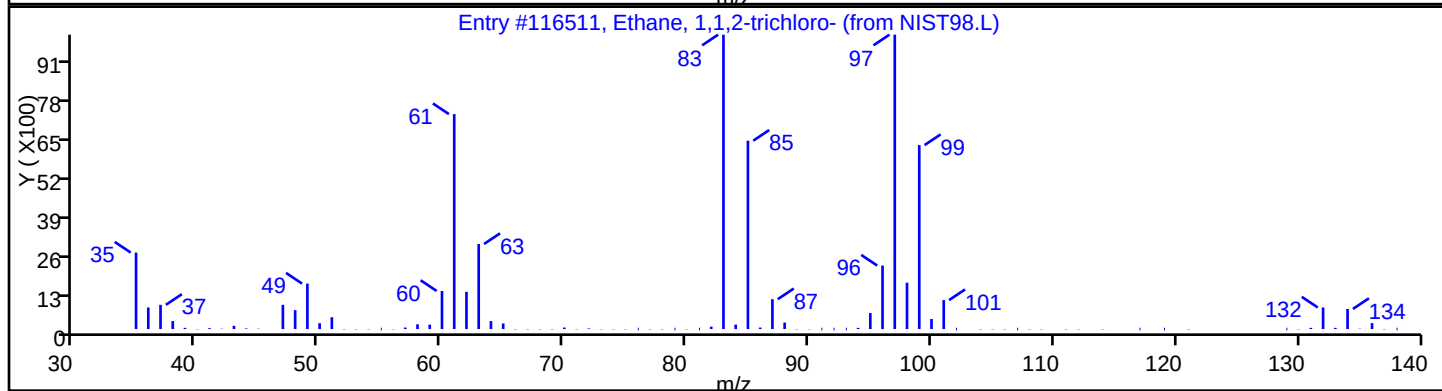
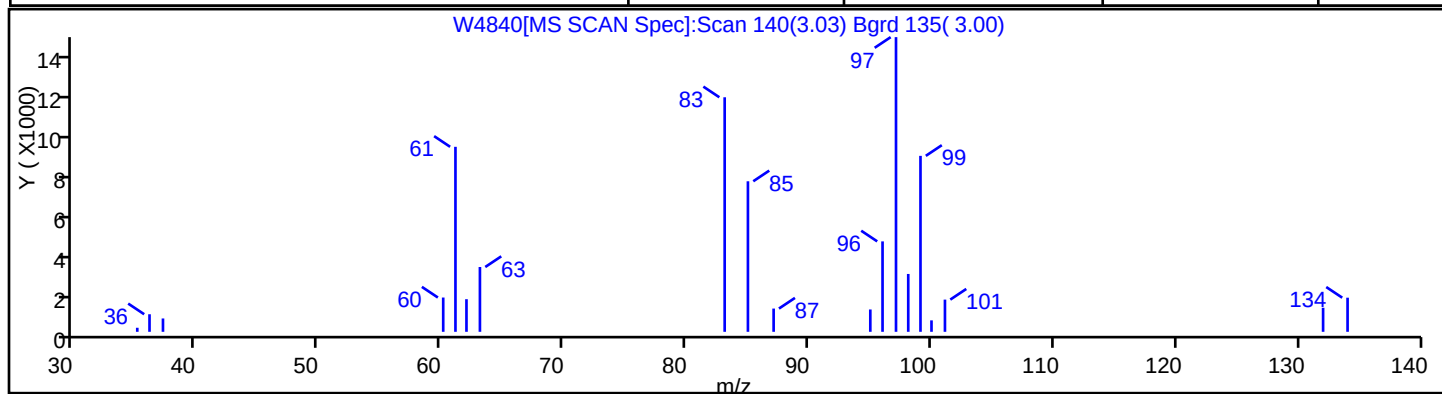
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Ethane, 1,1,2-trichloro-	79-0-5	NIST98.L	116511	94



Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4840.D

Injection Date: 08-Sep-2011 13:36:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B5 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 7

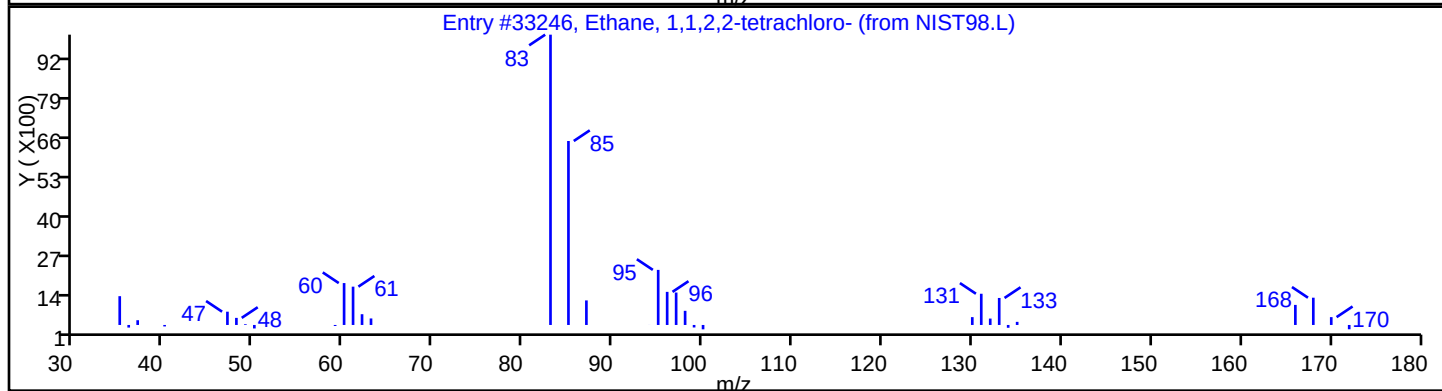
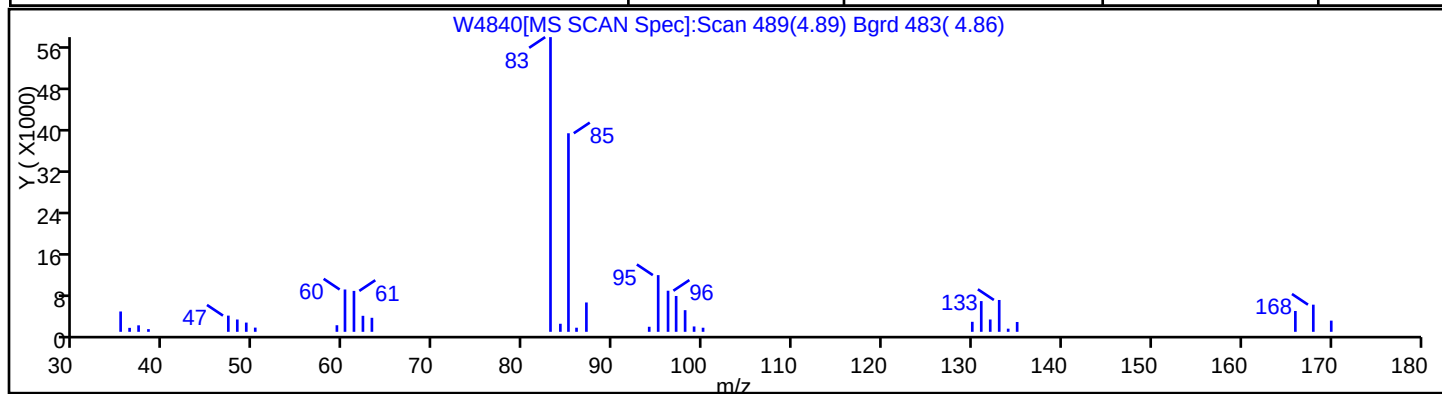
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Ethane, 1,1,2,2-tetrachloro-	79-34-5	NIST98.L	33246	97



Report Date: 09-Sep-2011 17:01:11

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4840.D

Injection Date: 08-Sep-2011 13:36:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B5 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 7

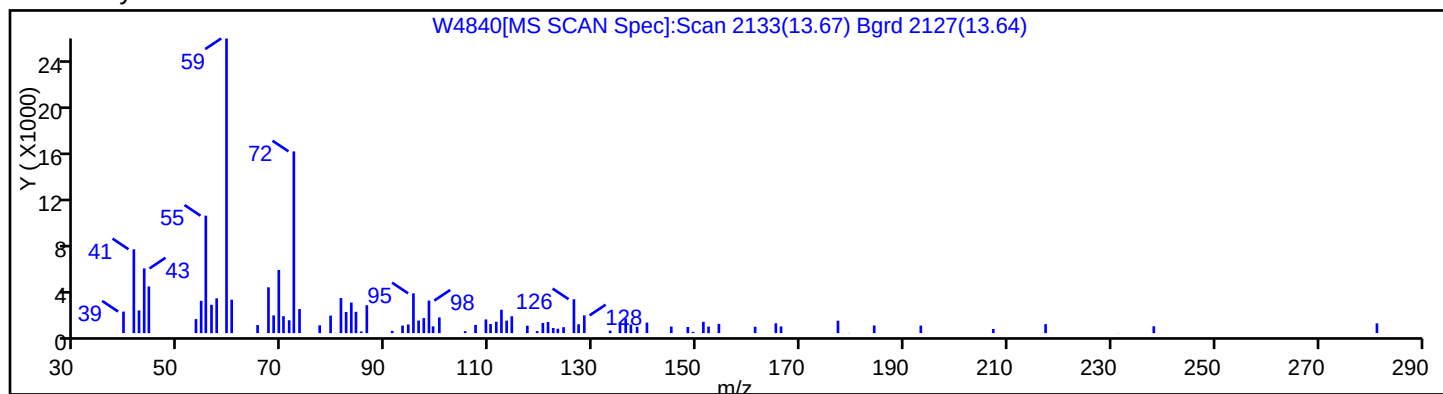
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-B6 (5-9)</u>	Lab Sample ID: <u>480-9072-3</u>
Matrix: <u>Solid</u>	Lab File ID: <u>W4841.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>08/25/2011 14:15</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/01/2011 13:26</u>
Sample wt/vol: <u>+30.20(g)</u>	Date Analyzed: <u>09/08/2011 14:00</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>17.7</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>30456</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		210	13
108-60-1	bis (2-chloroisopropyl) ether	ND		210	21
95-95-4	2,4,5-Trichlorophenol	ND		210	44
88-06-2	2,4,6-Trichlorophenol	ND		210	13
120-83-2	2,4-Dichlorophenol	ND		210	11
105-67-9	2,4-Dimethylphenol	ND		210	55
51-28-5	2,4-Dinitrophenol	ND		400	71
121-14-2	2,4-Dinitrotoluene	ND		210	32
606-20-2	2,6-Dinitrotoluene	ND		210	50
91-58-7	2-Chloronaphthalene	ND		210	14
95-57-8	2-Chlorophenol	ND		210	10
91-57-6	2-Methylnaphthalene	22	J	210	2.5
95-48-7	2-Methylphenol	ND		210	6.3
88-74-4	2-Nitroaniline	ND		400	65
88-75-5	2-Nitrophenol	ND		210	9.3
91-94-1	3,3'-Dichlorobenzidine	ND		210	180
99-09-2	3-Nitroaniline	ND		400	47
534-52-1	4,6-Dinitro-2-methylphenol	ND		400	70
101-55-3	4-Bromophenyl phenyl ether	ND		210	65
59-50-7	4-Chloro-3-methylphenol	ND		210	8.4
106-47-8	4-Chloroaniline	ND		210	60
7005-72-3	4-Chlorophenyl phenyl ether	ND		210	4.3
106-44-5	4-Methylphenol	ND		400	11
100-01-6	4-Nitroaniline	ND		400	23
100-02-7	4-Nitrophenol	ND		400	49
83-32-9	Acenaphthene	ND		210	2.4
208-96-8	Acenaphthylene	ND		210	1.7
98-86-2	Acetophenone	ND		210	10
120-12-7	Anthracene	ND		210	5.2
1912-24-9	Atrazine	ND		210	9.1
100-52-7	Benzaldehyde	ND		210	22
56-55-3	Benzo (a) anthracene	35	J	210	3.5
50-32-8	Benzo (a) pyrene	28	J	210	4.9
205-99-2	Benzo (b) fluoranthene	39	J	210	4.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-B6 (5-9)</u>	Lab Sample ID: <u>480-9072-3</u>
Matrix: <u>Solid</u>	Lab File ID: <u>W4841.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>08/25/2011 14:15</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/01/2011 13:26</u>
Sample wt/vol: <u>+30.20(g)</u>	Date Analyzed: <u>09/08/2011 14:00</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>17.7</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>30456</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	35	J	210	2.4
207-08-9	Benzo(k)fluoranthene	25	J	210	2.2
111-91-1	Bis(2-chloroethoxy)methane	ND		210	11
111-44-4	Bis(2-chloroethyl)ether	ND		210	18
117-81-7	Bis(2-ethylhexyl) phthalate	ND		210	66
85-68-7	Butyl benzyl phthalate	ND		210	55
105-60-2	Caprolactam	ND		210	88
86-74-8	Carbazole	ND		210	2.4
218-01-9	Chrysene	33	J	210	2.0
84-74-2	Di-n-butyl phthalate	ND		210	70
117-84-0	Di-n-octyl phthalate	ND		210	4.8
53-70-3	Dibenz(a,h)anthracene	ND		210	2.4
132-64-9	Dibenzofuran	ND		210	2.1
84-66-2	Diethyl phthalate	20	J	210	6.2
131-11-3	Dimethyl phthalate	ND		210	5.3
206-44-0	Fluoranthene	45	J	210	3.0
86-73-7	Fluorene	ND		210	4.7
118-74-1	Hexachlorobenzene	ND		210	10
87-68-3	Hexachlorobutadiene	ND		210	10
77-47-4	Hexachlorocyclopentadiene	ND		210	62
67-72-1	Hexachloroethane	ND		210	16
193-39-5	Indeno(1,2,3-cd)pyrene	140	J	210	5.6
78-59-1	Isophorone	ND		210	10
621-64-7	N-Nitrosodi-n-propylamine	ND		210	16
86-30-6	N-Nitrosodiphenylamine	ND		210	11
91-20-3	Naphthalene	ND		210	3.4
98-95-3	Nitrobenzene	ND		210	9.0
87-86-5	Pentachlorophenol	ND		400	70
85-01-8	Phenanthrene	15	J	210	4.3
108-95-2	Phenol	ND		210	21
129-00-0	Pyrene	39	J	210	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: SB-B6 (5-9) Lab Sample ID: 480-9072-3
Matrix: Solid Lab File ID: W4841.D
Analysis Method: 8270C Date Collected: 08/25/2011 14:15
Extract. Method: 3550B Date Extracted: 09/01/2011 13:26
Sample wt/vol: +30.20(g) Date Analyzed: 09/08/2011 14:00
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 17.7 GPC Cleanup: (Y/N) N
Analysis Batch No.: 30456 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	97		39-146
321-60-8	2-Fluorobiphenyl	84		37-120
367-12-4	2-Fluorophenol	70		18-120
4165-60-0	Nitrobenzene-d5	80		34-132
1718-51-0	p-Terphenyl-d14	93		58-147
4165-62-2	Phenol-d5	77		11-120

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: SB-B6 (5-9) Lab Sample ID: 480-9072-3
Matrix: Solid Lab File ID: W4841.D
Analysis Method: 8270C Date Collected: 08/25/2011 14:15
Extract. Method: 3550B Date Extracted: 09/01/2011 13:26
Sample wt/vol: +30.20(g) Date Analyzed: 09/08/2011 14:00
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 17.7 GPC Cleanup: (Y/N) N
Analysis Batch No.: 30456 Units: ug/Kg
Number TICs Found: 3 TIC Result Total: 1300

CAS NO.	COMPOUND NAME	RT	RESULT	Q
79-0-5	Ethane, 1,1,2-trichloro-	3.03	430	T J N
79-34-5	Ethane, 1,1,2,2-tetrachloro-	4.89	620	T J N
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	11.15	250	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4841.D
 Lims ID: 480-9072-E-3-A Client ID: SB-B6 (5-9)
 Inject. Date: 08-Sep-2011 14:00:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0005823-008
 Misc. Info.: 480-9072-E-3-A =480-9072-E-3-A
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 30456 Lims Sample ID: 8
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W-8270.m
 Last Update: 09-Sep-2011 10:28:24 Calib Date: 07-Sep-2011 19:22:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4799.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: pfenderk

Date: 09-Sep-2011 17:04:44

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.046	6.046	0.0	97	103868	40.0	
* 2 Naphthalene-d8	136	7.734	7.734	0.0	100	422683	40.0	
* 3 Acenaphthene-d10	164	10.005	10.010	-0.005	98	232205	40.0	
* 4 Phenanthrene-d10	188	11.698	11.704	-0.006	99	391924	40.0	
* 5 Chrysene-d12	240	14.182	14.188	-0.006	81	432305	40.0	
* 6 Perylene-d12	264	15.539	15.545	-0.006	98	441581	40.0	
\$ 7 2-Fluorophenol	112	4.272	4.278	-0.006	94	404725	104.8	
\$ 8 Phenol-d5	99	5.544	5.554	-0.010	87	557111	116.2	
\$ 9 Nitrobenzene-d5	82	6.778	6.783	-0.005	95	318006	80.5	
\$ 10 2-Fluorobiphenyl	172	9.150	9.160	-0.010	100	596442	84.3	
\$ 11 2,4,6-Tribromophenol	330	10.945	10.950	-0.005	89	135023	145.3	
\$ 12 p-Terphenyl-d14	244	13.242	13.247	-0.005	96	846328	93.4	
71 Benzaldehyde	77		5.442					
72 Phenol	94		5.570					
74 Bis(2-chloroethyl)ether	93		5.688					
75 2-Chlorophenol	128		5.768					
82 2-Methylphenol	108		6.393					
83 2,2'-oxybis[1-chloropropane]	45		6.430					
86 Acetophenone	105		6.580					
88 4-Methylphenol	108		6.601					
87 N-Nitrosodi-n-propylamine	70		6.601					
89 Hexachloroethane	117		6.735					
85 Nitrobenzene	77		6.810					
94 Isophorone	82		7.130					
97 2-Nitrophenol	139		7.237					
99 2,4-Dimethylphenol	107		7.312					
103 Bis(2-chloroethoxy)methane	93		7.429					
106 2,4-Dichlorophenol	162		7.558					
107 Naphthalene	128		7.766					
108 4-Chloroaniline	127		7.841					
110 Hexachlorobutadiene	225		7.958					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
114 Caprolactam	113		8.242					
117 4-Chloro-3-methylphenol	107		8.487					
121 2-Methylnaphthalene	142	8.669	8.669	-0.005	9	3628	0.5492	
125 Hexachlorocyclopentadiene	237		8.904					
127 2,4,6-Trichlorophenol	196		9.048					
129 2,4,5-Trichlorophenol	196		9.086					
130 1,1'-Biphenyl	154		9.278					
131 2-Chloronaphthalene	162		9.299					
132 2-Nitroaniline	65		9.433					
134 Dimethyl phthalate	163		9.684					
135 2,6-Dinitrotoluene	165		9.748					
137 Acenaphthylene	152		9.833					
140 3-Nitroaniline	138		9.956					
141 Acenaphthene	153		10.053					
142 2,4-Dinitrophenol	184		10.090					
143 4-Nitrophenol	109		10.175					
144 2,4-Dinitrotoluene	165		10.256					
145 Dibenzofuran	168		10.266					
149 Diethyl phthalate	149	10.550	10.550	-0.010	5	3519	0.5071	
151 Fluorene	166		10.678					
152 4-Chlorophenyl phenyl ether	204		10.678					
153 4-Nitroaniline	138		10.699					
154 4,6-Dinitro-2-methylphenol	198		10.736					
157 N-Nitrosodiphenylamine	169		10.816					
164 4-Bromophenyl phenyl ether	248		11.228					
168 Hexachlorobenzene	284		11.308					
170 Atrazine	200		11.410					
172 Pentachlorophenol	266		11.516					
177 Phenanthrene	178	11.720	11.720	-0.010	1	4208	0.3852	
180 Anthracene	178	11.773	11.773	-0.010	1	1337	0.1213	
181 Carbazole	167		11.949					
184 Di-n-butyl phthalate	149		12.302					
191 Fluoranthene	202	12.895	12.905	-0.010	75	12979	1.11	
193 Pyrene	202	13.103	13.114	-0.011	84	13611	0.9804	
200 Butyl benzyl phthalate	149		13.675					
204 3,3'-Dichlorobenzidine	252		14.150					
206 Bis(2-ethylhexyl) phthalate	149	14.156	14.171	-0.015	83	9751	1.19	
205 Benzo[a]anthracene	228	14.172	14.172	-0.010	30	10663	0.8728	
207 Chrysene	228	14.204	14.204	-0.010	18	10600	0.8192	
208 Di-n-octyl phthalate	149		14.722					
209 Benzo[b]fluoranthene	252	15.155	15.155	-0.010	62	10813	0.9731	M
211 Benzo[k]fluoranthene	252	15.171	15.171	-0.021	59	8969	0.6339	M
213 Benzo[a]pyrene	252	15.480	15.496	-0.016	60	6922	0.6948	
215 Indeno[1,2,3-cd]pyrene	276	16.741	16.741	-0.027	40	6890	3.43	
216 Dibenz(a,h)anthracene	278		16.773					
217 Benzo[g,h,i]perylene	276	17.094	17.094	-0.026	43	8671	0.8635	

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4841.D
 Lims ID: 480-9072-E-3-A Client ID: SB-B6 (5-9)
 Inject. Date: 08-Sep-2011 14:00:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0005823-008
 Misc. Info.: 480-9072-E-3-A =480-9072-E-3-A
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 30456 Lims Sample ID: 8
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W-8270.m
 Last Update: 09-Sep-2011 10:28:24 Calib Date: 07-Sep-2011 19:22:30
 Tic RT Window: 1.500 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\Bufchrom\ChromData\Database\NIST98.L
 Min. Match: 85
 Process Host: CORP-CTX-16

First Level Reviewer: pfenderk

Date: 09-Sep-2011 17:04:44

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags

79-0-5	Ethane, 1,1,2-trichloro-					
3.028	183560	10.6	1	90	116511	
79-34-5	Ethane, 1,1,2,2-tetrachloro-					
4.892	266576	15.4	1	97	116505	
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-					
11.148	162618	6.19	4	91	112578	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL

* 1 1,4-Dichlorobenzene-d4	6.046	691819	40.0
* 4 Phenanthrene-d10	11.698	1051320	40.0

QC Flag Legend

Processing Flags

Report Date: 09-Sep-2011 17:04:45

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4841.D

Injection Date: 08-Sep-2011 14:00:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B6 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 8

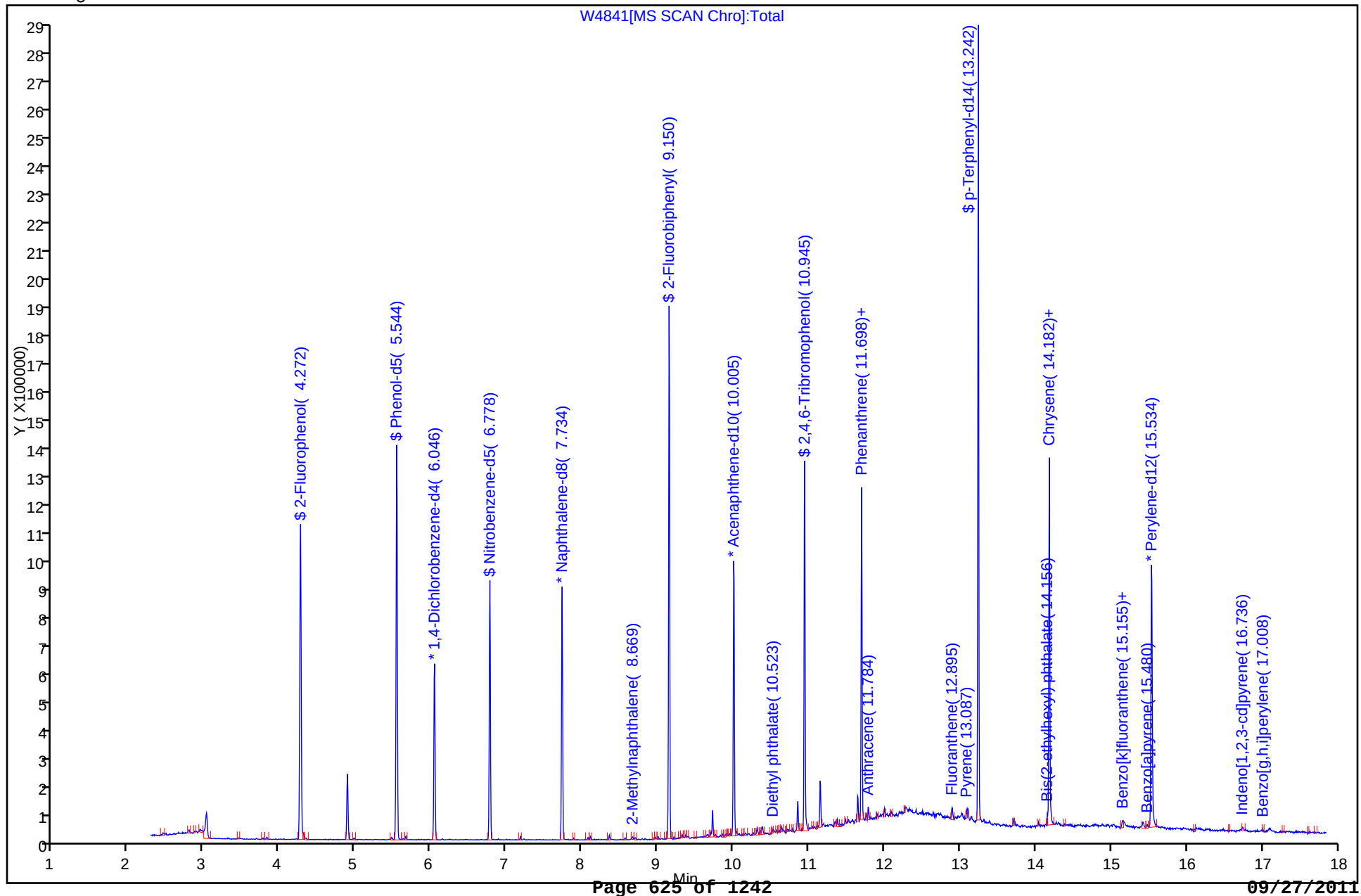
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



Report Date: 09-Sep-2011 17:04:45

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4841.D

Injection Date: 08-Sep-2011 14:00:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B6 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 8

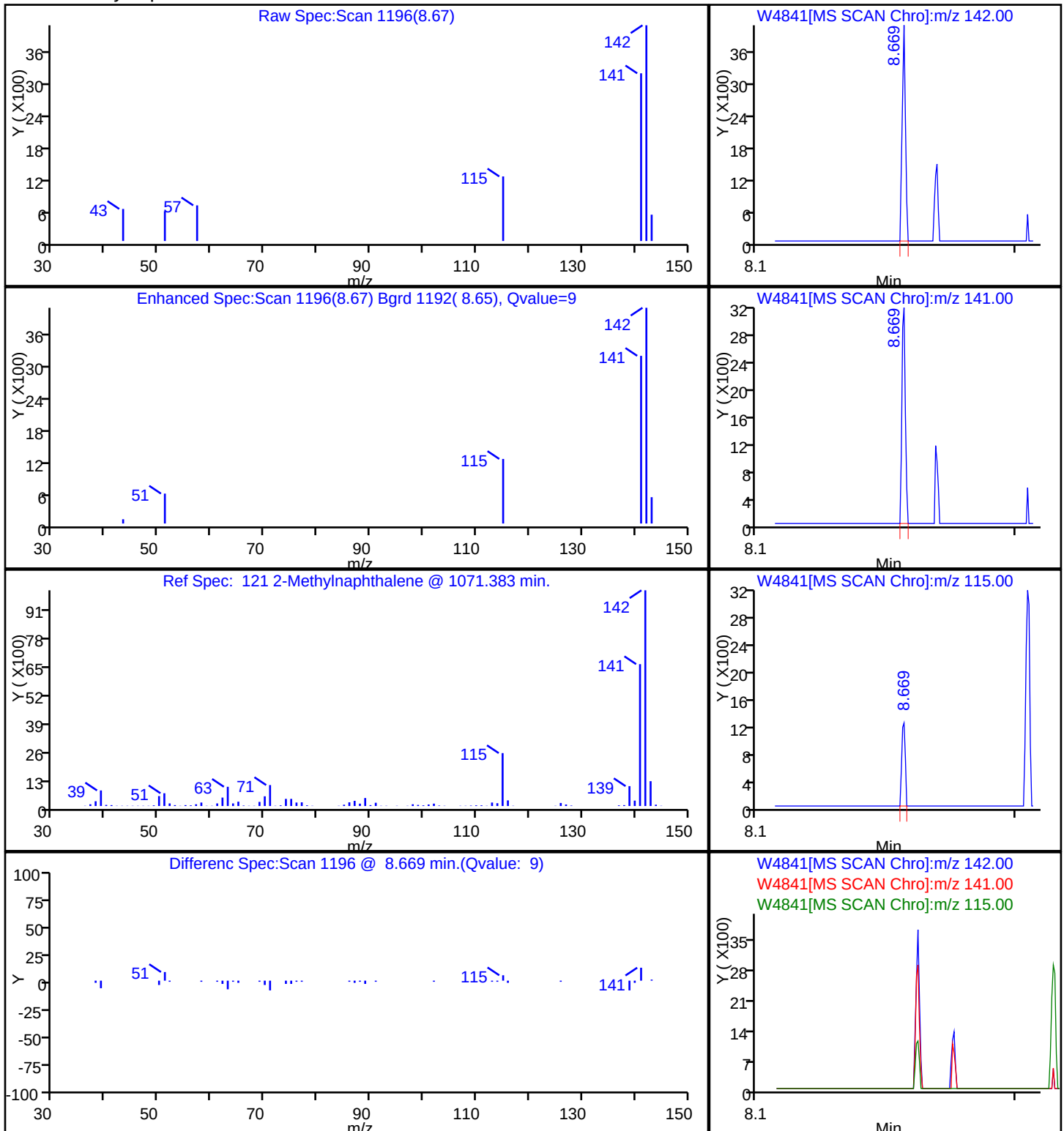
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

121 2-Methylnaphthalene



Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4841.D

Injection Date: 08-Sep-2011 14:00:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B6 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 8

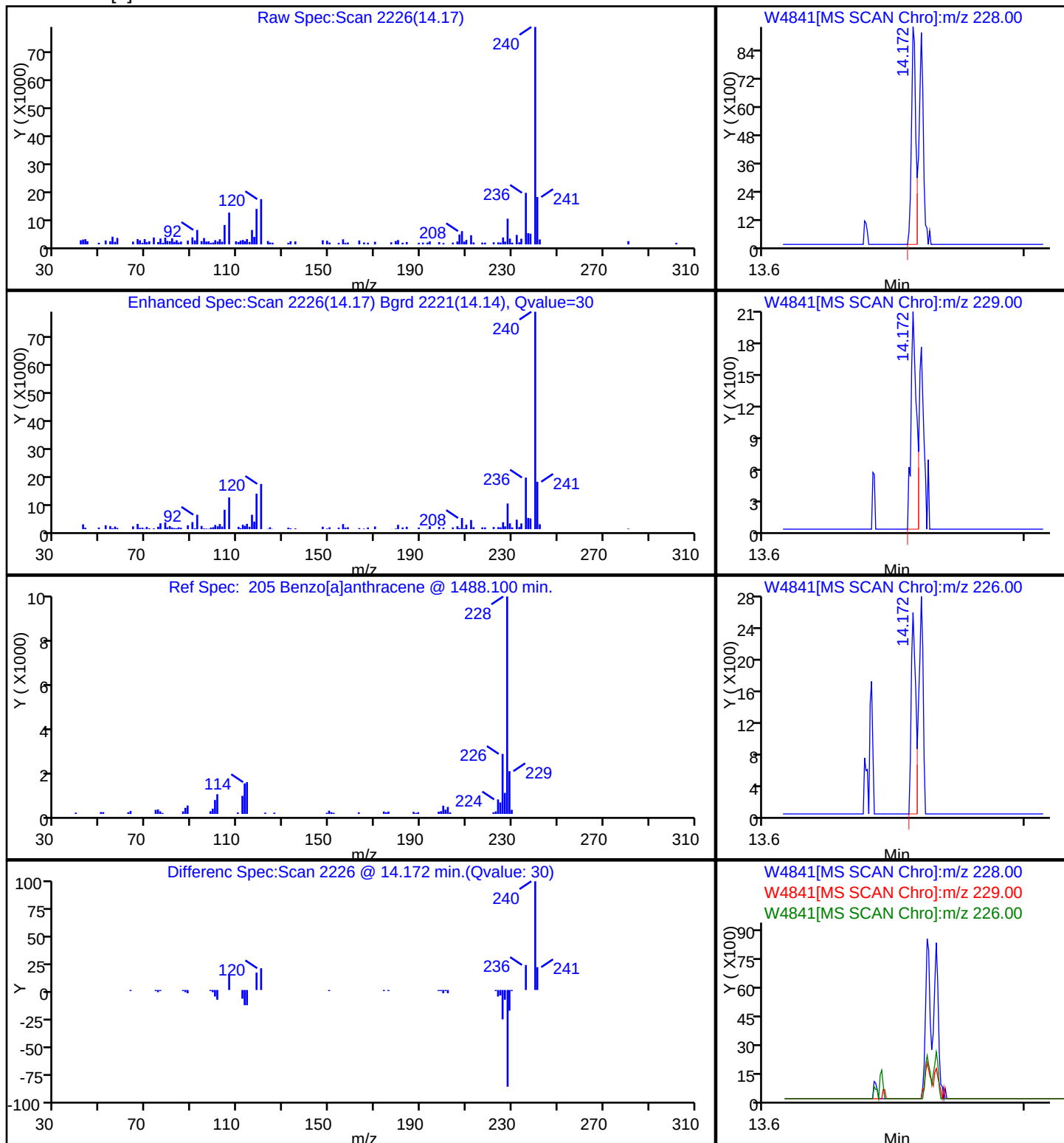
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

205 Benzo[a]anthracene



Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4841.D

Injection Date: 08-Sep-2011 14:00:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B6 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 8

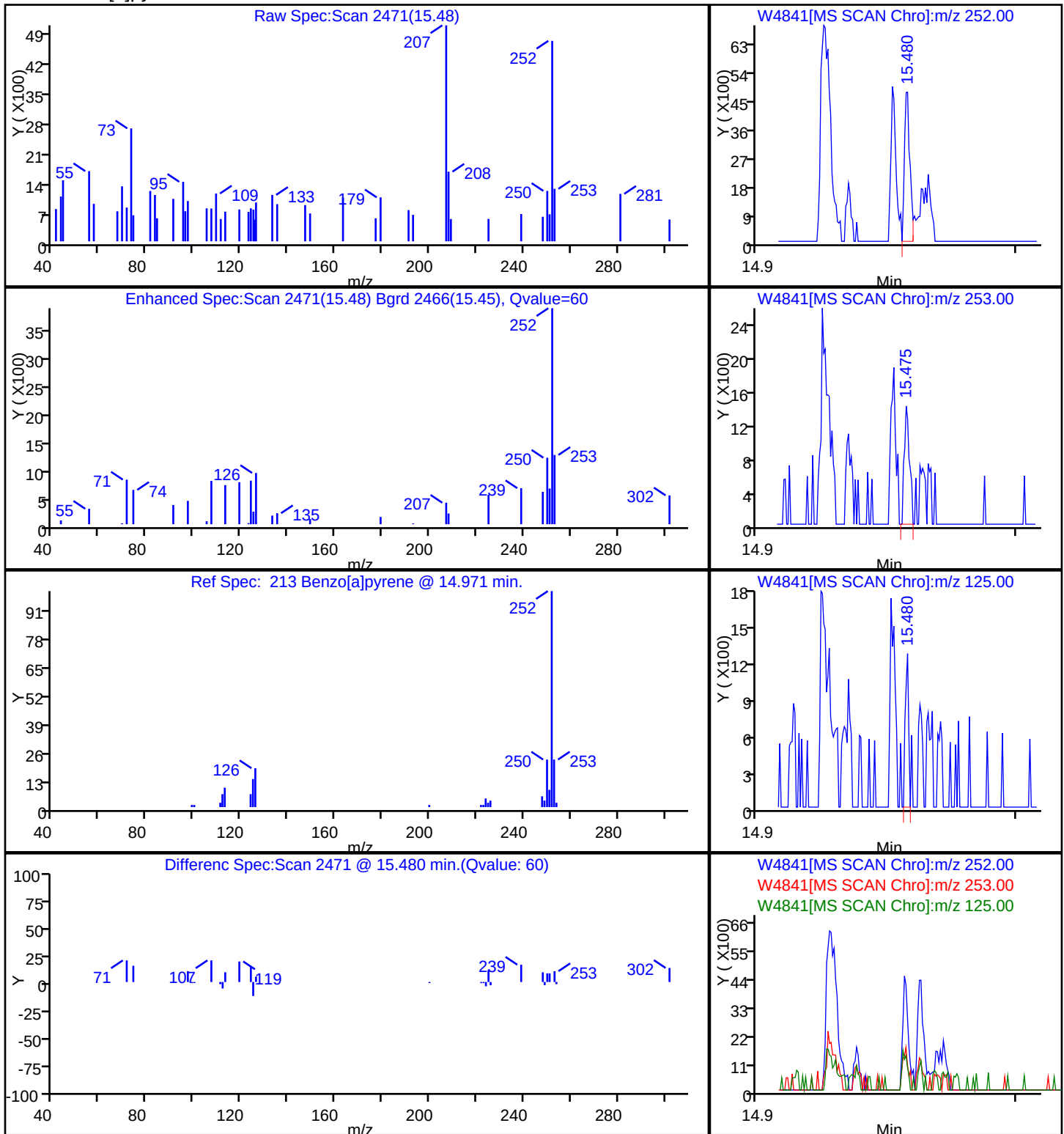
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

213 Benzo[a]pyrene



Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4841.D

Injection Date: 08-Sep-2011 14:00:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B6 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 8

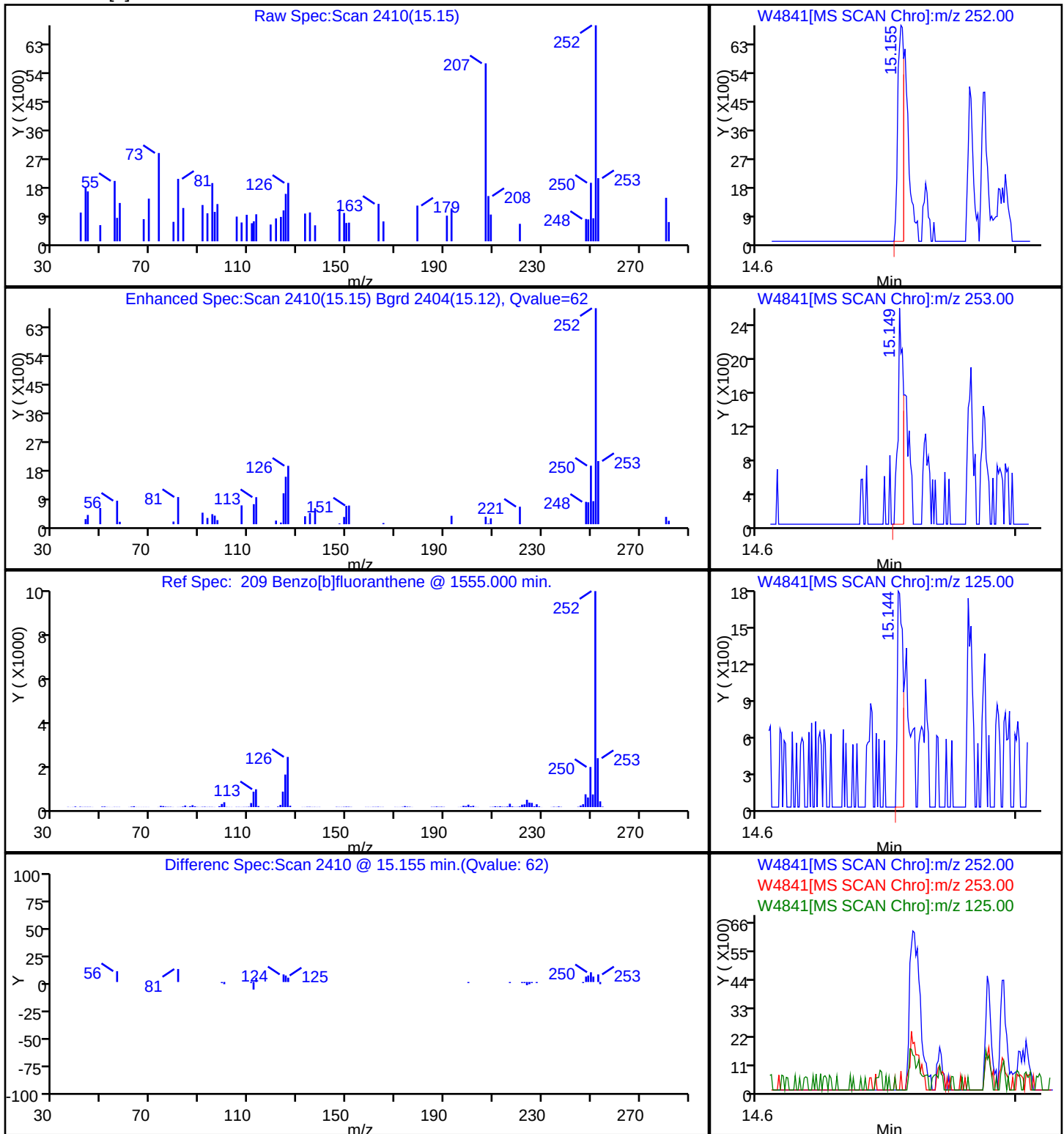
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

209 Benzo[b]fluoranthene



Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4841.D

Injection Date: 08-Sep-2011 14:00:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B6 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 8

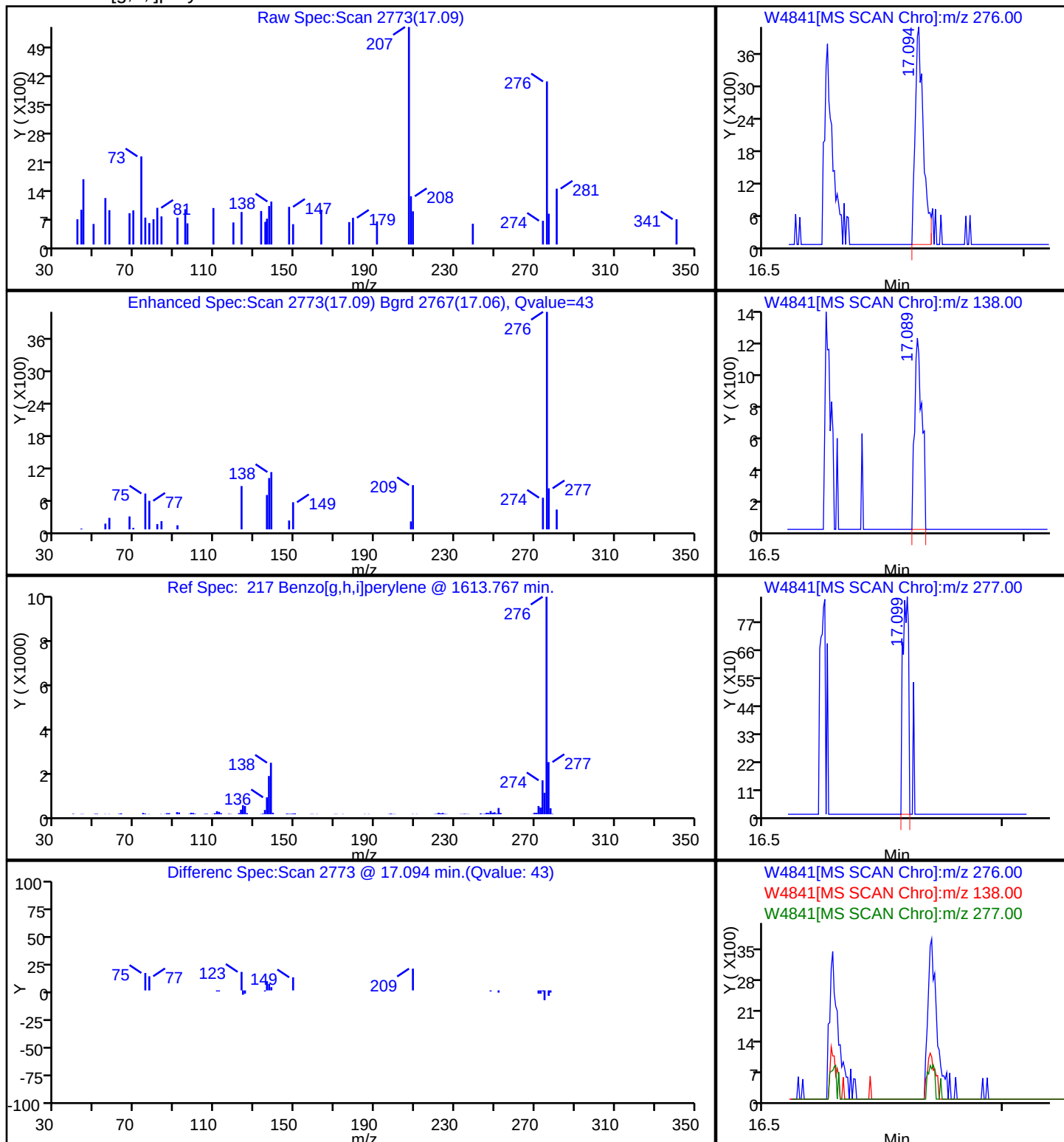
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

217 Benzo[g,h,i]perylene



Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4841.D

Injection Date: 08-Sep-2011 14:00:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B6 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 8

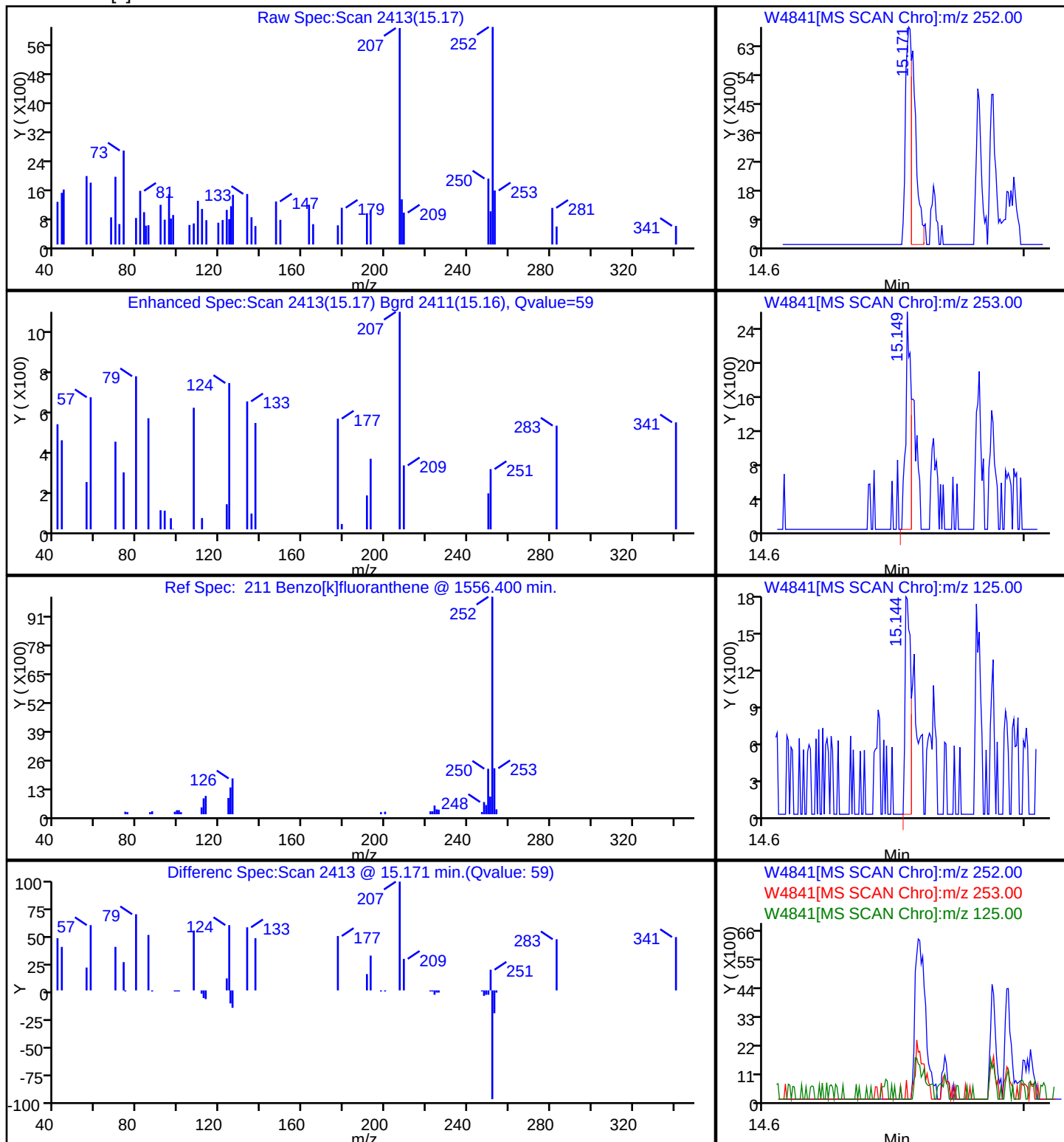
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

211 Benzo[k]fluoranthene



Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4841.D

Injection Date: 08-Sep-2011 14:00:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B6 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 8

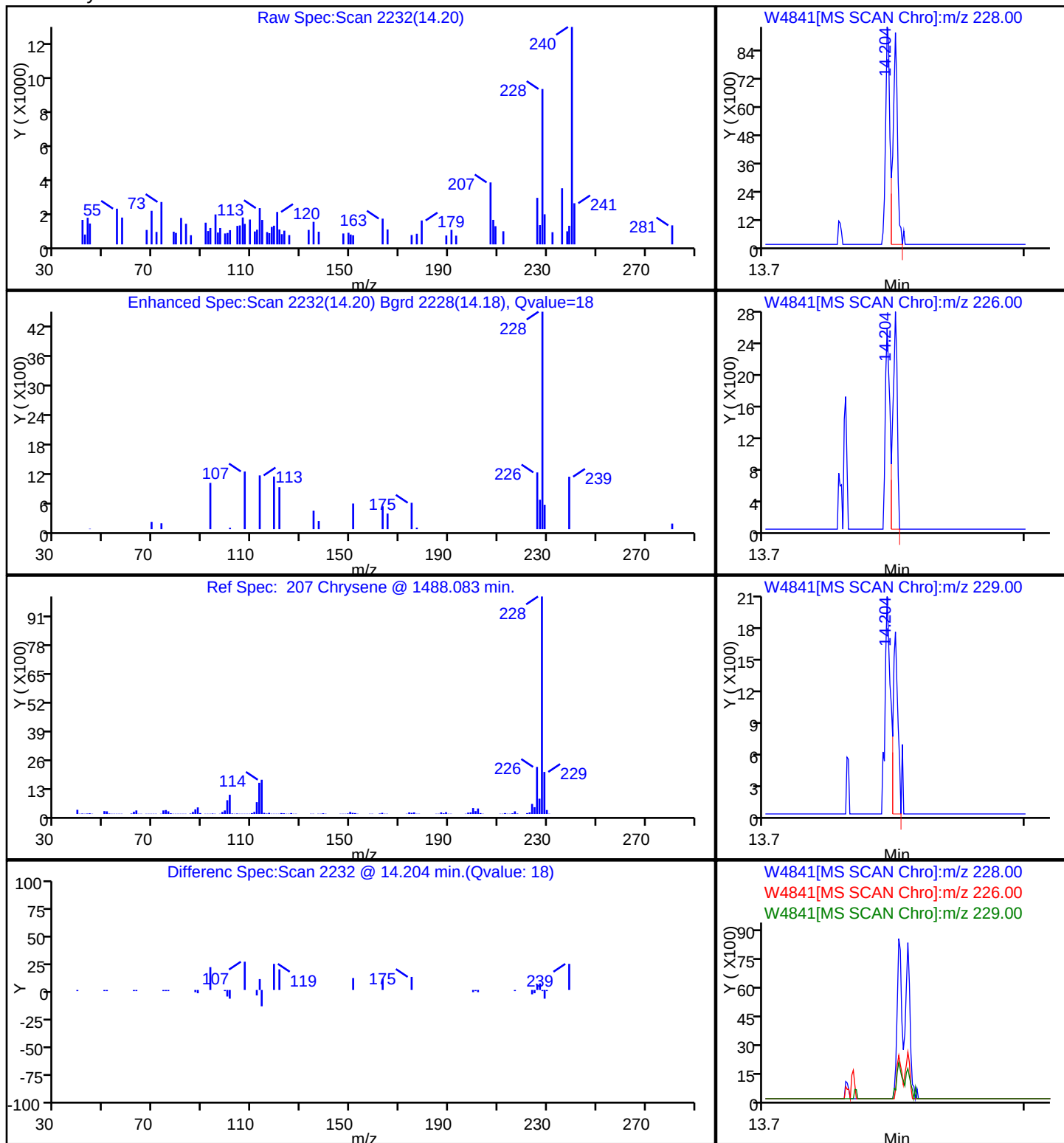
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

207 Chrysene



Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4841.D

Injection Date: 08-Sep-2011 14:00:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B6 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 8

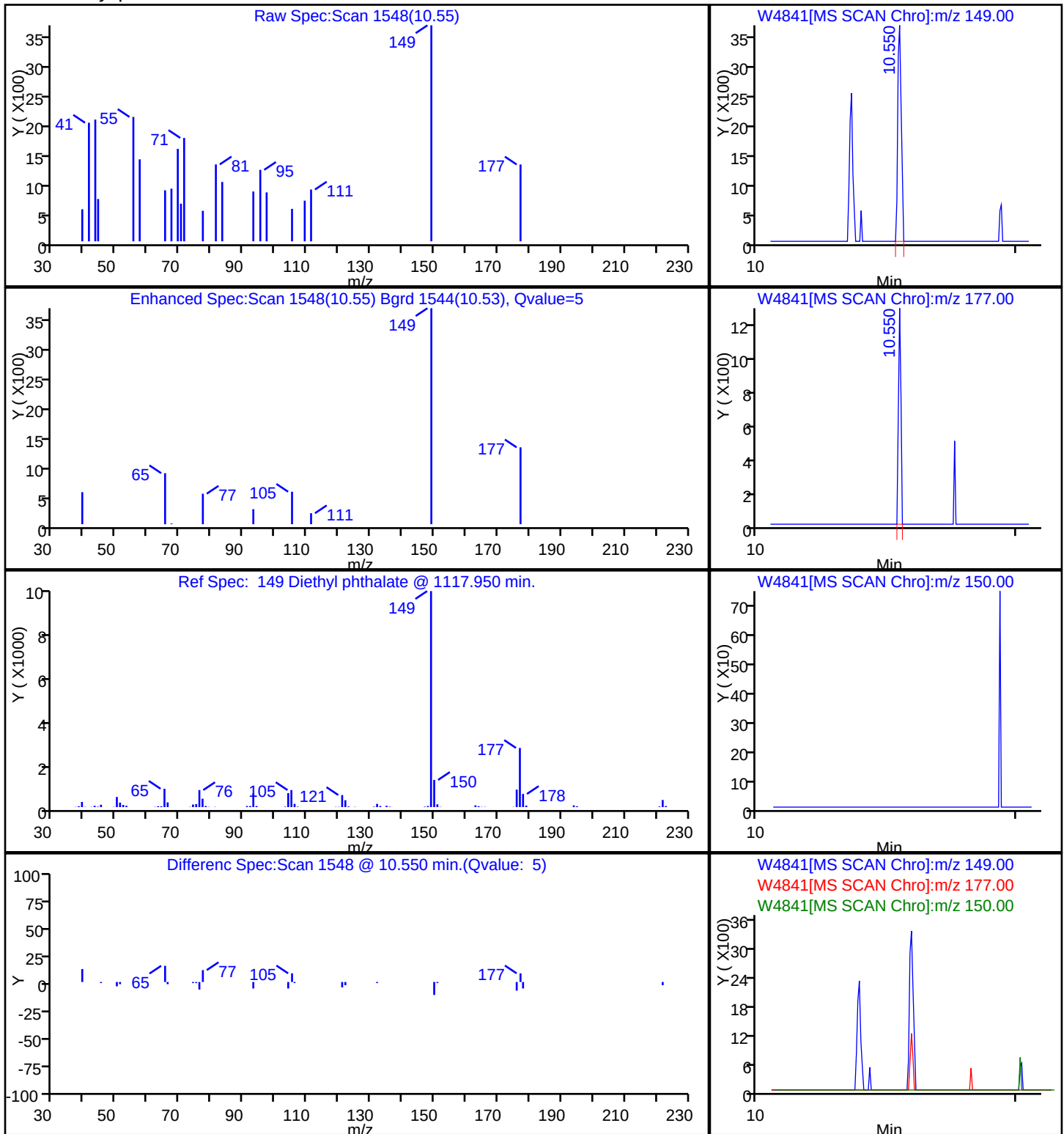
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

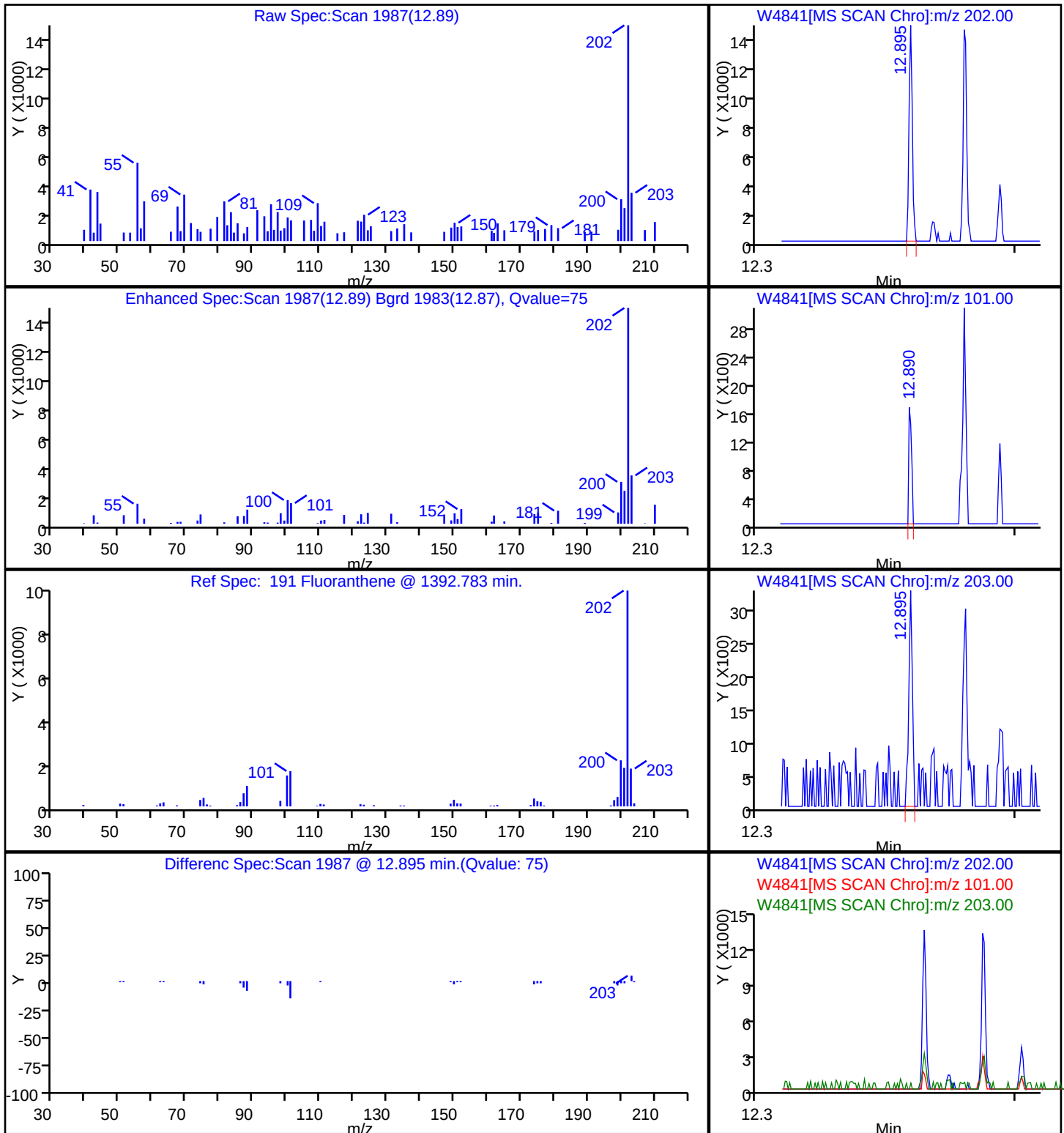
149 Diethyl phthalate



Report Date: 09-Sep-2011 17:04:45
Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4841.D
Injection Date: 08-Sep-2011 14:00:30
Client ID: SB-B6 (5-9)
Lims Batch ID: 30456
Operator ID: KLP
Column Type: RXI-5Sil MS

Chrom Revision: 2.0 11-Aug-2011 08:33:58
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973W
Lims Sample ID: 8
Injection Vol: 1.00 ul
Column Dia: 0.25 mm

191 Fluoranthene



Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4841.D

Injection Date: 08-Sep-2011 14:00:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B6 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 8

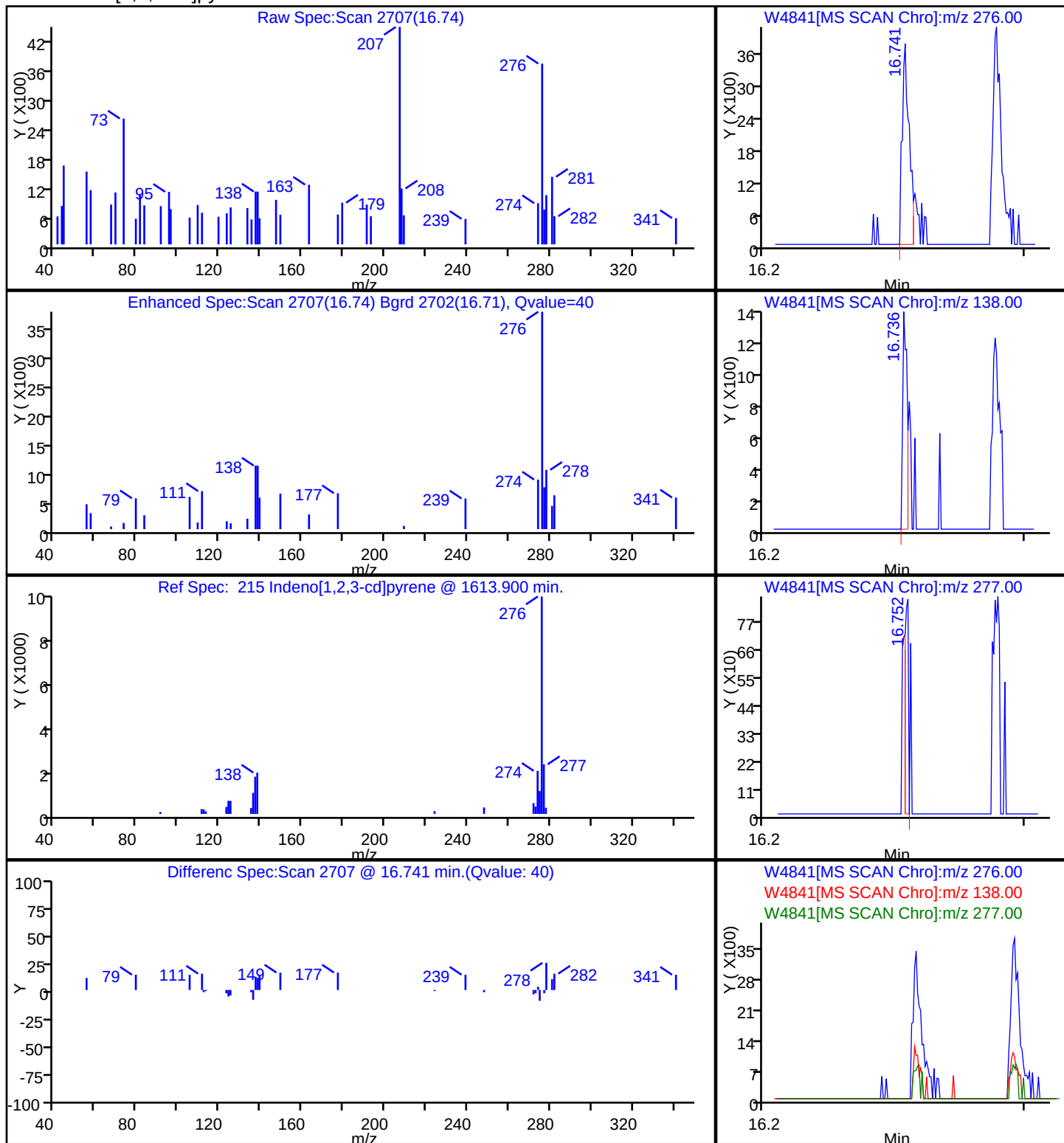
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

215 Indeno[1,2,3-cd]pyrene



Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4841.D

Injection Date: 08-Sep-2011 14:00:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B6 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 8

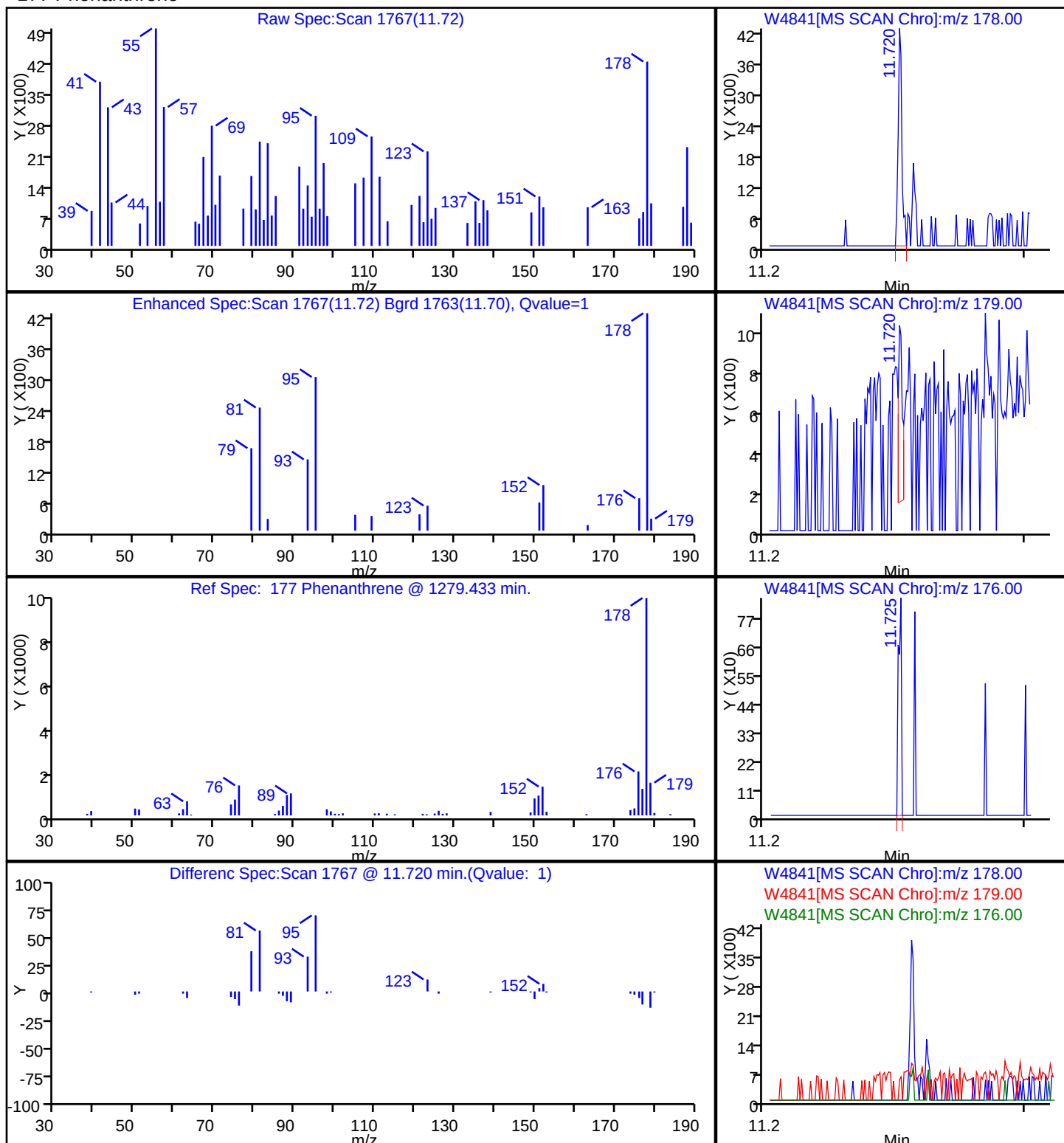
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

177 Phenanthrene



Data File:

\\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4841.D

Injection Date: 08-Sep-2011 14:00:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B6 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 8

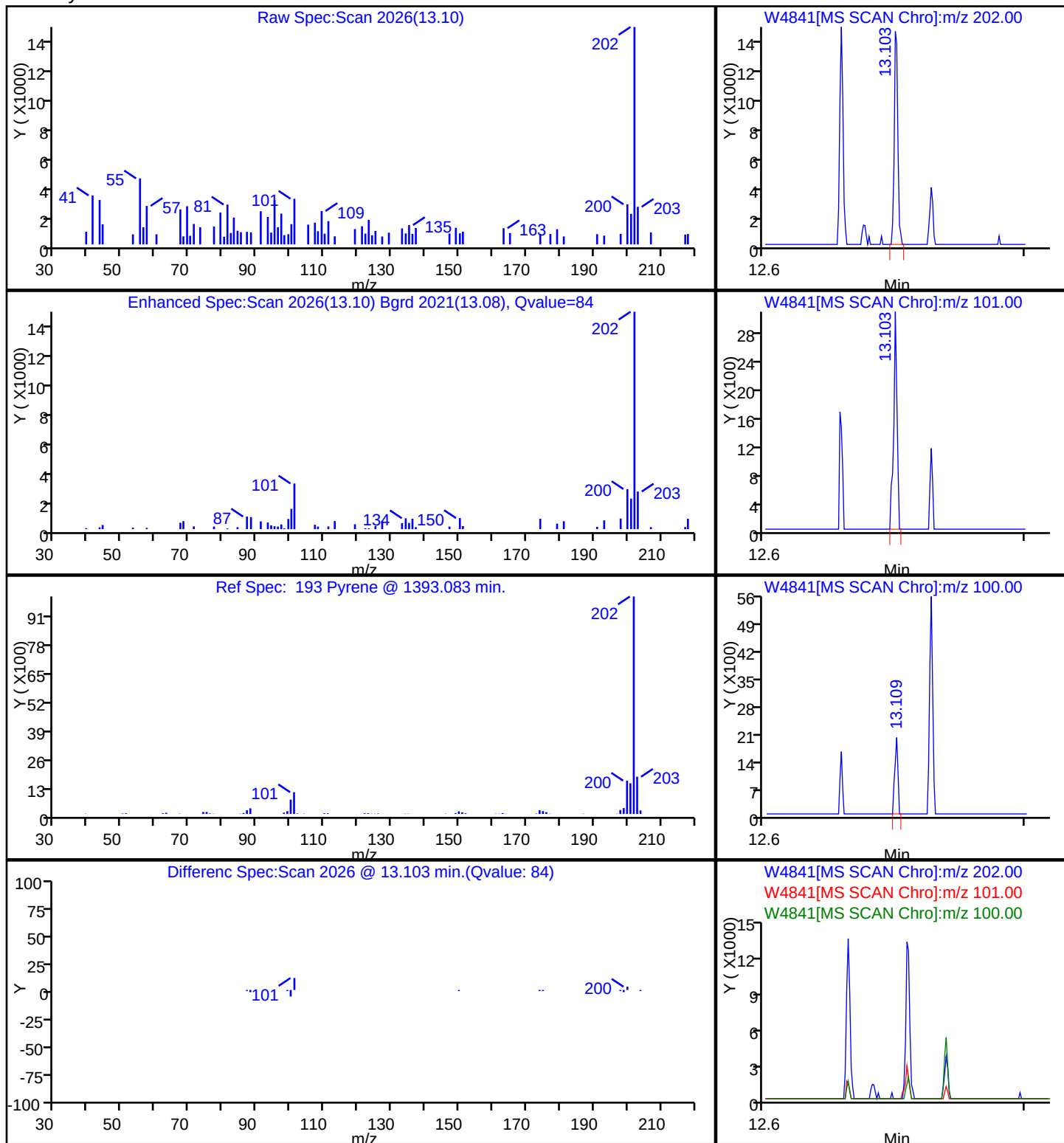
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

193 Pyrene

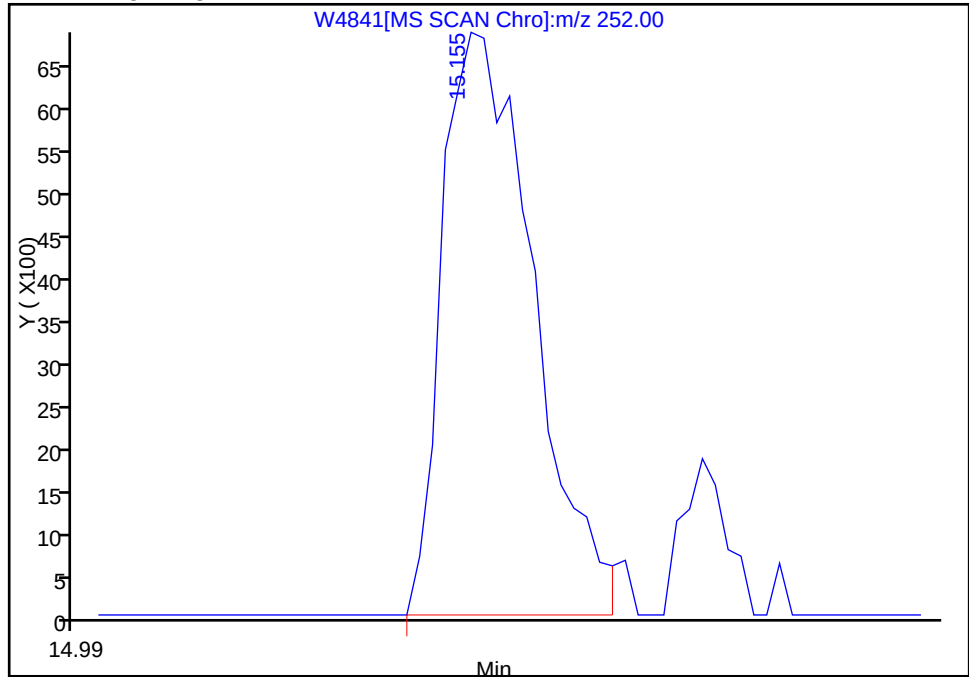


Data File:	\\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4841.D		
Injection Date:	08-Sep-2011 14:00:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-B6 (5-9)	Instrument ID:	HP5973W
Lims Batch ID:	30456	Lims Sample ID:	8
Operator ID:	KLP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

209 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.17

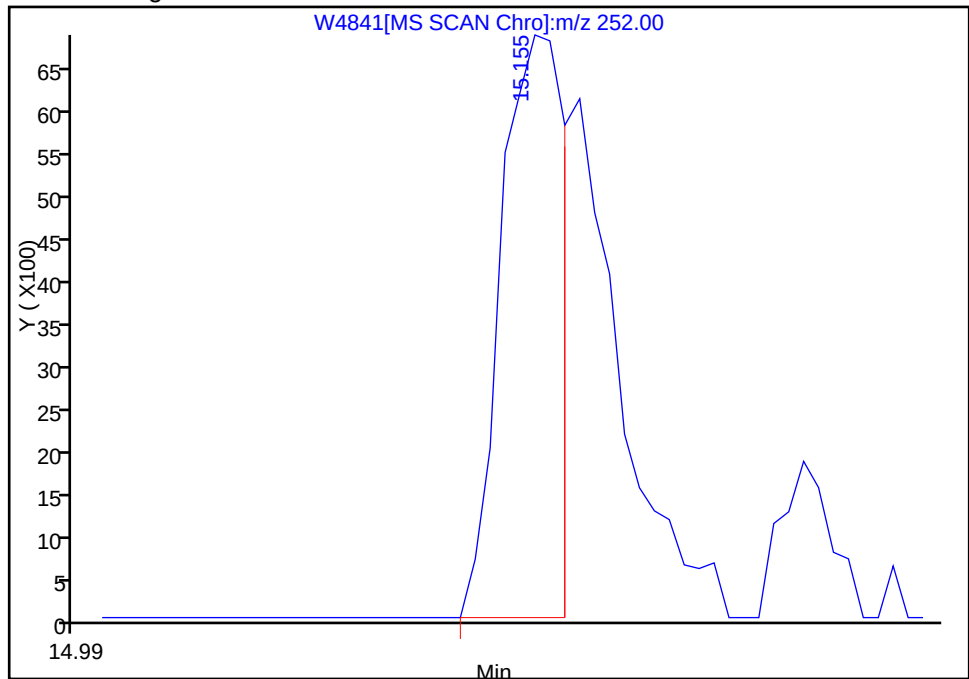
RT: 15.15
Response: 17928
Amount: 1.613399

Processing Integration Results



RT: 15.15
Response: 10813
Amount: 0.973097

Manual Integration Results



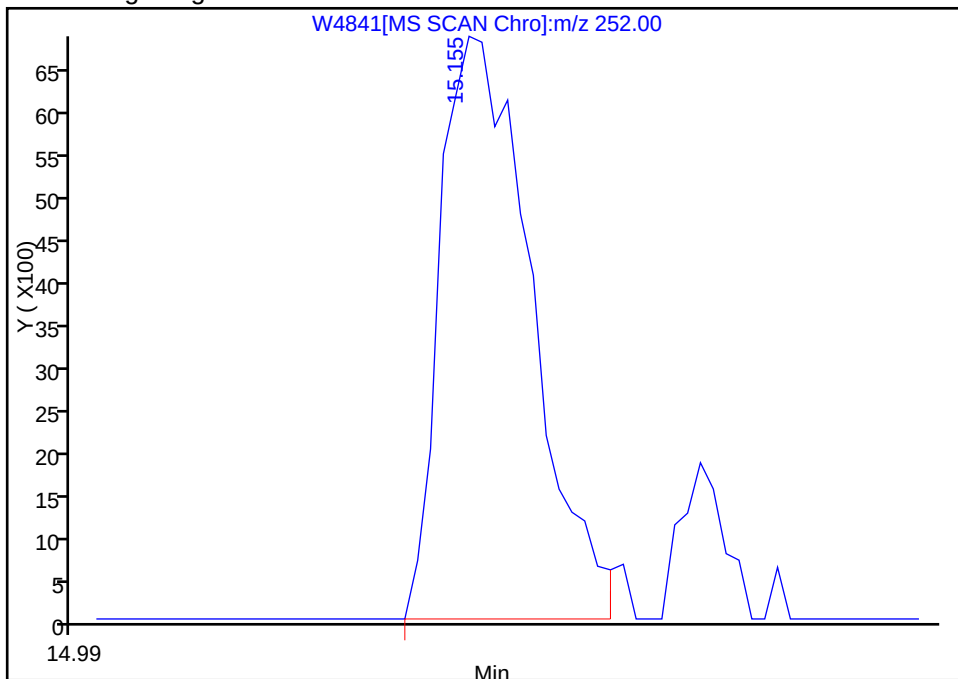
Reviewer: pfenderk, 09-Sep-2011 17:04:44
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

Data File:	\\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4841.D		
Injection Date:	08-Sep-2011 14:00:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-B6 (5-9)	Instrument ID:	HP5973W
Lims Batch ID:	30456	Lims Sample ID:	8
Operator ID:	KLP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

211 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.19

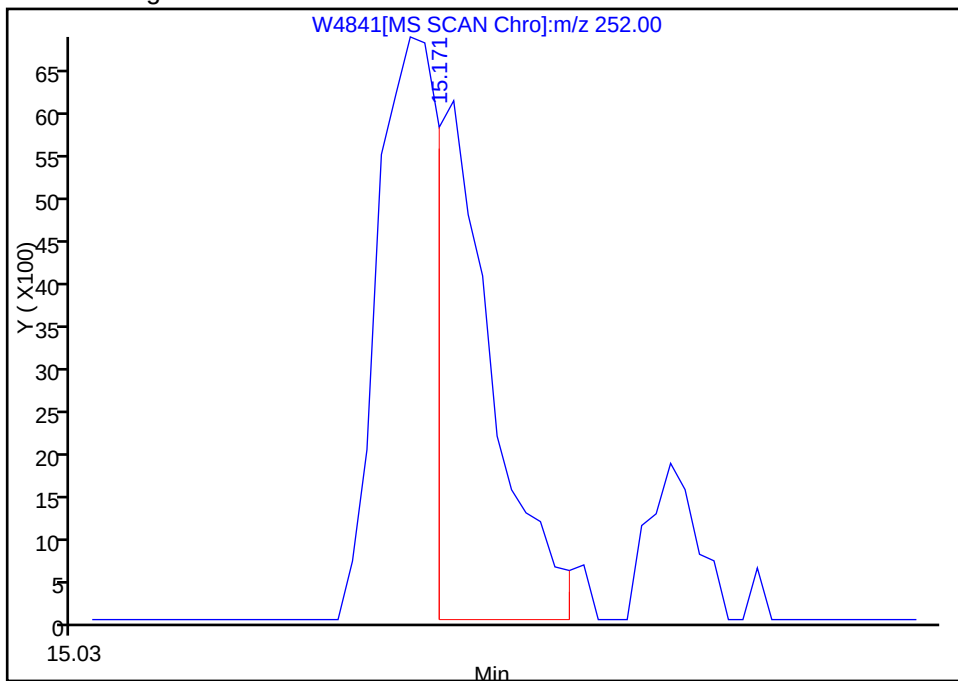
RT: 15.15
Response: 17928
Amount: 1.267102

Processing Integration Results



RT: 15.17
Response: 8969
Amount: 0.633905

Manual Integration Results



Reviewer: pfenderk, 09-Sep-2011 17:04:44

Audit Action: Split an Integrated Peak

Audit Reason: Coelution

Data File:

\\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4841.D

Injection Date: 08-Sep-2011 14:00:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B6 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 8

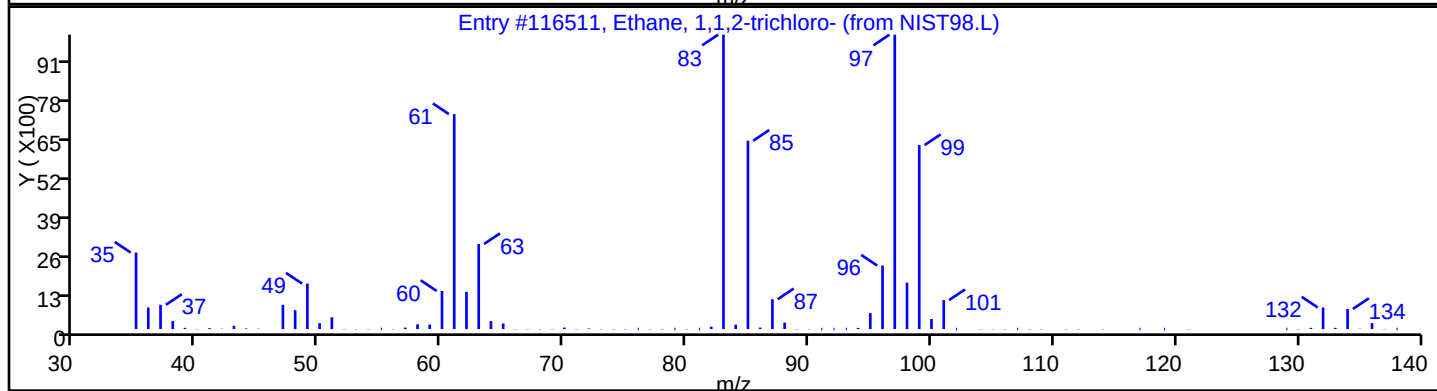
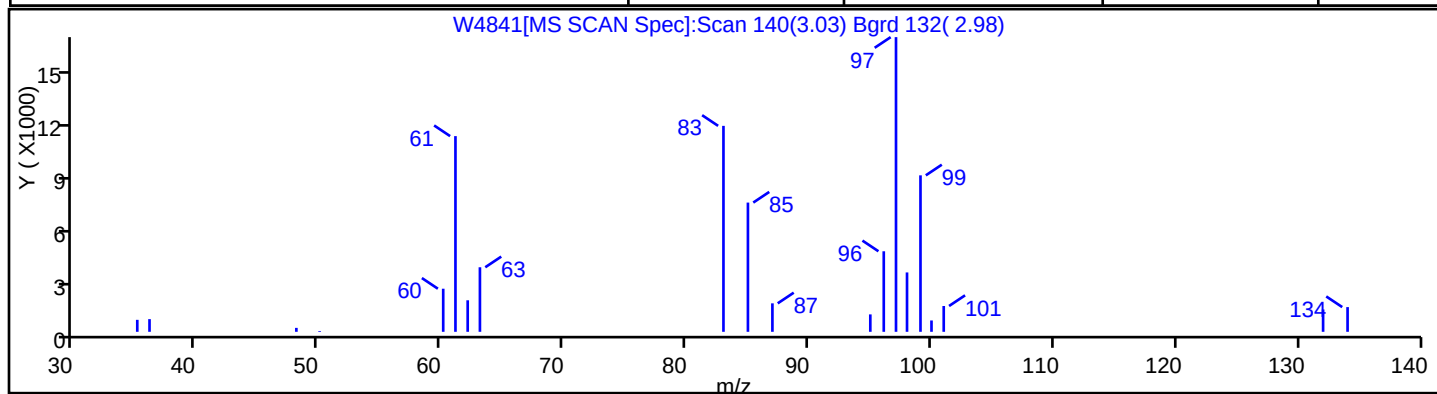
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Ethane, 1,1,2-trichloro-	79-0-5	NIST98.L	116511	90



Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4841.D

Injection Date: 08-Sep-2011 14:00:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B6 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 8

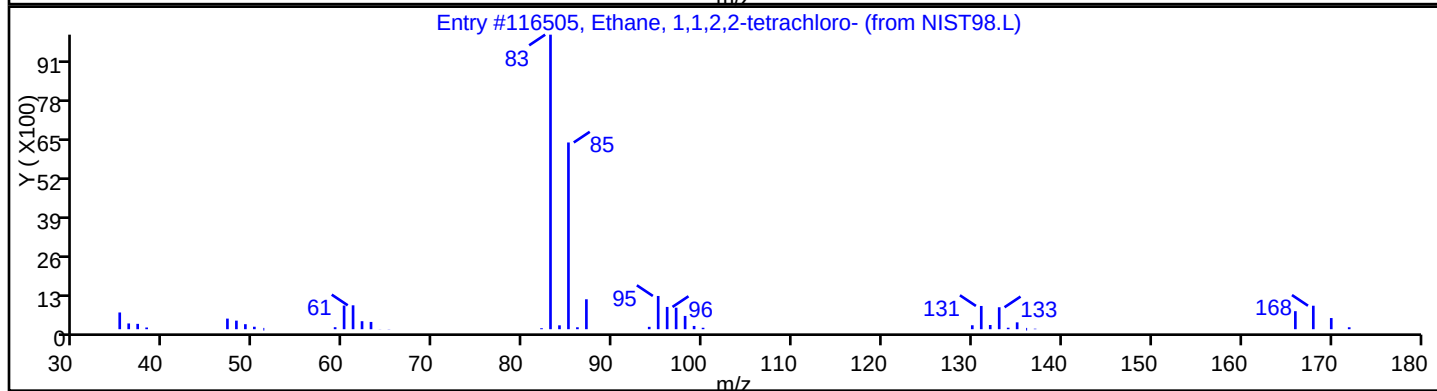
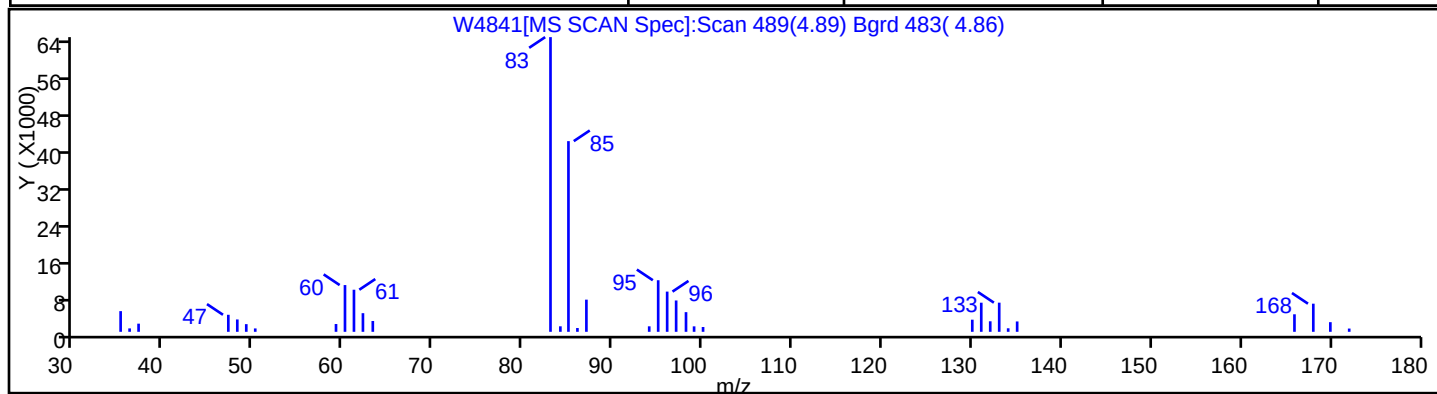
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Ethane, 1,1,2,2-tetrachloro-	79-34-5	NIST98.L	116505	97



Report Date: 09-Sep-2011 17:04:45

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4841.D

Injection Date: 08-Sep-2011 14:00:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B6 (5-9)

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 8

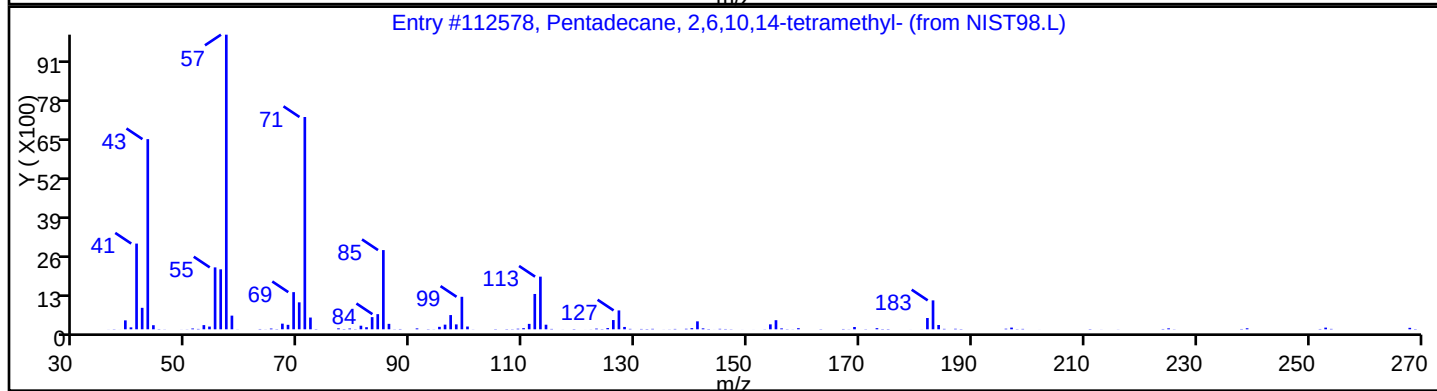
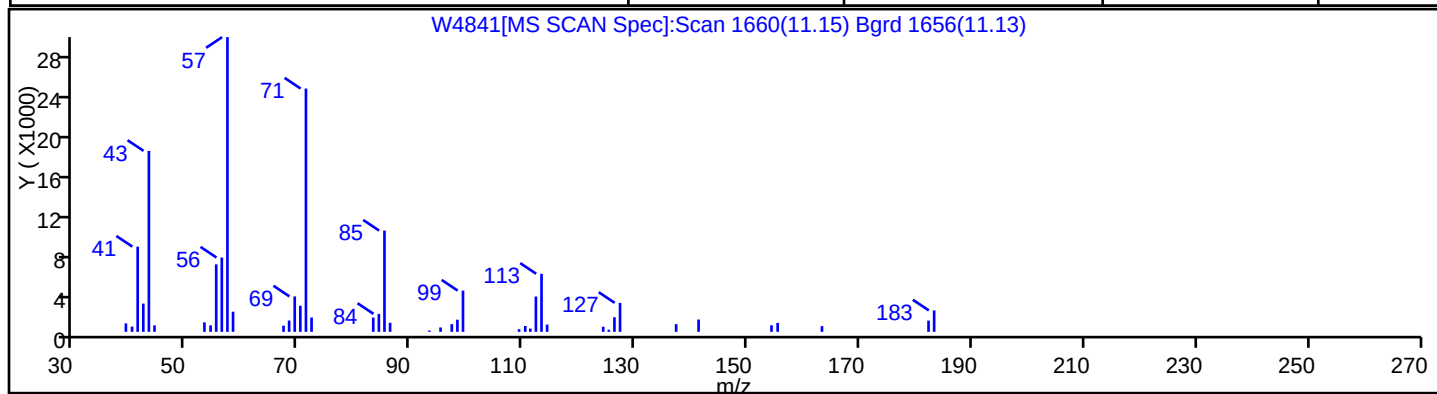
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Pentadecane, 2,6,10,14-tetramethyl-	1921-70-6	NIST98.L	112578	91



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-C3 (5-8)</u>	Lab Sample ID: <u>480-9503-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>V4926.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/06/2011 10:45</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/09/2011 09:45</u>
Sample wt/vol: <u>+30.79(g)</u>	Date Analyzed: <u>09/12/2011 12:19</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>15.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>30771</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		200	43
88-06-2	2,4,6-Trichlorophenol	ND		200	13
120-83-2	2,4-Dichlorophenol	ND		200	10
105-67-9	2,4-Dimethylphenol	ND		200	53
51-28-5	2,4-Dinitrophenol	ND		380	68
121-14-2	2,4-Dinitrotoluene	ND		200	30
606-20-2	2,6-Dinitrotoluene	ND		200	48
91-58-7	2-Chloronaphthalene	ND		200	13
95-57-8	2-Chlorophenol	ND		200	9.9
91-57-6	2-Methylnaphthalene	75	J	200	2.4
95-48-7	2-Methylphenol	ND		200	6.0
88-74-4	2-Nitroaniline	ND		380	63
88-75-5	2-Nitrophenol	ND		200	8.9
91-94-1	3,3'-Dichlorobenzidine	ND		200	170
99-09-2	3-Nitroaniline	ND		380	45
534-52-1	4,6-Dinitro-2-methylphenol	ND		380	67
101-55-3	4-Bromophenyl phenyl ether	ND		200	62
59-50-7	4-Chloro-3-methylphenol	ND		200	8.0
106-47-8	4-Chloroaniline	ND		200	57
7005-72-3	4-Chlorophenyl phenyl ether	ND		200	4.2
106-44-5	4-Methylphenol	ND		380	11
100-01-6	4-Nitroaniline	ND		380	22
100-02-7	4-Nitrophenol	ND		380	47
83-32-9	Acenaphthene	320		200	2.3
208-96-8	Acenaphthylene	84	J	200	1.6
98-86-2	Acetophenone	ND		200	10
120-12-7	Anthracene	510		200	5.0
1912-24-9	Atrazine	ND		200	8.7
100-52-7	Benzaldehyde	ND		200	21
56-55-3	Benzo(a)anthracene	1200		200	3.4
50-32-8	Benzo(a)pyrene	1200		200	4.7
205-99-2	Benzo(b)fluoranthene	1300		200	3.8
191-24-2	Benzo(g,h,i)perylene	810		200	2.3
207-08-9	Benzo(k)fluoranthene	620		200	2.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-C3 (5-8)</u>	Lab Sample ID: <u>480-9503-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>V4926.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/06/2011 10:45</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/09/2011 09:45</u>
Sample wt/vol: <u>+30.79(g)</u>	Date Analyzed: <u>09/12/2011 12:19</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>15.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>30771</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	24	J	200	12
108-60-1	bis (2-chloroisopropyl) ether	ND		200	20
111-91-1	Bis(2-chloroethoxy)methane	ND		200	11
111-44-4	Bis(2-chloroethyl)ether	ND		200	17
117-81-7	Bis(2-ethylhexyl) phthalate	ND		200	63
85-68-7	Butyl benzyl phthalate	ND		200	52
105-60-2	Caprolactam	ND		200	84
86-74-8	Carbazole	190	J	200	2.3
218-01-9	Chrysene	1200		200	1.9
53-70-3	Dibenz(a,h)anthracene	230		200	2.3
132-64-9	Dibenzofuran	160	J	200	2.0
84-66-2	Diethyl phthalate	ND		200	5.9
131-11-3	Dimethyl phthalate	ND		200	5.1
84-74-2	Di-n-butyl phthalate	ND		200	67
117-84-0	Di-n-octyl phthalate	ND		200	4.6
206-44-0	Fluoranthene	2900		200	2.8
86-73-7	Fluorene	160	J	200	4.5
118-74-1	Hexachlorobenzene	ND		200	9.7
87-68-3	Hexachlorobutadiene	ND		200	10
77-47-4	Hexachlorocyclopentadiene	ND		200	59
67-72-1	Hexachloroethane	ND		200	15
193-39-5	Indeno(1,2,3-cd)pyrene	700		200	5.4
78-59-1	Isophorone	ND		200	9.7
91-20-3	Naphthalene	ND		200	3.2
98-95-3	Nitrobenzene	ND		200	8.6
621-64-7	N-Nitrosodi-n-propylamine	ND		200	15
86-30-6	N-Nitrosodiphenylamine	ND		200	11
87-86-5	Pentachlorophenol	ND		380	67
85-01-8	Phenanthrene	2800		200	4.1
108-95-2	Phenol	ND		200	21
129-00-0	Pyrene	2300		200	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: SB-C3 (5-8) Lab Sample ID: 480-9503-1
Matrix: Solid Lab File ID: V4926.D
Analysis Method: 8270C Date Collected: 09/06/2011 10:45
Extract. Method: 3550B Date Extracted: 09/09/2011 09:45
Sample wt/vol: +30.79(g) Date Analyzed: 09/12/2011 12:19
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 15.6 GPC Cleanup: (Y/N) N
Analysis Batch No.: 30771 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	61		39-146
321-60-8	2-Fluorobiphenyl	97		37-120
367-12-4	2-Fluorophenol	78		18-120
4165-60-0	Nitrobenzene-d5	86		34-132
4165-62-2	Phenol-d5	92		11-120
1718-51-0	p-Terphenyl-d14	100		58-147

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

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-C3 (5-8)</u>	Lab Sample ID: <u>480-9503-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>V4926.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/06/2011 10:45</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/09/2011 09:45</u>
Sample wt/vol: <u>+30.79(g)</u>	Date Analyzed: <u>09/12/2011 12:19</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>15.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>30771</u>	Units: <u>ug/Kg</u>
Number TICs Found: <u>13</u>	TIC Result Total: <u>5420</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Voa Target	4.65	640	T J
	Unknown	12.06	360	T J
	Unknown	12.09	520	T J
	Unknown	12.17	500	T J
35465-71-5	2-Phenylnaphthalene	12.35	470	T J N
544-76-3	Hexadecane	13.61	160	T J N
82-5-3	7H-Benz[de]anthracen-7-one	13.70	150	T J N
629-78-7	Heptadecane	13.89	330	T J N
	Unknown alkane	14.16	240	T J
	Unknown	14.37	160	T J
	Unknown alkane	14.43	270	T J
	Unknown alkane	14.70	420	T J
	Unknown	15.22	1200	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\4926.D
 Lims ID: 480-9503-E-1-A Client ID: SB-C3 (5-8)
 Inject. Date: 12-Sep-2011 12:19:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0005869-015
 Misc. Info.: 480-9503-E-1-A
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 30771 Lims Sample ID: 15
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\8270.m
 Last Update: 13-Sep-2011 10:02:39 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 13-Sep-2011 10:02:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.856	5.856	0.0	95	99343	40.0	
* 2 Naphthalene-d8	136	7.571	7.571	0.0	99	398859	40.0	
* 3 Acenaphthene-d10	164	9.846	9.847	-0.001	91	231453	40.0	
* 4 Phenanthrene-d10	188	11.545	11.545	0.0	97	370554	40.0	
* 5 Chrysene-d12	240	14.024	14.024	0.0	97	391480	40.0	
* 6 Perylene-d12	264	15.328	15.322	0.006	98	472514	40.0	
\$ 9 2-Fluorophenol	112	4.002	4.002	0.0	92	365898	117.6	
\$ 10 Phenol-d5	99	5.364	5.364	0.0	88	543556	138.0	
\$ 11 Nitrobenzene-d5	82	6.609	6.609	0.0	88	341555	85.6	
\$ 12 2-Fluorobiphenyl	172	8.992	8.992	0.0	100	715485	96.7	
\$ 13 2,4,6-Tribromophenol	330	10.797	10.792	0.005	93	70118	90.9	
\$ 14 p-Terphenyl-d14	244	13.089	13.089	0.0	97	846257	100.1	
88 Benzaldehyde	77		5.231					
89 Phenol	94		5.386					
91 Bis(2-chloroethyl)ether	93		5.487					
93 2-Chlorophenol	128		5.567					
98 2-Methylphenol	108		6.225					
99 2,2'-oxybis[1-chloropropane]	45		6.251					
104 Acetophenone	105		6.406					
101 N-Nitrosodi-n-propylamine	70		6.422					
102 4-Methylphenol	108		6.438					
106 Hexachloroethane	117		6.550					
107 Nitrobenzene	77		6.636					
110 Isophorone	82		6.962					
111 2-Nitrophenol	139		7.069					
112 2,4-Dimethylphenol	107		7.154					
115 Bis(2-chloroethoxy)methane	93		7.266					
117 2,4-Dichlorophenol	162		7.400					
121 Naphthalene	128		7.597					
123 4-Chloroaniline	127		7.678					
126 Hexachlorobutadiene	225		7.795					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113		8.089					
131 4-Chloro-3-methylphenol	107		8.340					
133 2-Methylnaphthalene	142	8.511	8.511	0.0	39	13062	1.94	
136 Hexachlorocyclopentadiene	237		8.735					
139 2,4,6-Trichlorophenol	196		8.885					
140 2,4,5-Trichlorophenol	196		8.933					
144 1,1'-Biphenyl	154	9.115	9.115	0.0	9	5343	0.6232	
143 2-Chloronaphthalene	162		9.136					
145 2-Nitroaniline	65		9.270					
147 Dimethyl phthalate	163		9.521					
148 2,6-Dinitrotoluene	165		9.585					
149 Acenaphthylene	152	9.665	9.660	0.005	70	21935	2.19	
150 3-Nitroaniline	138		9.798					
151 Acenaphthene	153	9.884	9.889	-0.005	90	52073	8.31	
152 2,4-Dinitrophenol	184		9.927					
153 4-Nitrophenol	109		10.034					
154 2,4-Dinitrotoluene	165		10.092					
155 Dibenzofuran	168	10.103	10.103	0.0	74	37289	4.09	
160 Diethyl phthalate	149		10.397					
161 Fluorene	166	10.509	10.514	-0.005	82	30605	4.10	
162 4-Chlorophenyl phenyl ether	204		10.520					
164 4-Nitroaniline	138		10.541					
166 4,6-Dinitro-2-methylphenol	198		10.584					
167 N-Nitrosodiphenylamine	169		10.659					
176 4-Bromophenyl phenyl ether	248		11.075					
177 Hexachlorobenzene	284		11.155					
180 Atrazine	200		11.262					
181 Pentachlorophenol	266		11.364					
185 Phenanthrene	178	11.572	11.572	0.0	96	709526	71.5	
188 Anthracene	178	11.625	11.626	-0.001	95	132171	13.2	
189 Carbazole	167	11.791	11.796	-0.005	72	45727	4.91	
192 Di-n-butyl phthalate	149	12.144	12.149	-0.005	67	6263	0.5599	
197 Fluoranthene	202	12.747	12.747	0.0	97	804262	75.3	
199 Pyrene	202	12.956	12.956	0.0	97	737143	59.7	
205 Butyl benzyl phthalate	149		13.517					
208 3,3'-Dichlorobenzidine	252		13.987					
210 Bis(2-ethylhexyl) phthalate	149	14.003	14.008	-0.005	67	13357	1.61	
209 Benzo[a]anthracene	228	14.019	14.019	0.0	98	352533	30.9	
211 Chrysene	228	14.051	14.051	0.0	87	354659	32.0	
212 Di-n-octyl phthalate	149		14.542					
213 Benzo[b]fluoranthene	252	14.964	14.959	0.005	95	466325	34.0	M
214 Benzo[k]fluoranthene	252	14.975	14.986	-0.011	98	233013	16.2	M
217 Benzo[a]pyrene	252	15.274	15.274	0.0	74	357017	31.0	
219 Indeno[1,2,3-cd]pyrene	276	16.476	16.476	0.0	97	255533	18.3	
220 Dibenz(a,h)anthracene	278	16.476	16.482	-0.006	1	70790	6.04	
221 Benzo[g,h,i]perylene	276	16.807	16.808	-0.001	92	233479	21.0	

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\4926.D
 Lims ID: 480-9503-E-1-A Client ID: SB-C3 (5-8)
 Inject. Date: 12-Sep-2011 12:19:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0005869-015
 Misc. Info.: 480-9503-E-1-A
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 30771 Lims Sample ID: 15
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\8270.m
 Last Update: 13-Sep-2011 10:02:39 Calib Date: 08-Sep-2011 10:41:30
 Tic RT Window: 1.500 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\Bufchrom\ChromData\Database\NIST98.L
 Min. Match: 85
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 13-Sep-2011 10:02:39

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
	Voa Target					
4.654	262325	16.6	1	0	0	
	Unknown					
12.063	228365	9.46	4	0	0	
	Unknown					
12.090	328369	13.6	4	0	0	
	Unknown					
12.170	310899	12.9	4			
	35465-71-5 2-Phenylnaphthalene					
12.352	292950	12.1	4	93	84108	
	544-76-3 Hexadecane					
13.607	247562	4.05	5	93	112410	
	82-5-3 7H-Benz[de]anthracen-7-one					
13.704	246040	4.02	5	90	127135	
	629-78-7 Heptadecane					
13.885	527636	8.62	5	92	112320	
	Unknown alkane					
14.158	383347	6.27	5	0	0	
	Unknown					
14.366	259636	4.24	5	0	0	
	Unknown alkane					
14.425	427825	6.99	5	0	0	
	Unknown alkane					
14.703	264877	10.8	6	0	0	

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags

15.221	789663	32.3	6	0	0	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL

* 1 1,4-Dichlorobenzene-d4	5.856	630552	40.0
* 4 Phenanthrene-d10	11.545	965410	40.0
* 5 Chrysene-d12	14.024	2447202	40.0
* 6 Perylene-d12	15.328	977935	40.0

QC Flag Legend

Processing Flags

Report Date: 13-Sep-2011 10:02:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File:

\\Bufchrom\ChromData\HP5973V\20110912-5869.b\4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

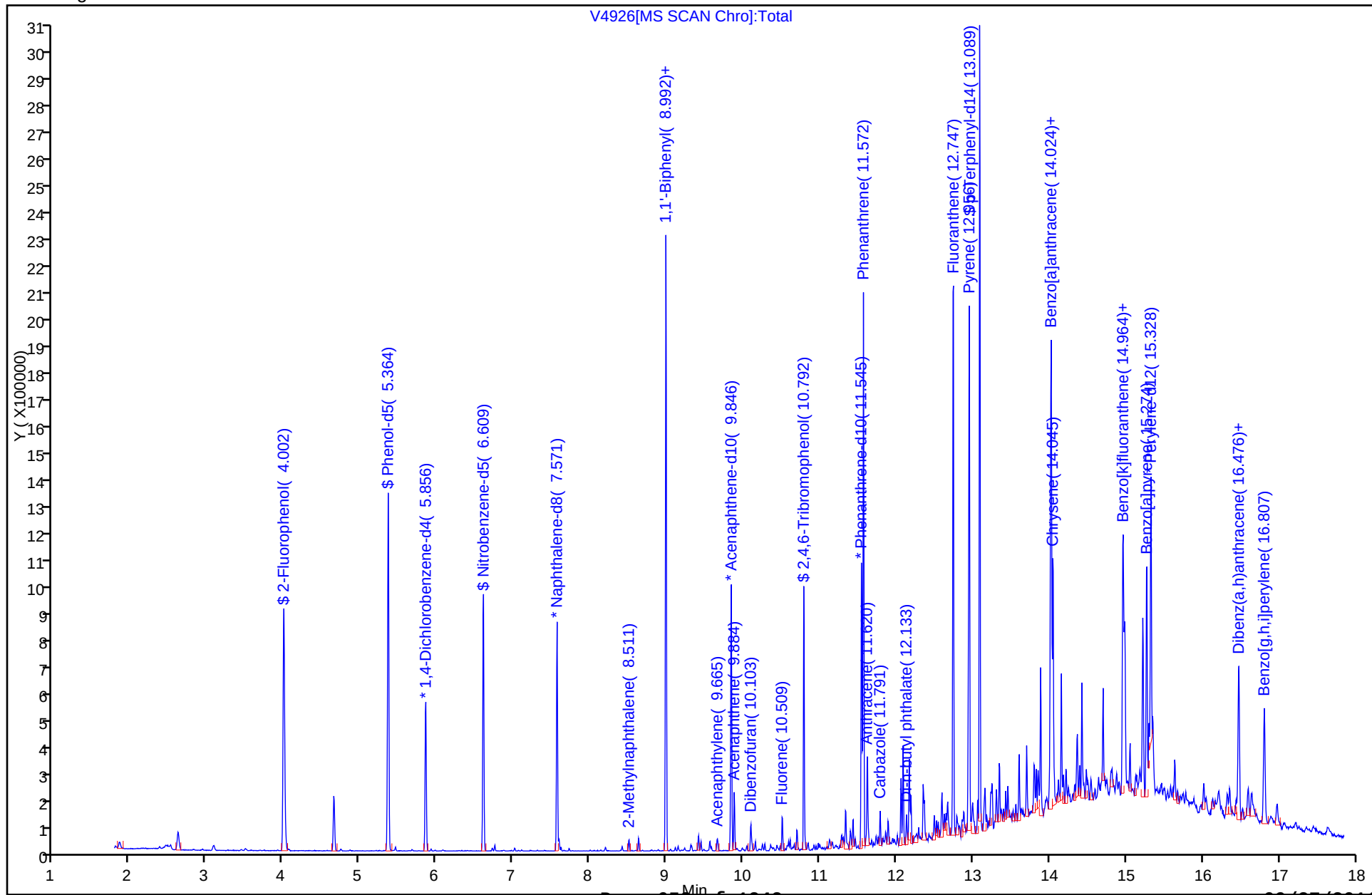
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



Report Date: 13-Sep-2011 10:02:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

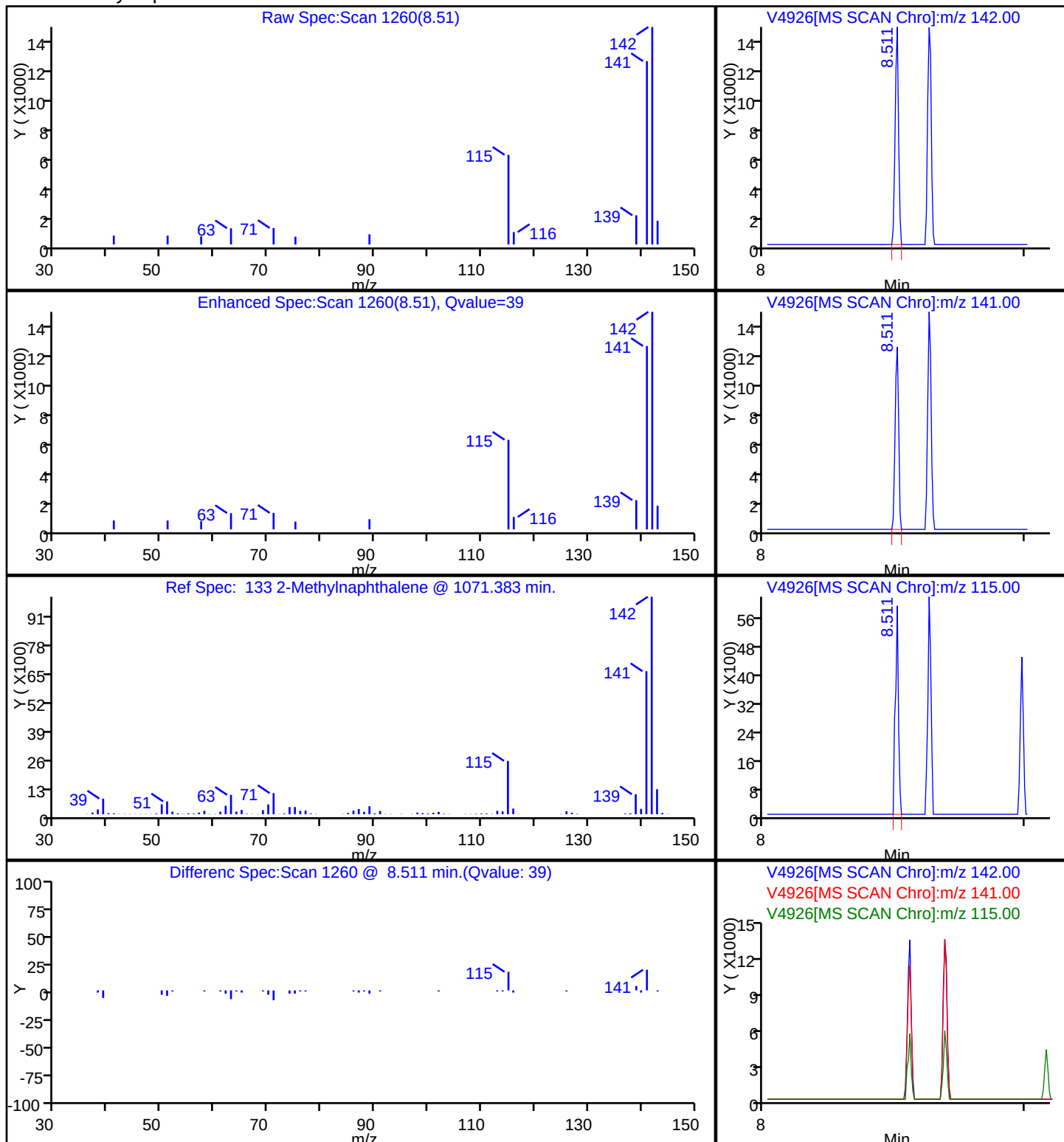
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

133 2-Methylnaphthalene



Report Date: 13-Sep-2011 10:02:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

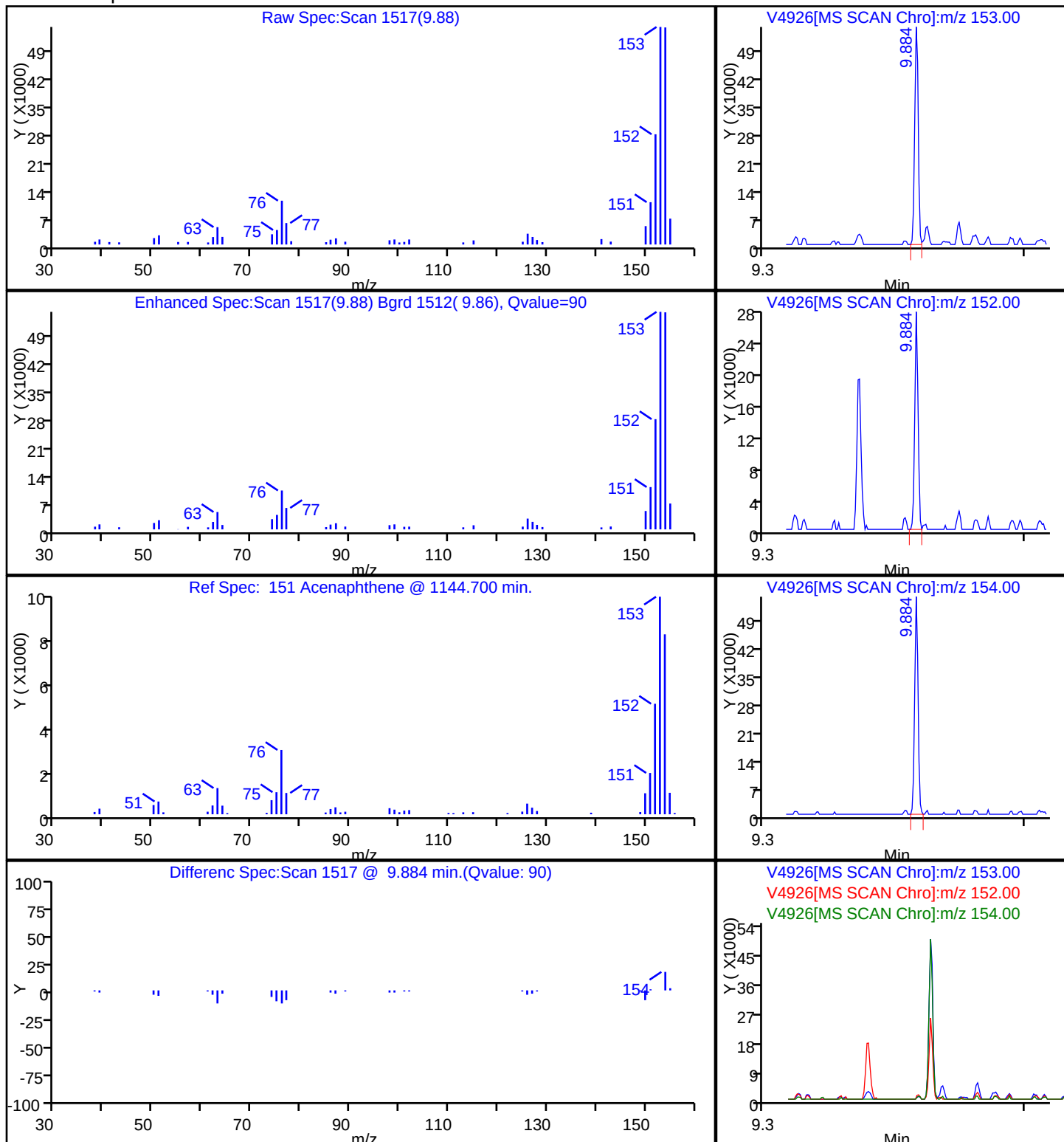
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

151 Acenaphthene



Report Date: 13-Sep-2011 10:02:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

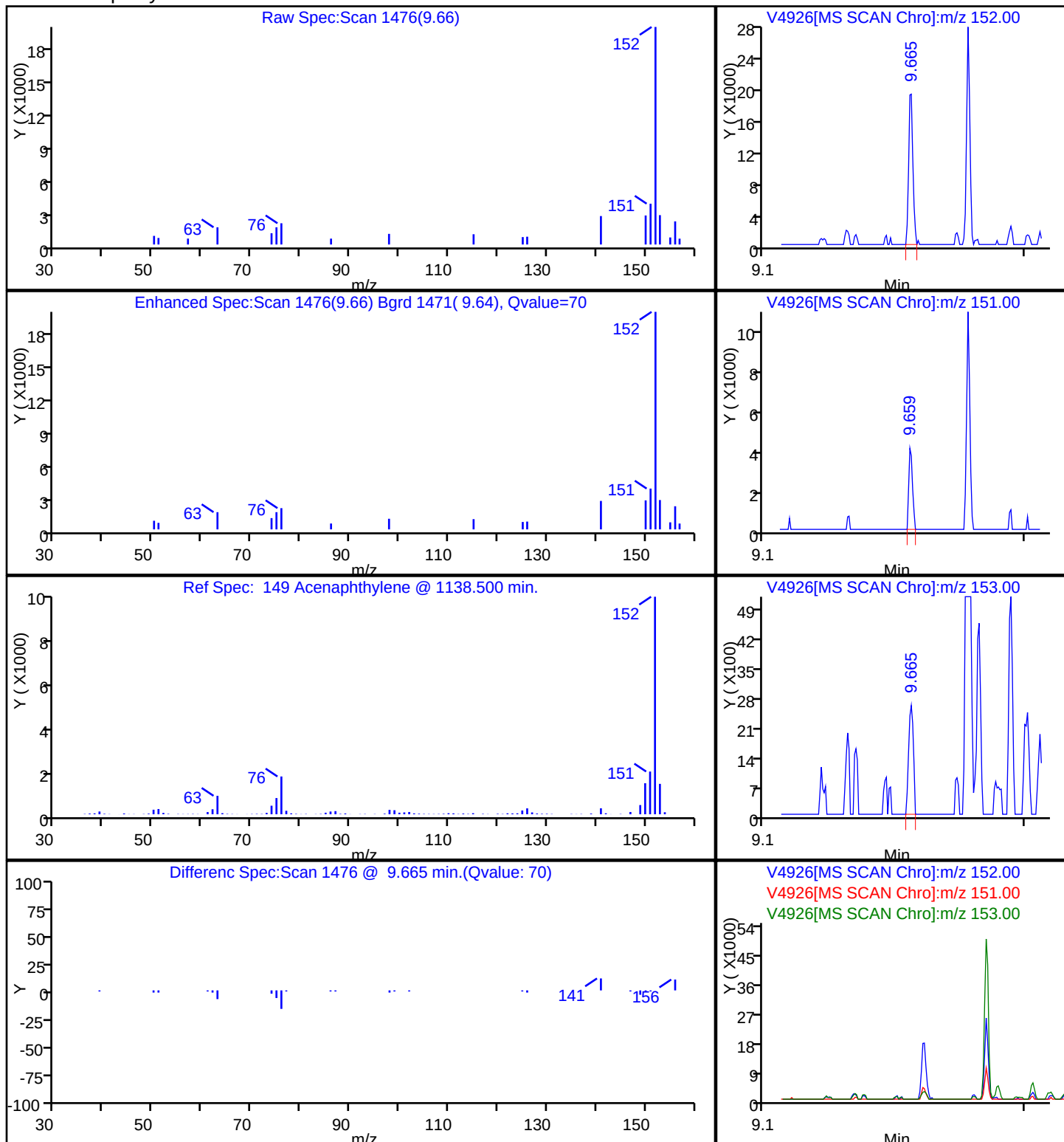
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

149 Acenaphthylene



Report Date: 13-Sep-2011 10:02:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

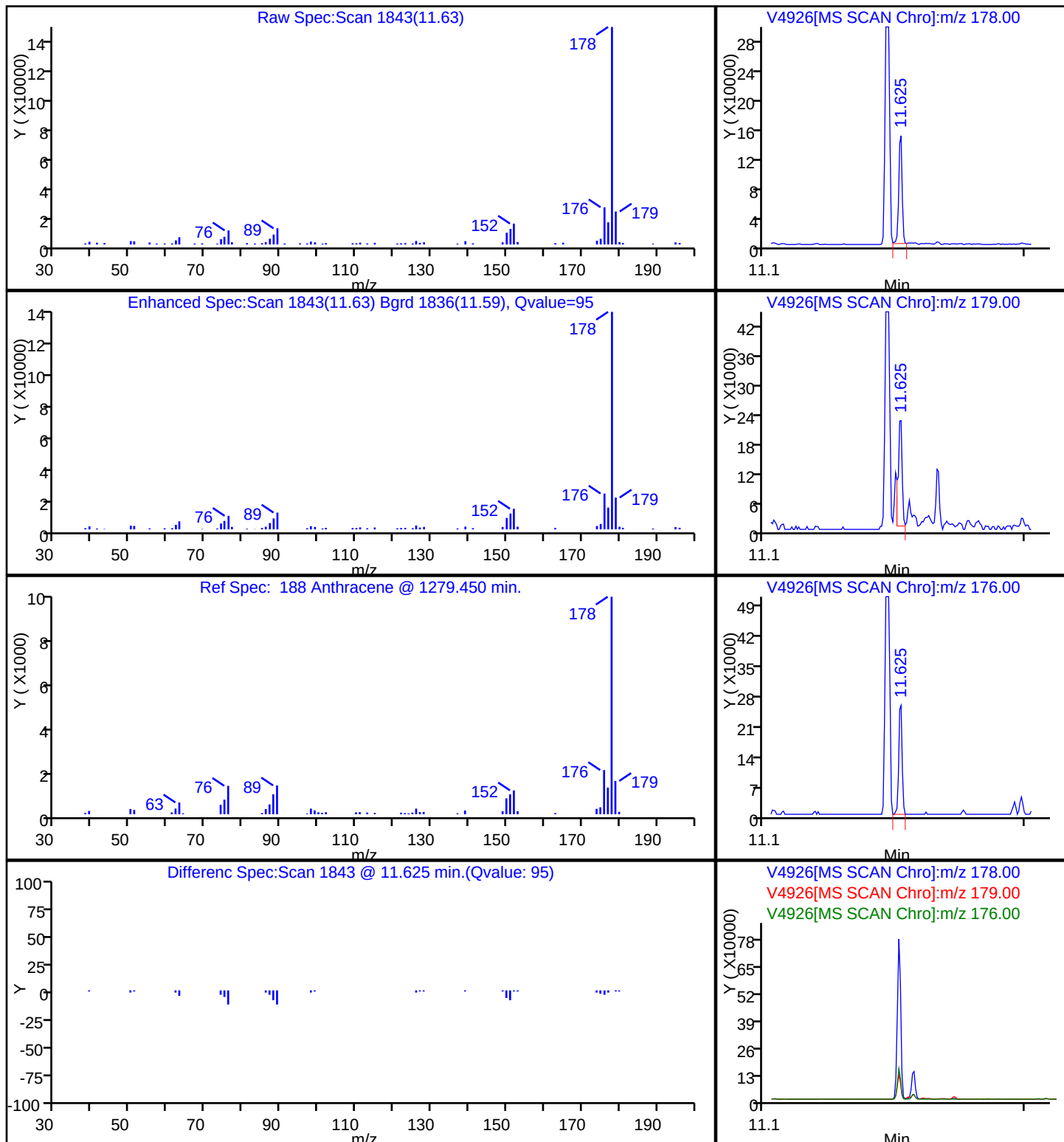
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

188 Anthracene



Report Date: 13-Sep-2011 10:02:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

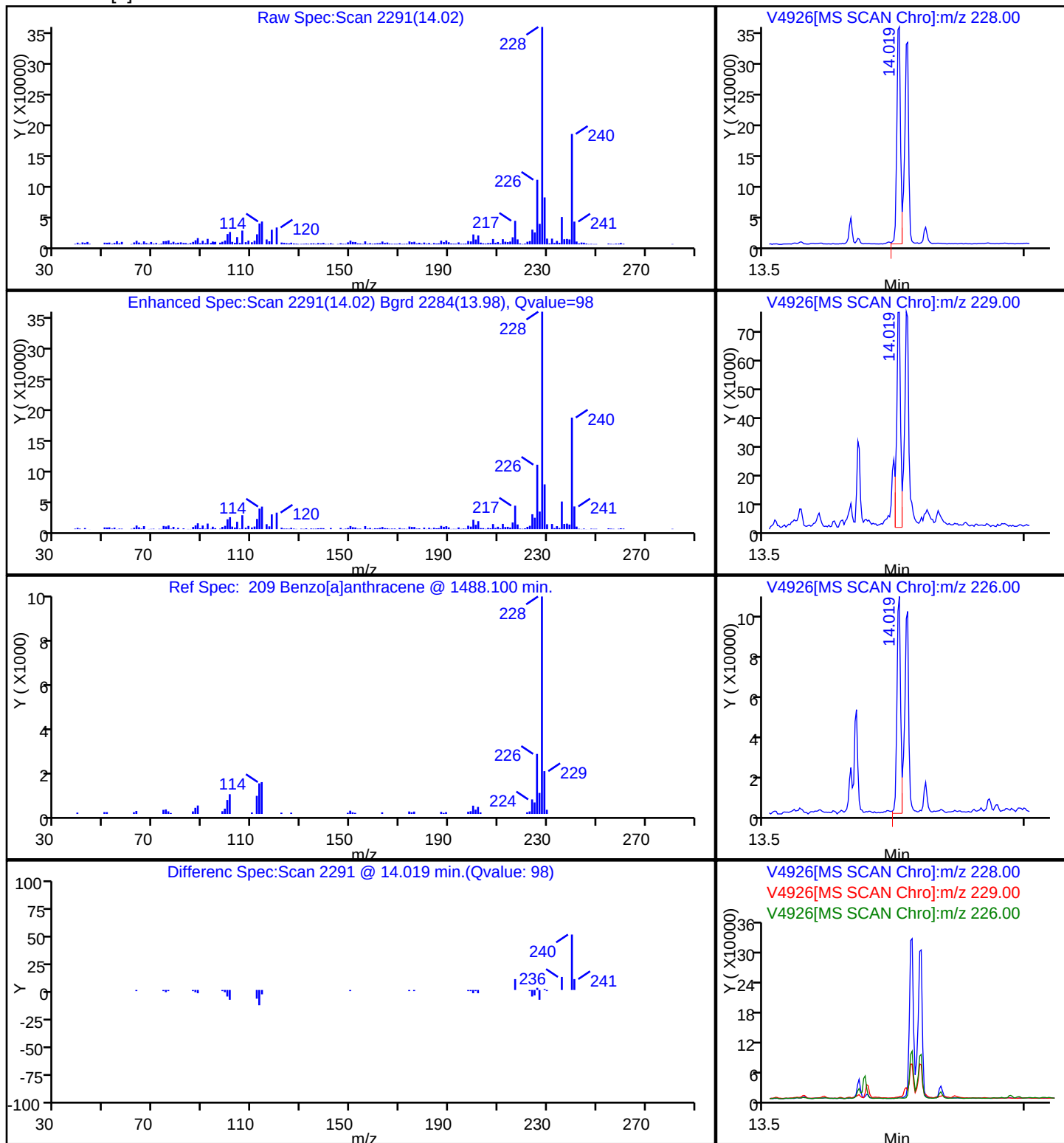
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

209 Benzo[a]anthracene



Report Date: 13-Sep-2011 10:02:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

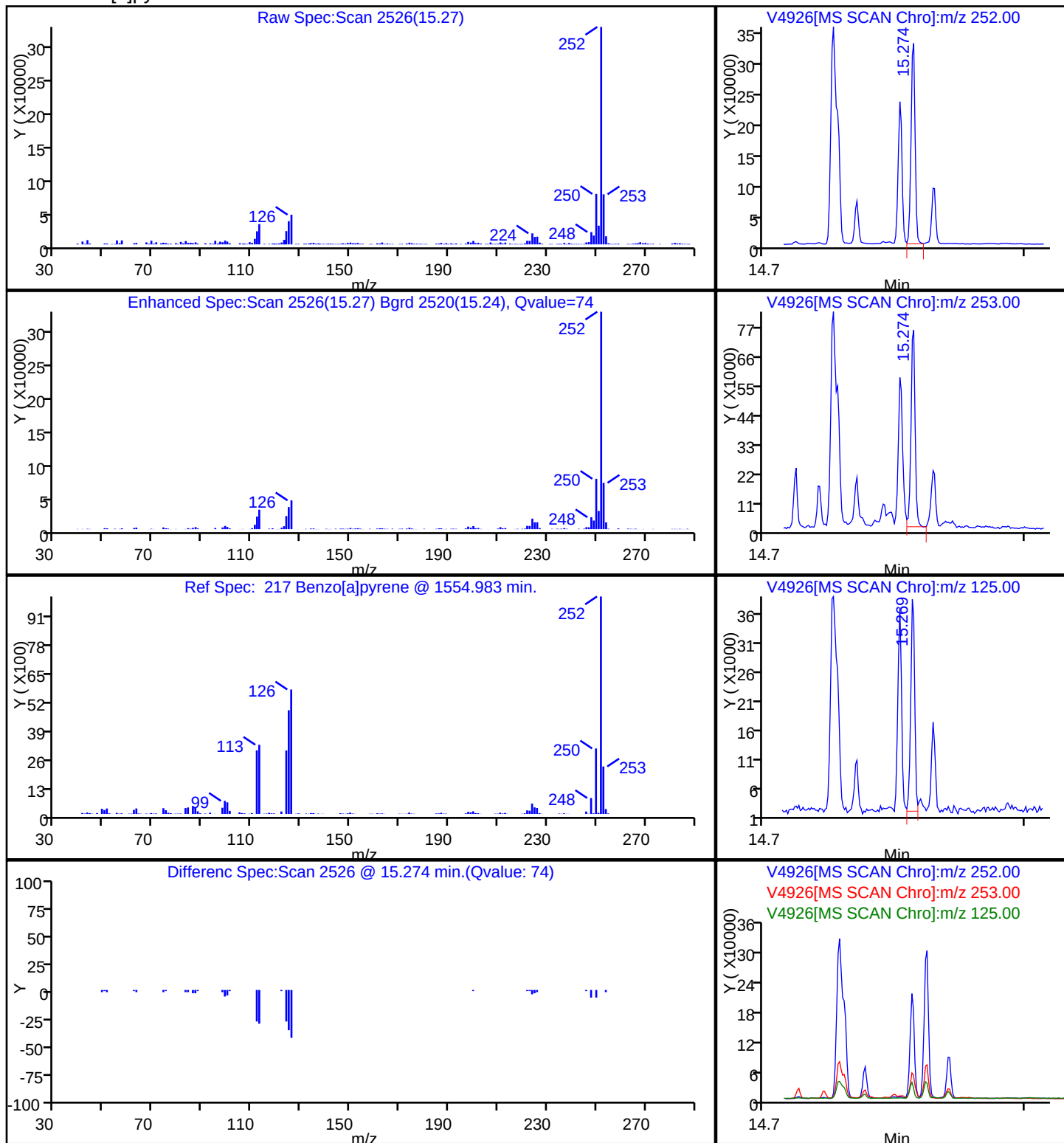
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

217 Benzo[a]pyrene



Report Date: 13-Sep-2011 10:02:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

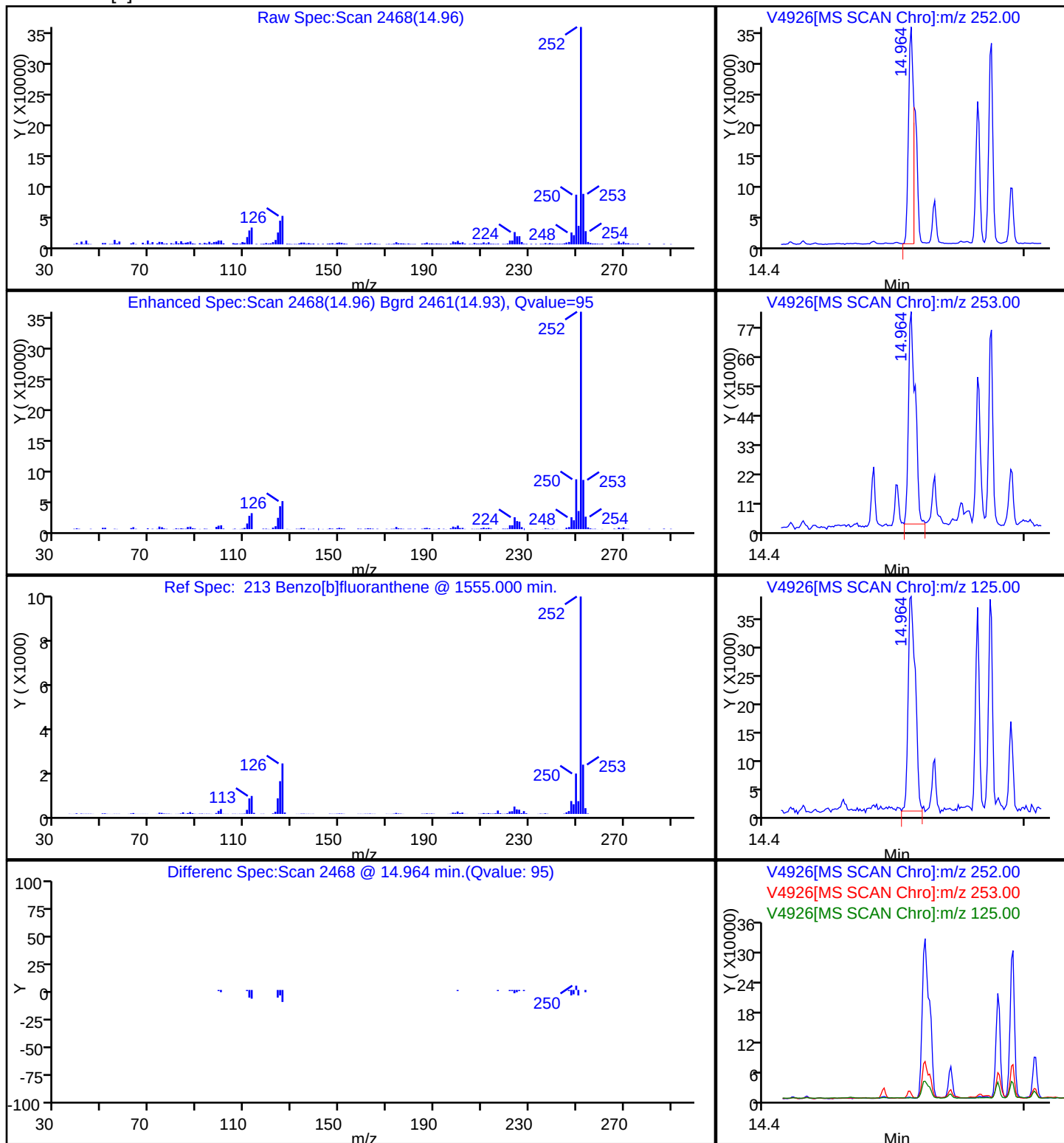
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

213 Benzo[b]fluoranthene



Report Date: 13-Sep-2011 10:02:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

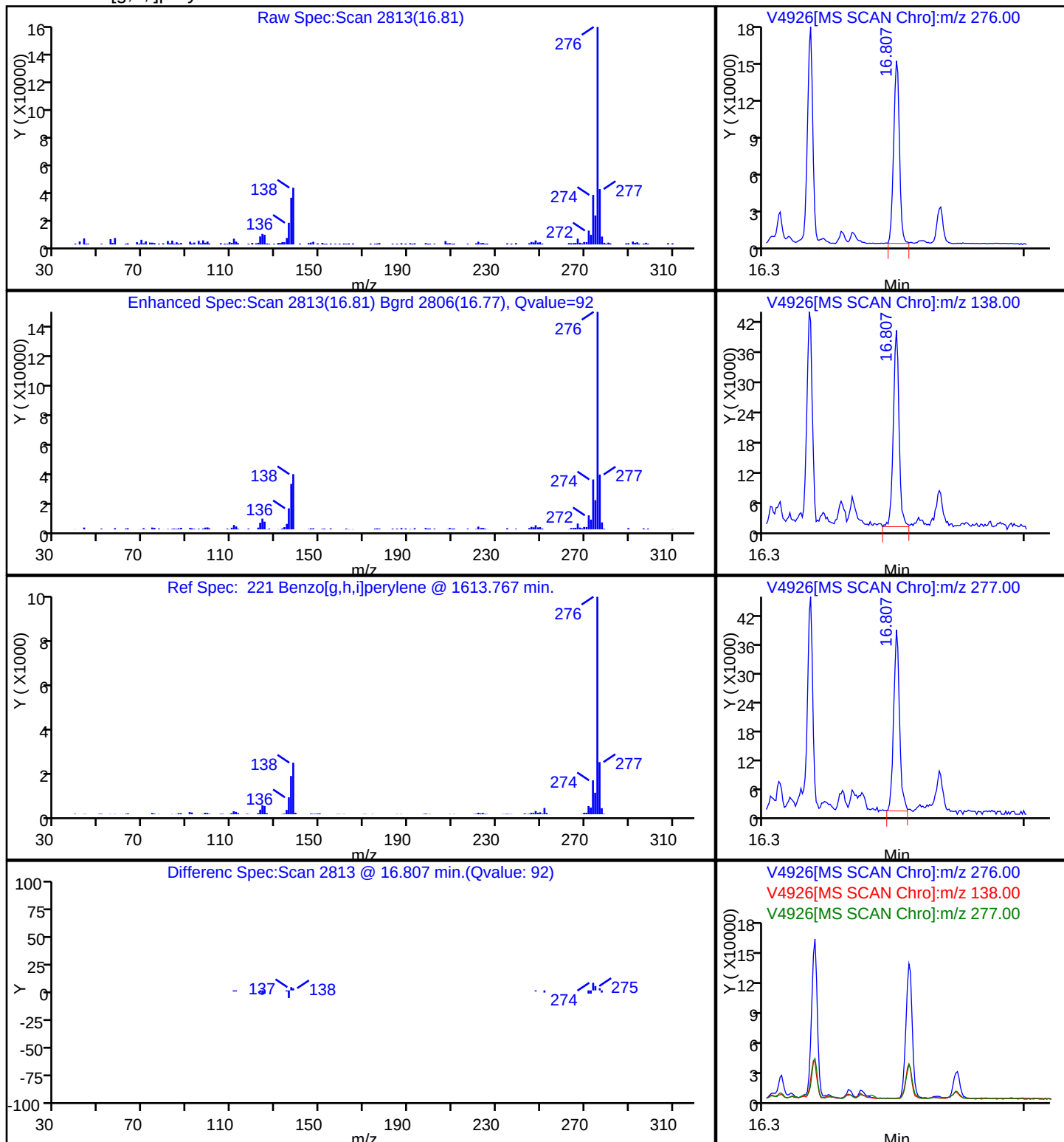
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

221 Benzo[g,h,i]perylene



Report Date: 13-Sep-2011 10:02:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

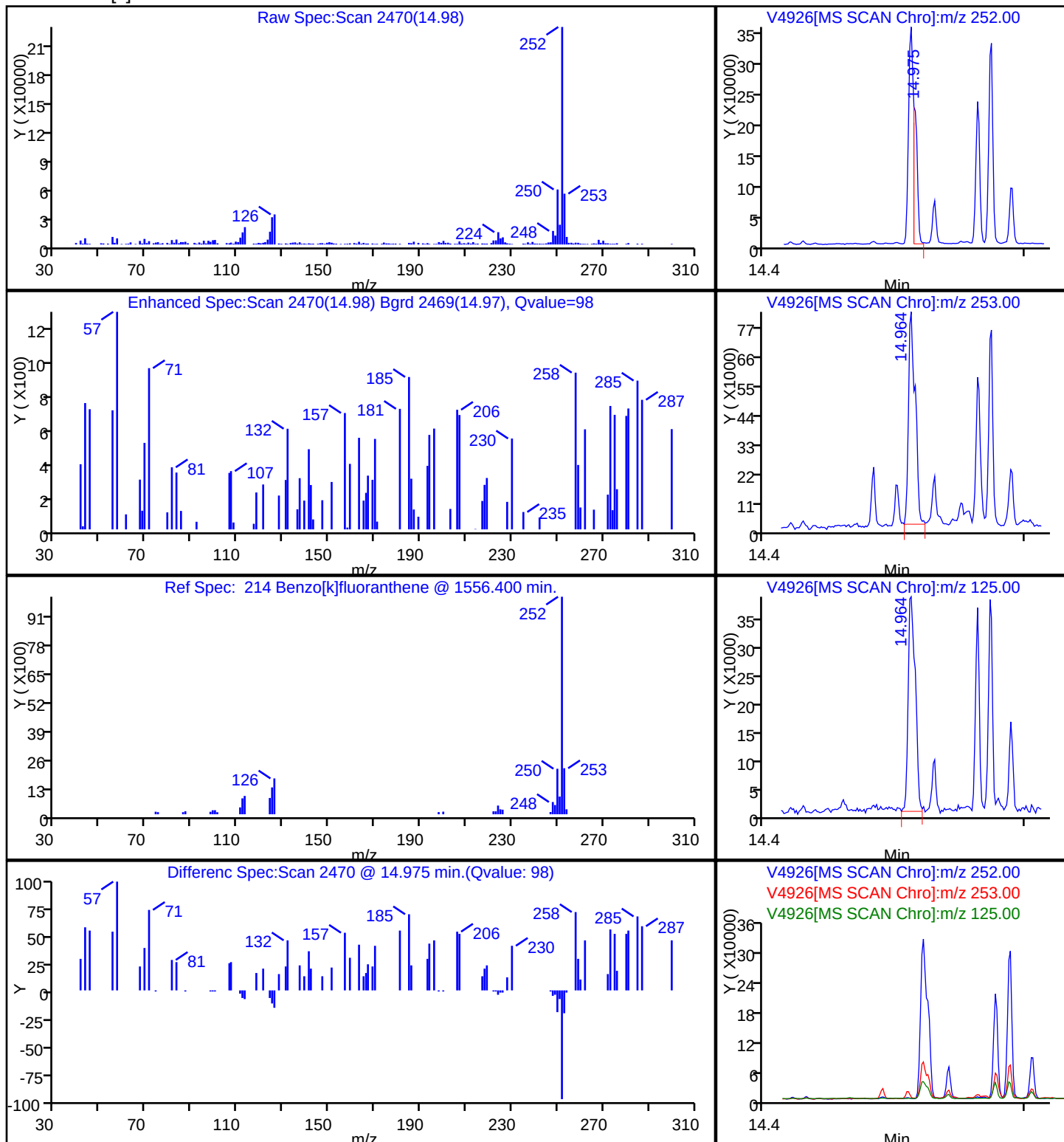
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

214 Benzo[k]fluoranthene



Report Date: 13-Sep-2011 10:02:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

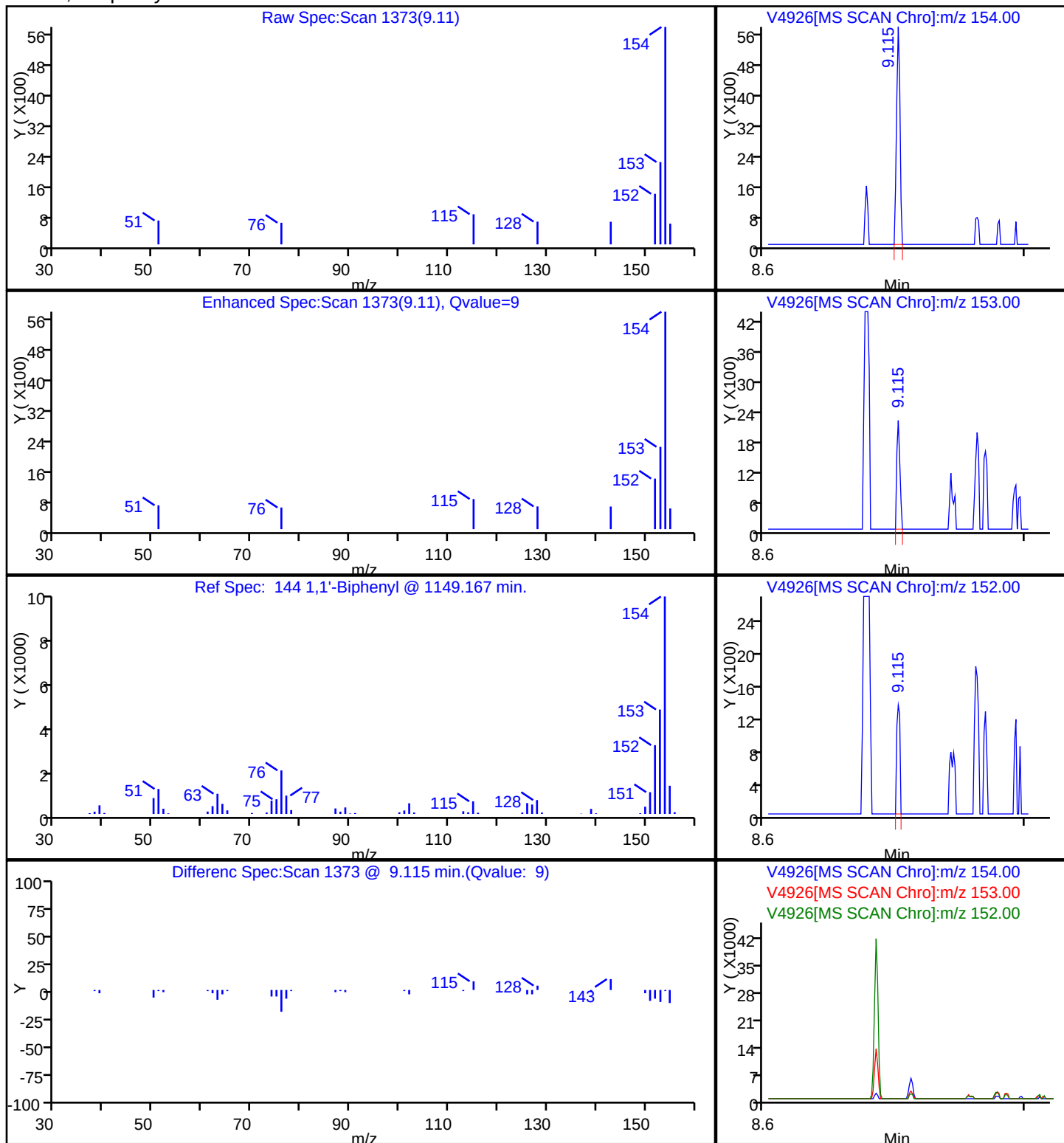
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

144 1,1'-Biphenyl



Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

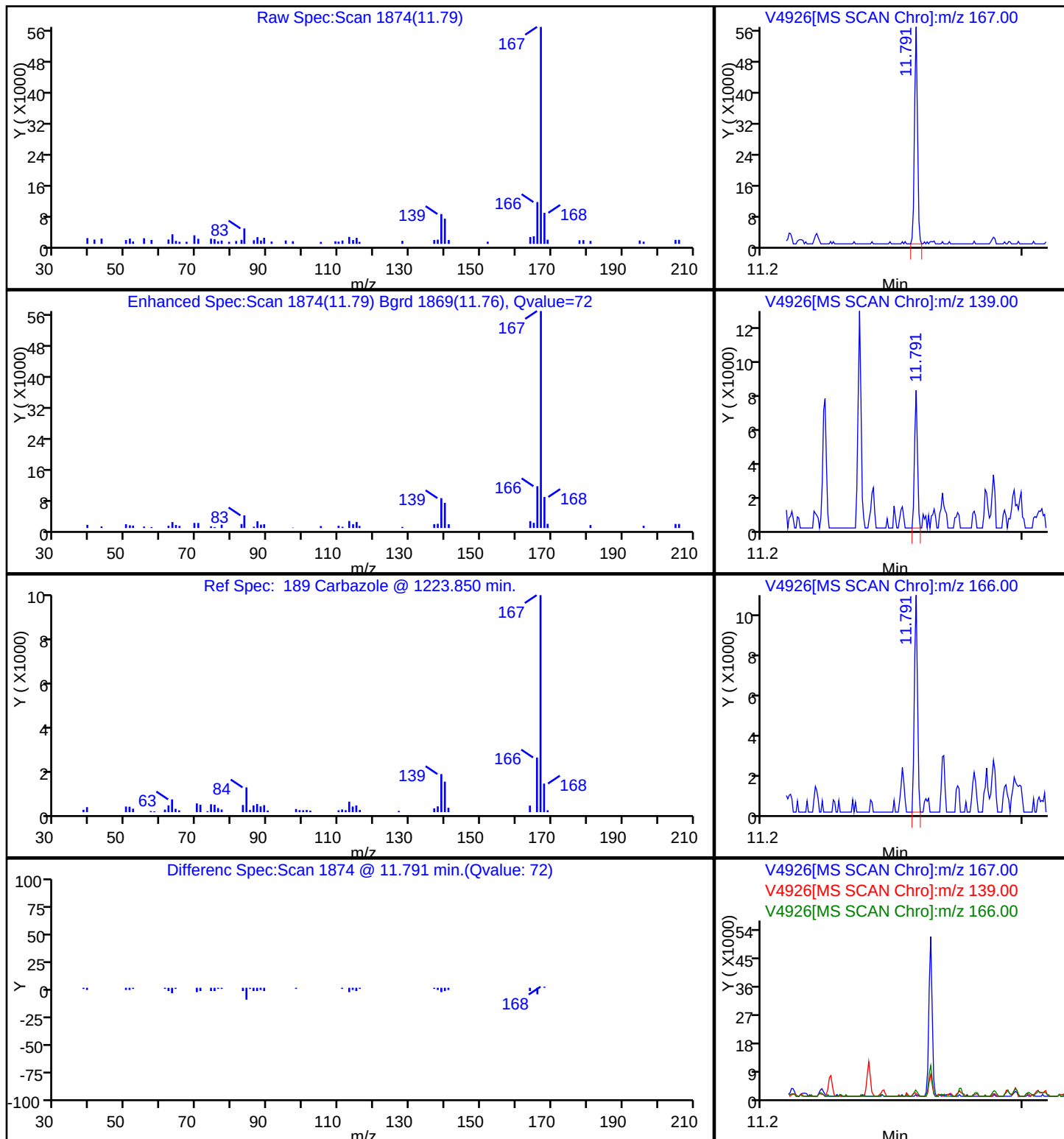
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

189 Carbazole



Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

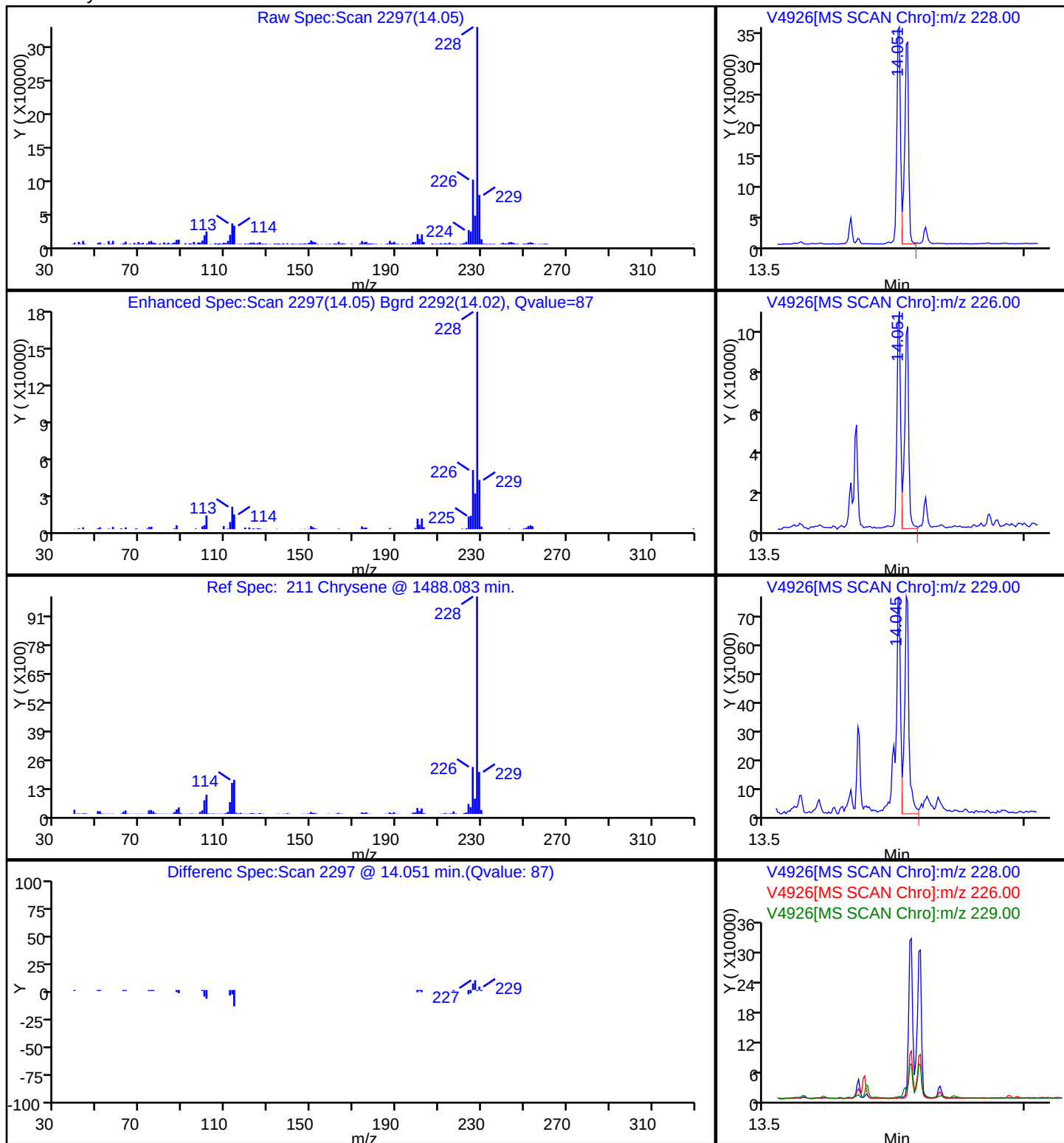
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

211 Chrysene



Report Date: 13-Sep-2011 10:02:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

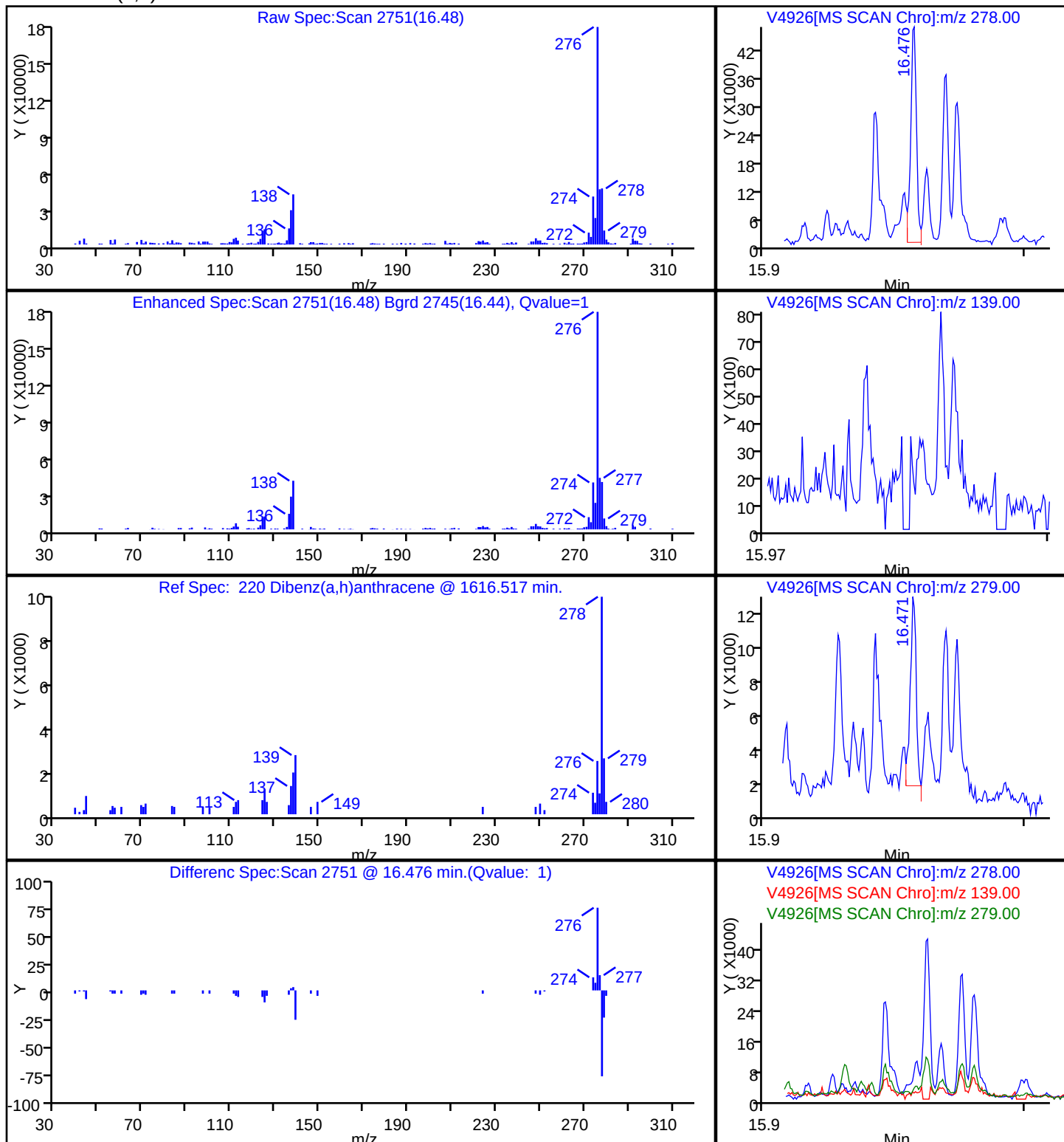
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

220 Dibenz(a,h)anthracene



Report Date: 13-Sep-2011 10:02:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

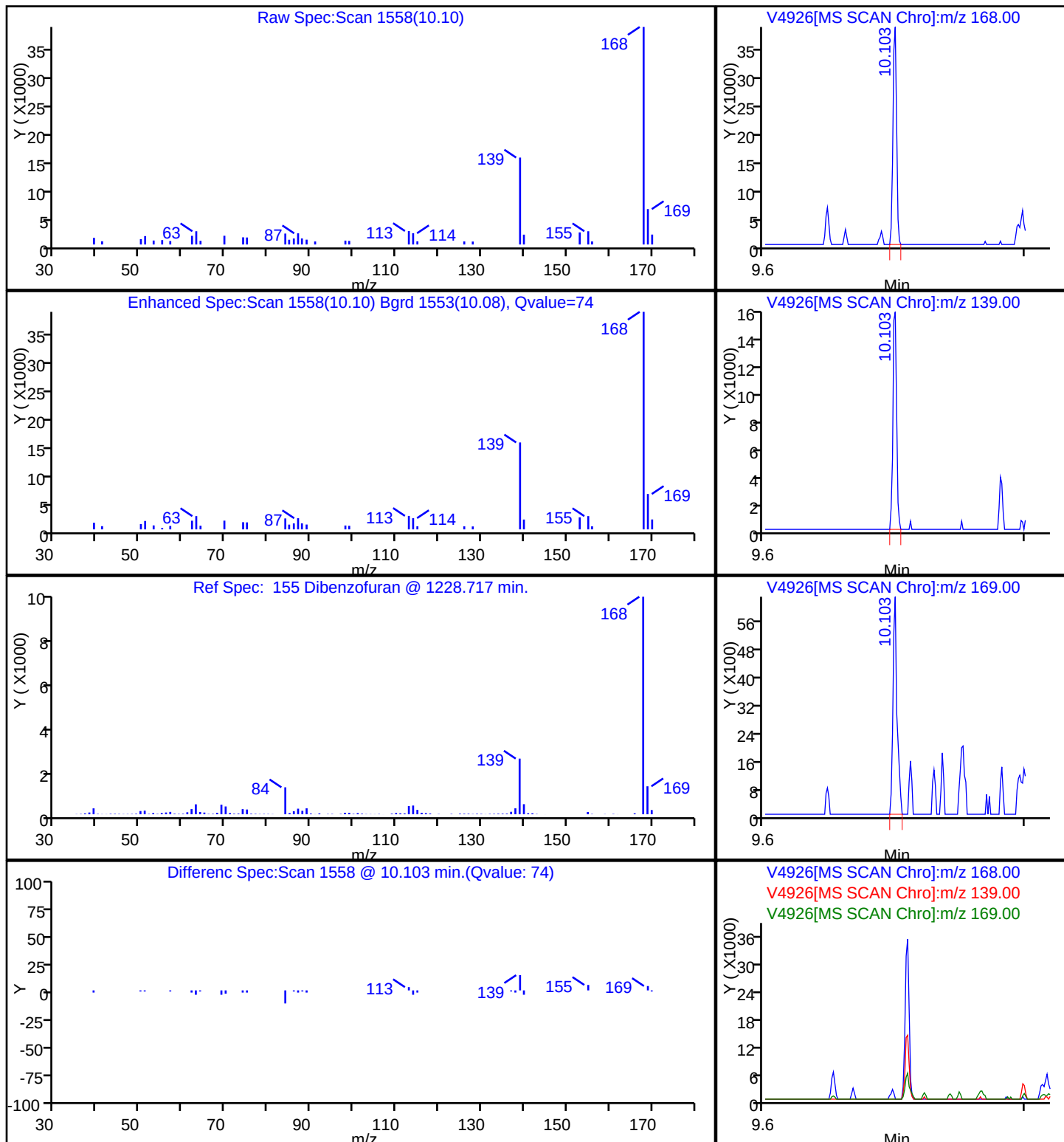
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

155 Dibenzofuran



Report Date: 13-Sep-2011 10:02:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

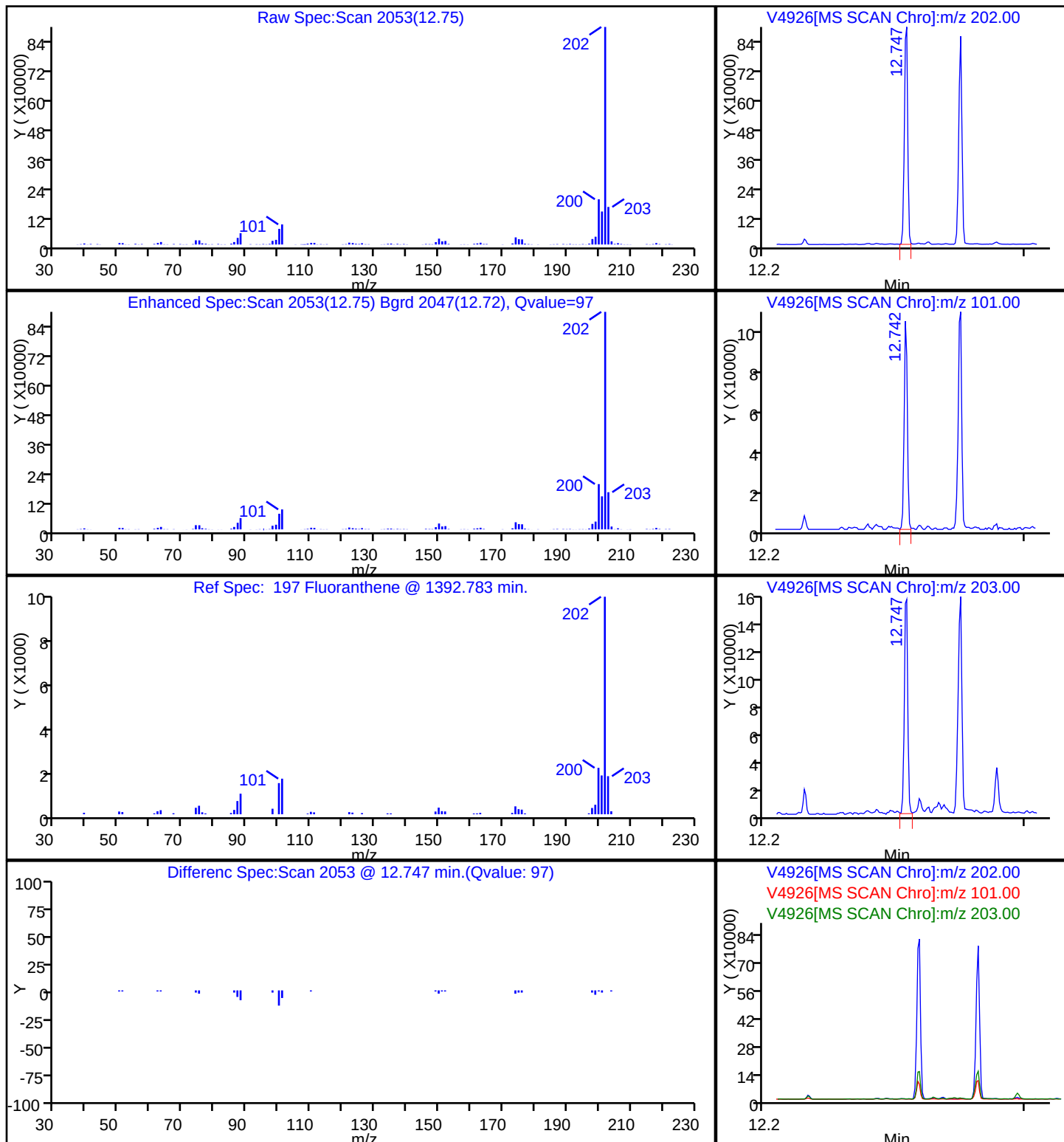
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

197 Fluoranthene



Report Date: 13-Sep-2011 10:02:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

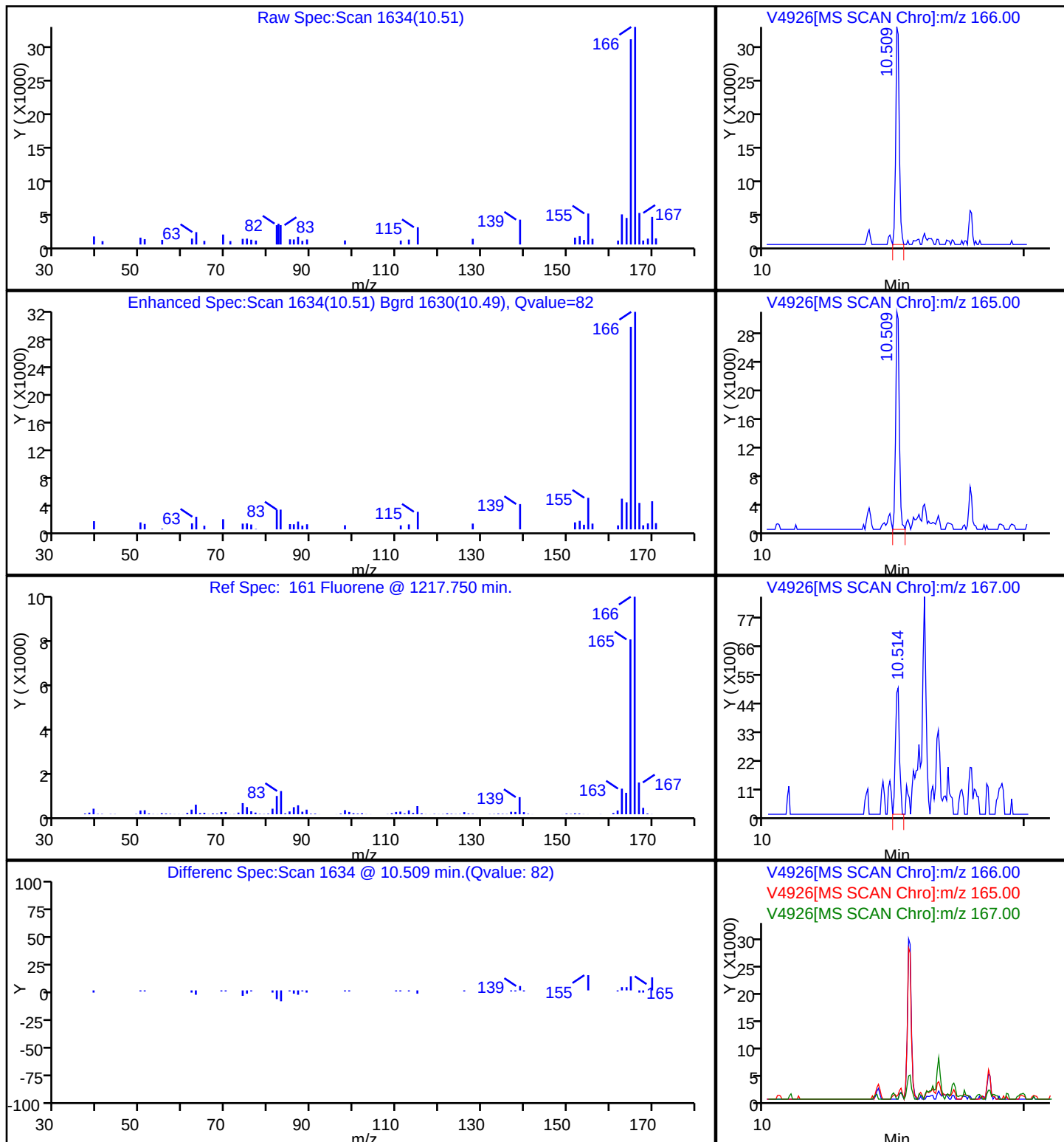
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

161 Fluorene



Report Date: 13-Sep-2011 10:02:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

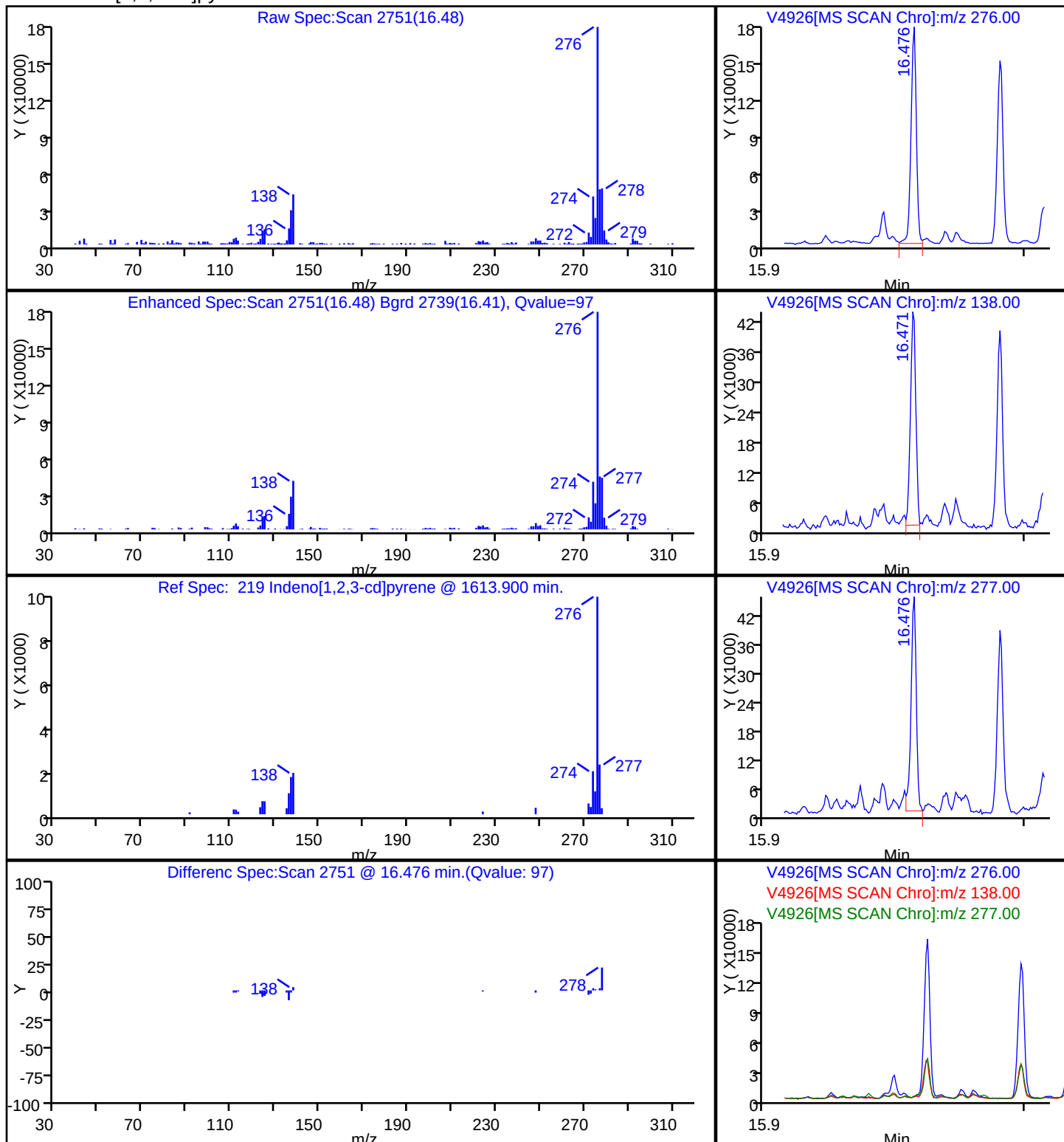
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

219 Indeno[1,2,3-cd]pyrene



Report Date: 13-Sep-2011 10:02:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

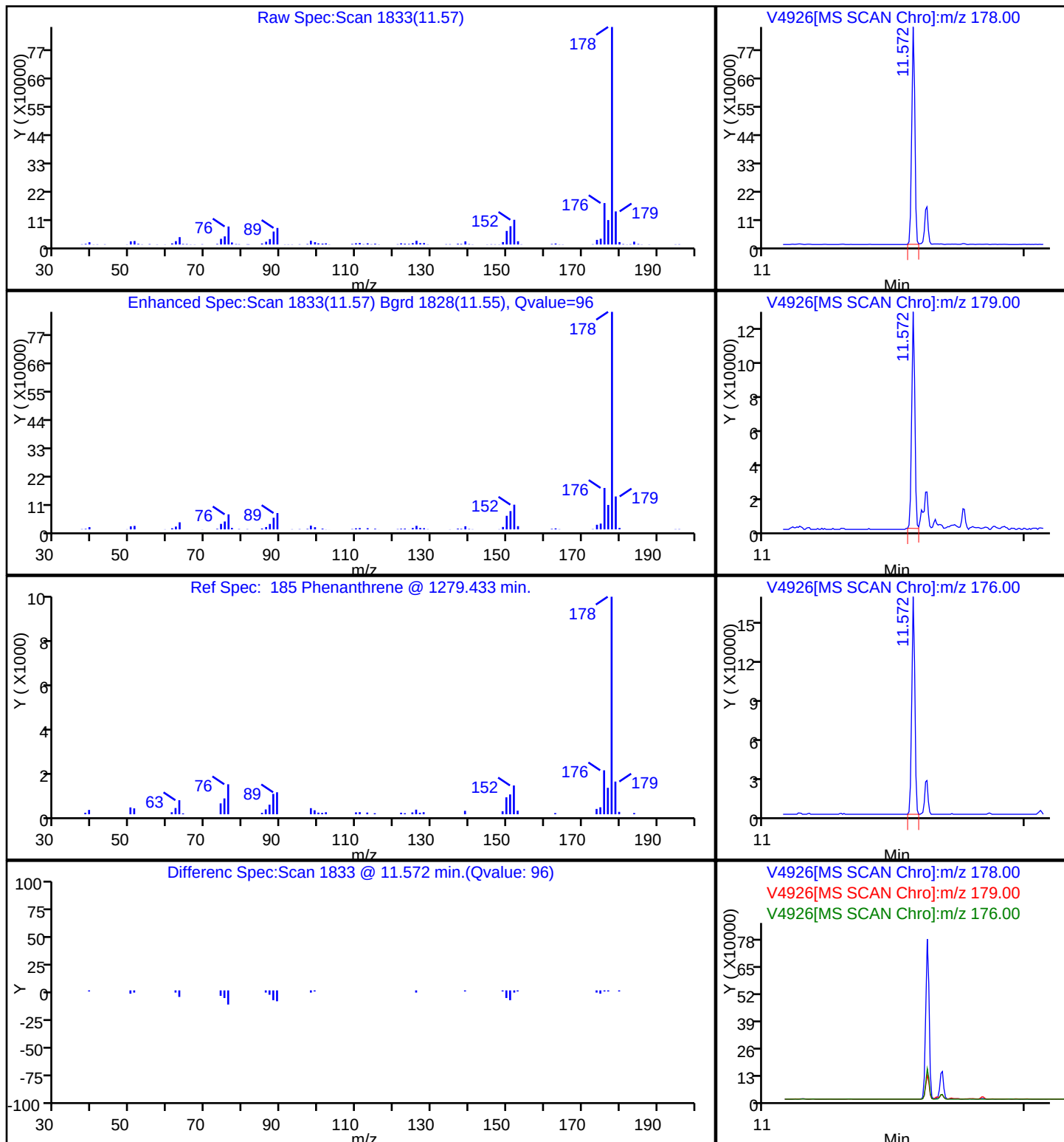
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

185 Phenanthrene



Report Date: 13-Sep-2011 10:02:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

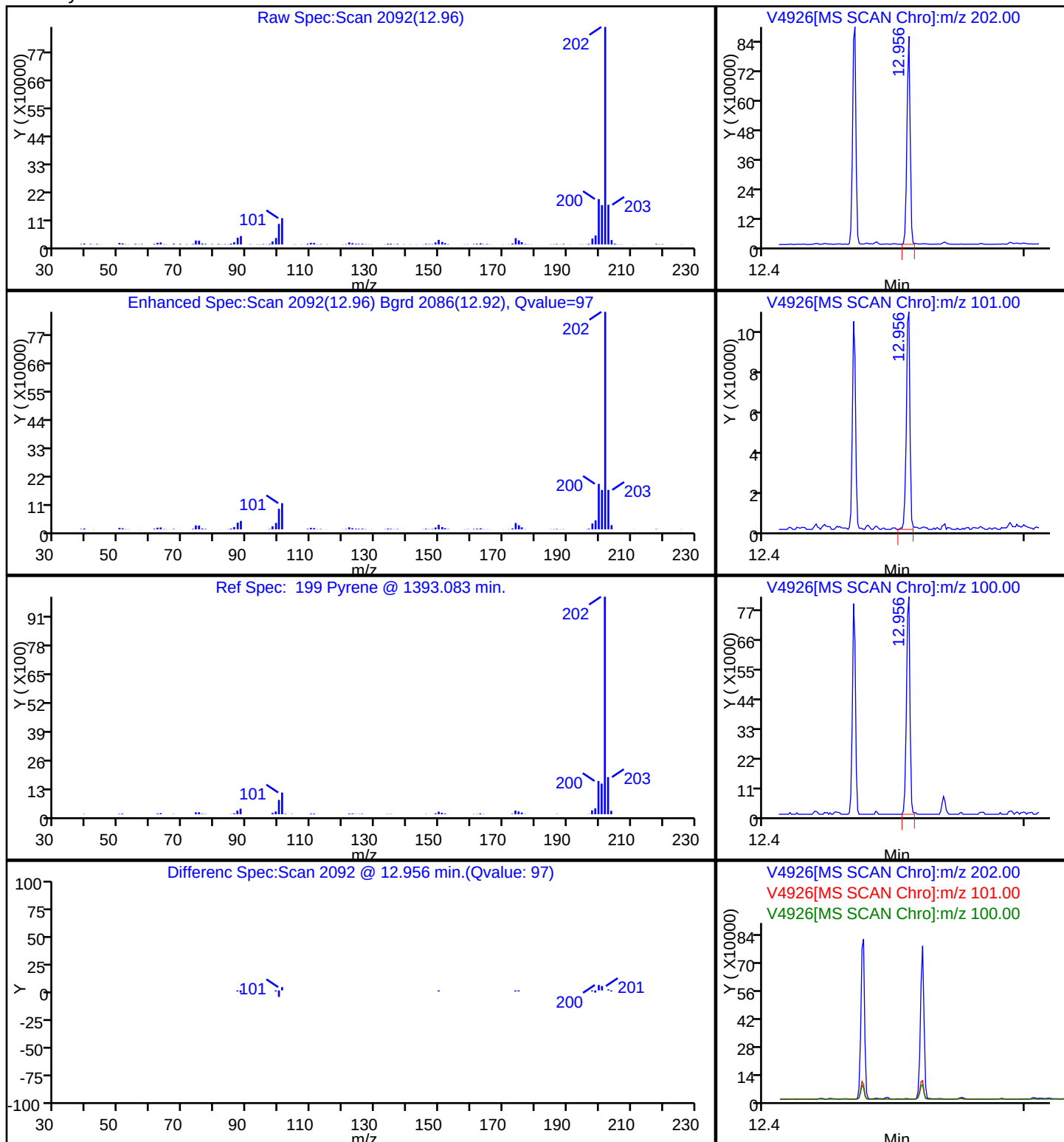
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

199 Pyrene

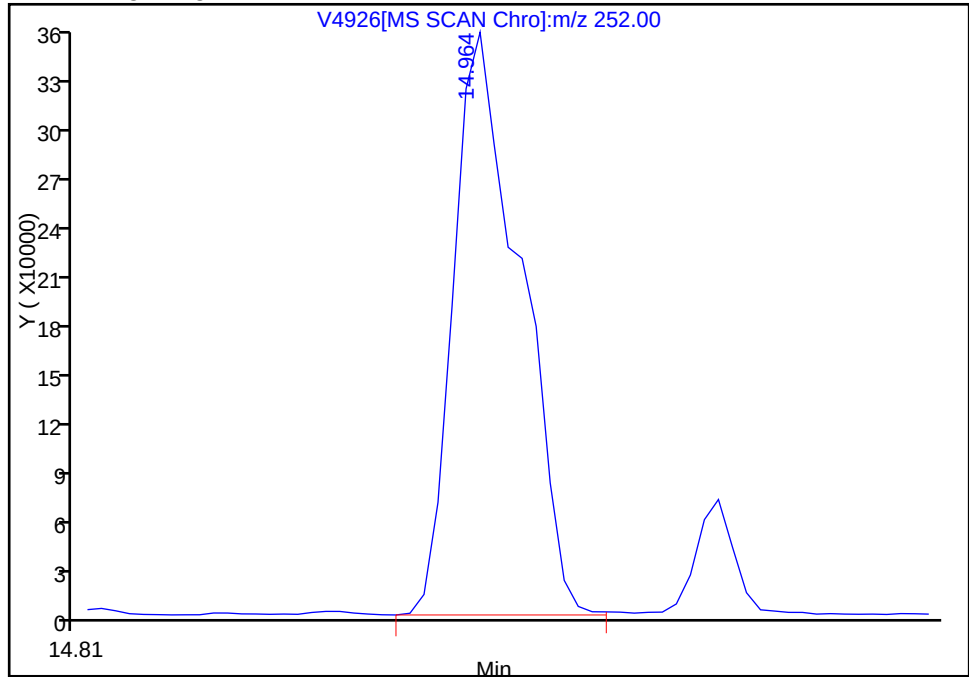


Data File:	\\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D		
Injection Date:	12-Sep-2011 12:19:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-C3 (5-8)	Instrument ID:	HP5973V
Lims Batch ID:	30771	Lims Sample ID:	15
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.96

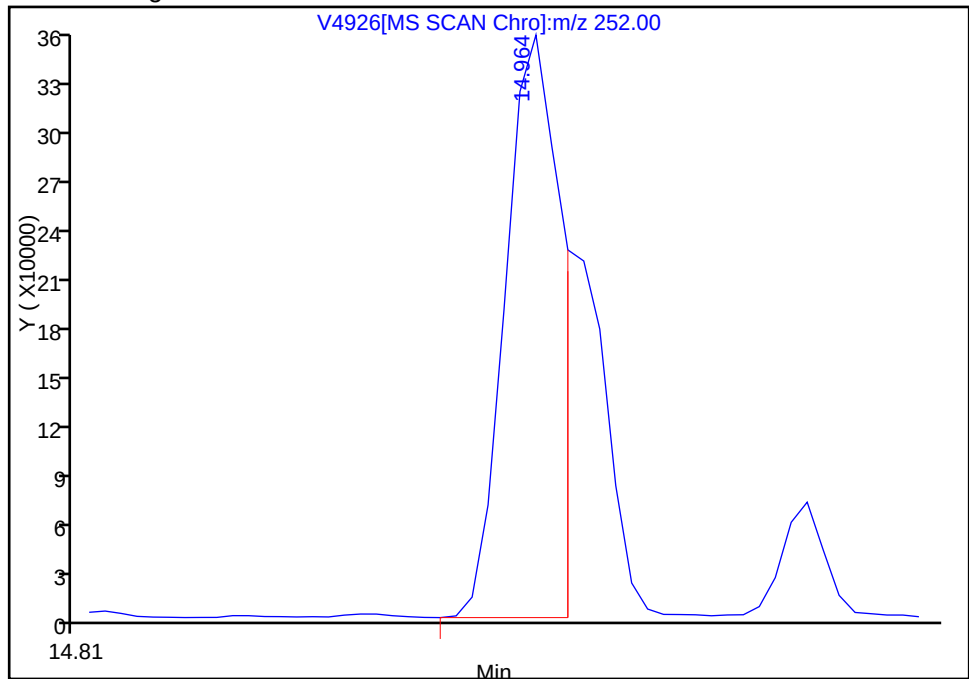
RT: 14.96
Response: 627629
Amount: 45.713825

Processing Integration Results



RT: 14.96
Response: 466325
Amount: 33.965128

Manual Integration Results



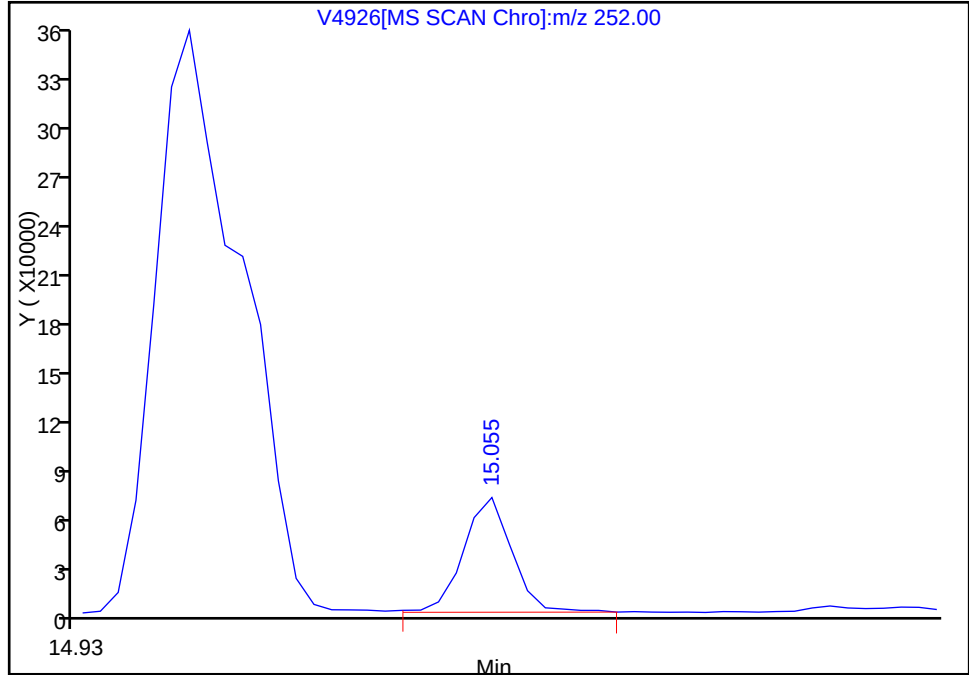
Reviewer: pagem, 13-Sep-2011 10:02:39
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

Data File:	\\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D		
Injection Date:	12-Sep-2011 12:19:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-C3 (5-8)	Instrument ID:	HP5973V
Lims Batch ID:	30771	Lims Sample ID:	15
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.99

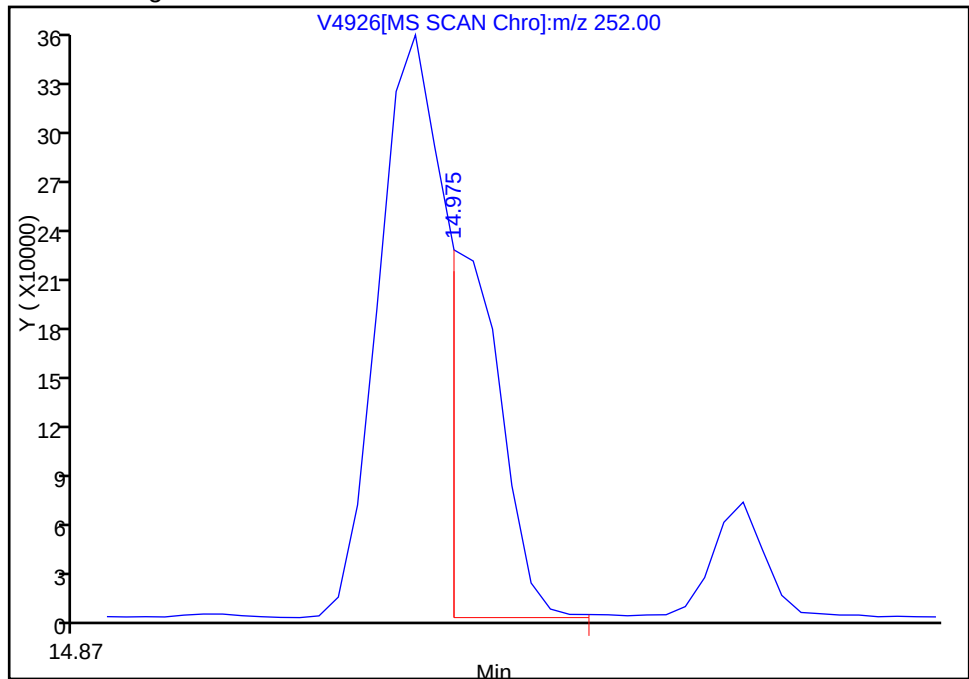
RT: 15.06
Response: 70767
Amount: 4.916619

Processing Integration Results



RT: 14.98
Response: 233013
Amount: 16.188847

Manual Integration Results



Reviewer: pagem, 13-Sep-2011 10:02:39
Audit Action: Split an Integrated Peak
Audit Reason: Wrong peak

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

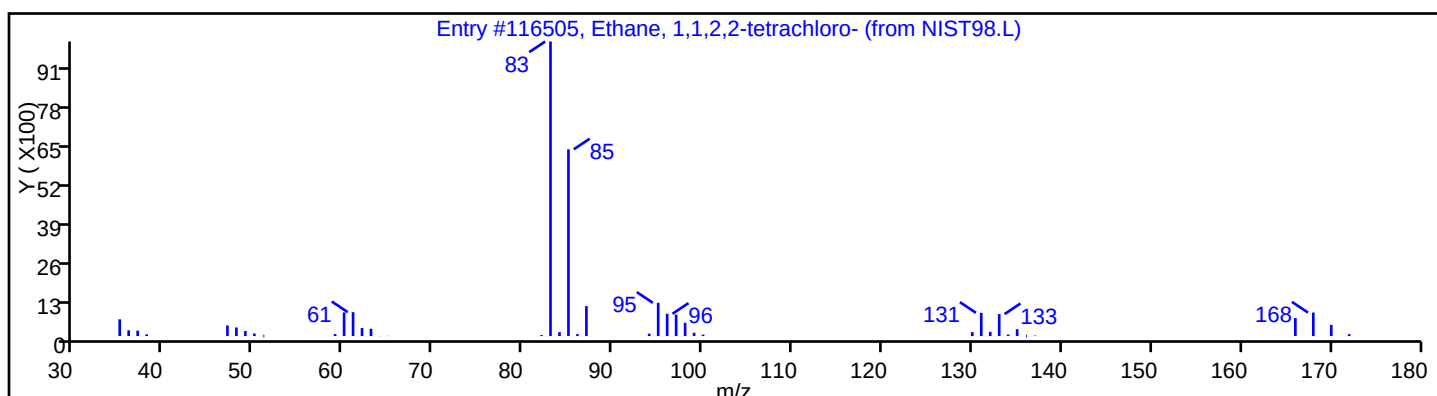
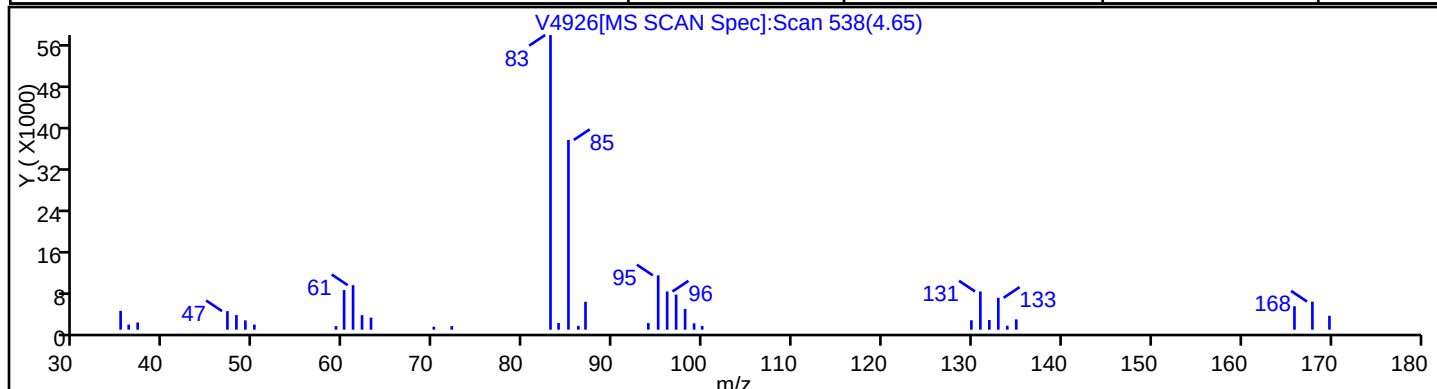
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Voa Target		NIST98.L	0	0
Ethane, 1,1,2,2-tetrachloro-	79-34-5	NIST98.L	116505	97



Report Date: 13-Sep-2011 10:02:39

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Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

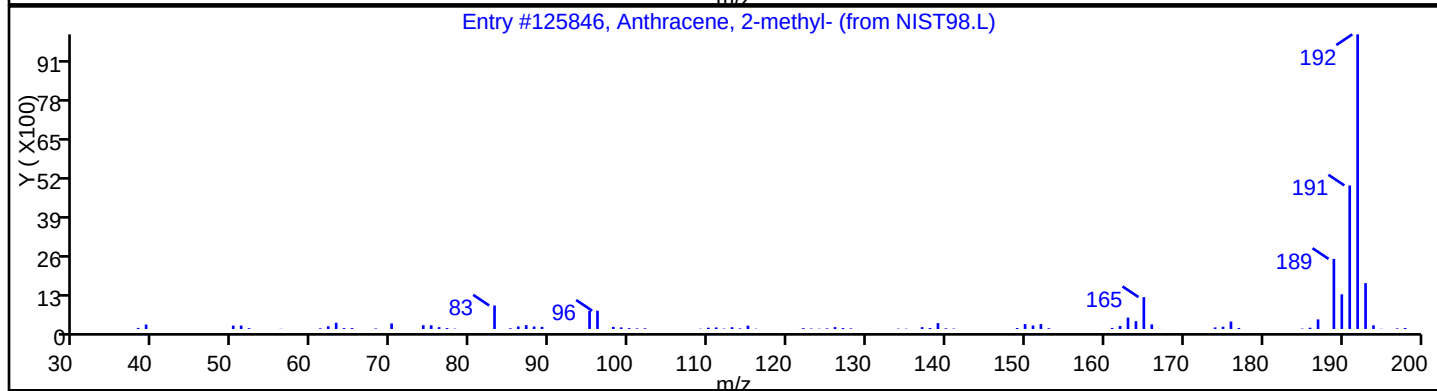
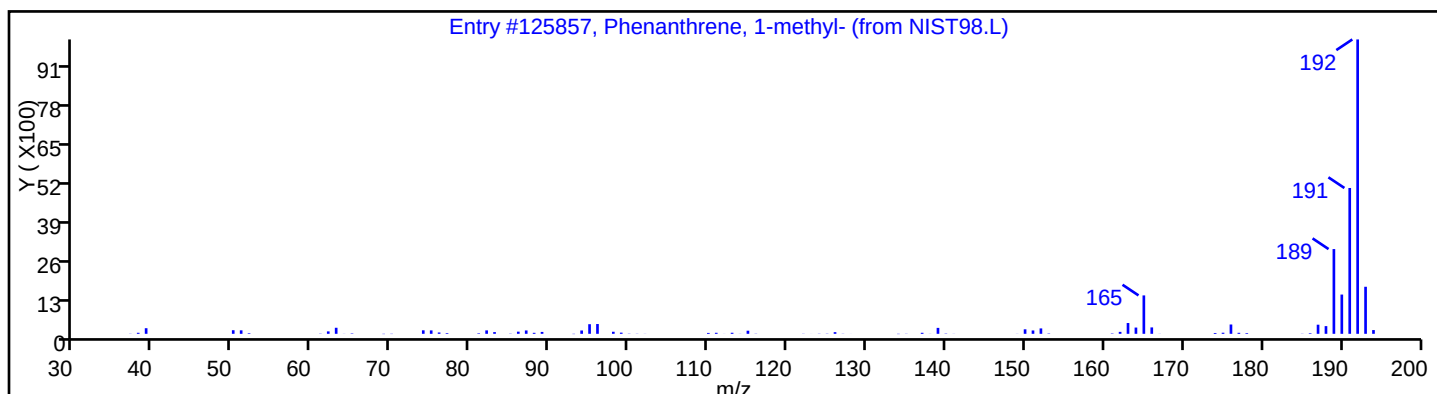
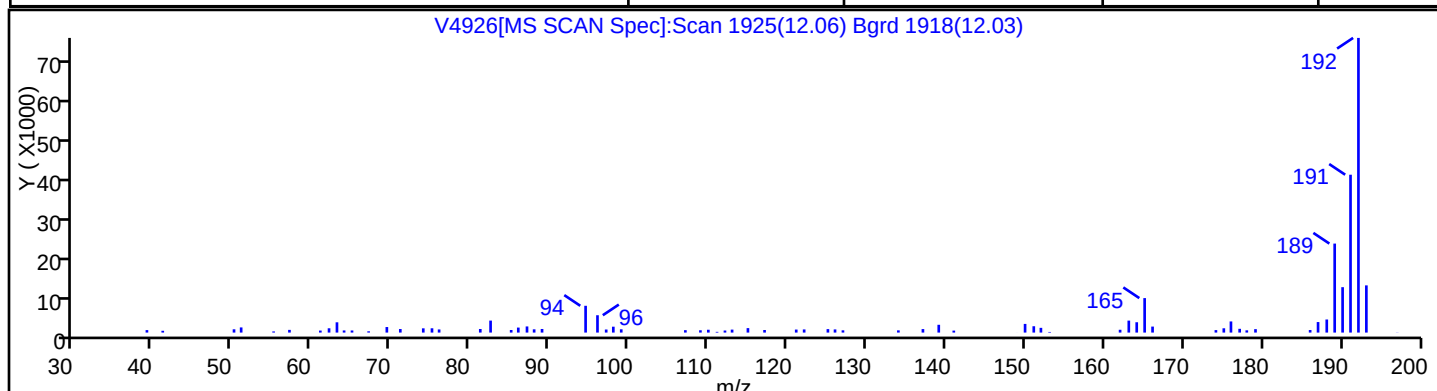
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Phenanthrene, 1-methyl-	832-69-9	NIST98.L	125857	96
Anthracene, 2-methyl-	613-12-7	NIST98.L	125846	96



Report Date: 13-Sep-2011 10:02:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

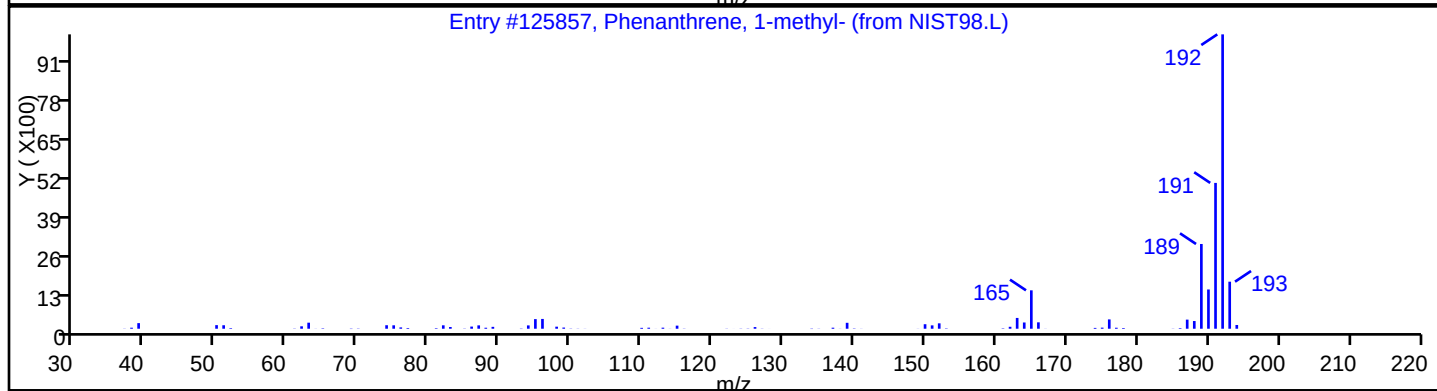
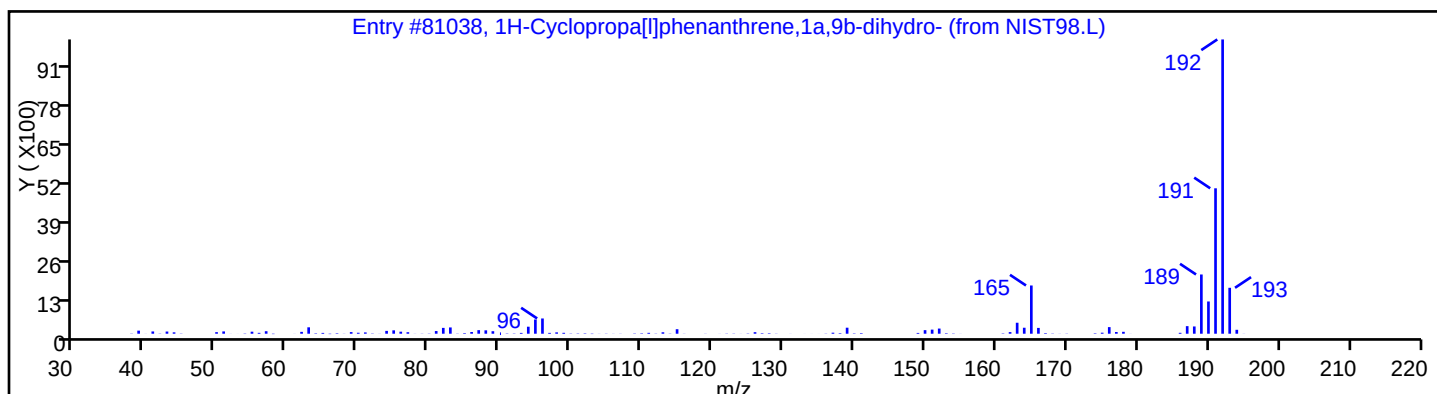
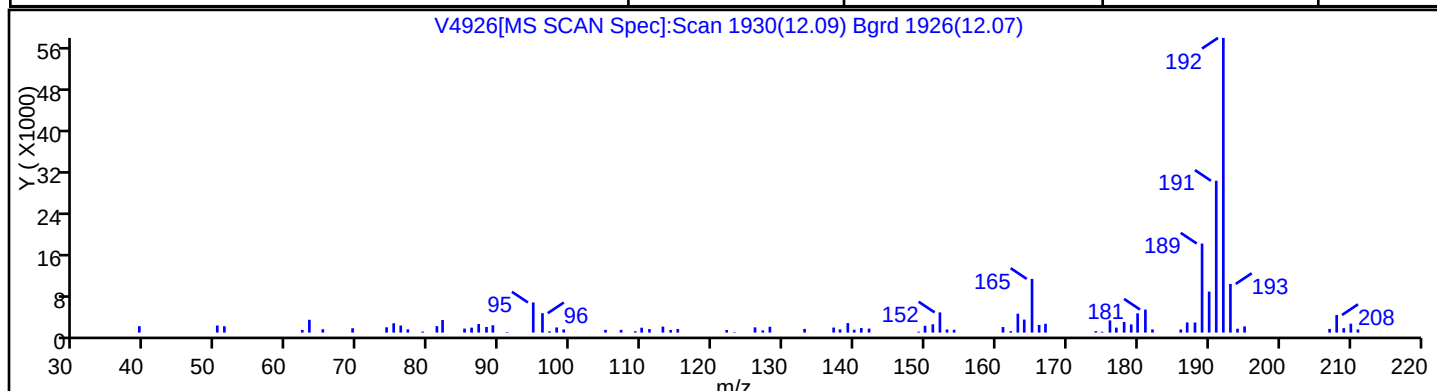
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
1H-Cyclopropa[<i>l</i>]phenanthrene,1a,9b-dihyd	949-41-7	NIST98.L	81038	96
Phenanthrene, 1-methyl-	832-69-9	NIST98.L	125857	96



Report Date: 13-Sep-2011 10:02:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

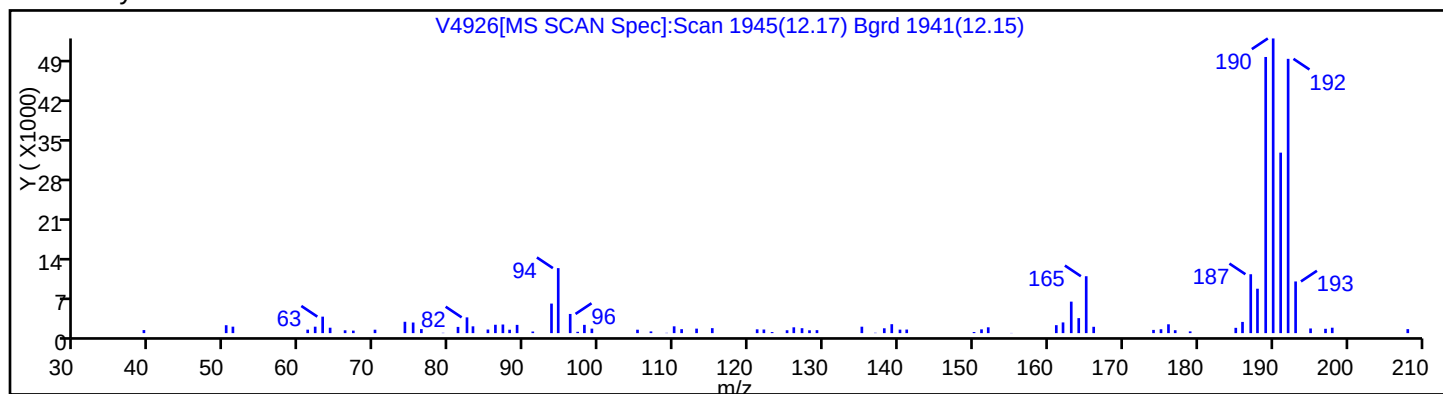
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 13-Sep-2011 10:02:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

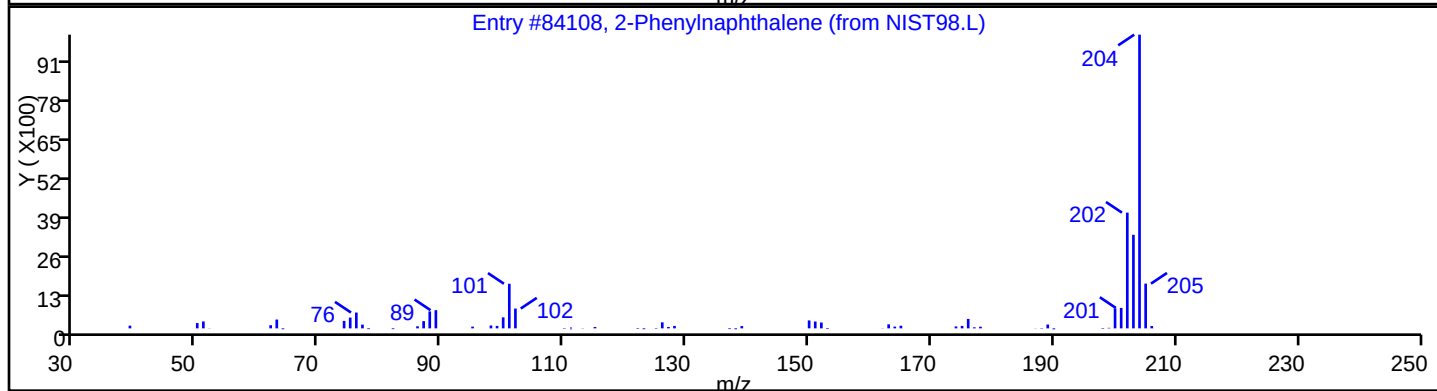
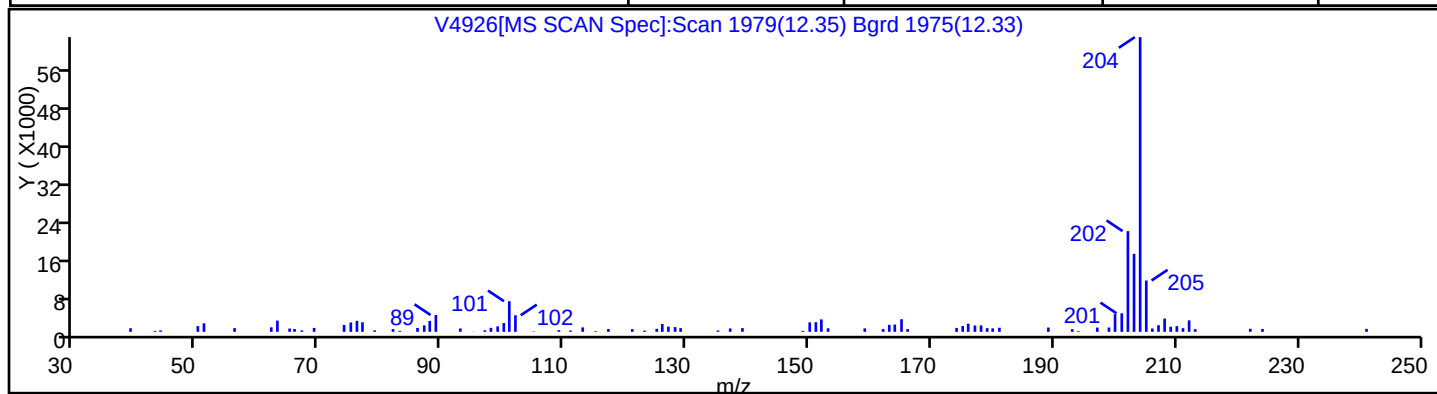
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
2-Phenylnaphthalene	35465-71-5	NIST98.L	84108	93



Report Date: 13-Sep-2011 10:02:39

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Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

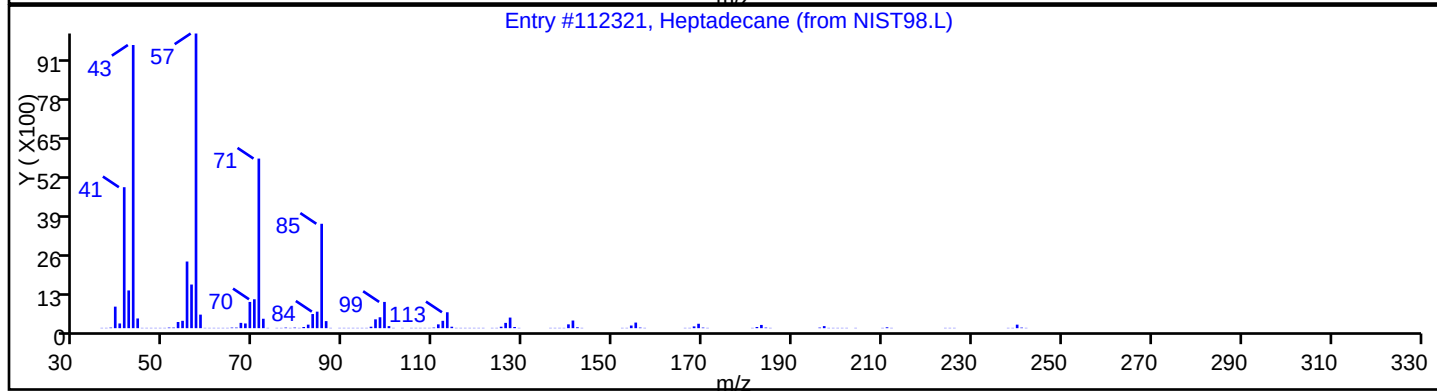
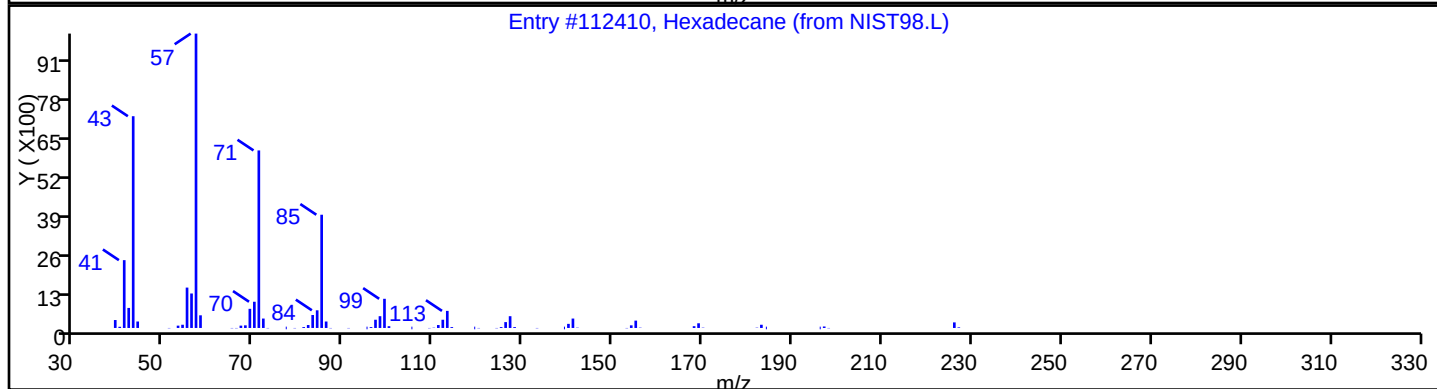
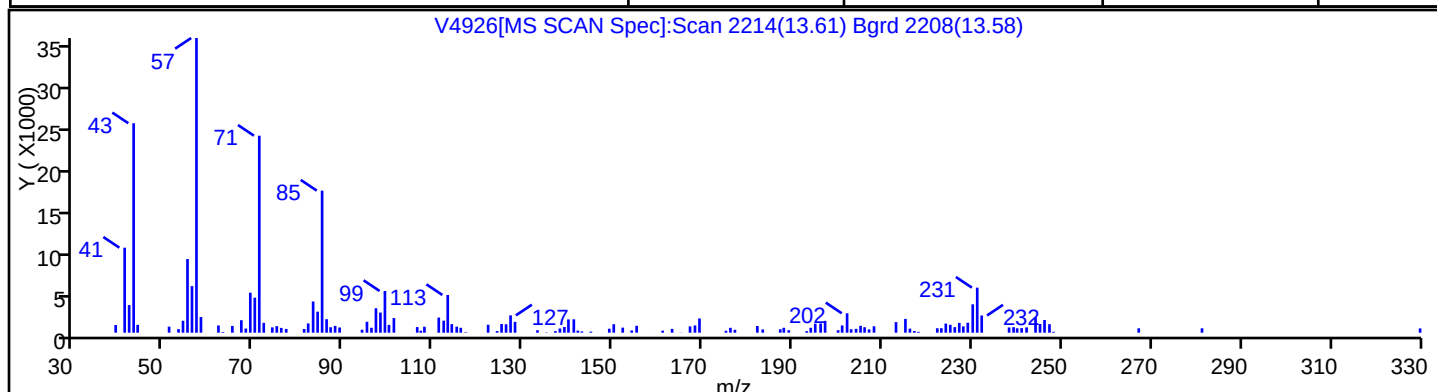
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexadecane	544-76-3	NIST98.L	112410	93
Heptadecane	629-78-7	NIST98.L	112321	89



Report Date: 13-Sep-2011 10:02:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

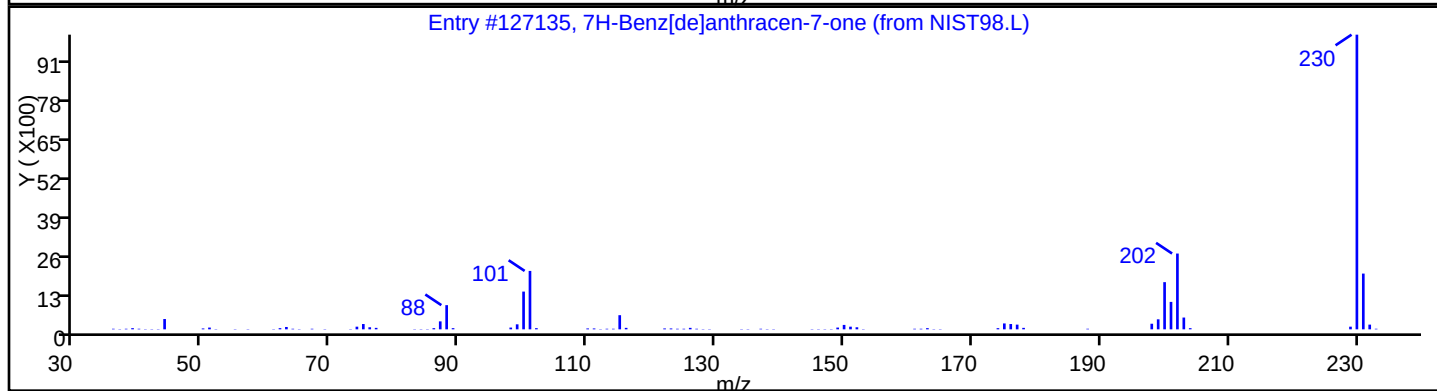
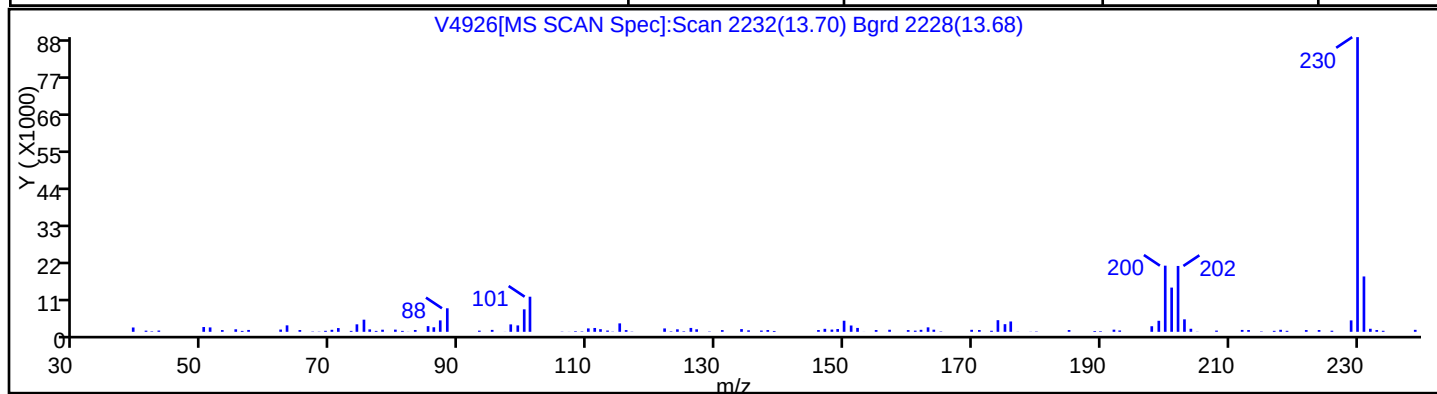
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
7H-Benz[de]anthracen-7-one	82-5-3	NIST98.L	127135	90



Report Date: 13-Sep-2011 10:02:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

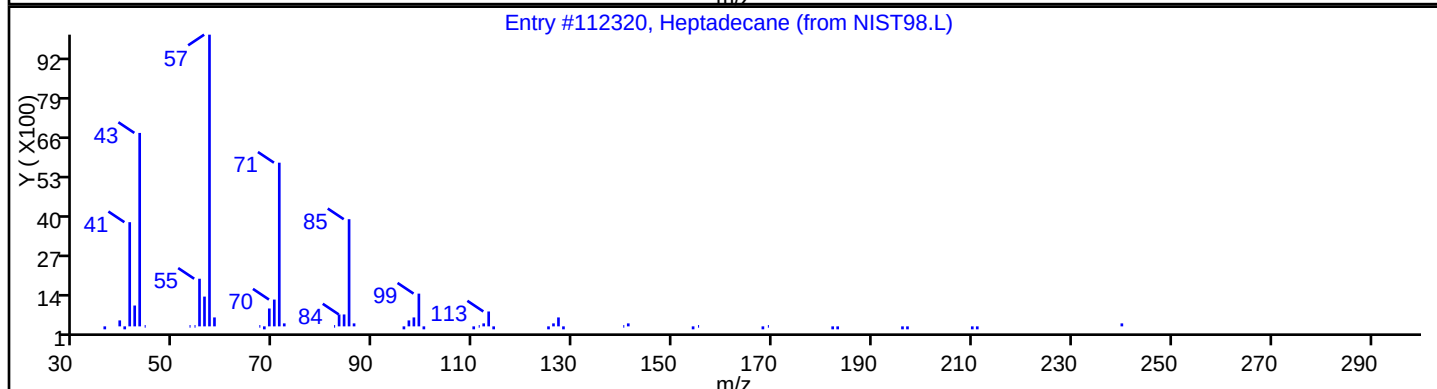
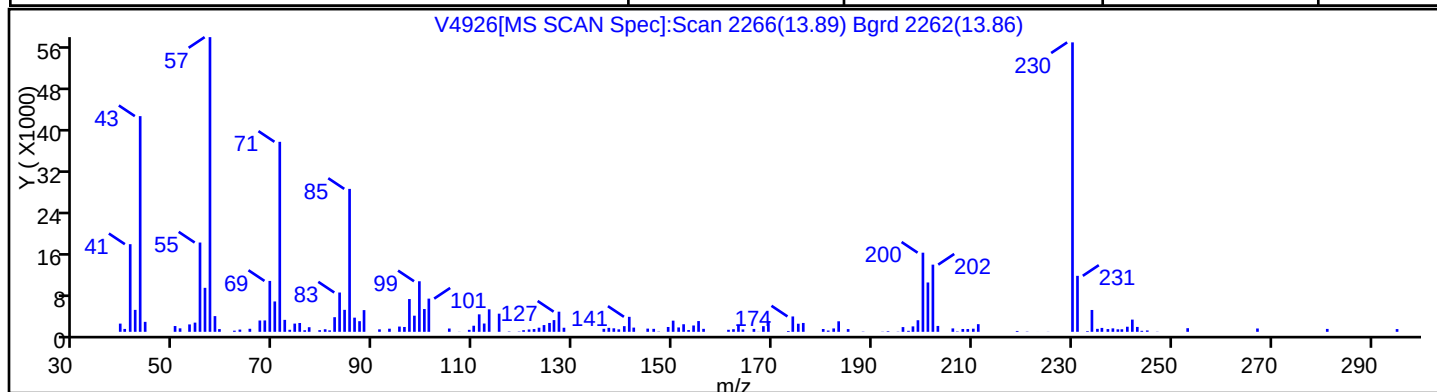
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptadecane	629-78-7	NIST98.L	112320	92



Report Date: 13-Sep-2011 10:02:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

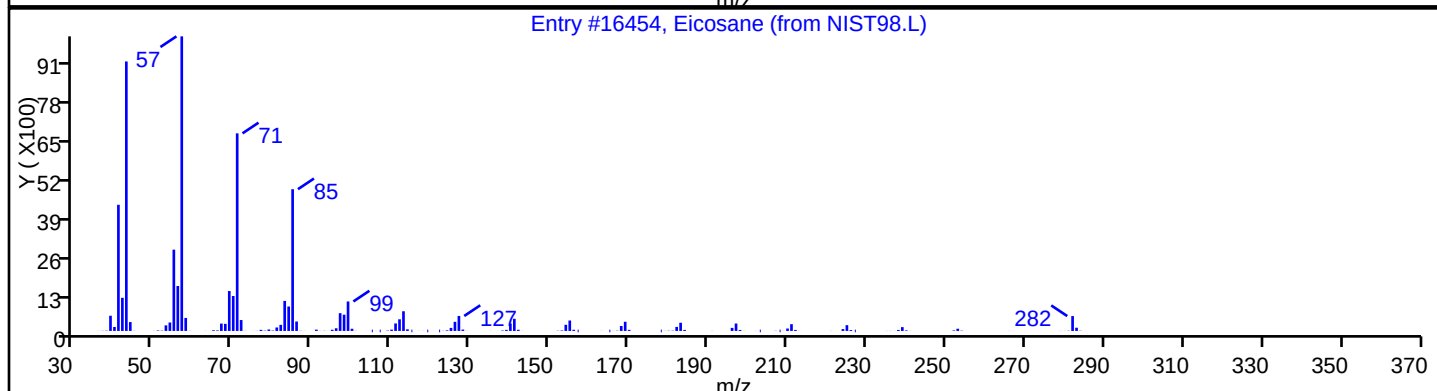
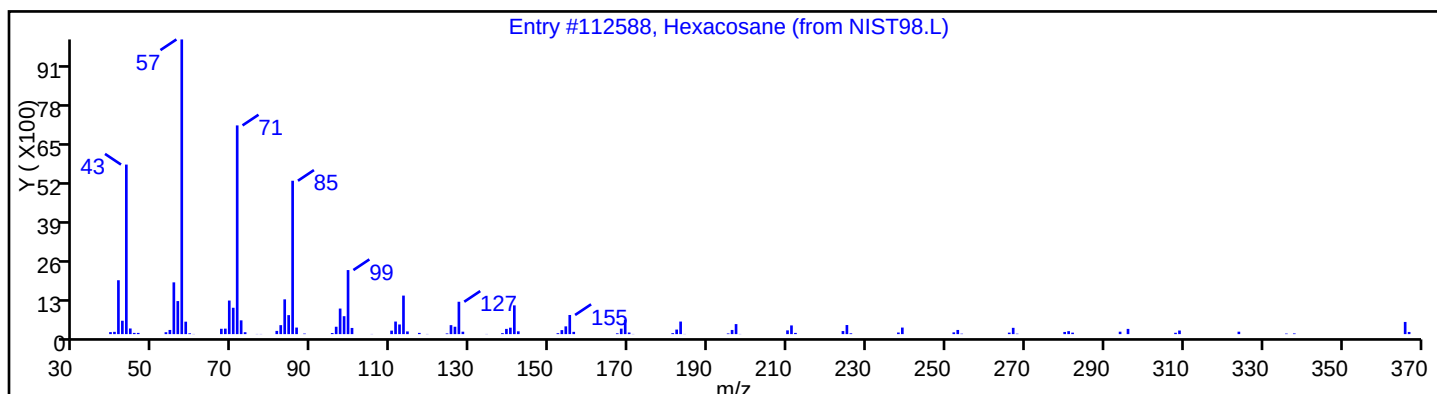
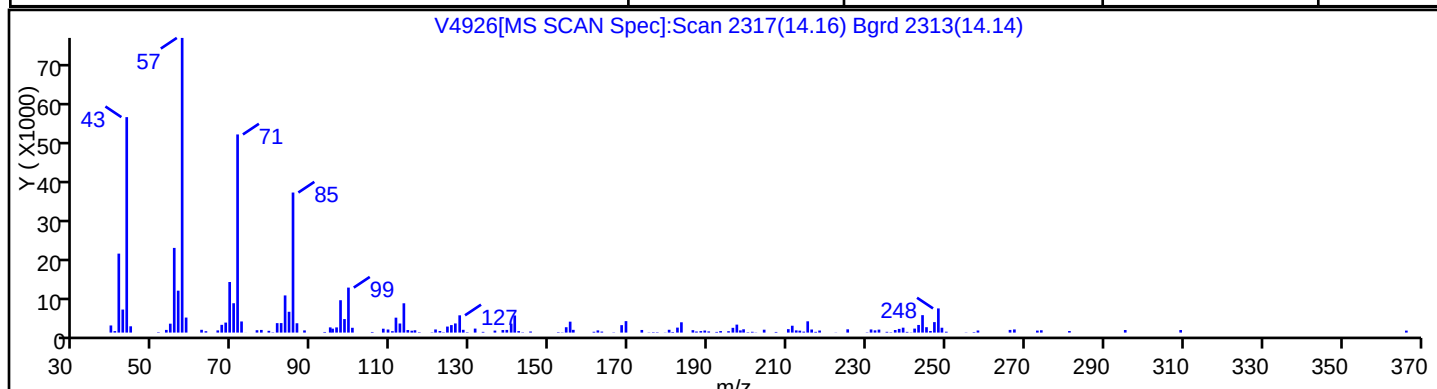
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown alkane		NIST98.L	0	0
Hexacosane	630-1-3	NIST98.L	112588	95
Eicosane	112-95-8	NIST98.L	16454	87



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Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

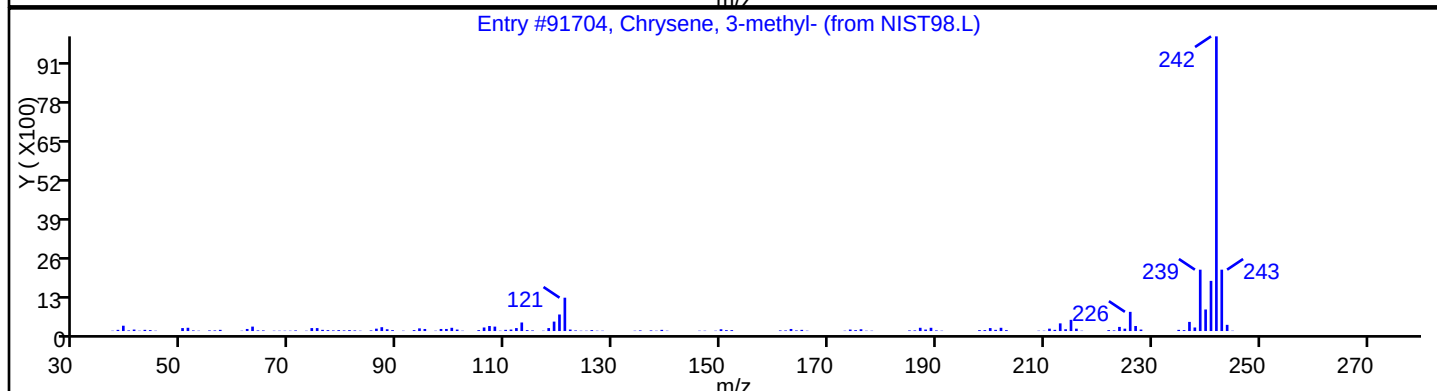
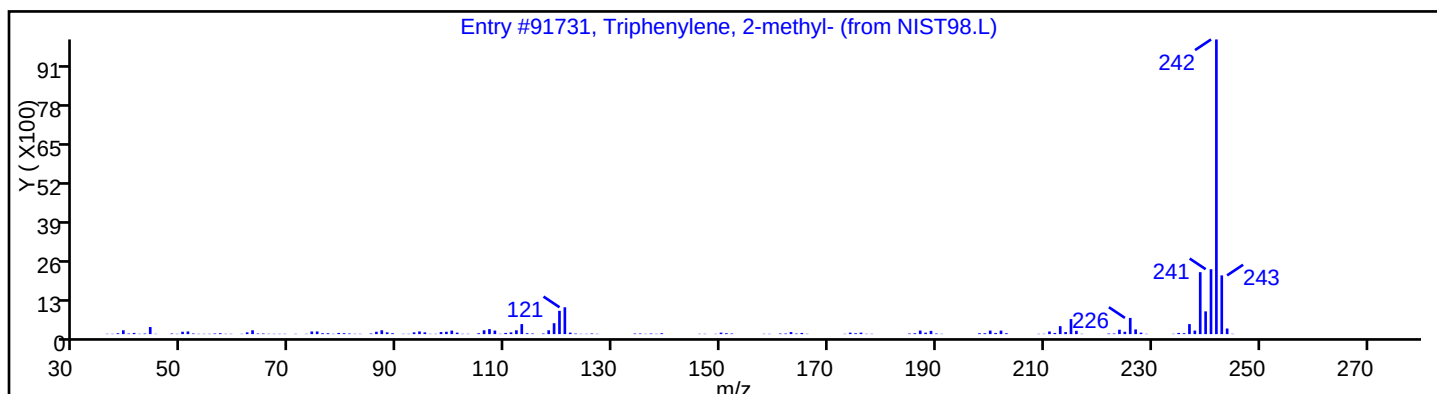
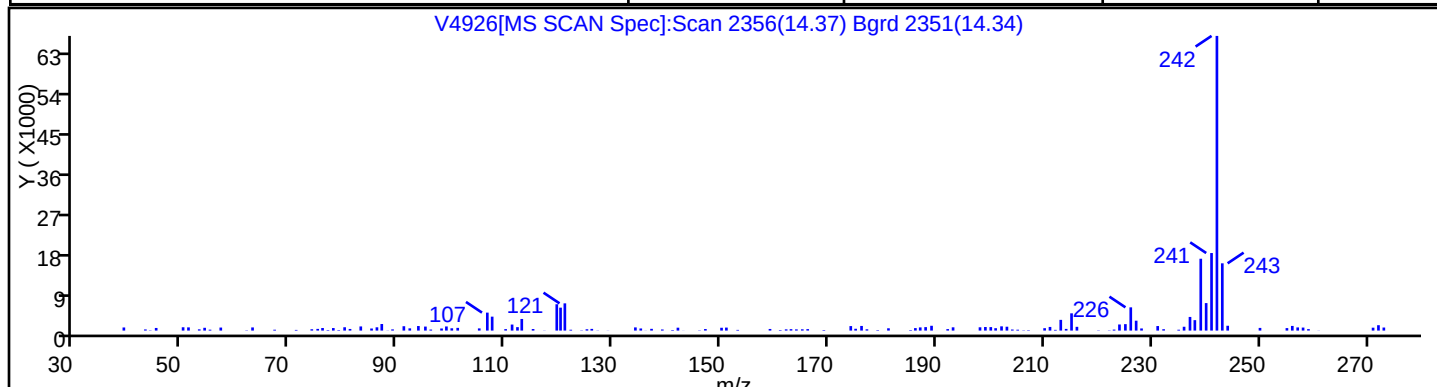
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Triphenylene, 2-methyl-	1705-84-6	NIST98.L	91731	98
Chrysene, 3-methyl-	3351-31-3	NIST98.L	91704	96



Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

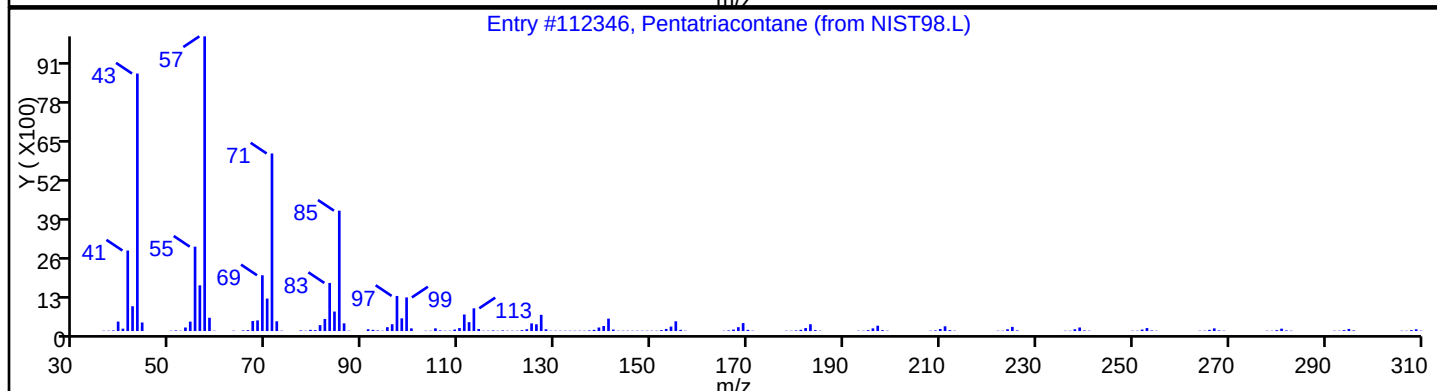
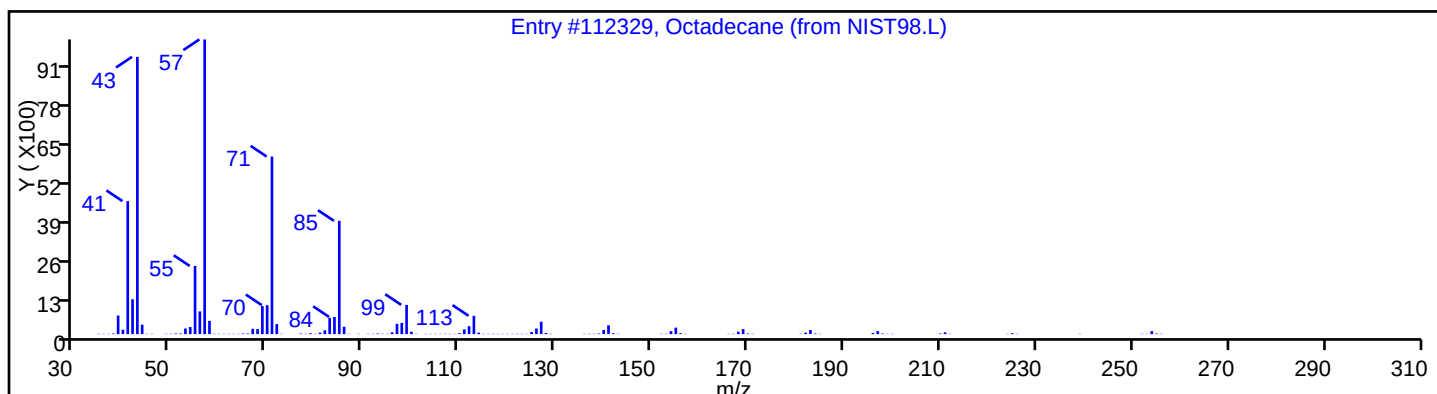
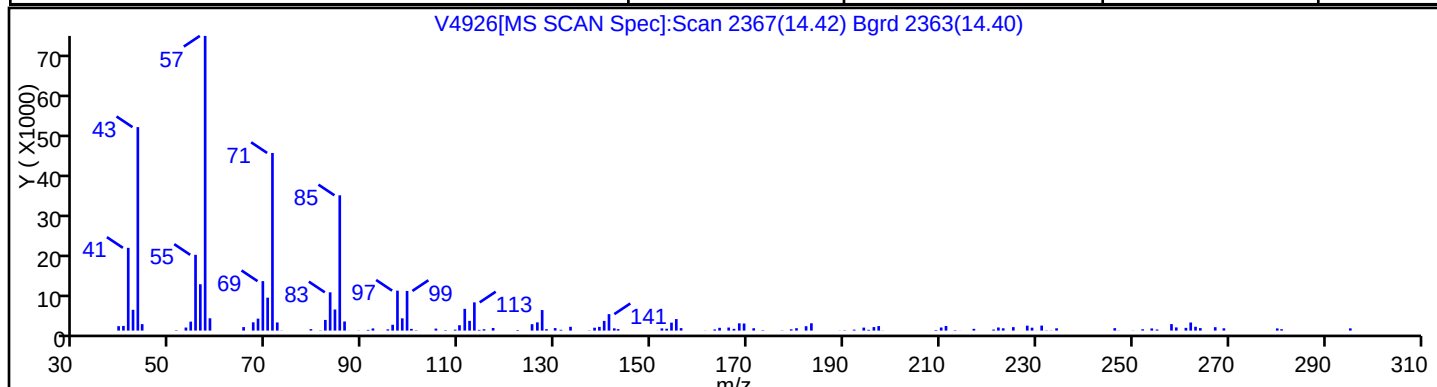
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown alkane		NIST98.L	0	0
Octadecane	593-45-3	NIST98.L	112329	96
Pentatriacontane	630-7-9	NIST98.L	112346	93



Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

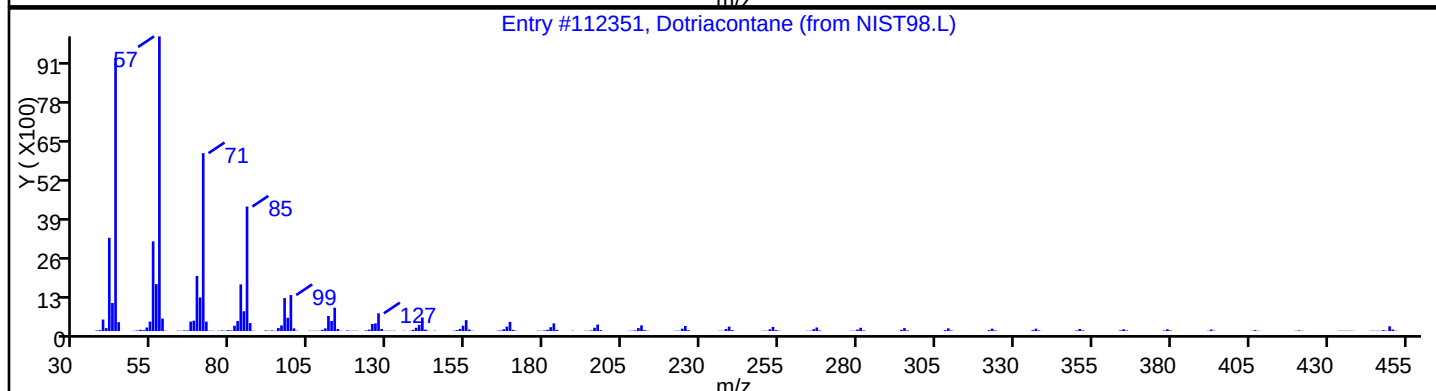
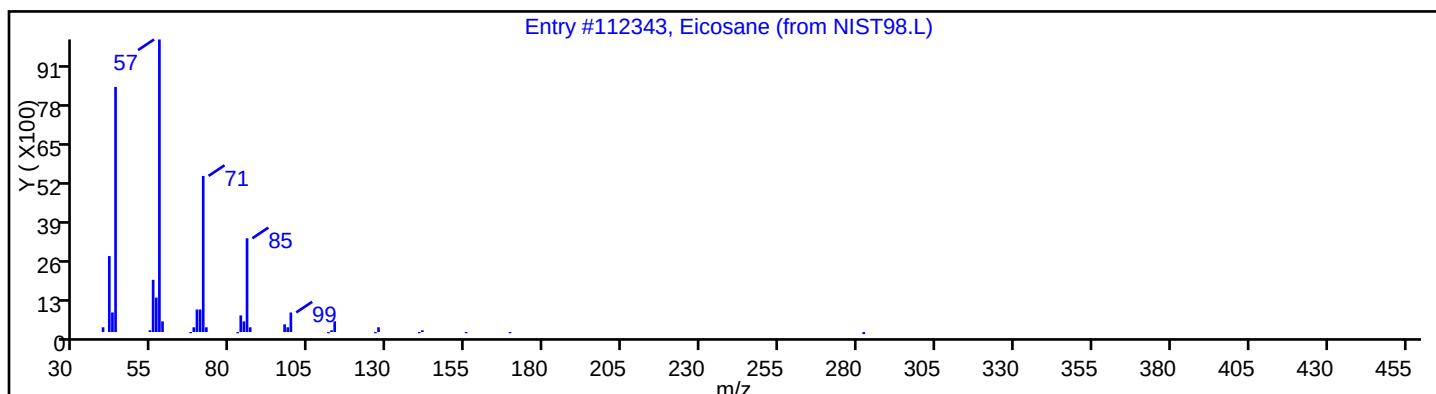
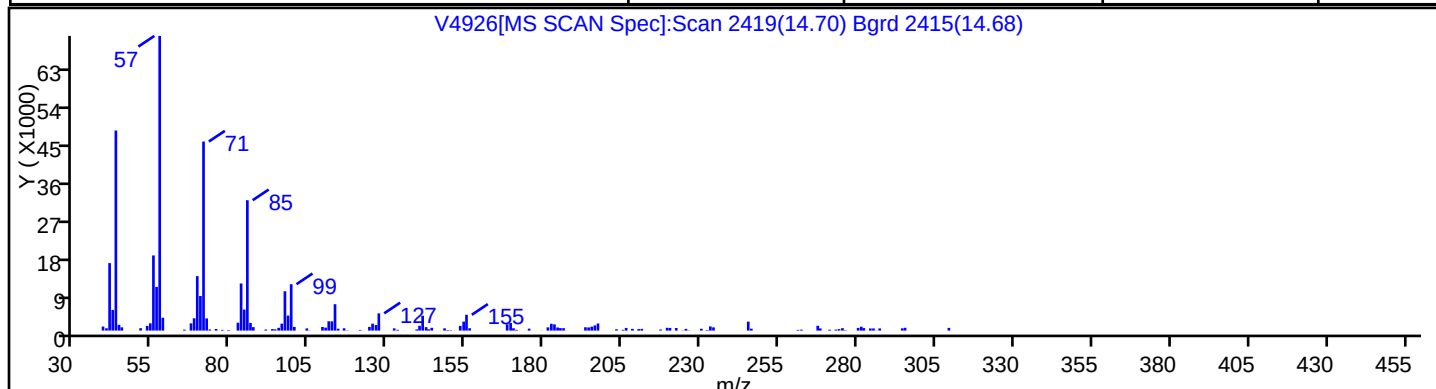
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown alkane		NIST98.L	0	0
Eicosane	112-95-8	NIST98.L	112343	91
Dotriacontane	544-85-4	NIST98.L	112351	91



Report Date: 13-Sep-2011 10:02:39

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Data File:

\\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4926.D

Injection Date: 12-Sep-2011 12:19:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C3 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 15

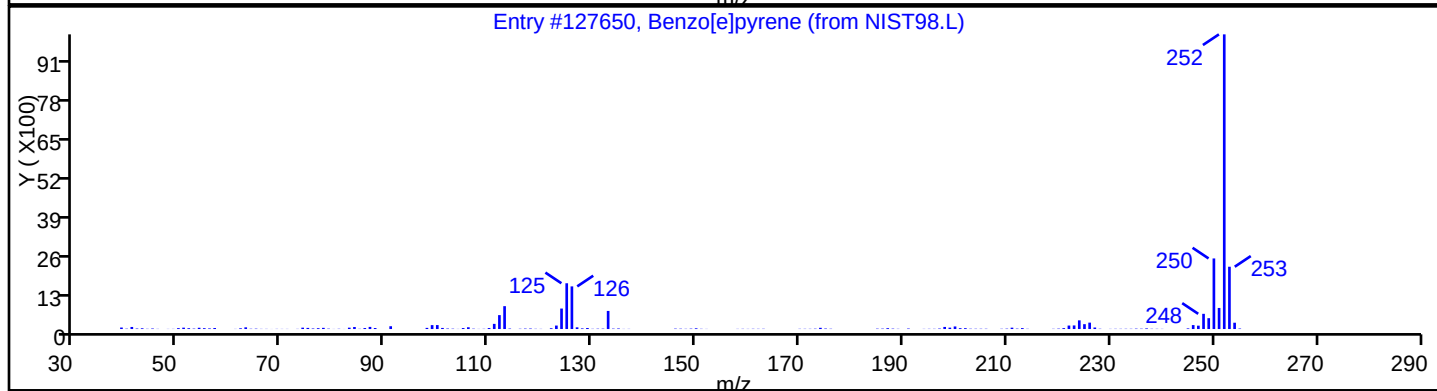
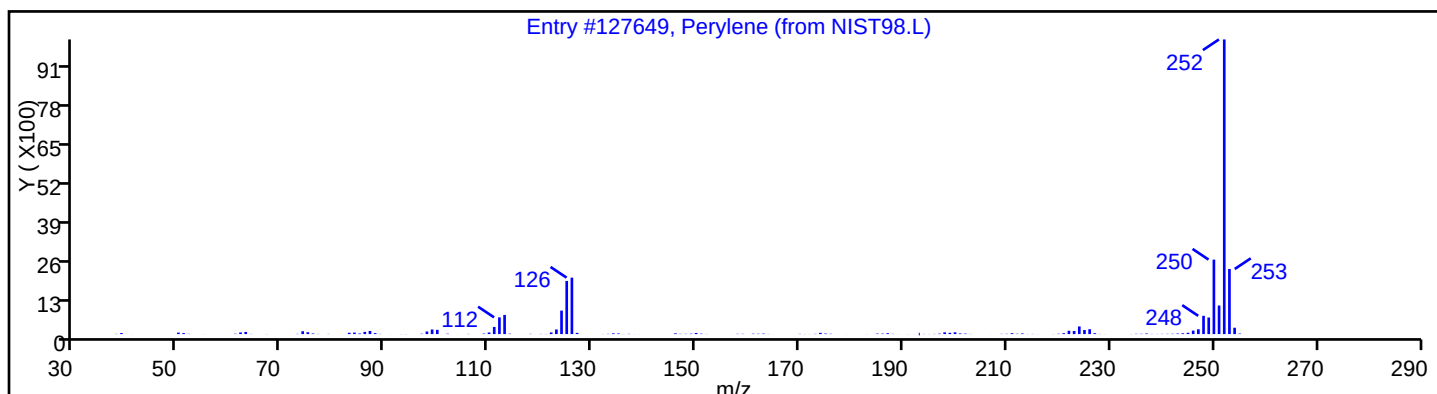
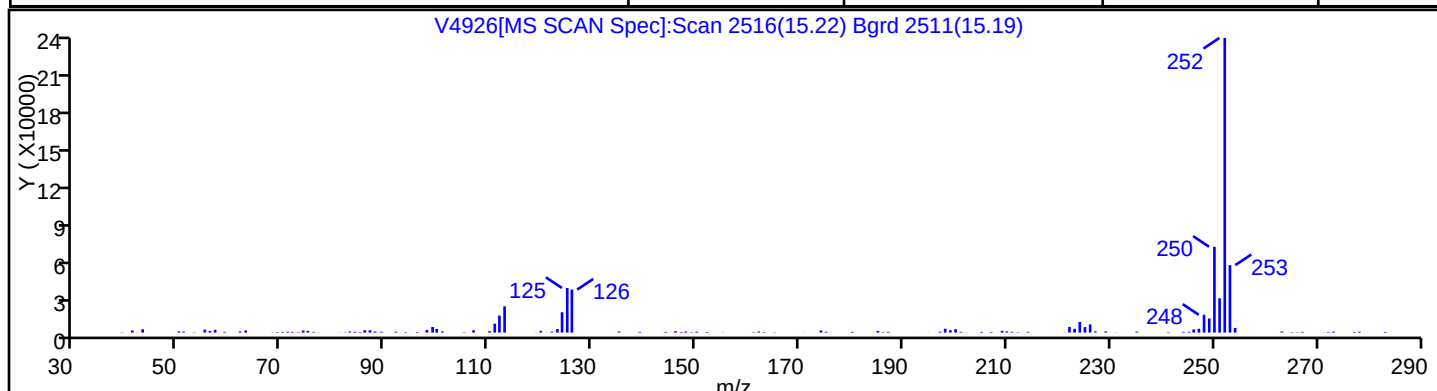
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Perylene	198-55-0	NIST98.L	127649	98
Benzo[e]pyrene	192-97-2	NIST98.L	127650	98



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-C6 (5-6)</u>	Lab Sample ID: <u>480-9503-2</u>
Matrix: <u>Solid</u>	Lab File ID: <u>V4927.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/06/2011 12:40</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/09/2011 09:45</u>
Sample wt/vol: <u>+30.26(g)</u>	Date Analyzed: <u>09/12/2011 12:43</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>13.9</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>30771</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		200	42
88-06-2	2,4,6-Trichlorophenol	ND		200	13
120-83-2	2,4-Dichlorophenol	ND		200	10
105-67-9	2,4-Dimethylphenol	ND		200	52
51-28-5	2,4-Dinitrophenol	ND		380	68
121-14-2	2,4-Dinitrotoluene	ND		200	30
606-20-2	2,6-Dinitrotoluene	ND		200	48
91-58-7	2-Chloronaphthalene	ND		200	13
95-57-8	2-Chlorophenol	ND		200	9.9
91-57-6	2-Methylnaphthalene	ND		200	2.4
95-48-7	2-Methylphenol	ND		200	6.0
88-74-4	2-Nitroaniline	ND		380	62
88-75-5	2-Nitrophenol	ND		200	8.9
91-94-1	3,3'-Dichlorobenzidine	ND		200	170
99-09-2	3-Nitroaniline	ND		380	45
534-52-1	4,6-Dinitro-2-methylphenol	ND		380	67
101-55-3	4-Bromophenyl phenyl ether	ND		200	62
59-50-7	4-Chloro-3-methylphenol	ND		200	8.0
106-47-8	4-Chloroaniline	ND		200	57
7005-72-3	4-Chlorophenyl phenyl ether	ND		200	4.1
106-44-5	4-Methylphenol	ND		380	11
100-01-6	4-Nitroaniline	ND		380	22
100-02-7	4-Nitrophenol	ND		380	47
83-32-9	Acenaphthene	ND		200	2.3
208-96-8	Acenaphthylene	ND		200	1.6
98-86-2	Acetophenone	ND		200	10
120-12-7	Anthracene	39	J	200	5.0
1912-24-9	Atrazine	ND		200	8.6
100-52-7	Benzaldehyde	ND		200	21
56-55-3	Benzo(a)anthracene	95	J	200	3.4
50-32-8	Benzo(a)pyrene	84	J	200	4.7
205-99-2	Benzo(b)fluoranthene	100	J	200	3.8
191-24-2	Benzo(g,h,i)perylene	58	J	200	2.3
207-08-9	Benzo(k)fluoranthene	47	J	200	2.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-C6 (5-6)</u>	Lab Sample ID: <u>480-9503-2</u>
Matrix: <u>Solid</u>	Lab File ID: <u>V4927.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/06/2011 12:40</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/09/2011 09:45</u>
Sample wt/vol: <u>+30.26(g)</u>	Date Analyzed: <u>09/12/2011 12:43</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>13.9</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>30771</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		200	12
108-60-1	bis (2-chloroisopropyl) ether	ND		200	20
111-91-1	Bis(2-chloroethoxy)methane	ND		200	11
111-44-4	Bis(2-chloroethyl)ether	ND		200	17
117-81-7	Bis(2-ethylhexyl) phthalate	ND		200	63
85-68-7	Butyl benzyl phthalate	ND		200	52
105-60-2	Caprolactam	ND		200	84
86-74-8	Carbazole	27	J	200	2.2
218-01-9	Chrysene	87	J	200	1.9
53-70-3	Dibenz(a,h)anthracene	17	J	200	2.3
132-64-9	Dibenzofuran	ND		200	2.0
84-66-2	Diethyl phthalate	ND		200	5.9
131-11-3	Dimethyl phthalate	ND		200	5.1
84-74-2	Di-n-butyl phthalate	ND		200	67
117-84-0	Di-n-octyl phthalate	ND		200	4.5
206-44-0	Fluoranthene	200		200	2.8
86-73-7	Fluorene	16	J	200	4.5
118-74-1	Hexachlorobenzene	ND		200	9.7
87-68-3	Hexachlorobutadiene	ND		200	9.9
77-47-4	Hexachlorocyclopentadiene	ND		200	59
67-72-1	Hexachloroethane	ND		200	15
193-39-5	Indeno(1,2,3-cd)pyrene	54	J	200	5.4
78-59-1	Isophorone	ND		200	9.7
91-20-3	Naphthalene	ND		200	3.2
98-95-3	Nitrobenzene	ND		200	8.6
621-64-7	N-Nitrosodi-n-propylamine	ND		200	15
86-30-6	N-Nitrosodiphenylamine	ND		200	11
87-86-5	Pentachlorophenol	ND		380	67
85-01-8	Phenanthrene	160	J	200	4.1
108-95-2	Phenol	ND		200	20
129-00-0	Pyrene	150	J	200	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: SB-C6 (5-6) Lab Sample ID: 480-9503-2
Matrix: Solid Lab File ID: V4927.D
Analysis Method: 8270C Date Collected: 09/06/2011 12:40
Extract. Method: 3550B Date Extracted: 09/09/2011 09:45
Sample wt/vol: +30.26(g) Date Analyzed: 09/12/2011 12:43
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 13.9 GPC Cleanup: (Y/N) N
Analysis Batch No.: 30771 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	66		39-146
321-60-8	2-Fluorobiphenyl	86		37-120
367-12-4	2-Fluorophenol	73		18-120
4165-60-0	Nitrobenzene-d5	78		34-132
4165-62-2	Phenol-d5	84		11-120
1718-51-0	p-Terphenyl-d14	94		58-147

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: SB-C6 (5-6) Lab Sample ID: 480-9503-2
Matrix: Solid Lab File ID: V4927.D
Analysis Method: 8270C Date Collected: 09/06/2011 12:40
Extract. Method: 3550B Date Extracted: 09/09/2011 09:45
Sample wt/vol: +30.26(g) Date Analyzed: 09/12/2011 12:43
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 13.9 GPC Cleanup: (Y/N) N
Analysis Batch No.: 30771 Units: ug/Kg
Number TICs Found: 7 TIC Result Total: 1720

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	2.62	240	T J
	Voa Target	4.65	510	T J
	Unknown alkane	13.89	170	T J
	Unknown alkane	14.16	190	T J
	Unknown alkane	14.43	240	T J
	Unknown alkane	14.70	170	T J
	Unknown alkane	14.99	200	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\4927.D
 Lims ID: 480-9503-E-2-A Client ID: SB-C6 (5-6)
 Inject. Date: 12-Sep-2011 12:43:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0005869-016
 Misc. Info.: 480-9503-E-2-A
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 30771 Lims Sample ID: 16
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\8270.m
 Last Update: 13-Sep-2011 10:04:23 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 13-Sep-2011 10:04:23

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.856	5.856	0.0	96	108729	40.0	
* 2 Naphthalene-d8	136	7.571	7.571	0.0	99	436204	40.0	
* 3 Acenaphthene-d10	164	9.846	9.847	-0.001	91	259349	40.0	
* 4 Phenanthrene-d10	188	11.545	11.545	0.0	97	431560	40.0	
* 5 Chrysene-d12	240	14.024	14.024	0.0	98	429331	40.0	
* 6 Perylene-d12	264	15.322	15.322	0.0	97	497163	40.0	
\$ 9 2-Fluorophenol	112	4.002	4.002	0.0	91	375358	110.2	
\$ 10 Phenol-d5	99	5.364	5.364	0.0	88	541565	125.6	
\$ 11 Nitrobenzene-d5	82	6.609	6.609	0.0	88	338967	77.7	
\$ 12 2-Fluorobiphenyl	172	8.992	8.992	0.0	100	714300	86.1	
\$ 13 2,4,6-Tribromophenol	330	10.792	10.792	0.0	87	88381	98.3	
\$ 14 p-Terphenyl-d14	244	13.089	13.089	0.0	97	870836	93.9	
88 Benzaldehyde	77		5.231					
89 Phenol	94		5.386					
91 Bis(2-chloroethyl)ether	93		5.487					
93 2-Chlorophenol	128		5.567					
98 2-Methylphenol	108		6.225					
99 2,2'-oxybis[1-chloropropane]	45		6.251					
104 Acetophenone	105		6.406					
101 N-Nitrosodi-n-propylamine	70		6.422					
102 4-Methylphenol	108		6.438					
106 Hexachloroethane	117		6.550					
107 Nitrobenzene	77		6.636					
110 Isophorone	82		6.962					
111 2-Nitrophenol	139		7.069					
112 2,4-Dimethylphenol	107		7.154					
115 Bis(2-chloroethoxy)methane	93		7.266					
117 2,4-Dichlorophenol	162		7.400					
121 Naphthalene	128		7.597					
123 4-Chloroaniline	127		7.678					
126 Hexachlorobutadiene	225		7.795					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113		8.089					
131 4-Chloro-3-methylphenol	107		8.340					
133 2-Methylnaphthalene	142		8.511					
136 Hexachlorocyclopentadiene	237		8.735					
139 2,4,6-Trichlorophenol	196		8.885					
140 2,4,5-Trichlorophenol	196		8.933					
144 1,1'-Biphenyl	154		9.115					
143 2-Chloronaphthalene	162		9.136					
145 2-Nitroaniline	65		9.270					
147 Dimethyl phthalate	163		9.521					
148 2,6-Dinitrotoluene	165		9.585					
149 Acenaphthylene	152		9.660					
150 3-Nitroaniline	138		9.798					
151 Acenaphthene	153		9.889					
152 2,4-Dinitrophenol	184		9.927					
153 4-Nitrophenol	109		10.034					
154 2,4-Dinitrotoluene	165		10.092					
155 Dibenzofuran	168		10.103					
160 Diethyl phthalate	149		10.397					
161 Fluorene	166	10.514	10.514	0.0	1	3391	0.4052	
162 4-Chlorophenyl phenyl ether	204		10.520					
164 4-Nitroaniline	138		10.541					
166 4,6-Dinitro-2-methylphenol	198		10.584					
167 N-Nitrosodiphenylamine	169		10.659					
176 4-Bromophenyl phenyl ether	248		11.075					
177 Hexachlorobenzene	284		11.155					
180 Atrazine	200		11.262					
181 Pentachlorophenol	266		11.364					
185 Phenanthrene	178	11.572	11.572	0.0	54	48922	4.24	
188 Anthracene	178	11.620	11.626	-0.006	37	11773	1.01	
189 Carbazole	167	11.791	11.796	-0.005	4	7639	0.7042	
192 Di-n-butyl phthalate	149		12.149					
197 Fluoranthene	202	12.742	12.747	-0.005	92	65437	5.26	
199 Pyrene	202	12.950	12.956	-0.006	96	53718	3.97	
205 Butyl benzyl phthalate	149		13.517					
208 3,3'-Dichlorobenzidine	252		13.987					
210 Bis(2-ethylhexyl) phthalate	149	14.003	14.008	-0.005	67	6854	0.7550	
209 Benzo[a]anthracene	228	14.013	14.019	-0.006	67	30982	2.47	
211 Chrysene	228	14.045	14.051	-0.006	39	27677	2.28	
212 Di-n-octyl phthalate	149		14.542					
213 Benzo[b]fluoranthene	252	14.954	14.959	-0.005	87	37916	2.62	M
214 Benzo[k]fluoranthene	252	14.975	14.986	-0.011	92	18582	1.23	M
217 Benzo[a]pyrene	252	15.263	15.274	-0.011	52	26664	2.20	
219 Indeno[1,2,3-cd]pyrene	276	16.465	16.476	-0.011	81	20536	1.40	
220 Dibenz(a,h)anthracene	278	16.465	16.482	-0.017	1	5487	0.4452	
221 Benzo[g,h,i]perylene	276	16.797	16.808	-0.011	64	17866	1.52	

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4927.D
 Lims ID: 480-9503-E-2-A Client ID: SB-C6 (5-6)
 Inject. Date: 12-Sep-2011 12:43:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0005869-016
 Misc. Info.: 480-9503-E-2-A
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 30771 Lims Sample ID: 16
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V-8270.m
 Last Update: 13-Sep-2011 10:04:23 Calib Date: 08-Sep-2011 10:41:30
 Tic RT Window: 1.500 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\Bufchrom\ChromData\Database\NIST98.L
 Min. Match: 85
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 13-Sep-2011 10:04:23

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
Unknown						
2.618	106531	6.26	1			
Voa Target						
4.654	225116	13.2	1	0	0	
Unknown alkane						
13.885	139337	4.38	5	0	0	
Unknown alkane						
14.158	155384	4.89	5	0	0	
Unknown alkane						
14.425	202617	6.37	5	0	0	
Unknown alkane						
14.703	165201	4.38	6	0	0	
Unknown alkane						
14.991	194168	5.14	6	0	0	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	5.856	681190	40.0
* 5 Chrysene-d12	14.024	1271766	40.0
* 6 Perylene-d12	15.322	1509981	40.0

QC Flag Legend

Processing Flags

Report Date: 13-Sep-2011 10:04:23

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File:

\\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4927.D

Injection Date: 12-Sep-2011 12:43:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C6 (5-6)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 16

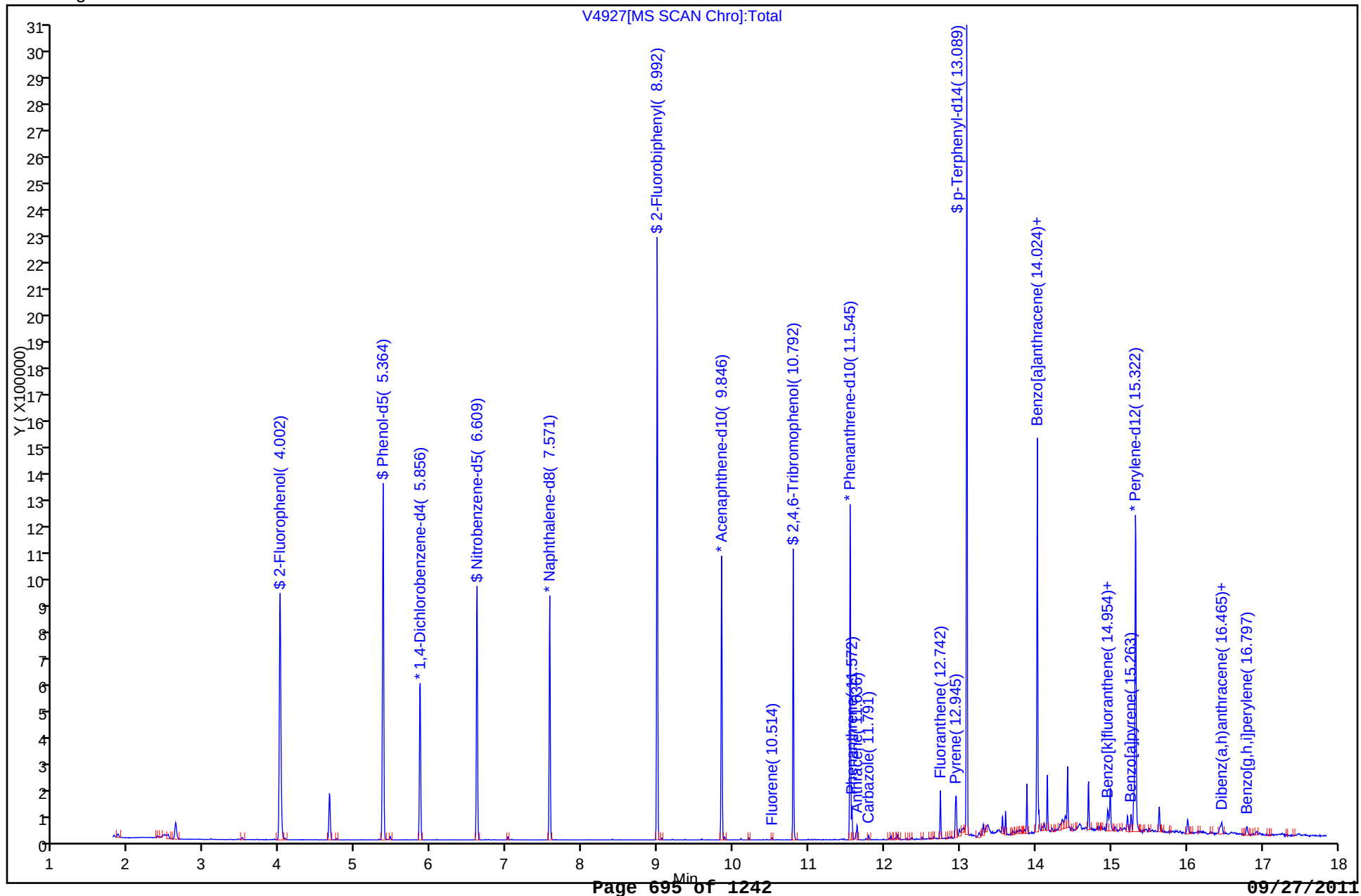
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4927.D

Injection Date: 12-Sep-2011 12:43:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C6 (5-6)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 16

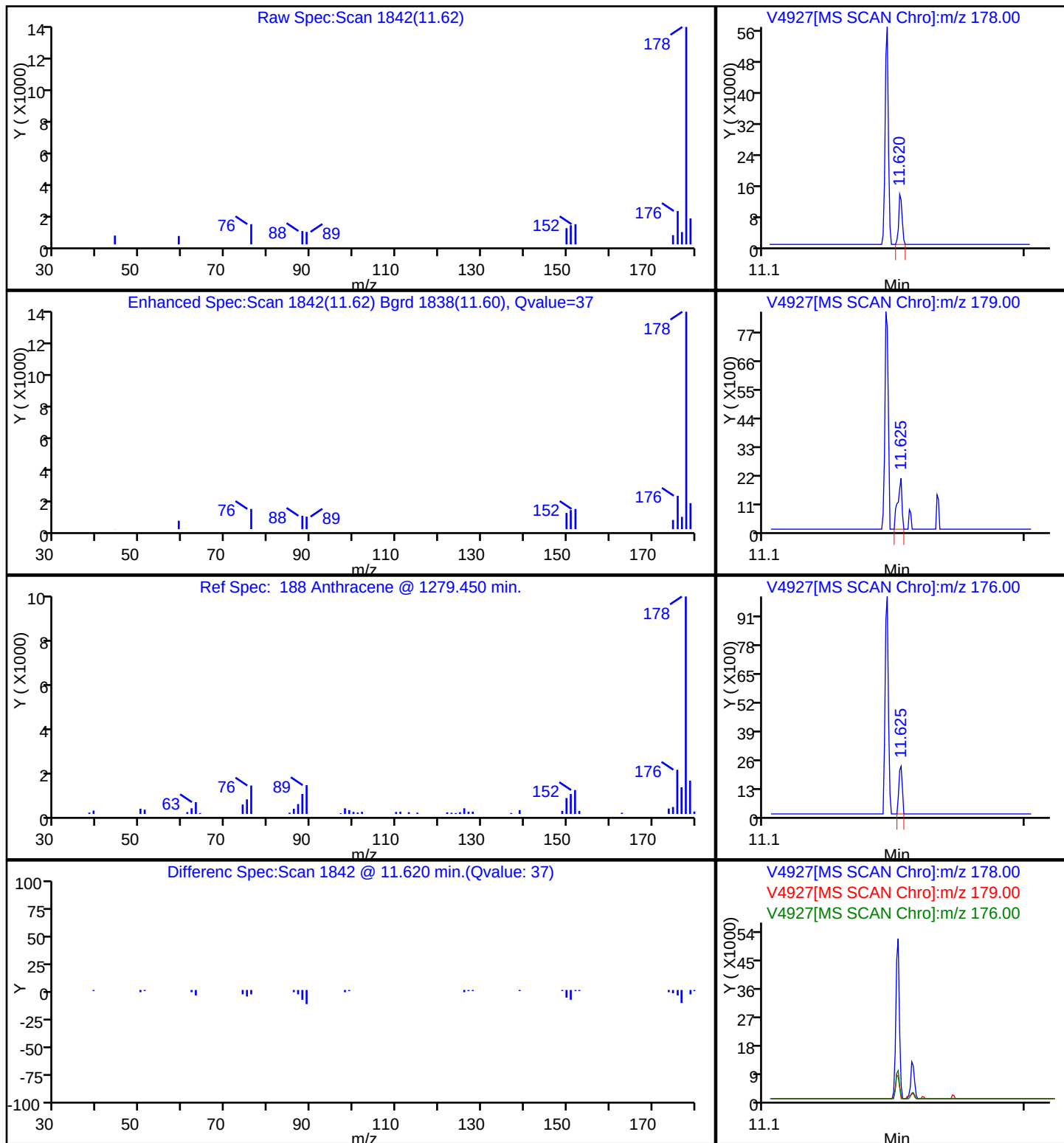
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

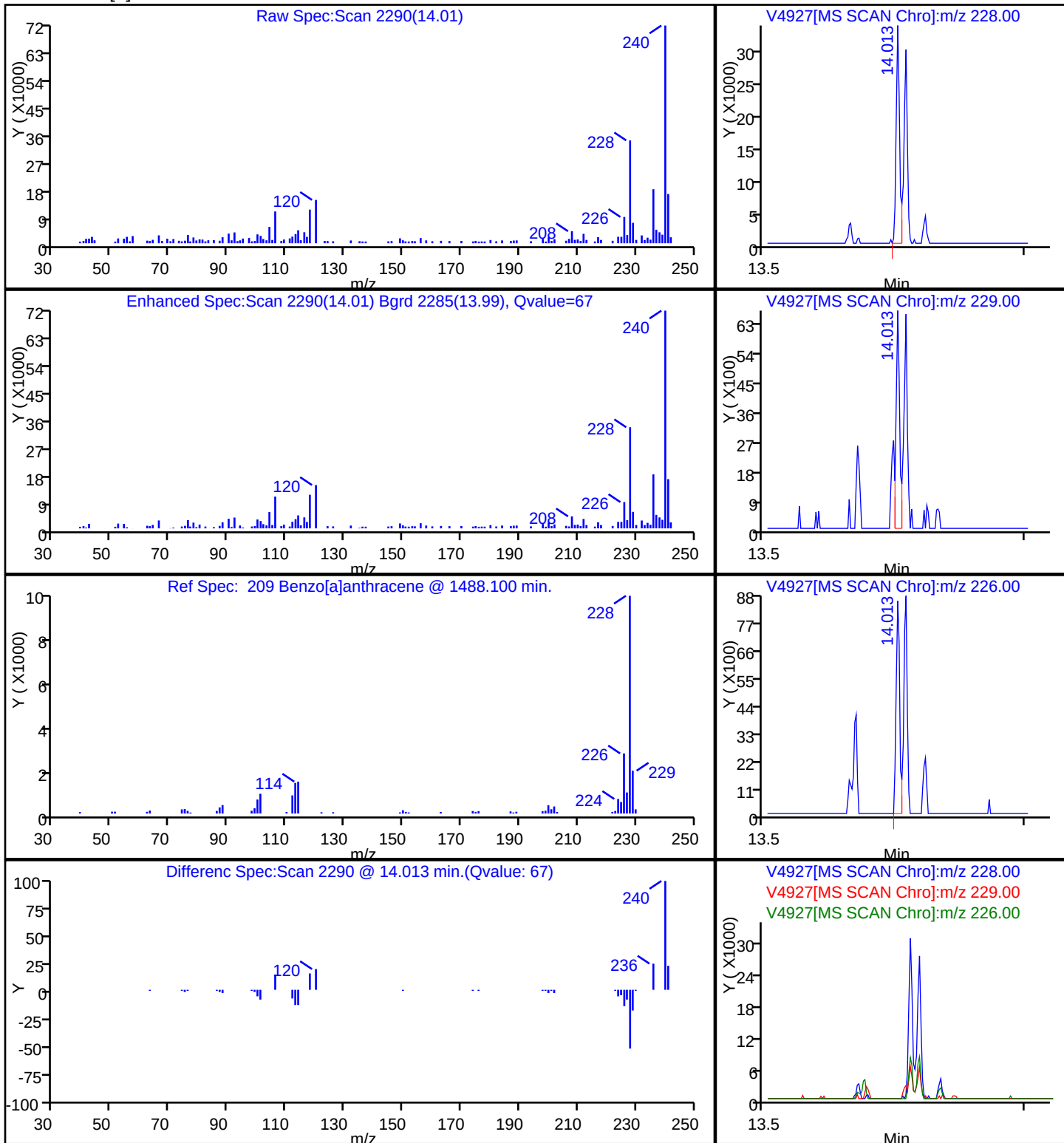
Column Dia: 0.25 mm

188 Anthracene



Report Date: 13-Sep-2011 10:04:24
Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4927.D
Injection Date: 12-Sep-2011 12:43:30
Client ID: SB-C6 (5-6)
Lims Batch ID: 30771
Operator ID: MKP
Column Type: RXI-5Sil MS
209 Benzo[a]anthracene

Chrom Revision: 2.0 01-Sep-2011 14:10:00
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973V
Lims Sample ID: 16
Injection Vol: 1.00 ul
Column Dia: 0.25 mm



Report Date: 13-Sep-2011 10:04:24

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4927.D

Injection Date: 12-Sep-2011 12:43:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C6 (5-6)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 16

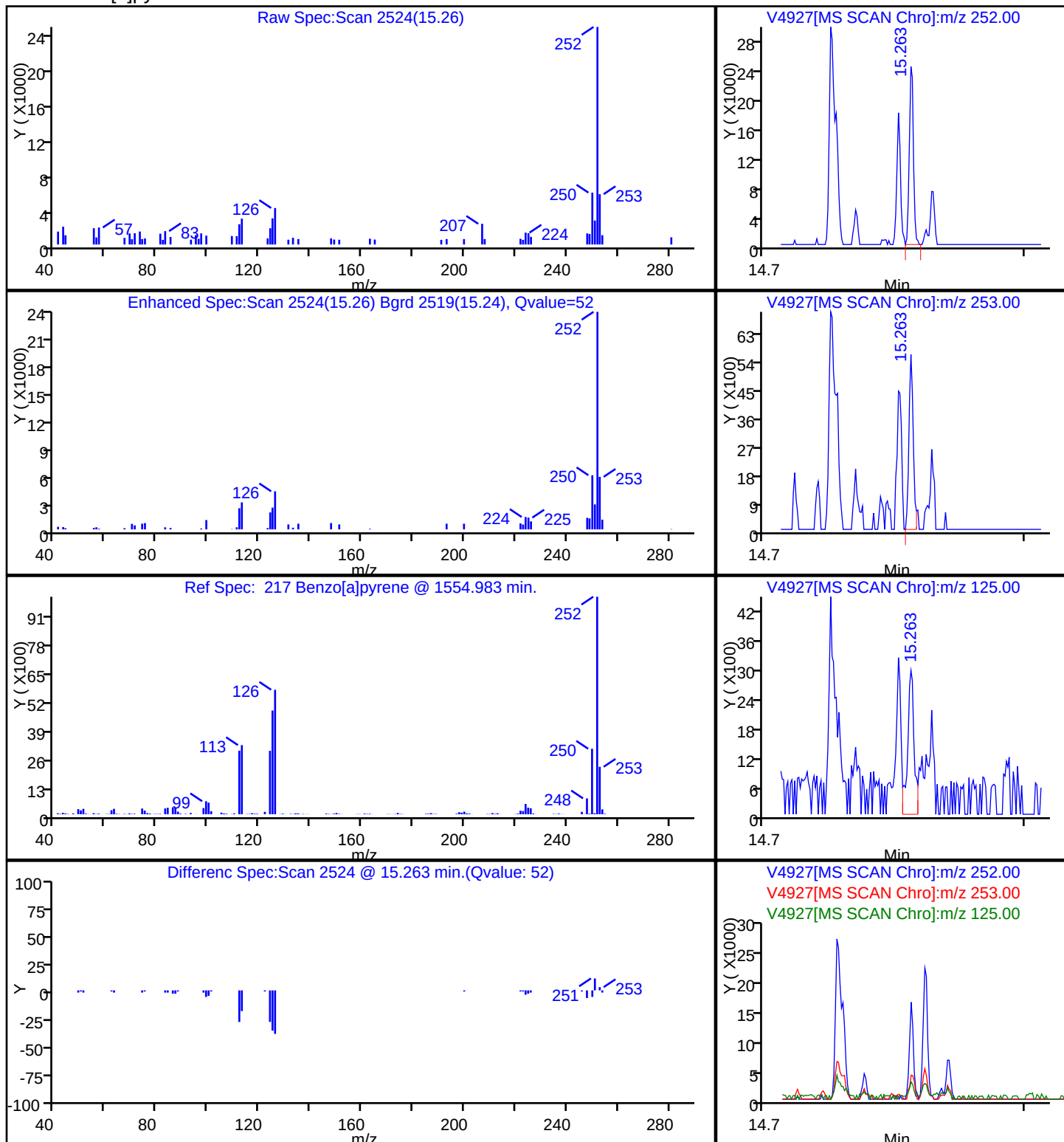
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

217 Benzo[a]pyrene



Report Date: 13-Sep-2011 10:04:24

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4927.D

Injection Date: 12-Sep-2011 12:43:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C6 (5-6)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 16

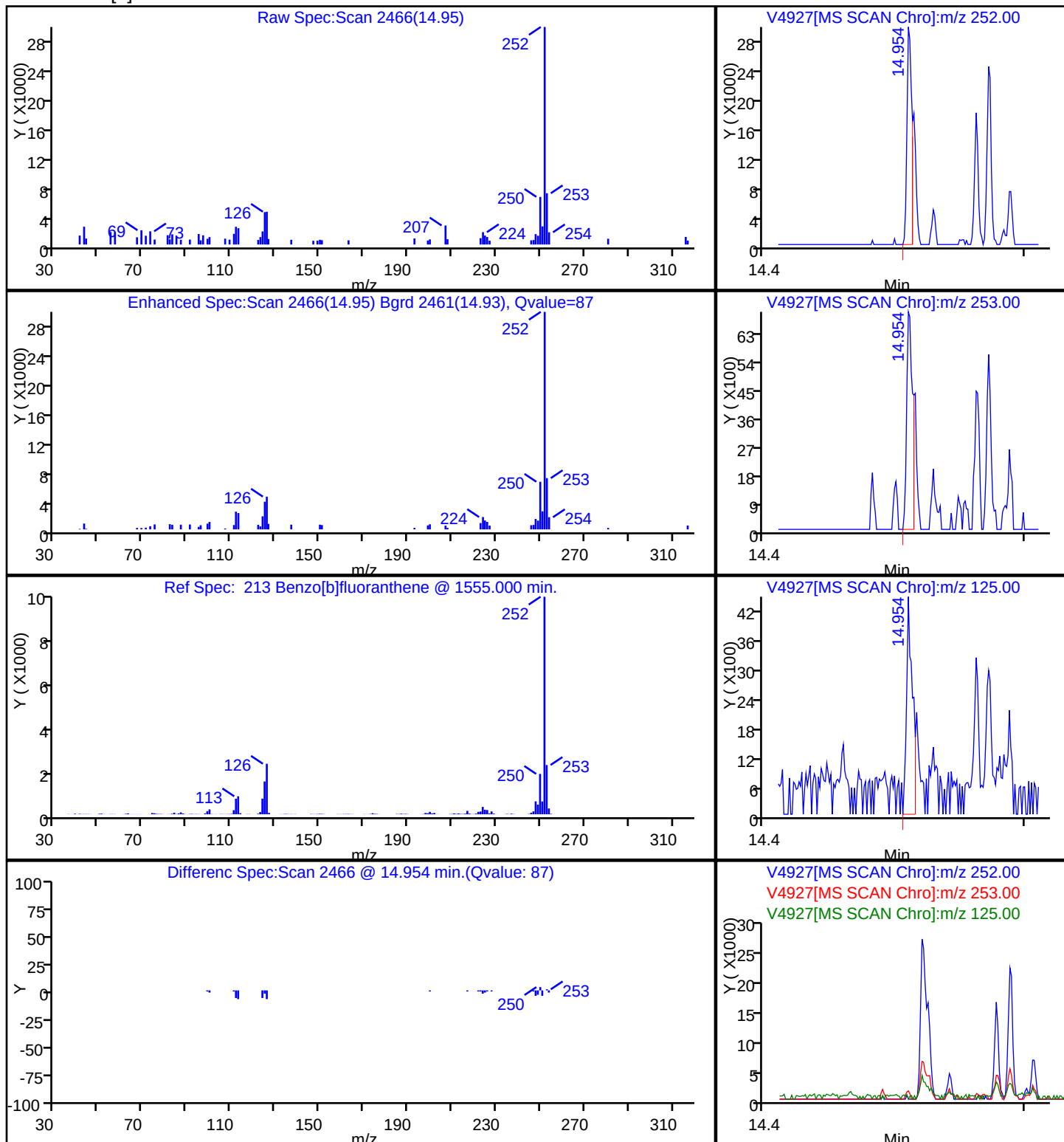
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

213 Benzo[b]fluoranthene



Report Date: 13-Sep-2011 10:04:24

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4927.D

Injection Date: 12-Sep-2011 12:43:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C6 (5-6)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 16

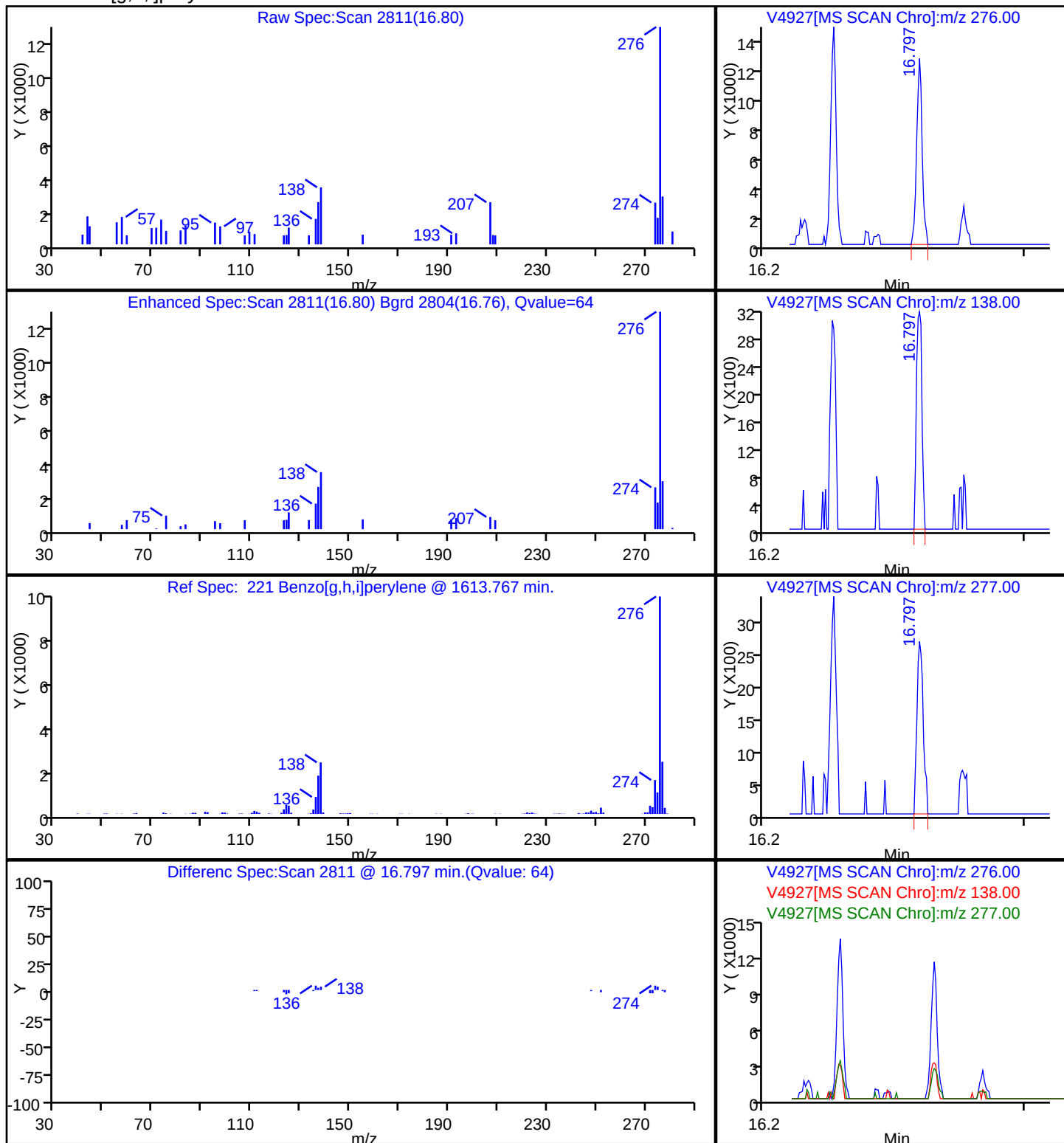
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

221 Benzo[g,h,i]perylene



Report Date: 13-Sep-2011 10:04:24

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4927.D

Injection Date: 12-Sep-2011 12:43:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C6 (5-6)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 16

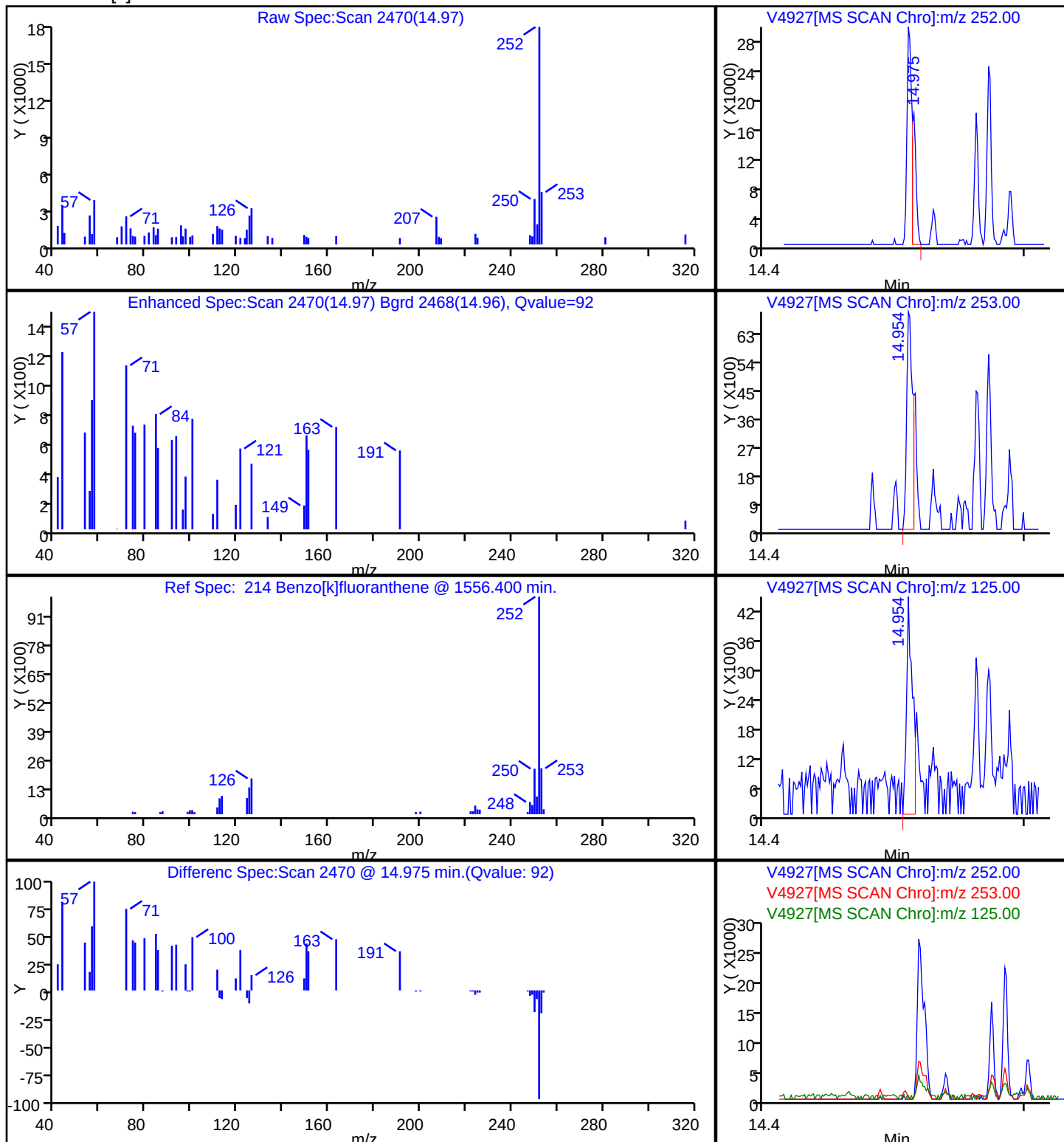
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

214 Benzo[k]fluoranthene



Report Date: 13-Sep-2011 10:04:24

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4927.D

Injection Date: 12-Sep-2011 12:43:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C6 (5-6)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 16

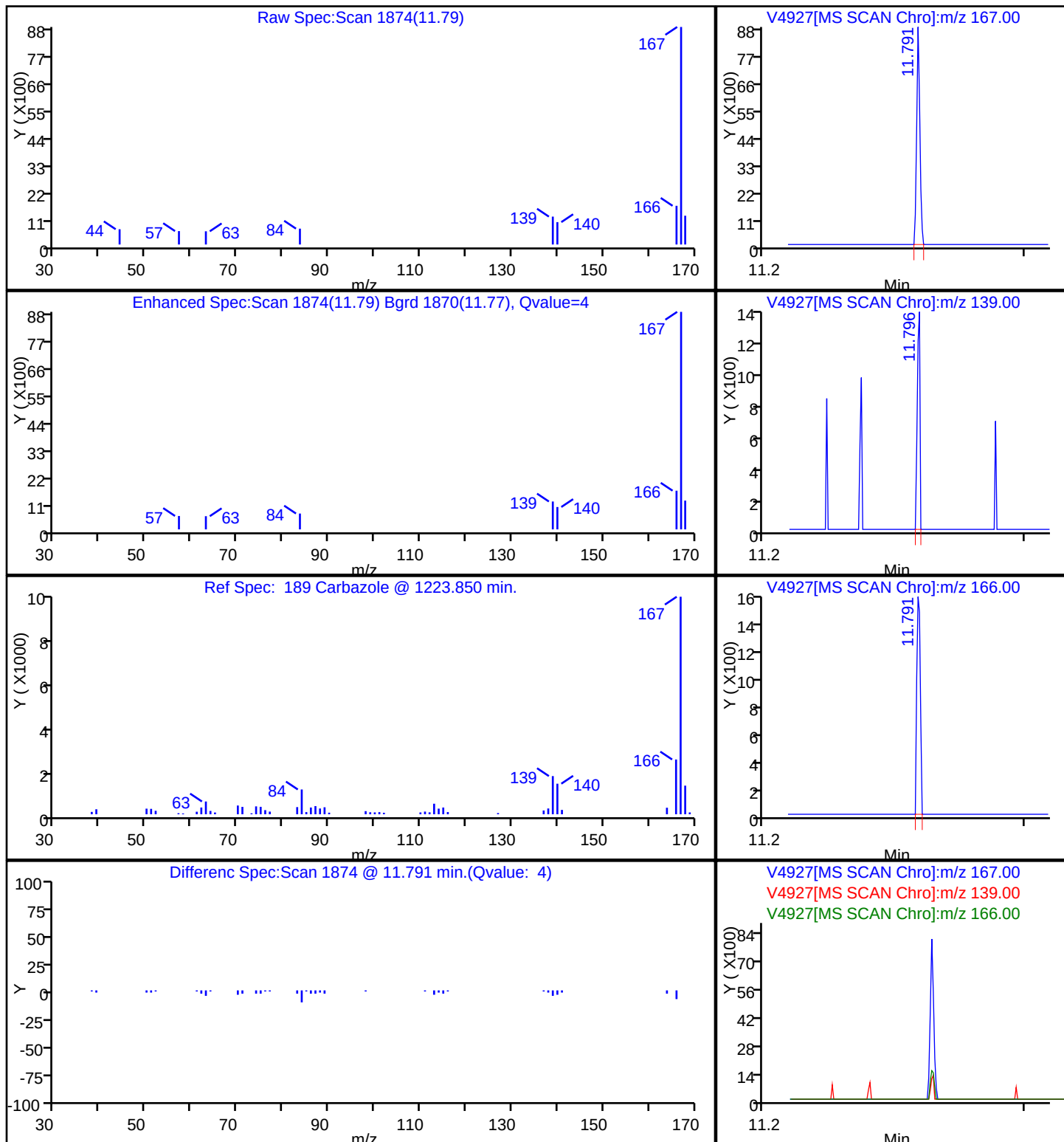
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

189 Carbazole



Report Date: 13-Sep-2011 10:04:24

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4927.D

Injection Date: 12-Sep-2011 12:43:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C6 (5-6)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 16

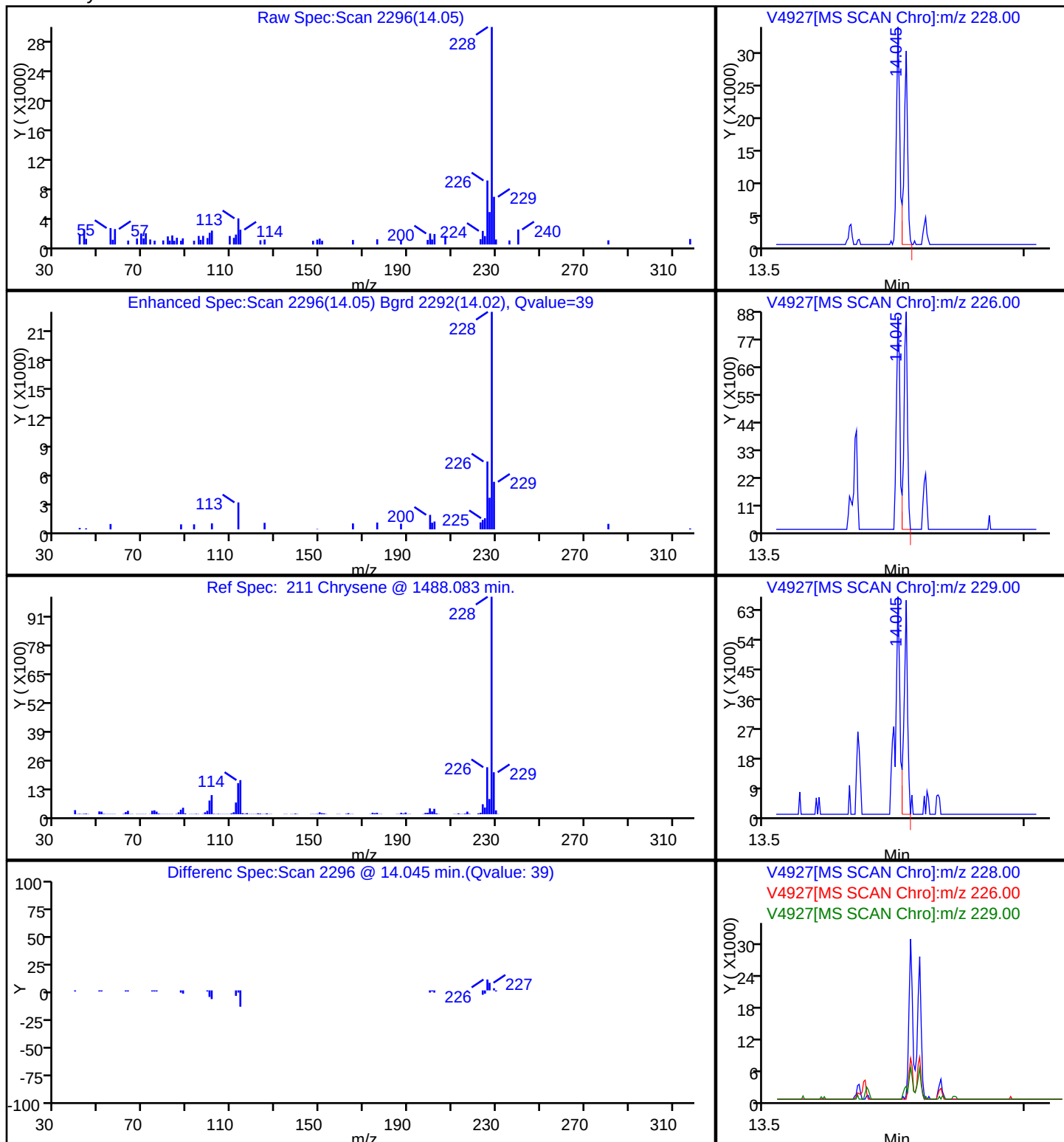
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

211 Chrysene



Report Date: 13-Sep-2011 10:04:24

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4927.D

Injection Date: 12-Sep-2011 12:43:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C6 (5-6)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 16

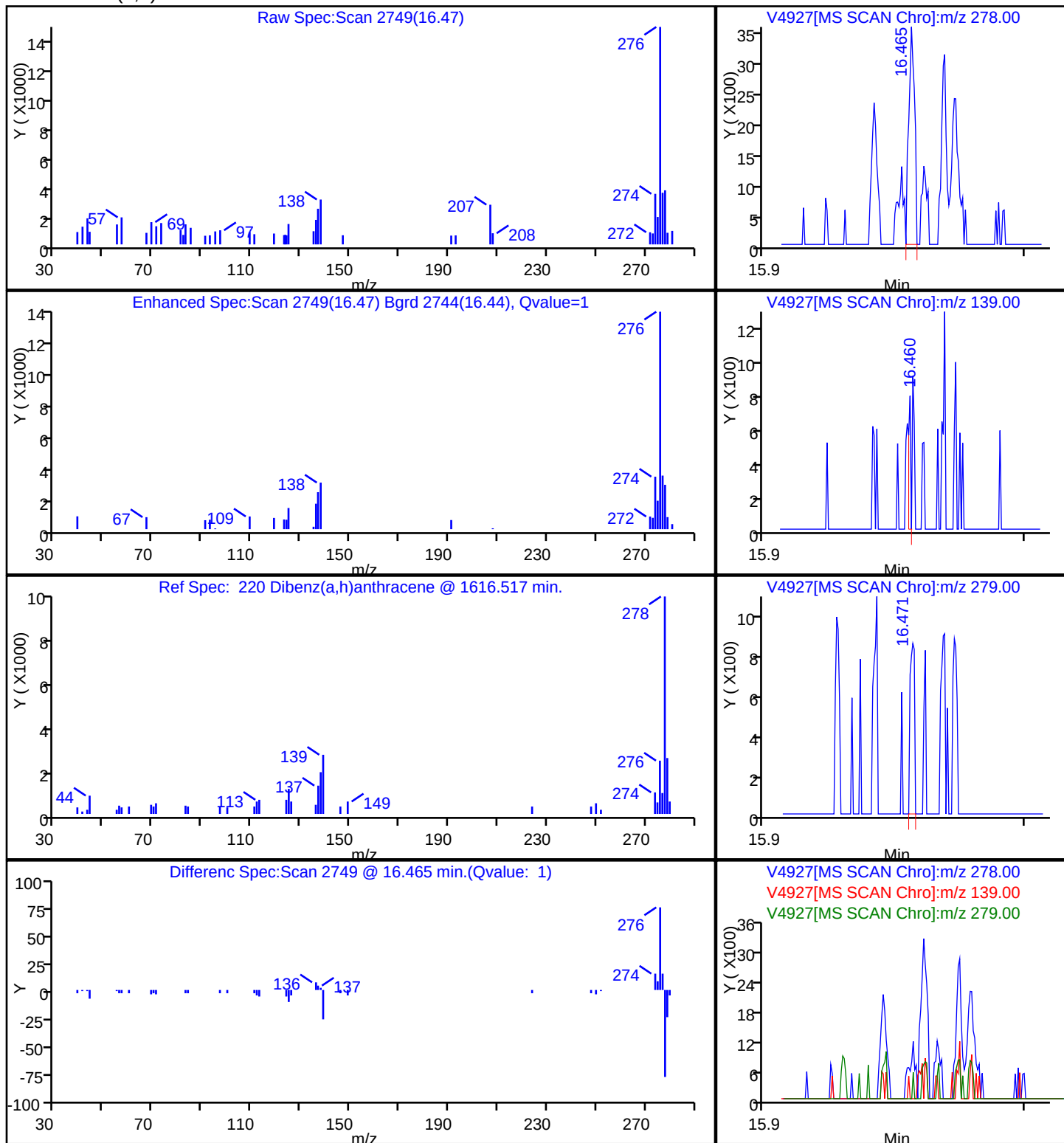
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

220 Dibenz(a,h)anthracene



Report Date: 13-Sep-2011 10:04:24

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4927.D

Injection Date: 12-Sep-2011 12:43:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C6 (5-6)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 16

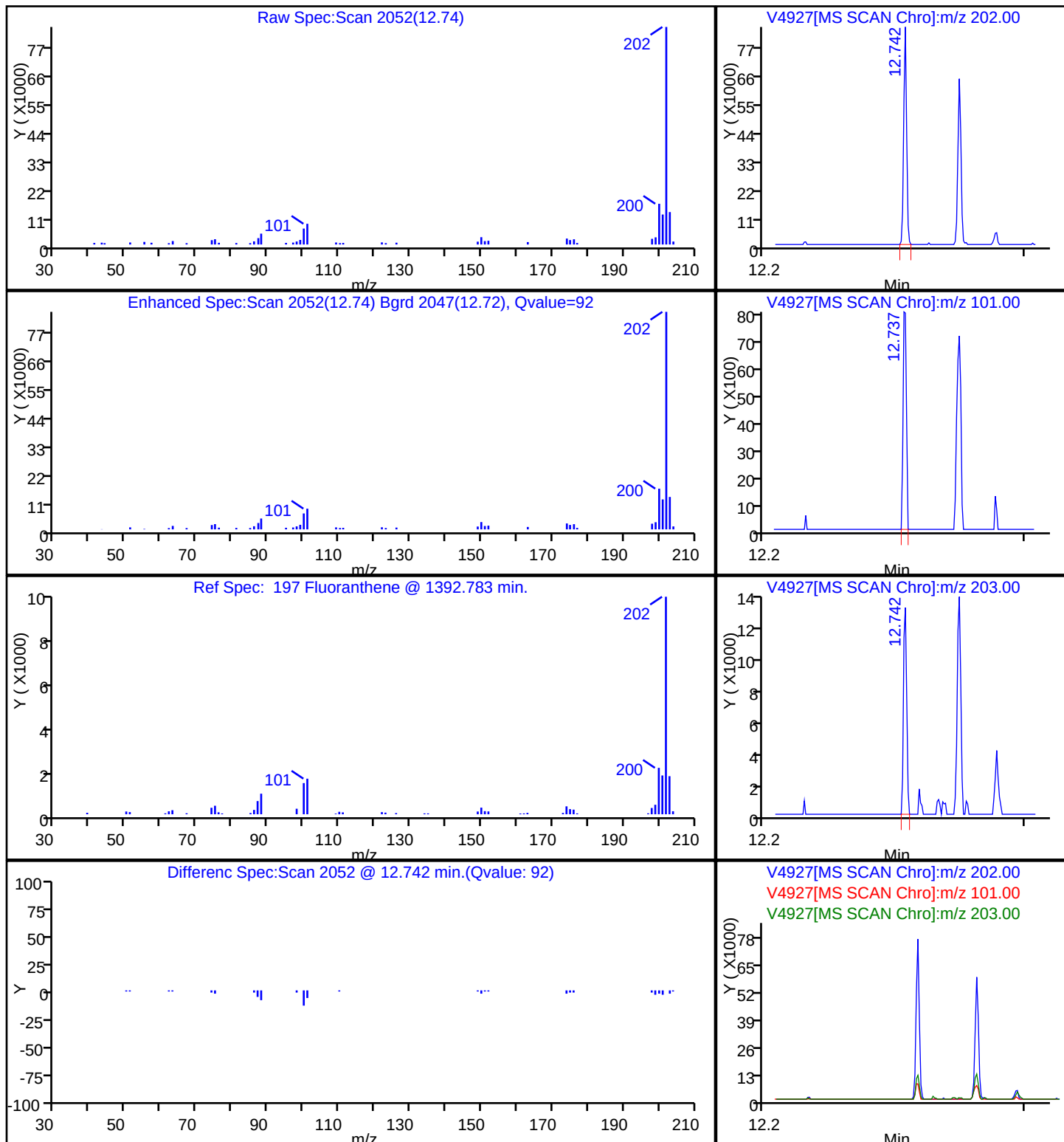
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

197 Fluoranthene



Report Date: 13-Sep-2011 10:04:24

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File:

\\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4927.D

Injection Date: 12-Sep-2011 12:43:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C6 (5-6)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 16

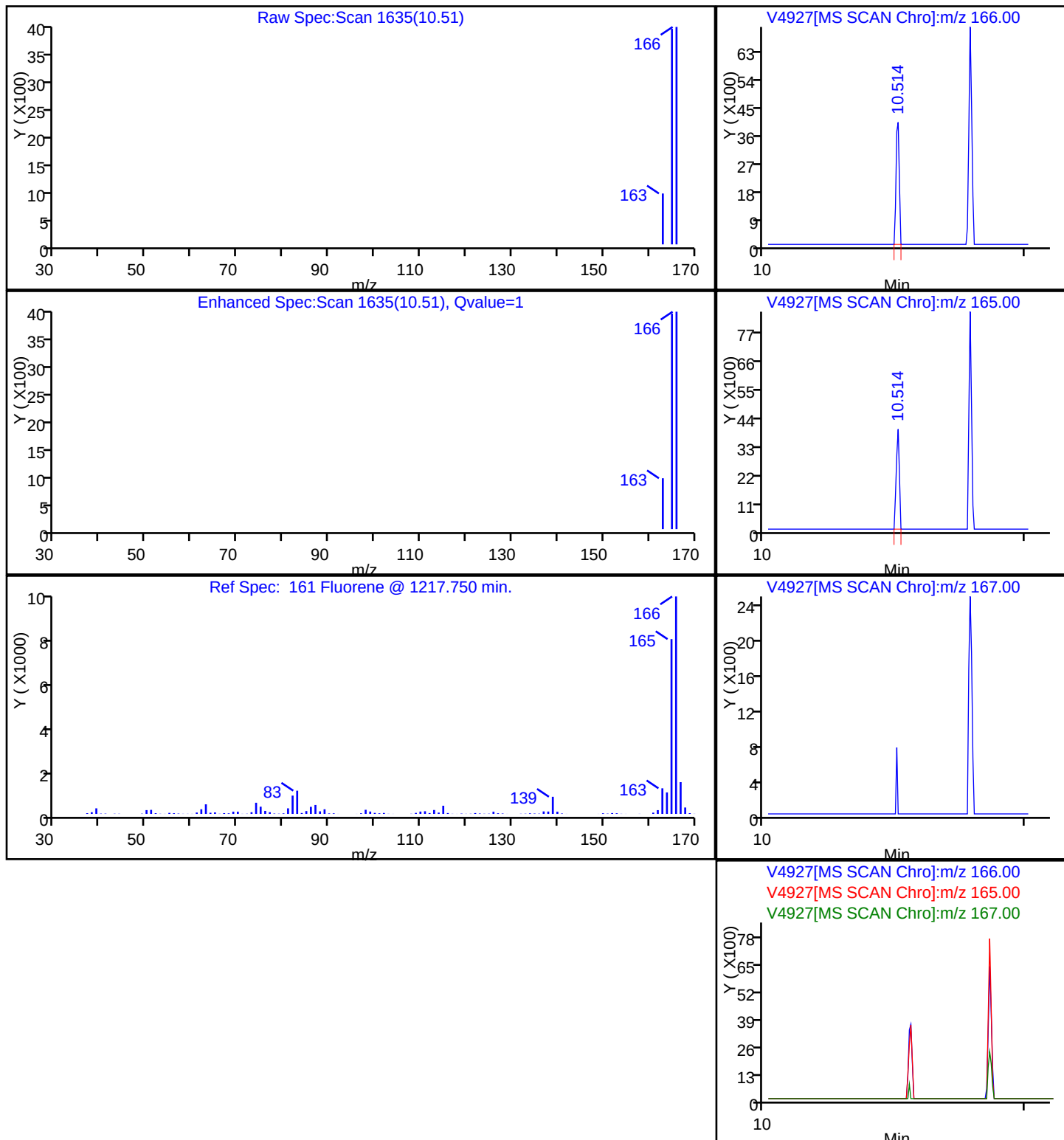
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

161 Fluorene



Report Date: 13-Sep-2011 10:04:24

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4927.D

Injection Date: 12-Sep-2011 12:43:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C6 (5-6)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 16

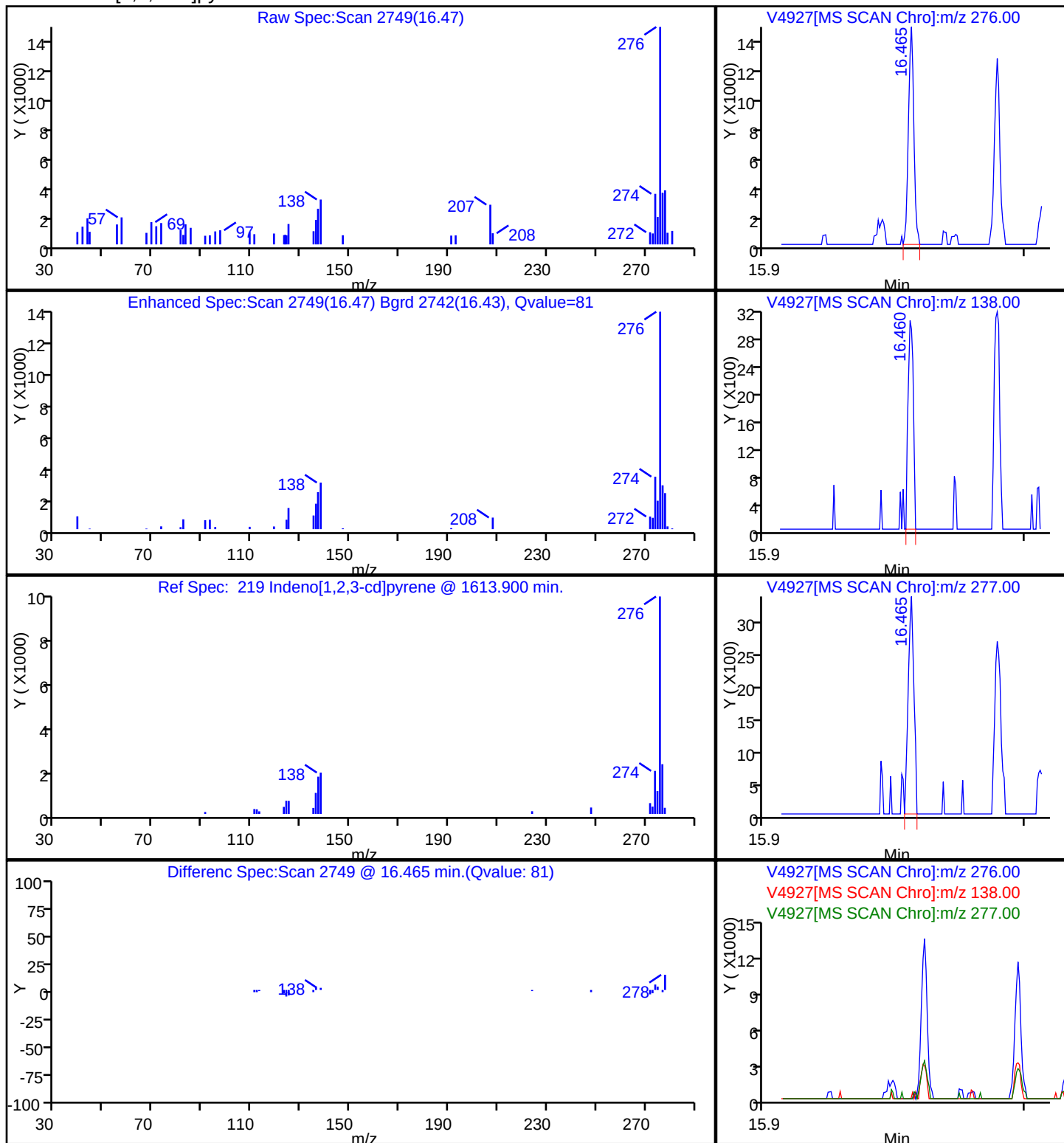
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

219 Indeno[1,2,3-cd]pyrene



Report Date: 13-Sep-2011 10:04:24

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4927.D

Injection Date: 12-Sep-2011 12:43:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C6 (5-6)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 16

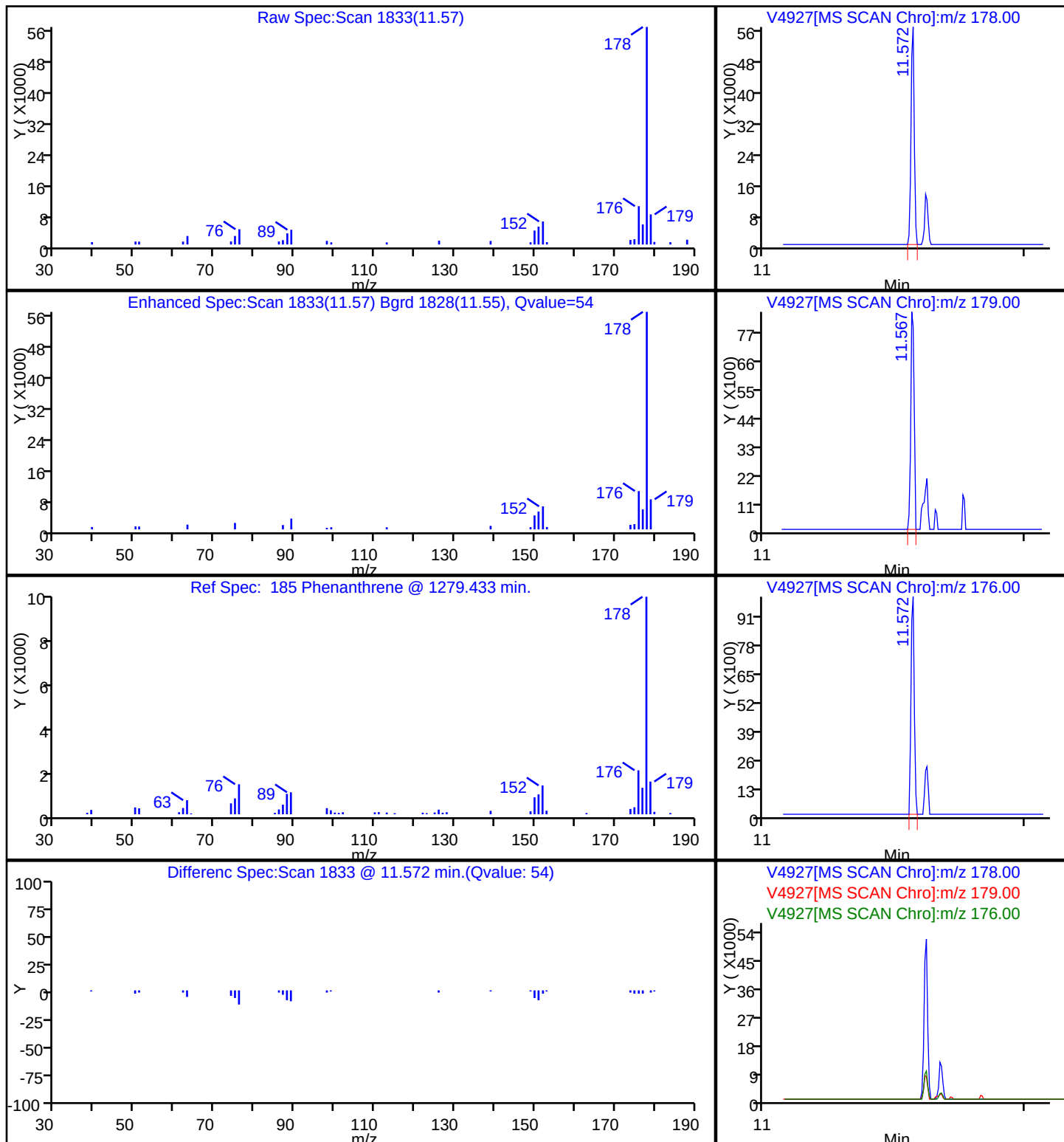
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

185 Phenanthrene



Report Date: 13-Sep-2011 10:04:24

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4927.D

Injection Date: 12-Sep-2011 12:43:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C6 (5-6)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 16

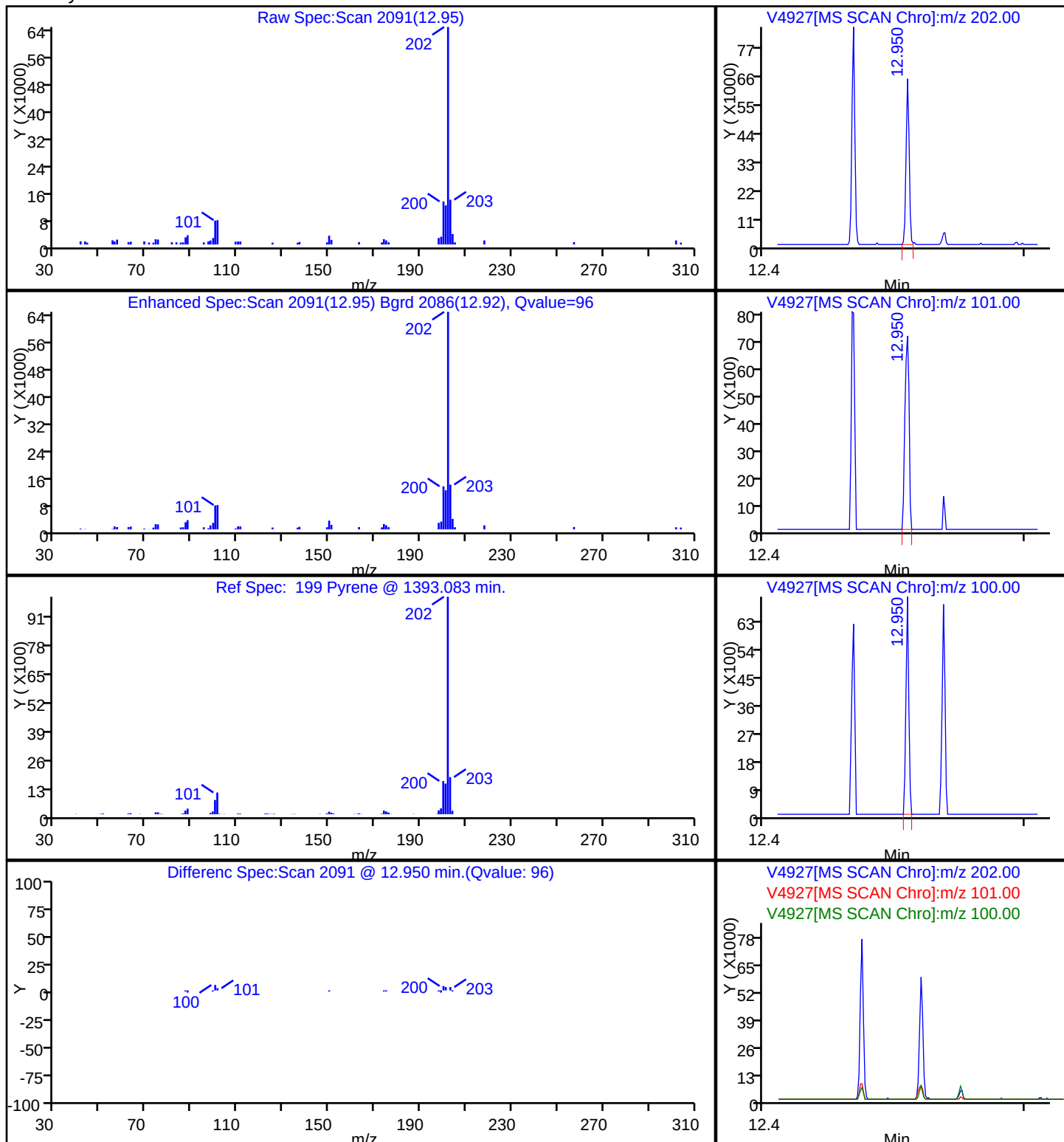
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

199 Pyrene

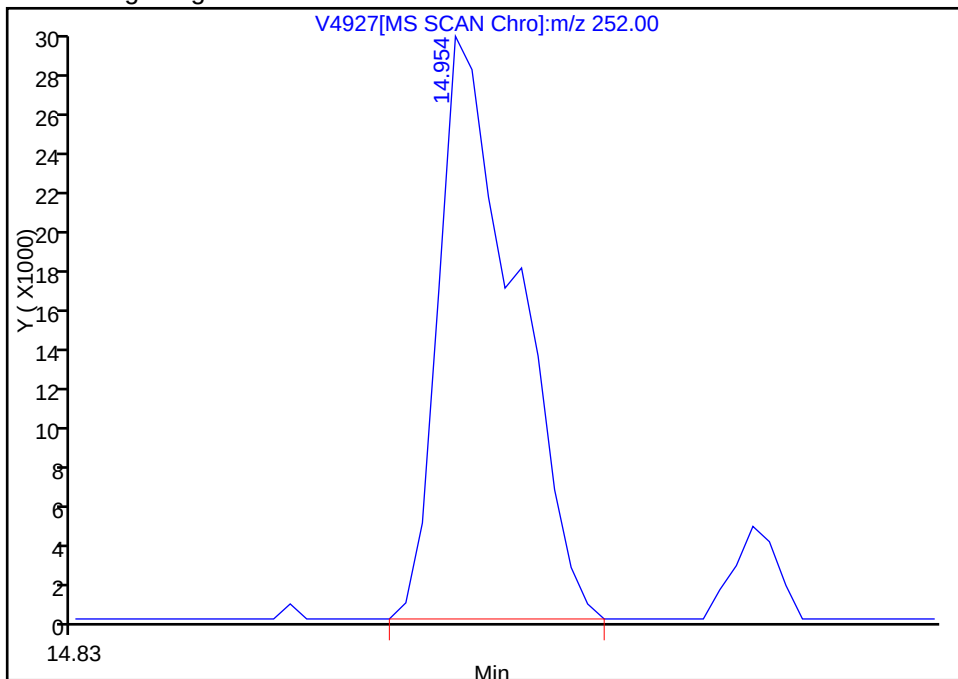


Data File:	\\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4927.D		
Injection Date:	12-Sep-2011 12:43:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-C6 (5-6)	Instrument ID:	HP5973V
Lims Batch ID:	30771	Lims Sample ID:	16
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.96

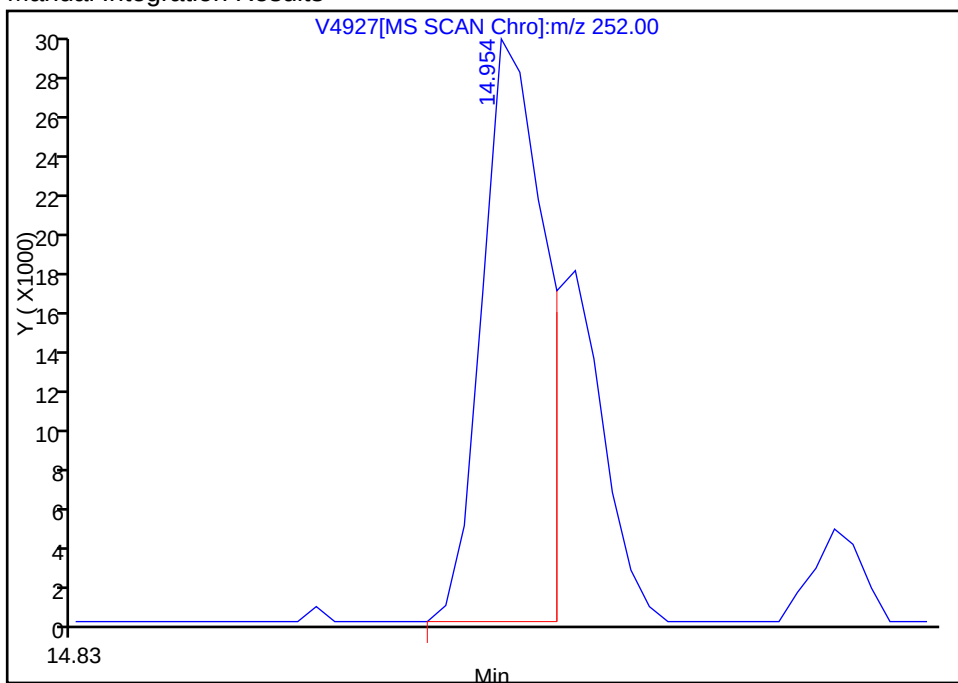
RT: 14.95
Response: 51106
Amount: 3.537792

Processing Integration Results



RT: 14.95
Response: 37916
Amount: 2.624720

Manual Integration Results



Reviewer: pagem, 13-Sep-2011 10:04:23

Audit Action: Split an Integrated Peak

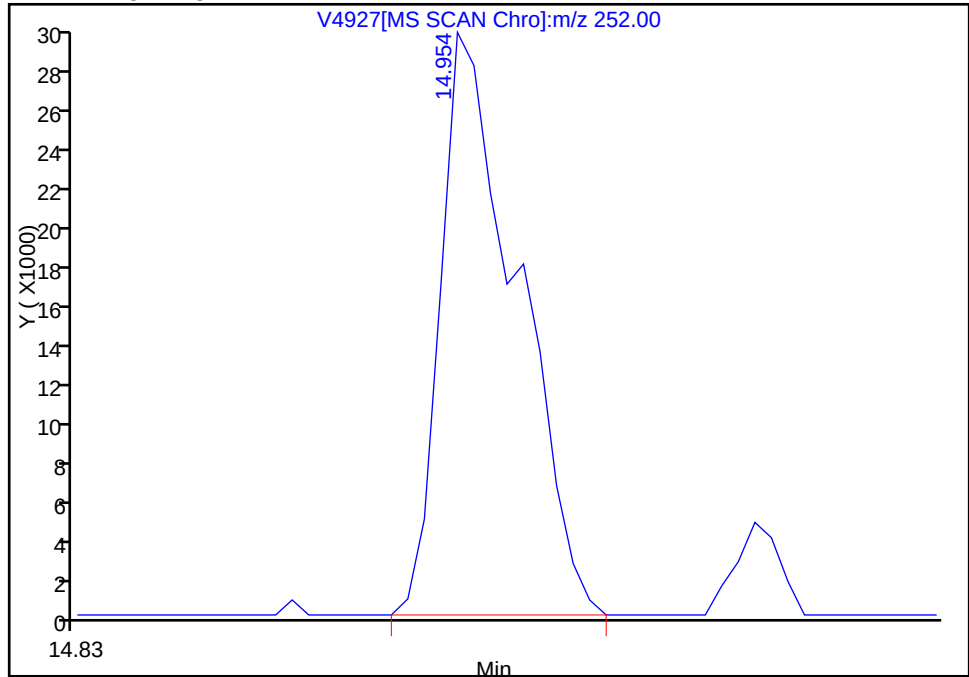
Audit Reason: Coelution

Data File:	\\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4927.D		
Injection Date:	12-Sep-2011 12:43:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-C6 (5-6)	Instrument ID:	HP5973V
Lims Batch ID:	30771	Lims Sample ID:	16
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.99

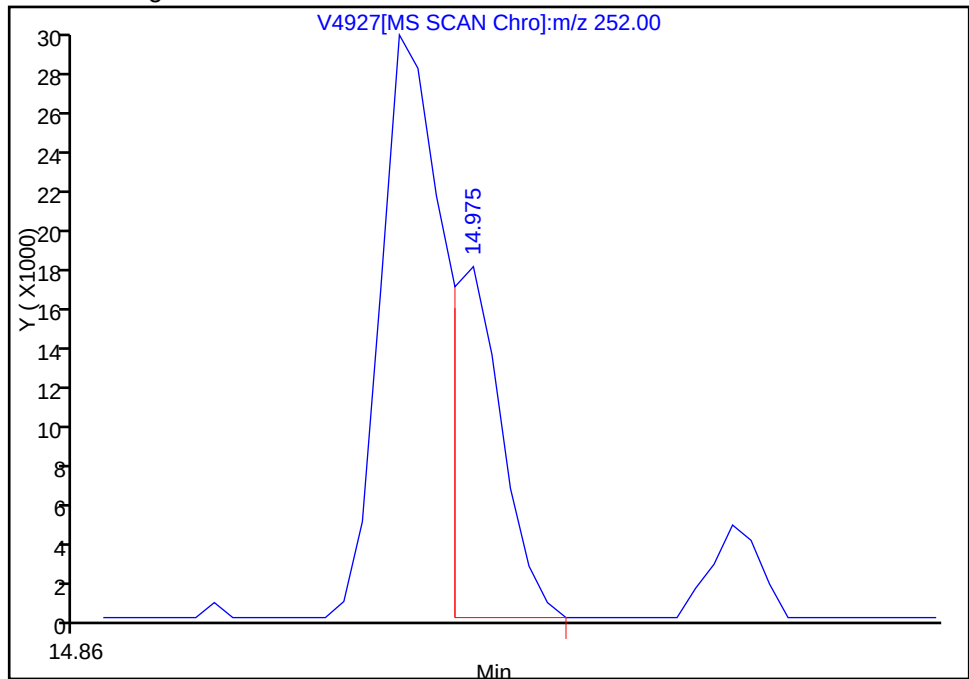
RT: 14.95
Response: 51106
Amount: 3.374610

Processing Integration Results



RT: 14.97
Response: 18582
Amount: 1.226999

Manual Integration Results



Reviewer: pagem, 13-Sep-2011 10:04:23
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

Report Date: 13-Sep-2011 10:04:24

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4927.D

Injection Date: 12-Sep-2011 12:43:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C6 (5-6)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 16

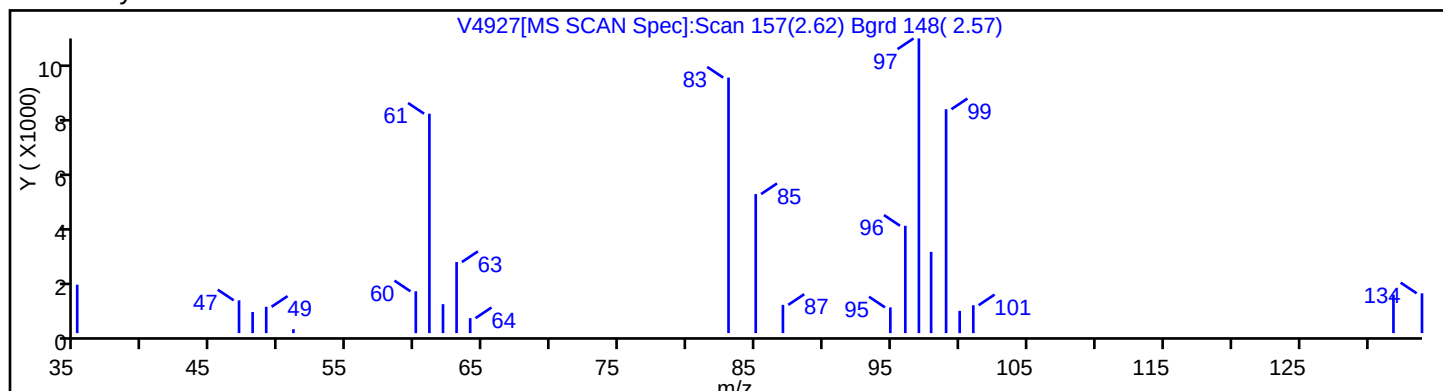
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 13-Sep-2011 10:04:24

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4927.D

Injection Date: 12-Sep-2011 12:43:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C6 (5-6)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 16

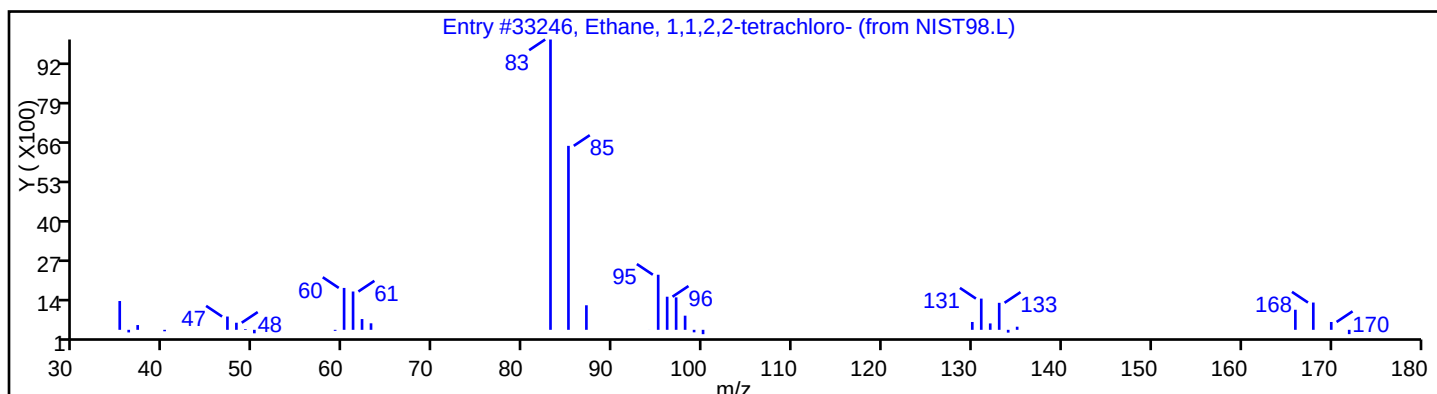
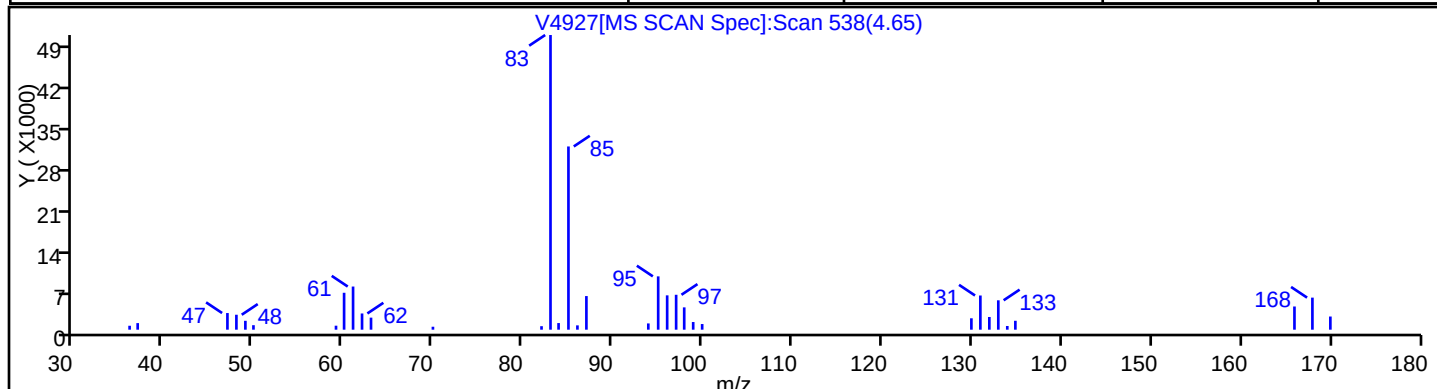
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Voa Target		NIST98.L	0	0
Ethane, 1,1,2,2-tetrachloro-	79-34-5	NIST98.L	33246	98



Report Date: 13-Sep-2011 10:04:24

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4927.D

Injection Date: 12-Sep-2011 12:43:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C6 (5-6)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 16

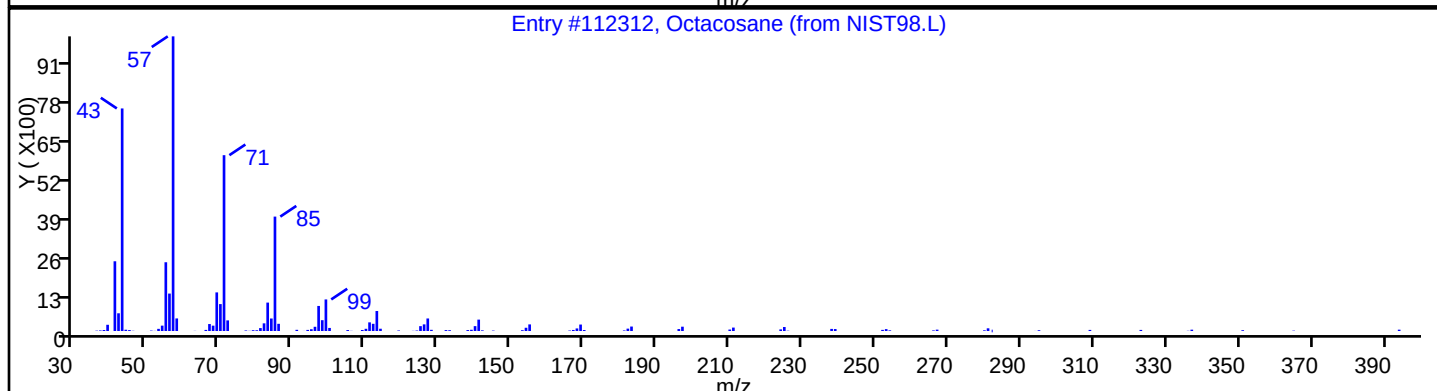
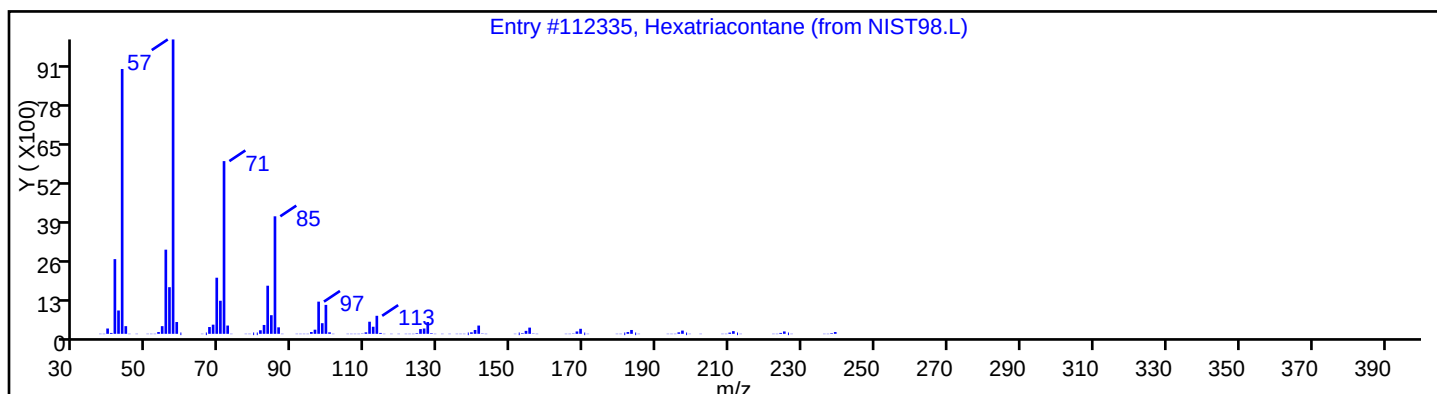
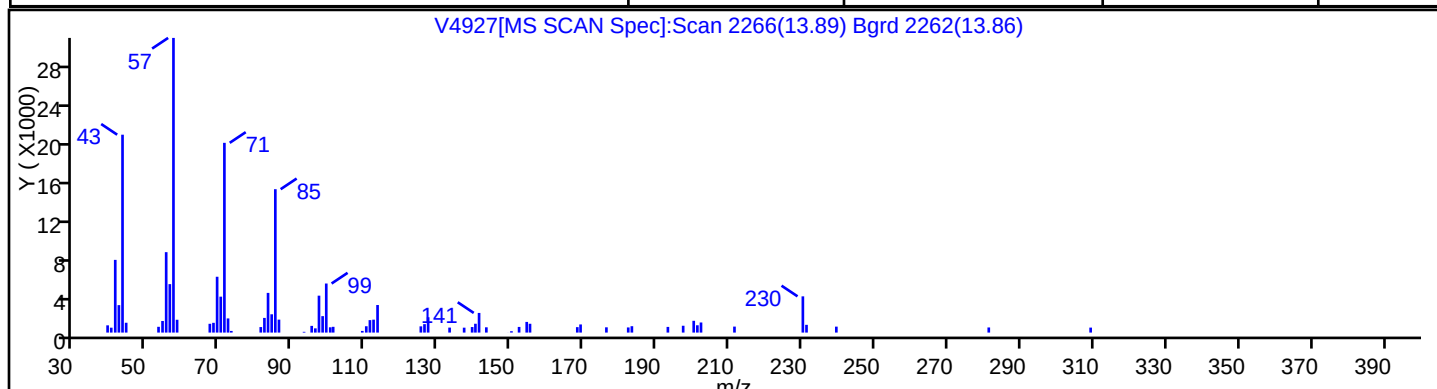
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown alkane		NIST98.L	0	0
Hexatriacontane	630-6-8	NIST98.L	112335	87
Octacosane	630-2-4	NIST98.L	112312	87



Report Date: 13-Sep-2011 10:04:24

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4927.D

Injection Date: 12-Sep-2011 12:43:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C6 (5-6)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 16

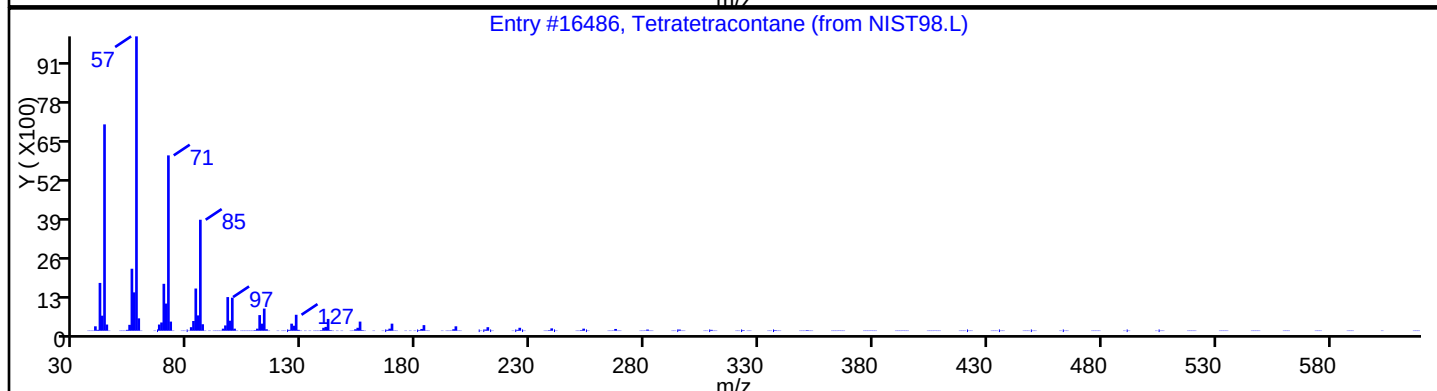
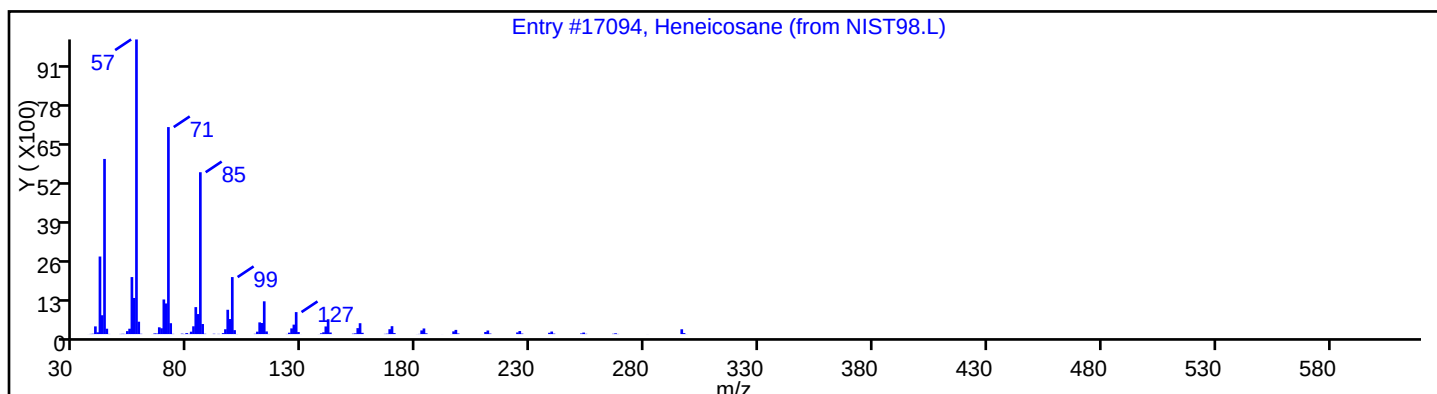
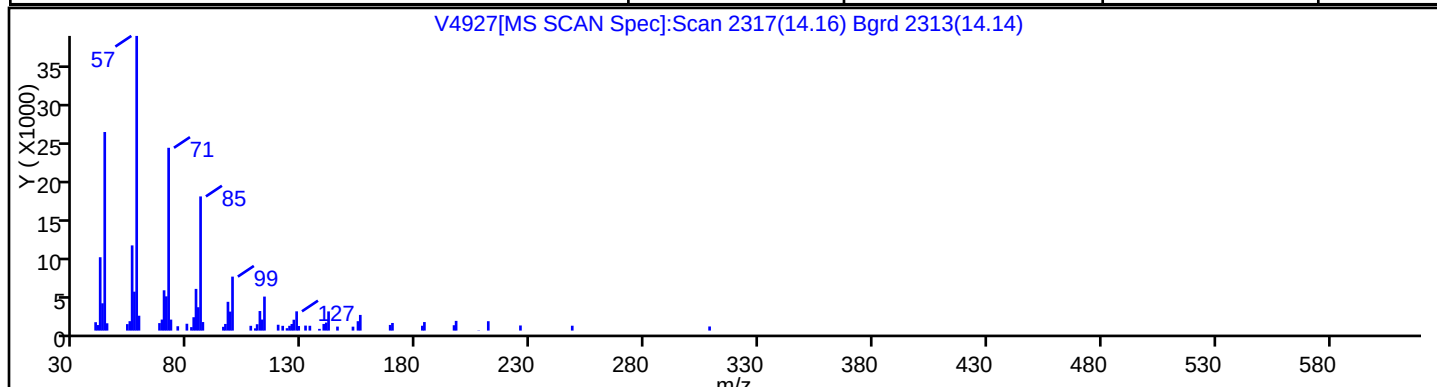
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown alkane		NIST98.L	0	0
Heneicosane	629-94-7	NIST98.L	17094	91
Tetratetracontane	7098-22-8	NIST98.L	16486	91



Data File:

\\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4927.D

Injection Date: 12-Sep-2011 12:43:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C6 (5-6)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 16

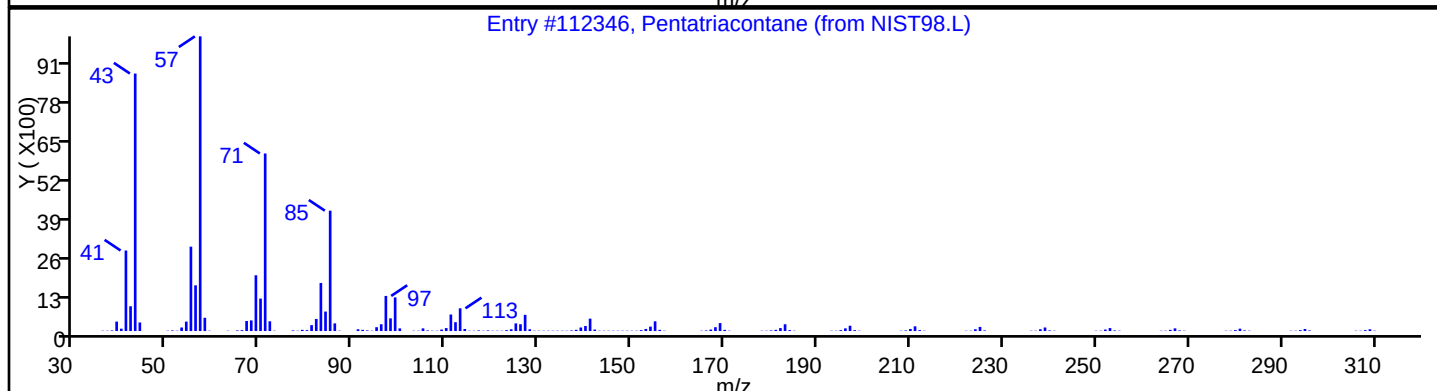
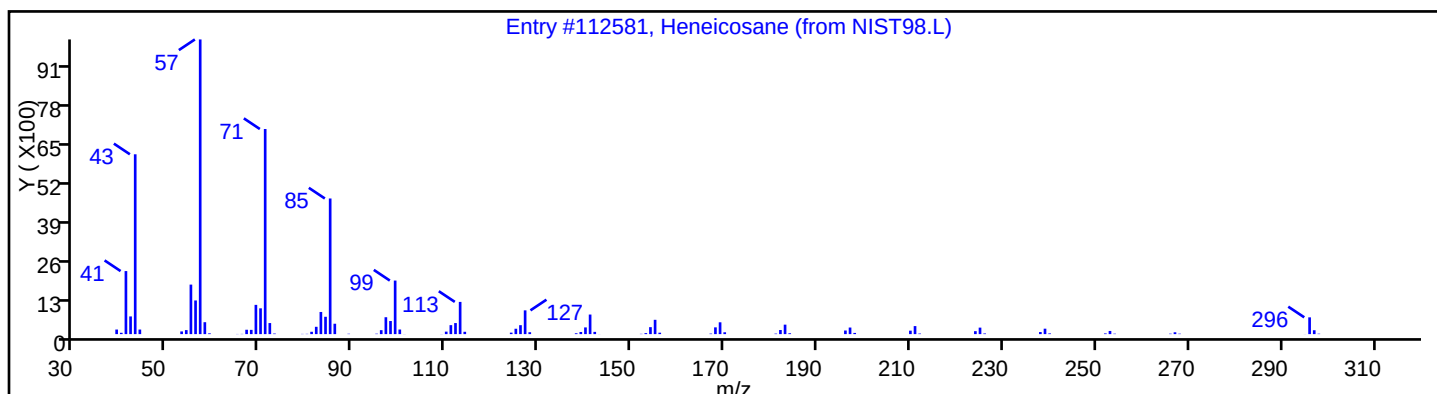
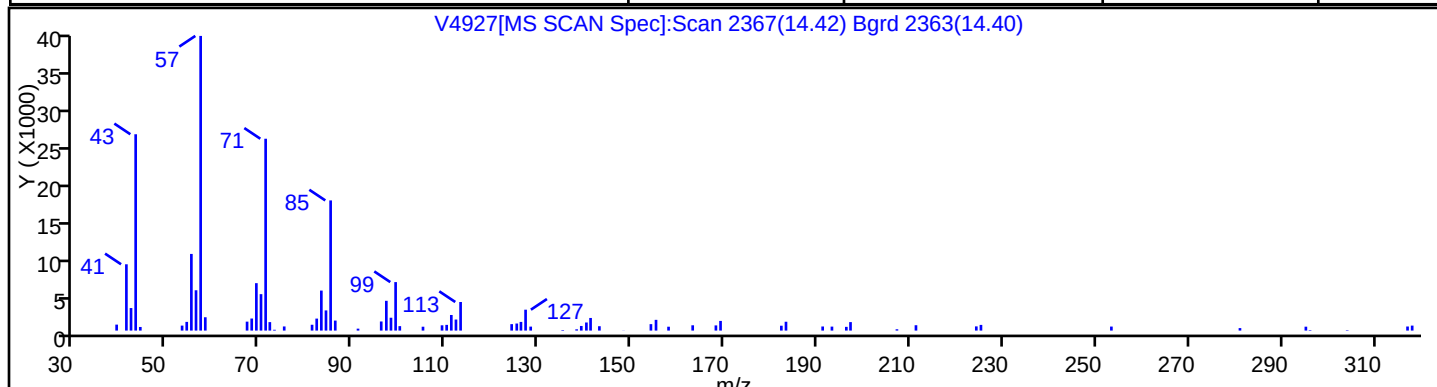
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown alkane		NIST98.L	0	0
Heneicosane	629-94-7	NIST98.L	112581	95
Pentatriacontane	630-7-9	NIST98.L	112346	93



Report Date: 13-Sep-2011 10:04:24

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4927.D

Injection Date: 12-Sep-2011 12:43:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C6 (5-6)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 16

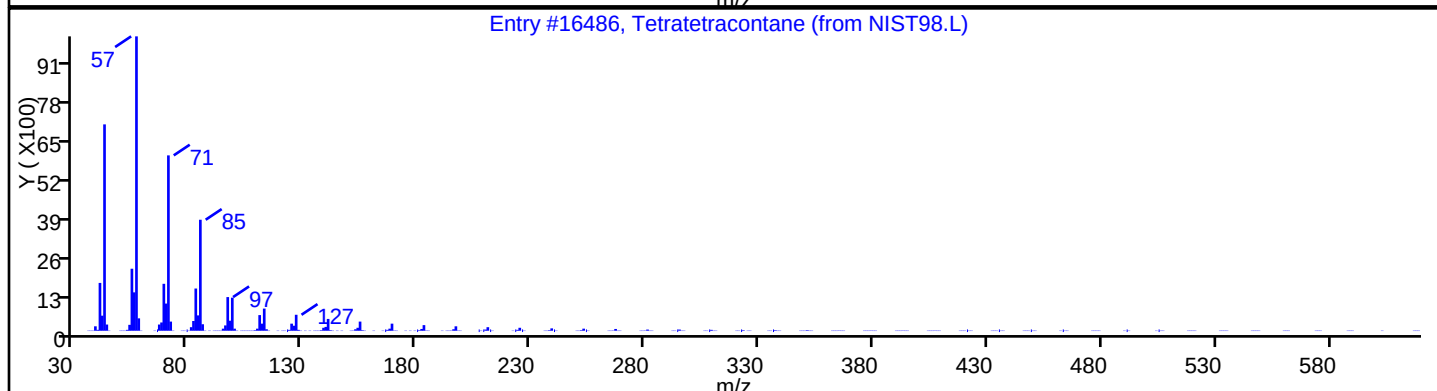
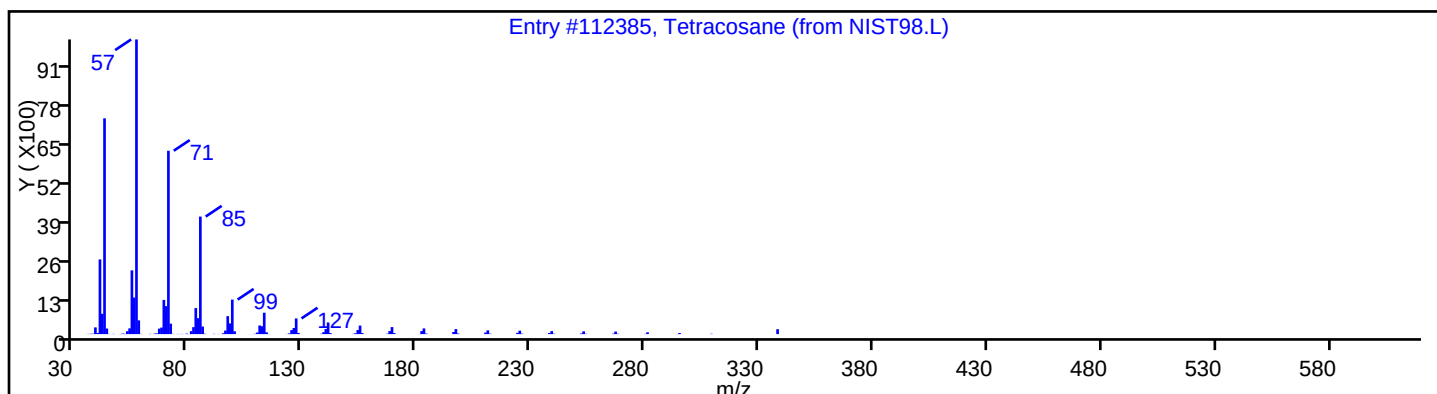
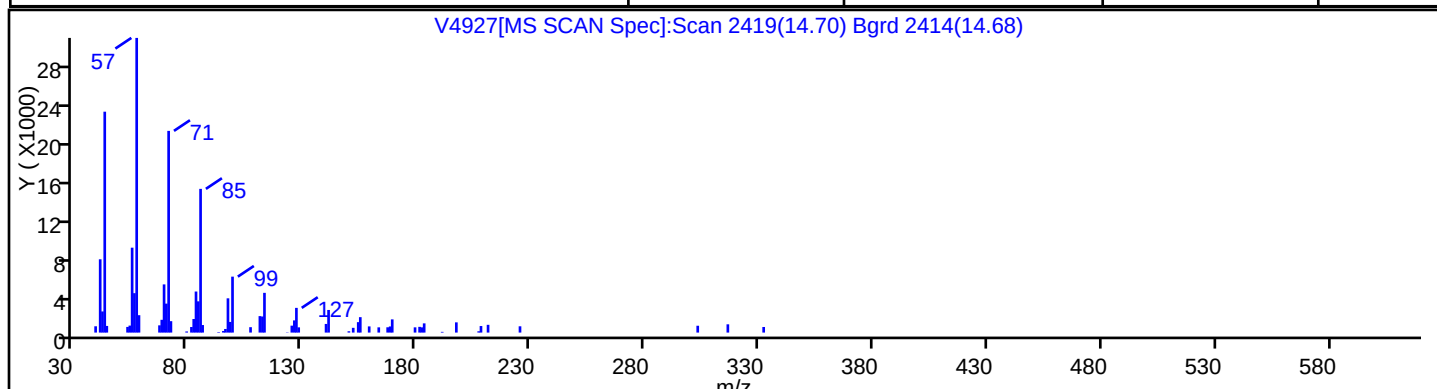
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown alkane		NIST98.L	0	0
Tetracosane	646-31-1	NIST98.L	112385	91
Tetratetracontane	7098-22-8	NIST98.L	16486	91



Report Date: 13-Sep-2011 10:04:24

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4927.D

Injection Date: 12-Sep-2011 12:43:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C6 (5-6)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 16

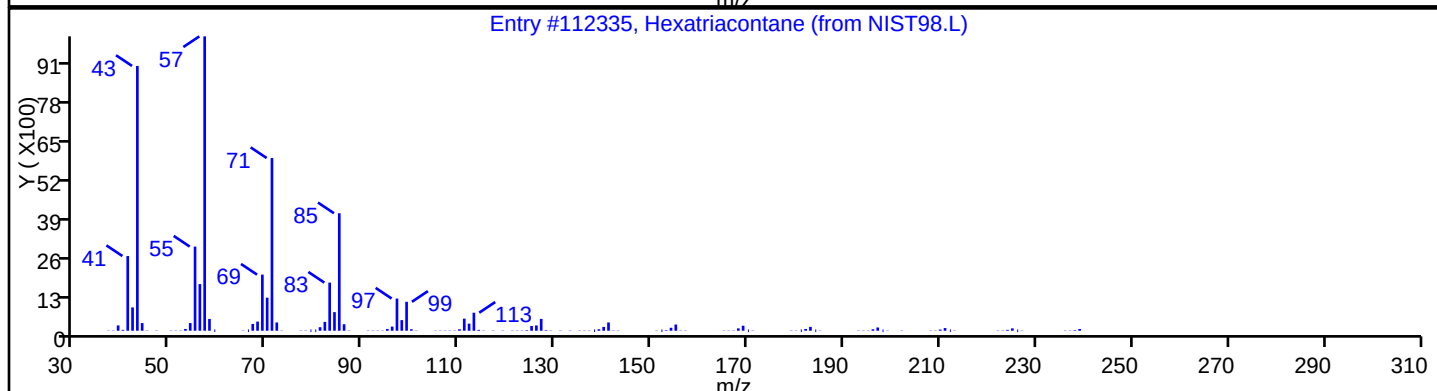
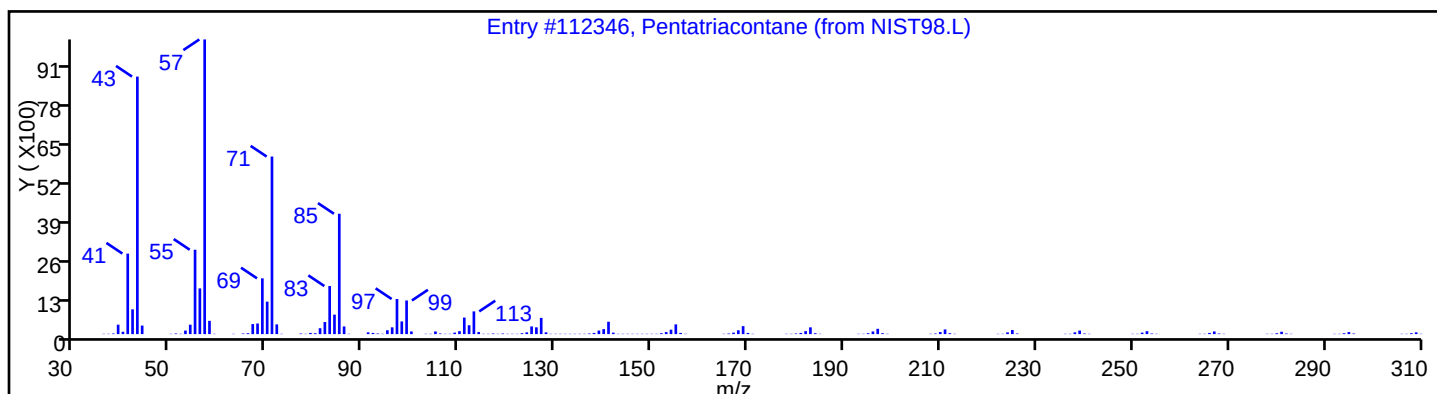
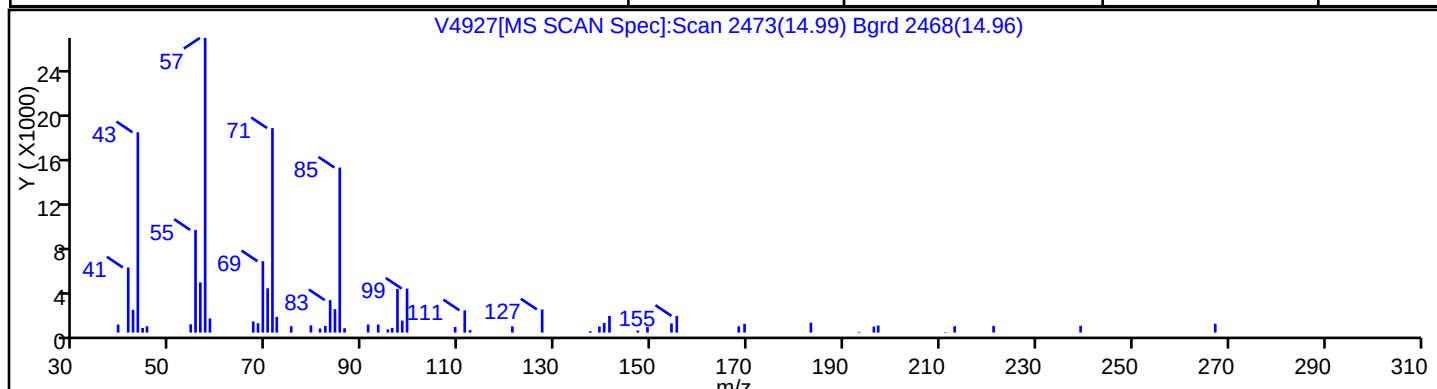
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown alkane		NIST98.L	0	0
Pentatriacontane	630-7-9	NIST98.L	112346	91
Hexatriacontane	630-6-8	NIST98.L	112335	91



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-C8 (3-4)</u>	Lab Sample ID: <u>480-9503-3</u>
Matrix: <u>Solid</u>	Lab File ID: <u>V4928.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/06/2011 13:15</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/09/2011 09:45</u>
Sample wt/vol: <u>+30.62(g)</u>	Date Analyzed: <u>09/12/2011 13:07</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>8.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>30771</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		180	39
88-06-2	2,4,6-Trichlorophenol	ND		180	12
120-83-2	2,4-Dichlorophenol	ND		180	9.5
105-67-9	2,4-Dimethylphenol	ND		180	49
51-28-5	2,4-Dinitrophenol	ND		350	63
121-14-2	2,4-Dinitrotoluene	ND		180	28
606-20-2	2,6-Dinitrotoluene	ND		180	44
91-58-7	2-Chloronaphthalene	ND		180	12
95-57-8	2-Chlorophenol	ND		180	9.2
91-57-6	2-Methylnaphthalene	ND		180	2.2
95-48-7	2-Methylphenol	ND		180	5.6
88-74-4	2-Nitroaniline	ND		350	58
88-75-5	2-Nitrophenol	ND		180	8.3
91-94-1	3,3'-Dichlorobenzidine	ND		180	160
99-09-2	3-Nitroaniline	ND		350	42
534-52-1	4,6-Dinitro-2-methylphenol	ND		350	62
101-55-3	4-Bromophenyl phenyl ether	ND		180	58
59-50-7	4-Chloro-3-methylphenol	ND		180	7.4
106-47-8	4-Chloroaniline	ND		180	53
7005-72-3	4-Chlorophenyl phenyl ether	ND		180	3.9
106-44-5	4-Methylphenol	ND		350	10
100-01-6	4-Nitroaniline	ND		350	20
100-02-7	4-Nitrophenol	ND		350	44
83-32-9	Acenaphthene	ND		180	2.1
208-96-8	Acenaphthylene	16	J	180	1.5
98-86-2	Acetophenone	ND		180	9.3
120-12-7	Anthracene	37	J	180	4.6
1912-24-9	Atrazine	ND		180	8.1
100-52-7	Benzaldehyde	ND		180	20
56-55-3	Benzo(a)anthracene	220		180	3.1
50-32-8	Benzo(a)pyrene	250		180	4.4
205-99-2	Benzo(b)fluoranthene	270		180	3.5
191-24-2	Benzo(g,h,i)perylene	210		180	2.2
207-08-9	Benzo(k)fluoranthene	130	J	180	2.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-C8 (3-4)</u>	Lab Sample ID: <u>480-9503-3</u>
Matrix: <u>Solid</u>	Lab File ID: <u>V4928.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/06/2011 13:15</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/09/2011 09:45</u>
Sample wt/vol: <u>+30.62(g)</u>	Date Analyzed: <u>09/12/2011 13:07</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>8.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>30771</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		180	11
108-60-1	bis (2-chloroisopropyl) ether	ND		180	19
111-91-1	Bis(2-chloroethoxy)methane	ND		180	9.8
111-44-4	Bis(2-chloroethyl)ether	ND		180	16
117-81-7	Bis(2-ethylhexyl) phthalate	ND		180	58
85-68-7	Butyl benzyl phthalate	ND		180	49
105-60-2	Caprolactam	ND		180	78
86-74-8	Carbazole	11	J	180	2.1
218-01-9	Chrysene	190		180	1.8
53-70-3	Dibenz(a,h)anthracene	47	J	180	2.1
132-64-9	Dibenzofuran	ND		180	1.9
84-66-2	Diethyl phthalate	ND		180	5.5
131-11-3	Dimethyl phthalate	ND		180	4.7
84-74-2	Di-n-butyl phthalate	ND		180	63
117-84-0	Di-n-octyl phthalate	ND		180	4.2
206-44-0	Fluoranthene	430		180	2.6
86-73-7	Fluorene	ND		180	4.2
118-74-1	Hexachlorobenzene	ND		180	9.0
87-68-3	Hexachlorobutadiene	ND		180	9.3
77-47-4	Hexachlorocyclopentadiene	ND		180	55
67-72-1	Hexachloroethane	ND		180	14
193-39-5	Indeno(1,2,3-cd)pyrene	170	J	180	5.0
78-59-1	Isophorone	ND		180	9.0
91-20-3	Naphthalene	ND		180	3.0
98-95-3	Nitrobenzene	ND		180	8.0
621-64-7	N-Nitrosodi-n-propylamine	ND		180	14
86-30-6	N-Nitrosodiphenylamine	ND		180	9.9
87-86-5	Pentachlorophenol	ND		350	62
85-01-8	Phenanthrene	140	J	180	3.8
108-95-2	Phenol	ND		180	19
129-00-0	Pyrene	370		180	1.2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: SB-C8 (3-4) Lab Sample ID: 480-9503-3
Matrix: Solid Lab File ID: V4928.D
Analysis Method: 8270C Date Collected: 09/06/2011 13:15
Extract. Method: 3550B Date Extracted: 09/09/2011 09:45
Sample wt/vol: +30.62(g) Date Analyzed: 09/12/2011 13:07
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 8.6 GPC Cleanup: (Y/N) N
Analysis Batch No.: 30771 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	72		39-146
321-60-8	2-Fluorobiphenyl	94		37-120
367-12-4	2-Fluorophenol	82		18-120
4165-60-0	Nitrobenzene-d5	86		34-132
4165-62-2	Phenol-d5	91		11-120
1718-51-0	p-Terphenyl-d14	101		58-147

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: SB-C8 (3-4) Lab Sample ID: 480-9503-3
Matrix: Solid Lab File ID: V4928.D
Analysis Method: 8270C Date Collected: 09/06/2011 13:15
Extract. Method: 3550B Date Extracted: 09/09/2011 09:45
Sample wt/vol: +30.62(g) Date Analyzed: 09/12/2011 13:07
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 8.6 GPC Cleanup: (Y/N) N
Analysis Batch No.: 30771 Units: ug/Kg
Number TICs Found: 3 TIC Result Total: 1010

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Voa Target	2.62	270	T J
	Voa Target	4.66	580	T J
	Unknown	15.22	160	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\4928.D
 Lims ID: 480-9503-E-3-A Client ID: SB-C8 (3-4)
 Inject. Date: 12-Sep-2011 13:07:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0005869-017
 Misc. Info.: 480-9503-E-3-A
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 14
 Lims Batch ID: 30771 Lims Sample ID: 17
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\8270.m
 Last Update: 13-Sep-2011 10:06:09 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 13-Sep-2011 10:06:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.856	5.856	0.0	97	101870	40.0	
* 2 Naphthalene-d8	136	7.571	7.571	0.0	99	407481	40.0	
* 3 Acenaphthene-d10	164	9.847	9.847	0.0	90	244512	40.0	
* 4 Phenanthrene-d10	188	11.545	11.545	0.0	97	406353	40.0	
* 5 Chrysene-d12	240	14.024	14.024	0.0	98	411181	40.0	
* 6 Perylene-d12	264	15.322	15.322	0.0	97	473876	40.0	
\$ 9 2-Fluorophenol	112	4.002	4.002	0.0	93	392349	122.9	
\$ 10 Phenol-d5	99	5.364	5.364	0.0	88	550337	136.3	
\$ 11 Nitrobenzene-d5	82	6.609	6.609	0.0	87	350330	85.9	
\$ 12 2-Fluorobiphenyl	172	8.992	8.992	0.0	99	736640	94.2	
\$ 13 2,4,6-Tribromophenol	330	10.792	10.792	0.0	89	90777	107.3	
\$ 14 p-Terphenyl-d14	244	13.089	13.089	0.0	97	896372	101.0	
88 Benzaldehyde	77		5.231					
89 Phenol	94		5.386					
91 Bis(2-chloroethyl)ether	93		5.487					
93 2-Chlorophenol	128		5.567					
98 2-Methylphenol	108		6.225					
99 2,2'-oxybis[1-chloropropane]	45		6.251					
104 Acetophenone	105		6.406					
101 N-Nitrosodi-n-propylamine	70		6.422					
102 4-Methylphenol	108		6.438					
106 Hexachloroethane	117		6.550					
107 Nitrobenzene	77		6.636					
110 Isophorone	82		6.962					
111 2-Nitrophenol	139		7.069					
112 2,4-Dimethylphenol	107		7.154					
115 Bis(2-chloroethoxy)methane	93		7.266					
117 2,4-Dichlorophenol	162		7.400					
121 Naphthalene	128		7.597					
123 4-Chloroaniline	127		7.678					
126 Hexachlorobutadiene	225		7.795					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113		8.089					
131 4-Chloro-3-methylphenol	107		8.340					
133 2-Methylnaphthalene	142		8.511					
136 Hexachlorocyclopentadiene	237		8.735					
139 2,4,6-Trichlorophenol	196		8.885					
140 2,4,5-Trichlorophenol	196		8.933					
144 1,1'-Biphenyl	154		9.115					
143 2-Chloronaphthalene	162		9.136					
145 2-Nitroaniline	65		9.270					
147 Dimethyl phthalate	163		9.521					
148 2,6-Dinitrotoluene	165		9.585					
149 Acenaphthylene	152	9.665	9.660	0.005	35	4632	0.4385	
150 3-Nitroaniline	138		9.798					
151 Acenaphthene	153		9.889					
152 2,4-Dinitrophenol	184		9.927					
153 4-Nitrophenol	109		10.034					
154 2,4-Dinitrotoluene	165		10.092					
155 Dibenzofuran	168		10.103					
160 Diethyl phthalate	149		10.397					
161 Fluorene	166		10.514					
162 4-Chlorophenyl phenyl ether	204		10.520					
164 4-Nitroaniline	138		10.541					
166 4,6-Dinitro-2-methylphenol	198		10.584					
167 N-Nitrosodiphenylamine	169		10.659					
176 4-Bromophenyl phenyl ether	248		11.075					
177 Hexachlorobenzene	284		11.155					
180 Atrazine	200		11.262					
181 Pentachlorophenol	266		11.364					
185 Phenanthrene	178	11.572	11.572	0.0	55	42450	3.90	
188 Anthracene	178	11.620	11.626	-0.006	41	11415	1.04	
189 Carbazole	167	11.796	11.796	0.0	1	3035	0.2971	
192 Di-n-butyl phthalate	149		12.149					
197 Fluoranthene	202	12.742	12.747	-0.005	96	141580	12.1	
199 Pyrene	202	12.950	12.956	-0.006	97	135388	10.4	
205 Butyl benzyl phthalate	149		13.517					
208 3,3'-Dichlorobenzidine	252		13.987					
210 Bis(2-ethylhexyl) phthalate	149	14.003	14.008	-0.005	59	6569	0.7555	
209 Benzo[a]anthracene	228	14.013	14.019	-0.006	97	72777	6.07	
211 Chrysene	228	14.046	14.051	-0.005	63	61016	5.25	
212 Di-n-octyl phthalate	149		14.542					
213 Benzo[b]fluoranthene	252	14.959	14.959	0.0	90	104288	7.57	M
214 Benzo[k]fluoranthene	252	14.970	14.986	-0.016	98	54104	3.75	M
217 Benzo[a]pyrene	252	15.269	15.274	-0.005	63	81850	7.09	
219 Indeno[1,2,3-cd]pyrene	276	16.466	16.476	-0.010	98	67953	4.84	
220 Dibenz(a,h)anthracene	278	16.471	16.482	-0.011	1	15460	1.32	
221 Benzo[g,h,i]perylene	276	16.802	16.808	-0.006	82	65667	5.88	

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4928.D
 Lims ID: 480-9503-E-3-A Client ID: SB-C8 (3-4)
 Inject. Date: 12-Sep-2011 13:07:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0005869-017
 Misc. Info.: 480-9503-E-3-A
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 14
 Lims Batch ID: 30771 Lims Sample ID: 17
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V-8270.m
 Last Update: 13-Sep-2011 10:06:09 Calib Date: 08-Sep-2011 10:41:30
 Tic RT Window: 1.500 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\Bufchrom\ChromData\Database\NIST98.L
 Min. Match: 85
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 13-Sep-2011 10:06:09

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags

Voa Target						
2.624	122567	7.61	1	0	0	
Voa Target						
4.659	262045	16.3	1	0	0	
Unknown						
15.215	156318	4.46	6	0	0	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL

* 1 1,4-Dichlorobenzene-d4	5.856	644044	40.0
* 6 Perylene-d12	15.322	1401170	40.0

QC Flag Legend

Processing Flags

Report Date: 13-Sep-2011 10:06:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4928.D

Injection Date: 12-Sep-2011 13:07:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C8 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 17

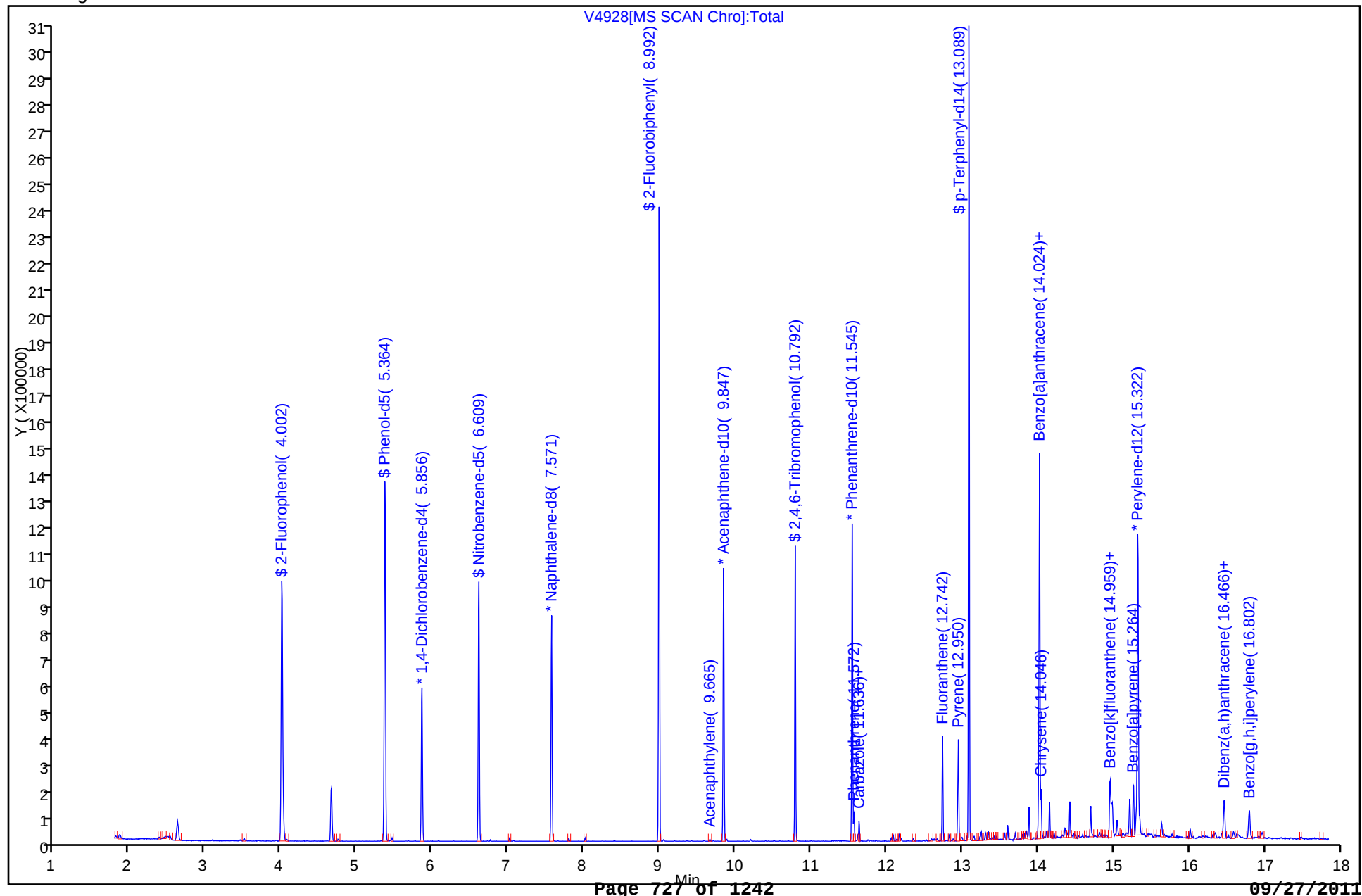
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



Report Date: 13-Sep-2011 10:06:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4928.D

Injection Date: 12-Sep-2011 13:07:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C8 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 17

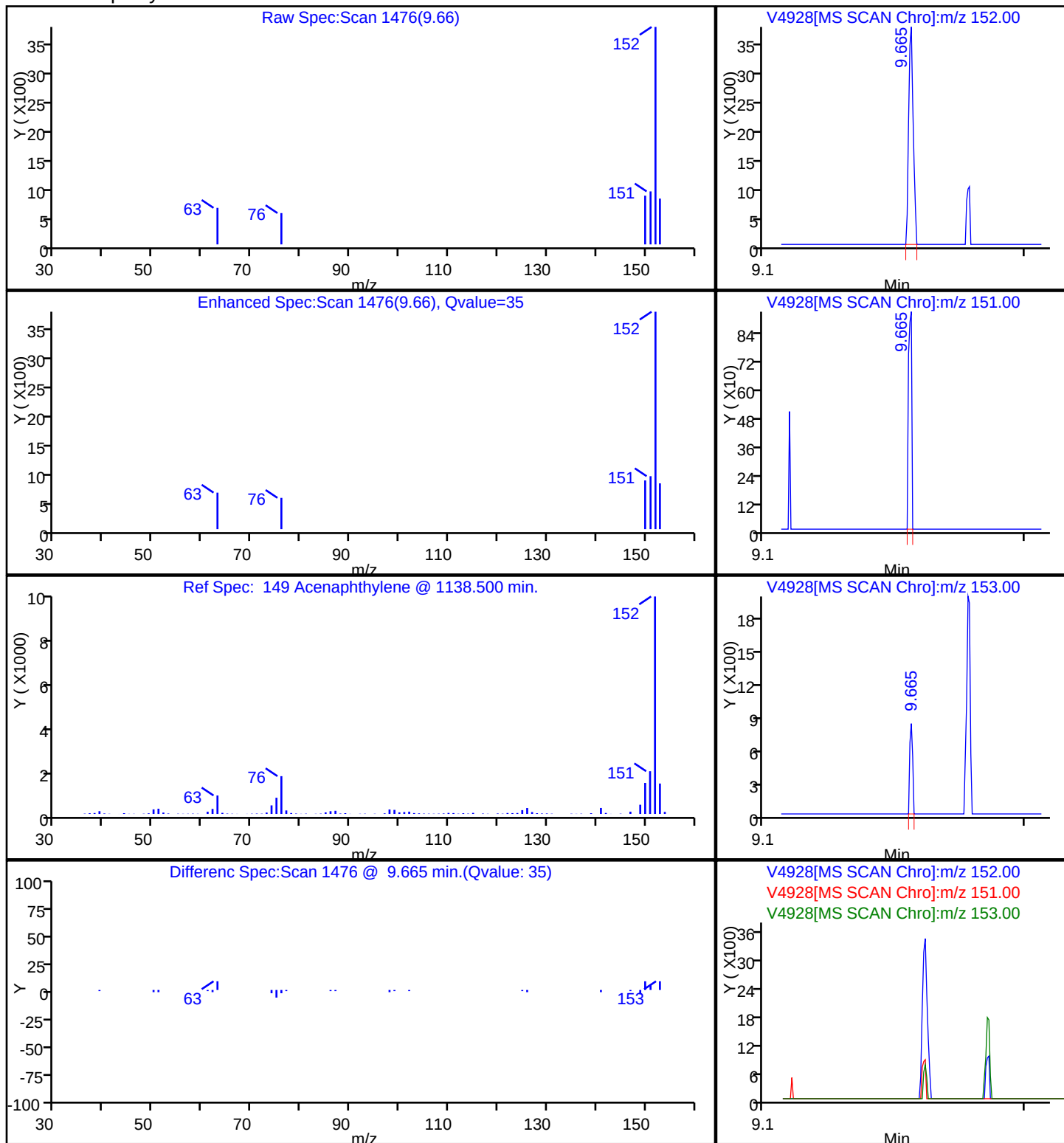
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

149 Acenaphthylene



Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4928.D

Injection Date: 12-Sep-2011 13:07:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C8 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 17

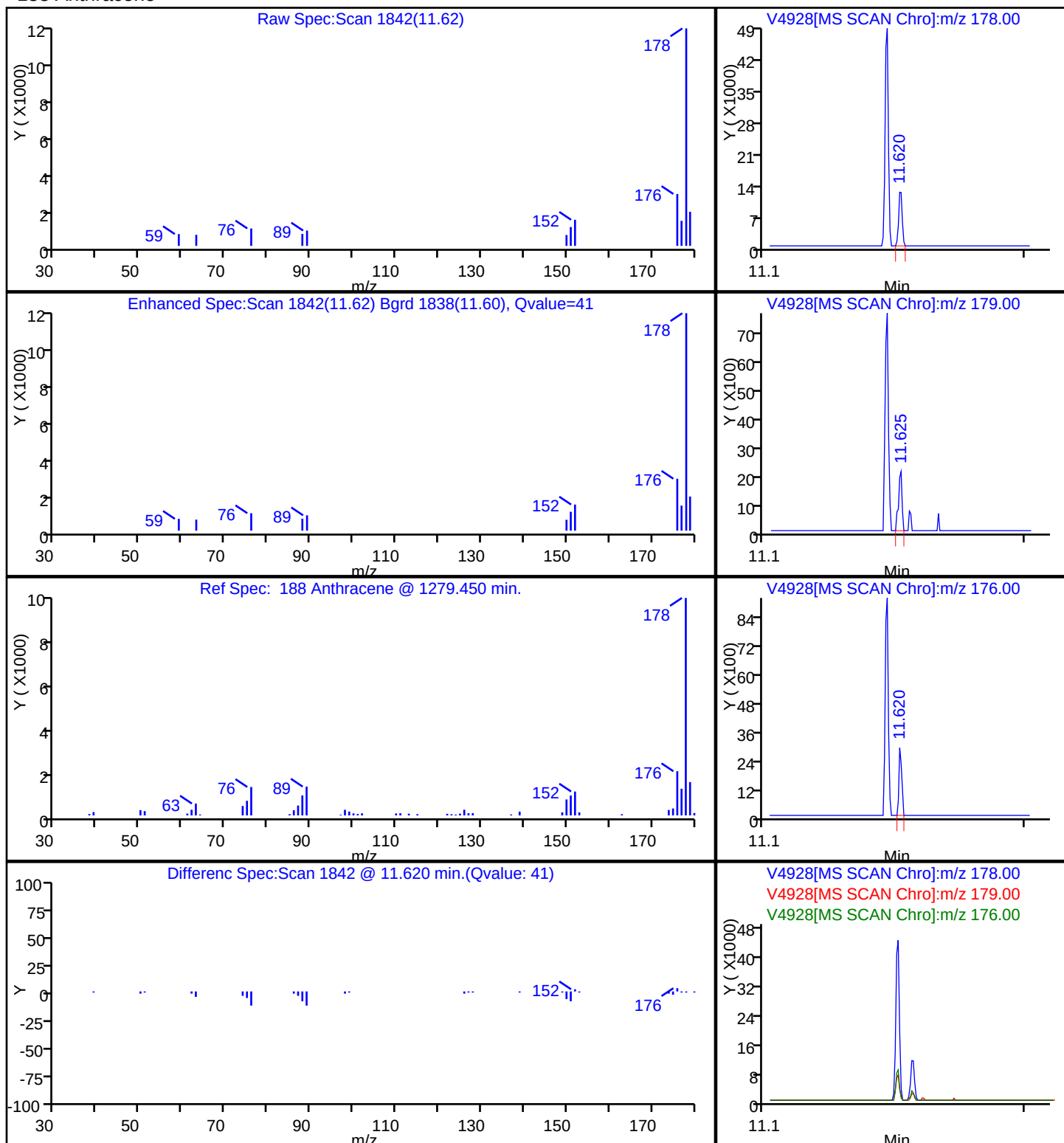
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Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

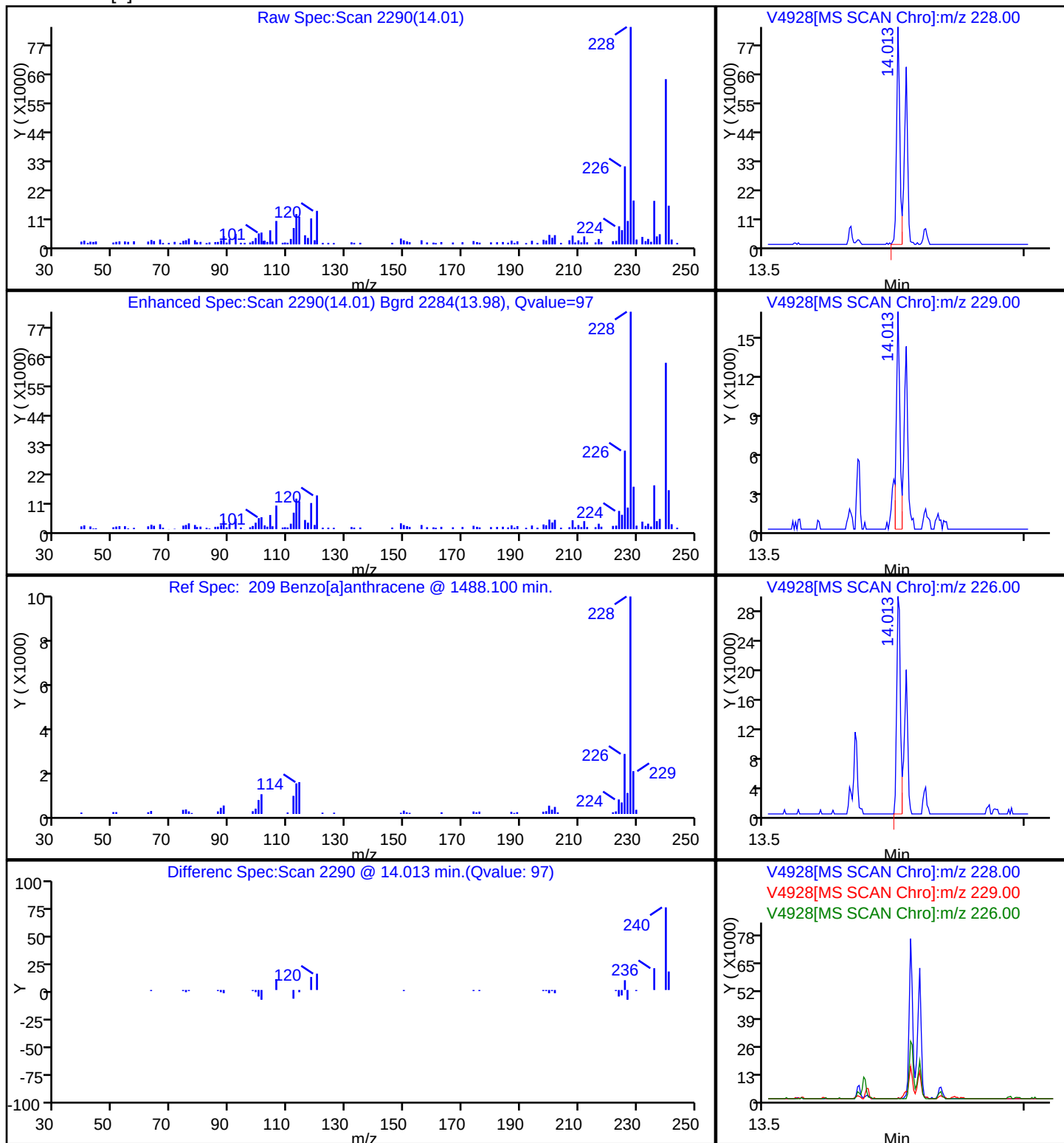
Column Dia: 0.25 mm

188 Anthracene



Report Date: 13-Sep-2011 10:06:10
Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4928.D
Injection Date: 12-Sep-2011 13:07:30
Client ID: SB-C8 (3-4)
Lims Batch ID: 30771
Operator ID: MKP
Column Type: RXI-5Sil MS
209 Benzo[a]anthracene

Chrom Revision: 2.0 01-Sep-2011 14:10:00
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973V
Lims Sample ID: 17
Injection Vol: 1.00 ul
Column Dia: 0.25 mm



Report Date: 13-Sep-2011 10:06:10

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4928.D

Injection Date: 12-Sep-2011 13:07:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C8 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 17

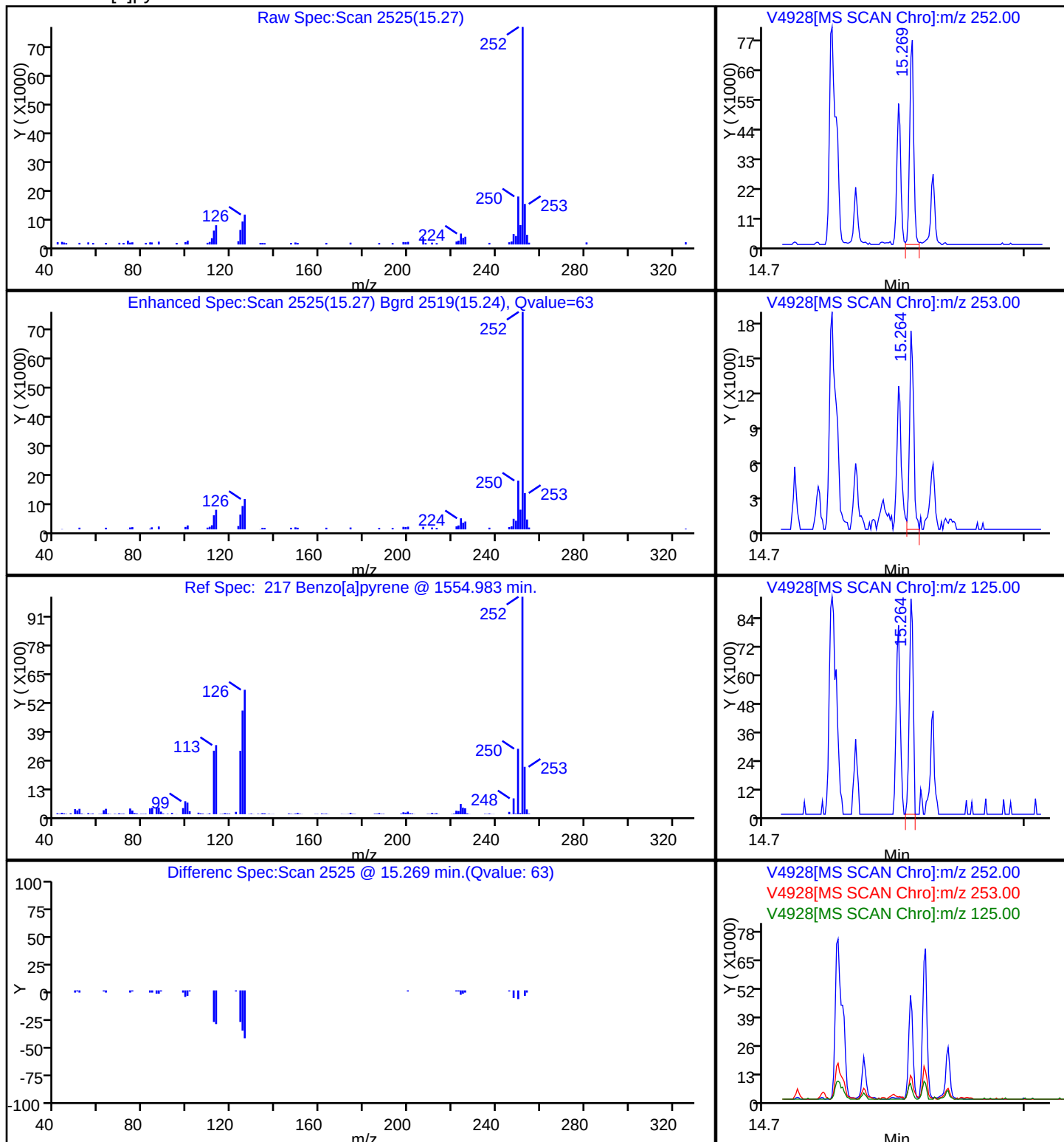
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

217 Benzo[a]pyrene



Report Date: 13-Sep-2011 10:06:10

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4928.D

Injection Date: 12-Sep-2011 13:07:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C8 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 17

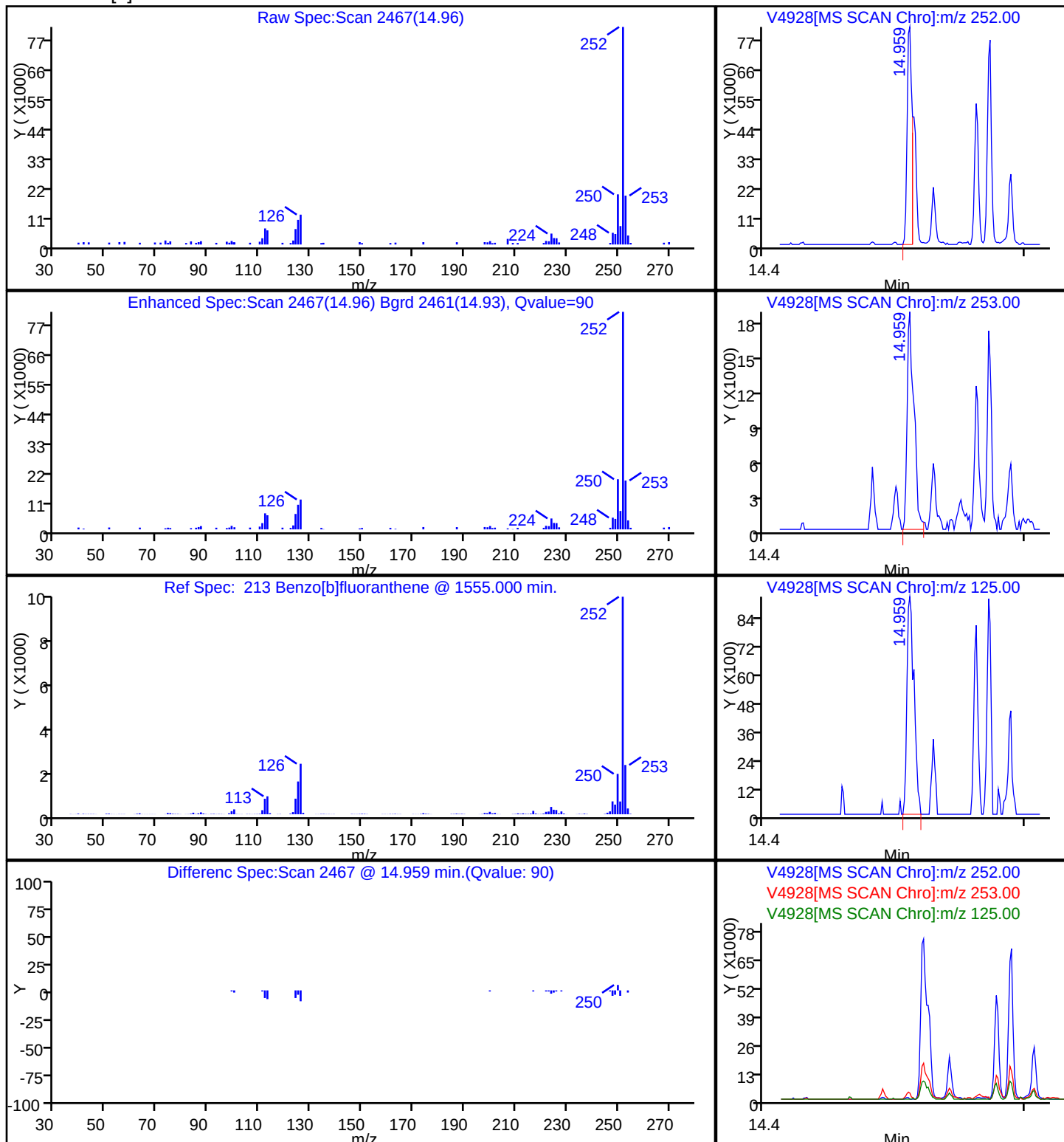
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

213 Benzo[b]fluoranthene



Report Date: 13-Sep-2011 10:06:10

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4928.D

Injection Date: 12-Sep-2011 13:07:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C8 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 17

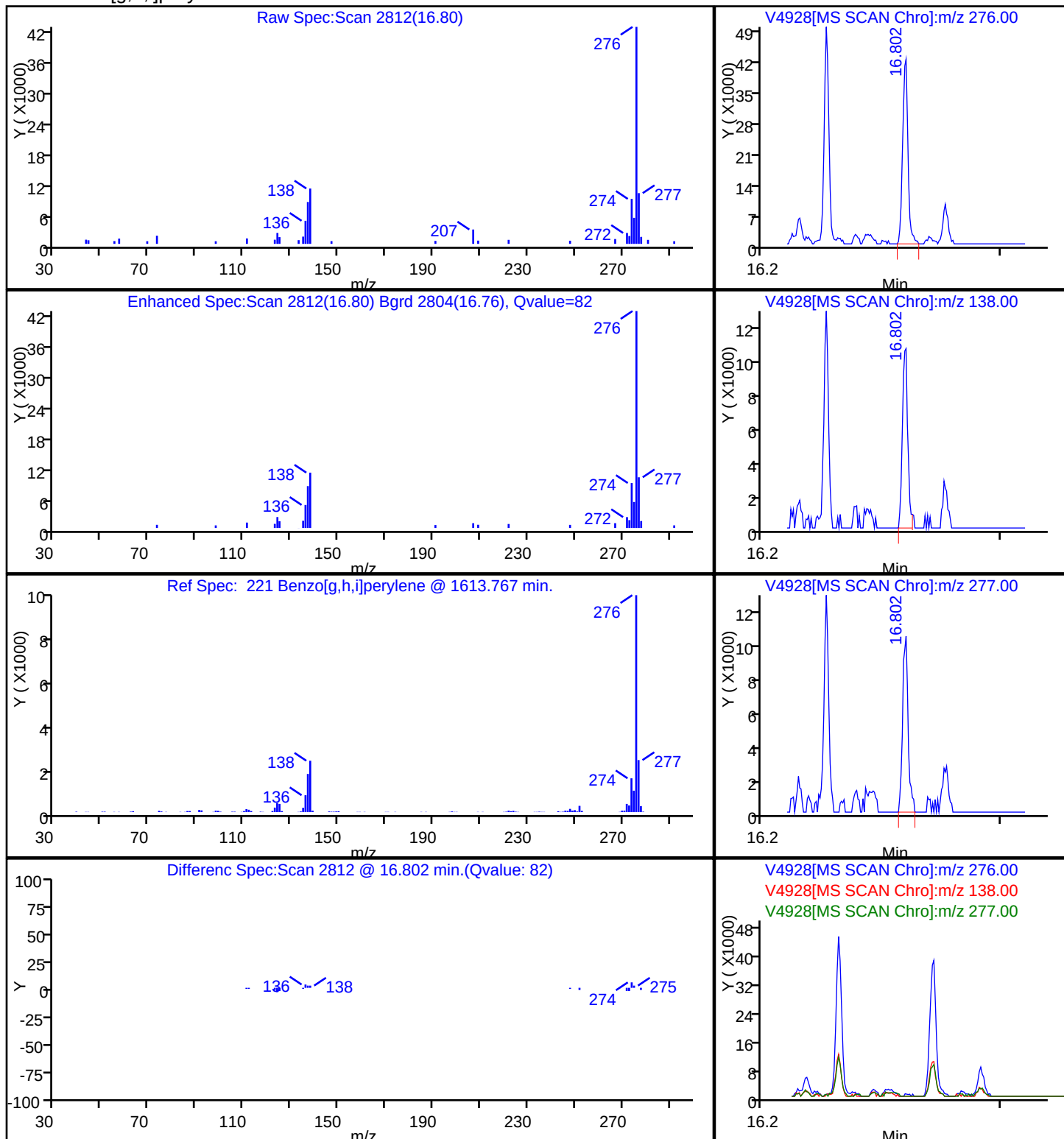
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

221 Benzo[g,h,i]perylene



Report Date: 13-Sep-2011 10:06:10

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4928.D

Injection Date: 12-Sep-2011 13:07:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C8 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 17

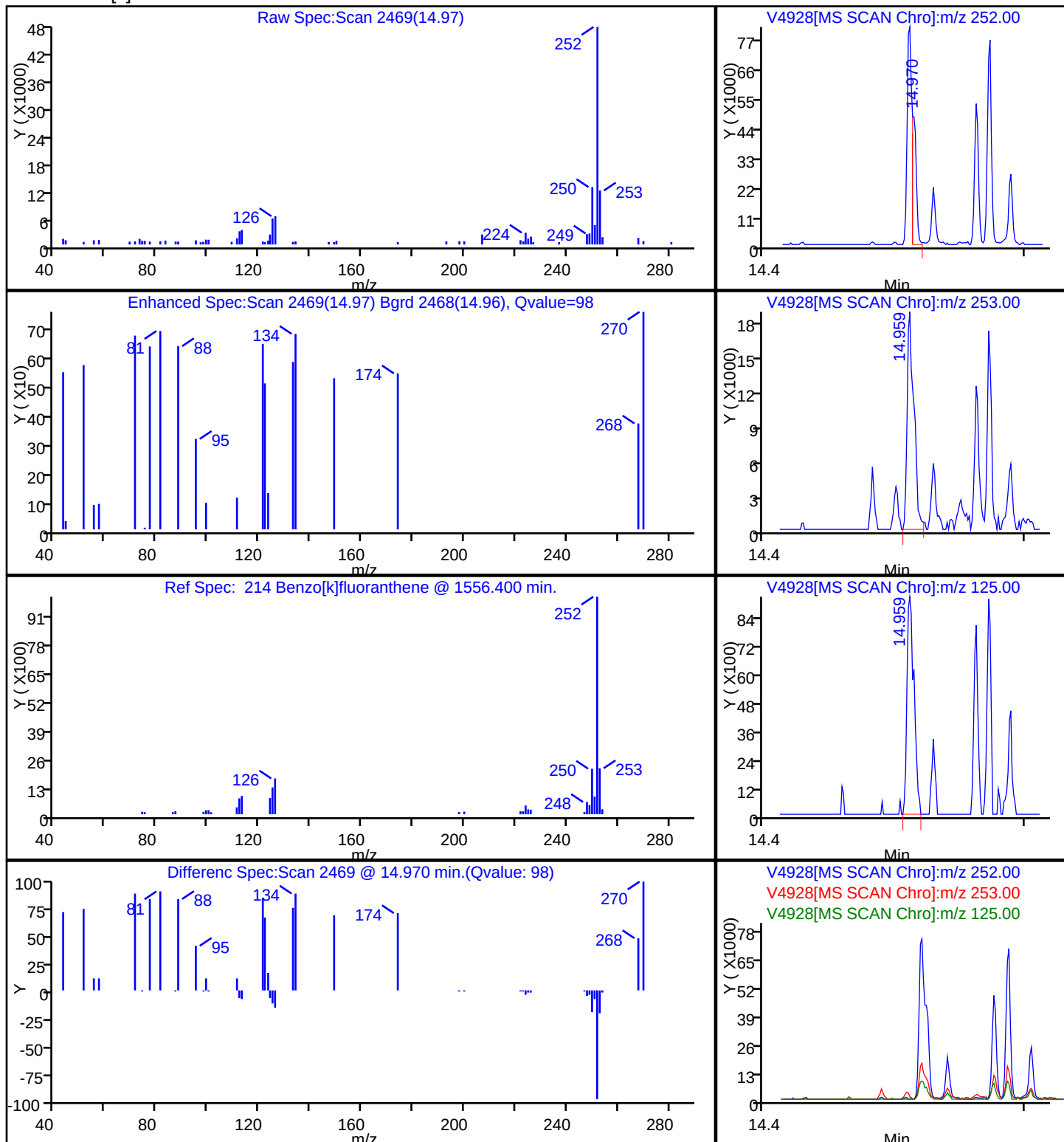
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

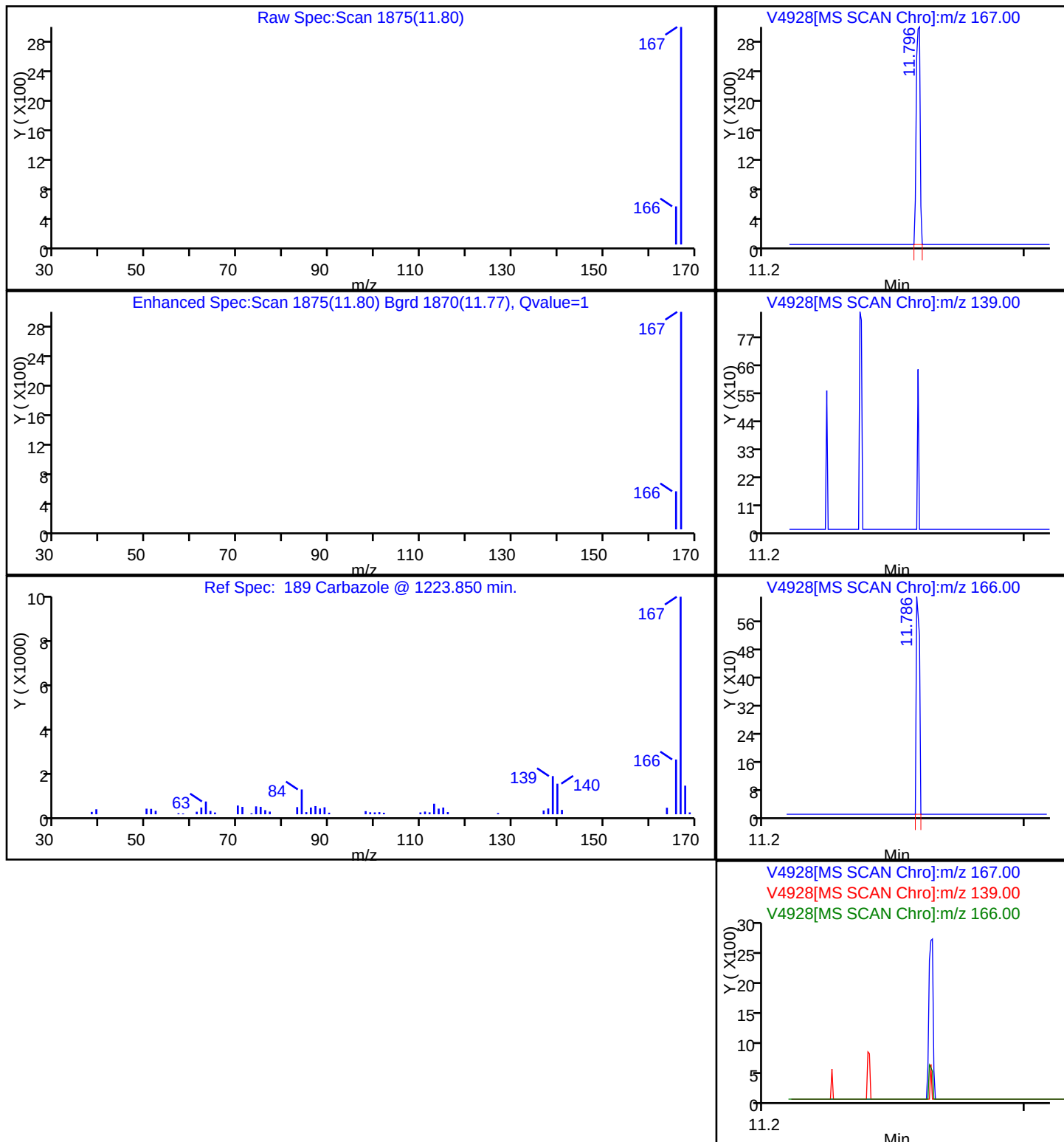
Column Dia: 0.25 mm

214 Benzo[k]fluoranthene



Report Date: 13-Sep-2011 10:06:09
Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4928.D
Injection Date: 12-Sep-2011 13:07:30
Client ID: SB-C8 (3-4)
Lims Batch ID: 30771
Operator ID: MKP
Column Type: RXI-5Sil MS
189 Carbazole

Chrom Revision: 2.0 01-Sep-2011 14:10:00
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973V
Lims Sample ID: 17
Injection Vol: 1.00 ul
Column Dia: 0.25 mm



Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4928.D

Injection Date: 12-Sep-2011 13:07:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C8 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 17

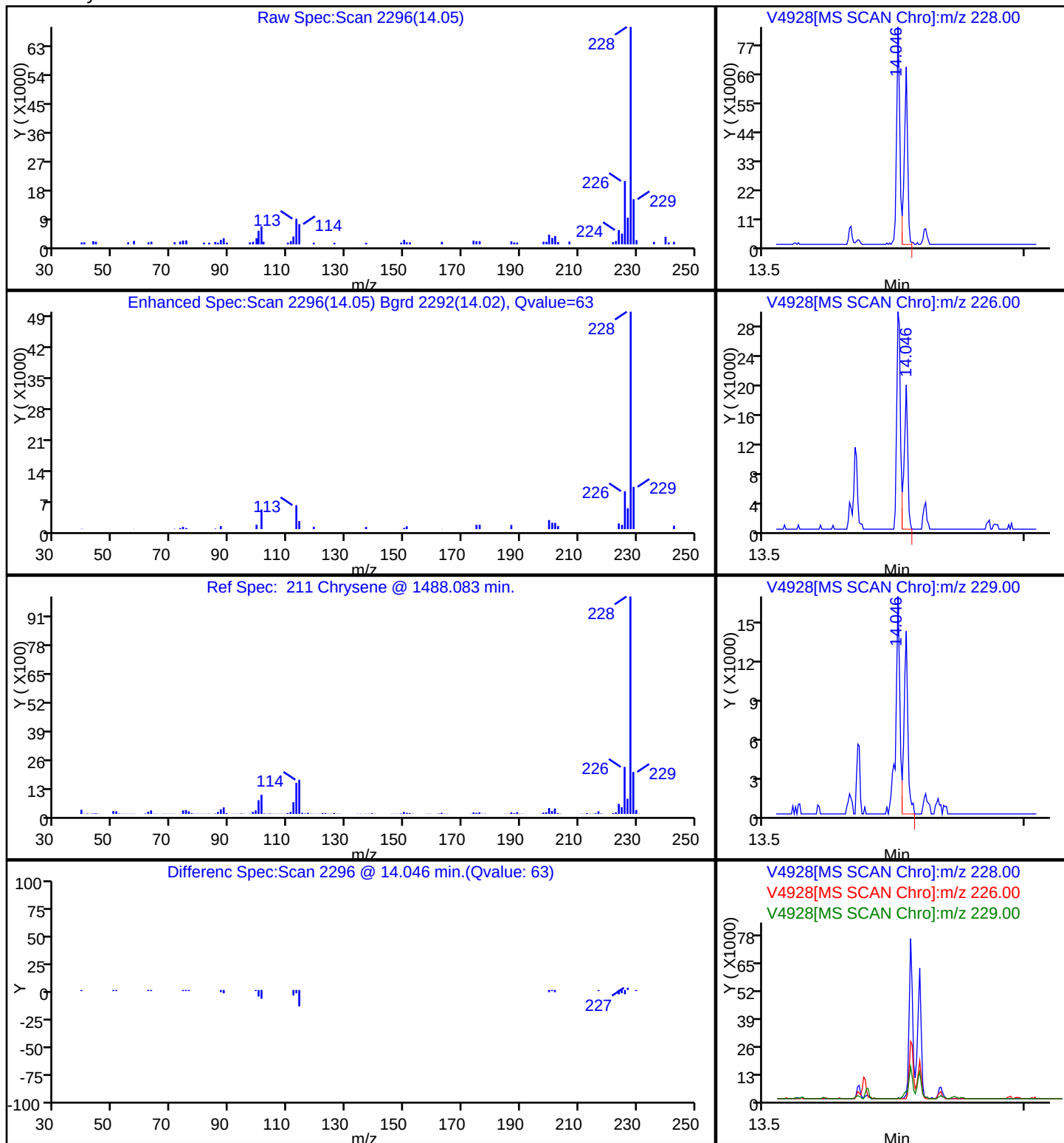
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

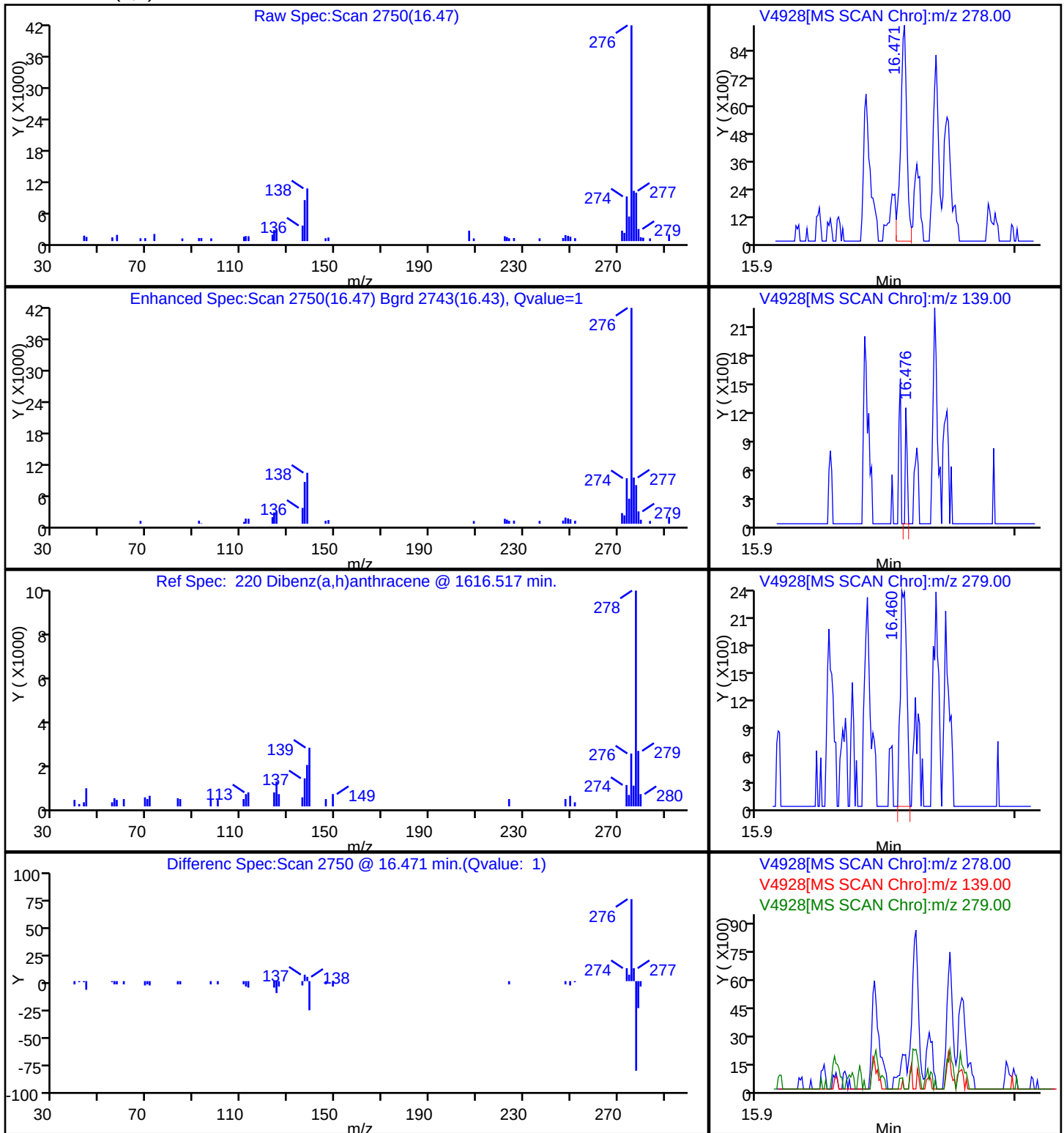
Column Dia: 0.25 mm

211 Chrysene



Report Date: 13-Sep-2011 10:06:10
 Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4928.D
 Injection Date: 12-Sep-2011 13:07:30
 Client ID: SB-C8 (3-4)
 Lims Batch ID: 30771
 Operator ID: MKP
 Column Type: RXI-5Sil MS
 220 Dibenz(a,h)anthracene

Chrom Revision: 2.0 01-Sep-2011 14:10:00
 Limit Group: MB - 8270C ICAL
 Instrument ID: HP5973V
 Lims Sample ID: 17
 Injection Vol: 1.00 ul
 Column Dia: 0.25 mm



Report Date: 13-Sep-2011 10:06:10

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4928.D

Injection Date: 12-Sep-2011 13:07:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C8 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 17

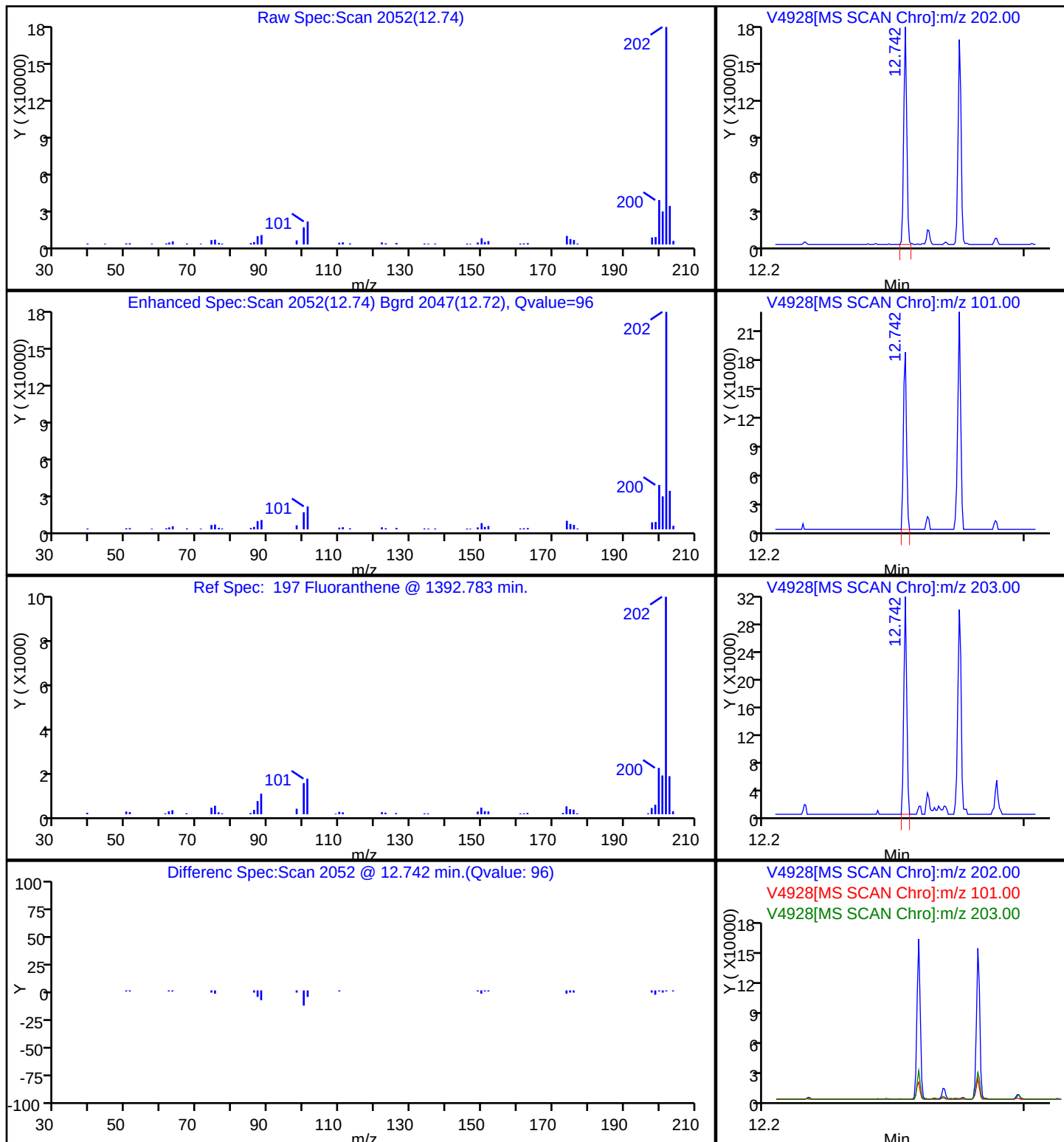
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

197 Fluoranthene



Report Date: 13-Sep-2011 10:06:10

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4928.D

Injection Date: 12-Sep-2011 13:07:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C8 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 17

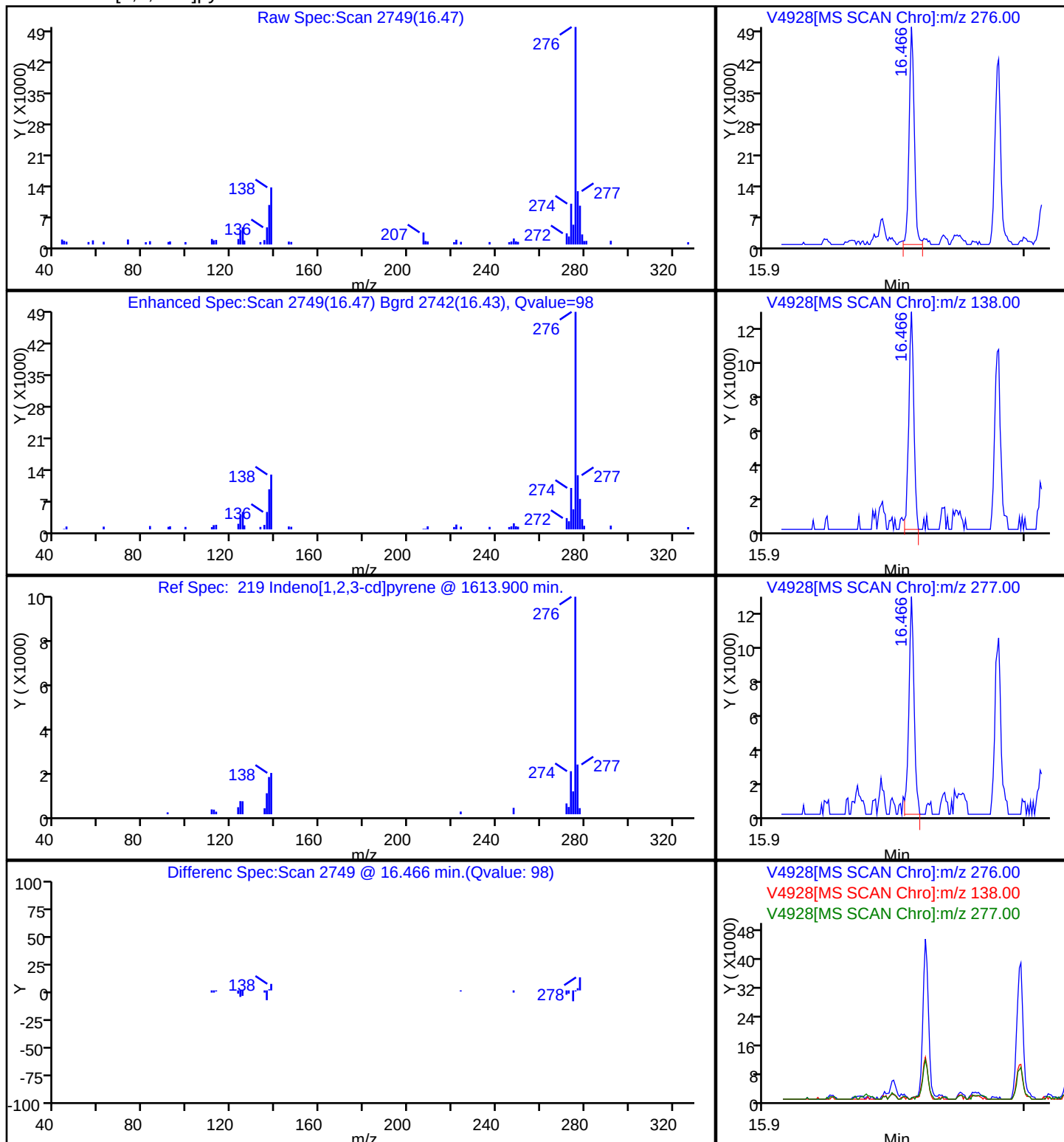
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

219 Indeno[1,2,3-cd]pyrene



Report Date: 13-Sep-2011 10:06:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4928.D

Injection Date: 12-Sep-2011 13:07:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C8 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 17

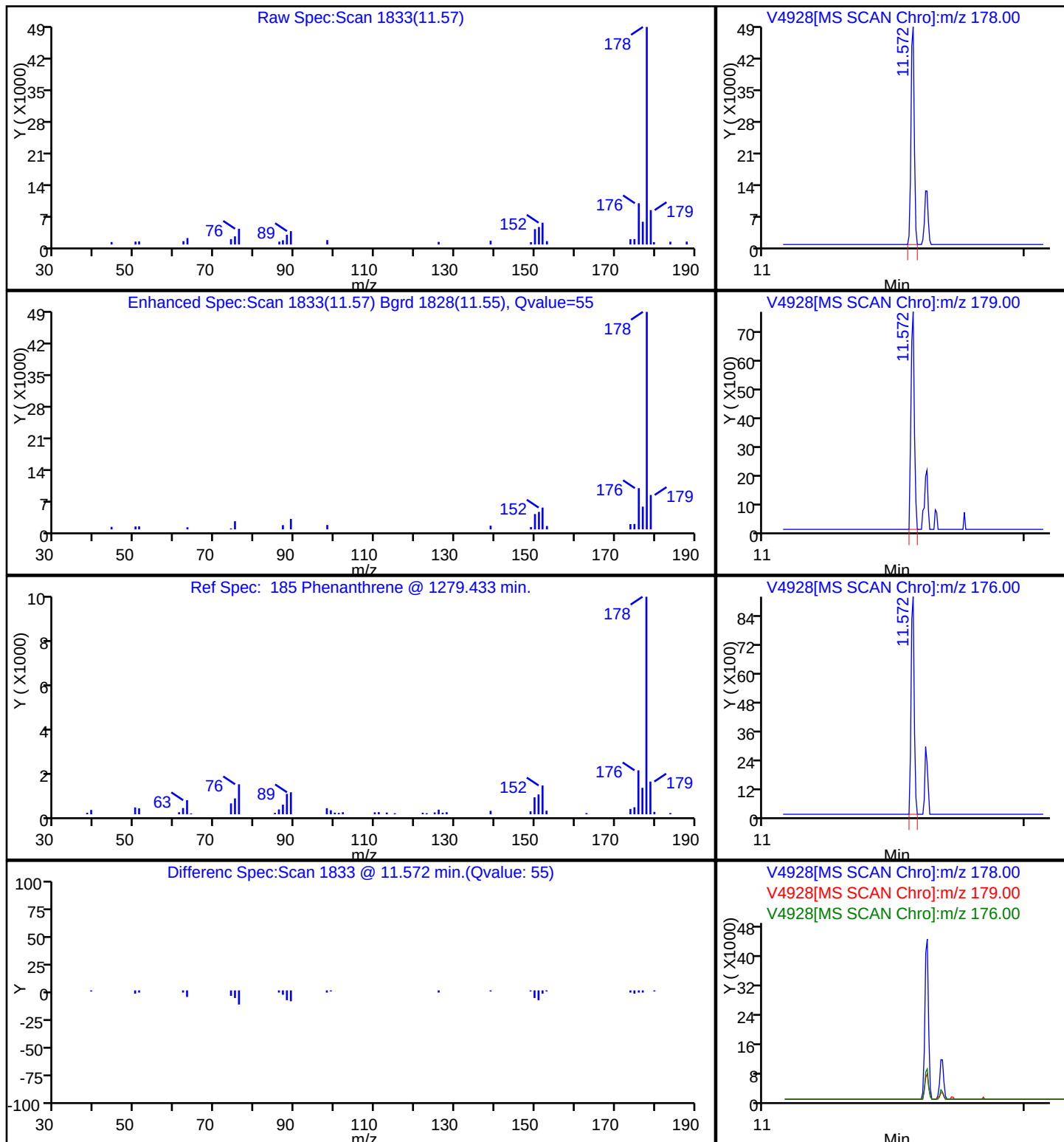
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

185 Phenanthrene



Report Date: 13-Sep-2011 10:06:10

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4928.D

Injection Date: 12-Sep-2011 13:07:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C8 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 17

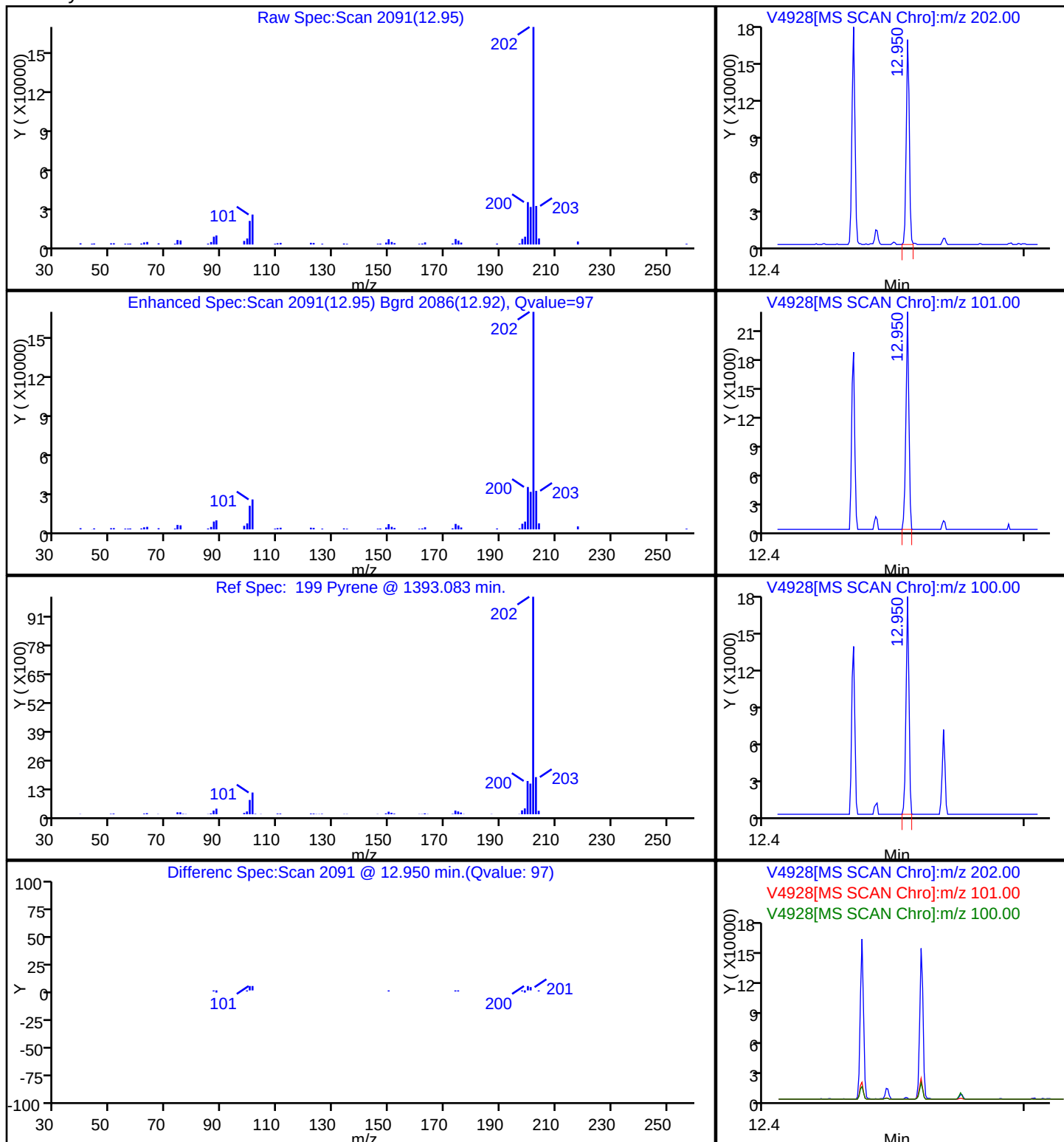
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

199 Pyrene

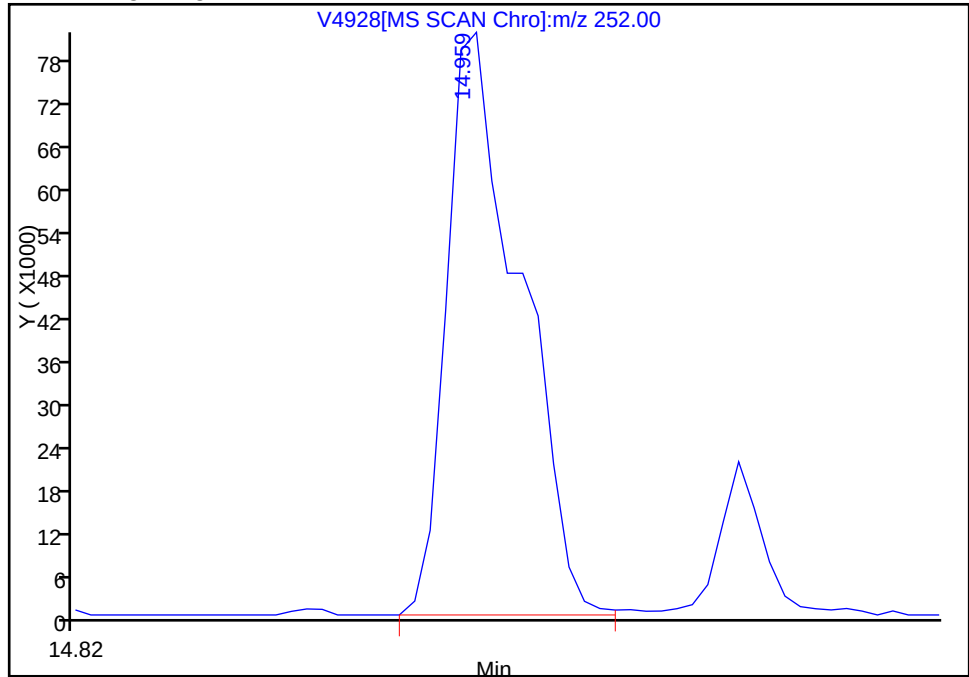


Data File:	\\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4928.D		
Injection Date:	12-Sep-2011 13:07:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-C8 (3-4)	Instrument ID:	HP5973V
Lims Batch ID:	30771	Lims Sample ID:	17
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.96

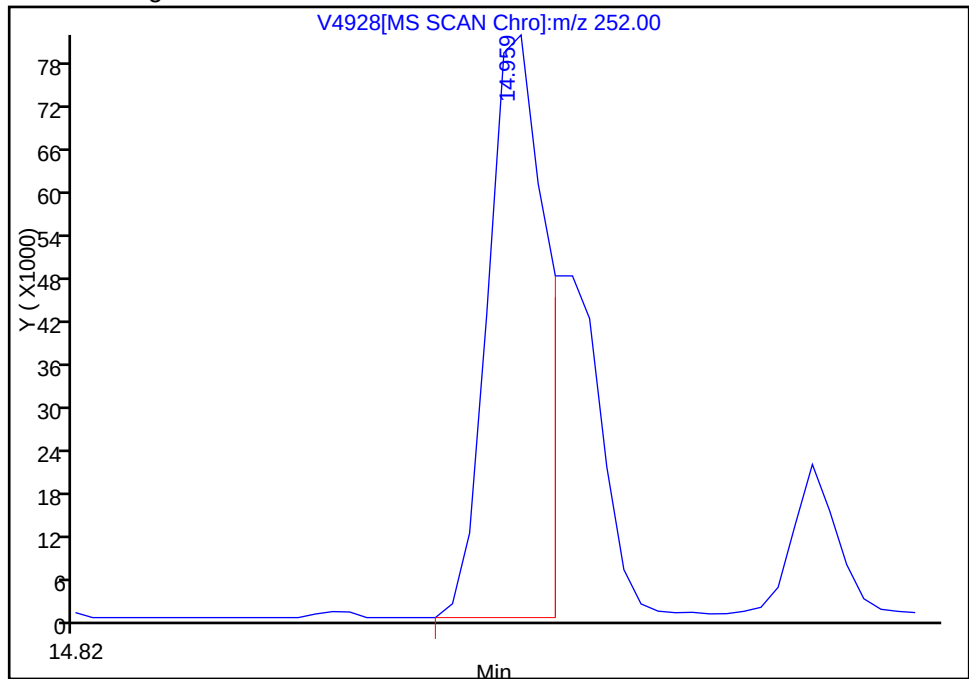
RT: 14.96
Response: 143066
Amount: 10.390369

Processing Integration Results



RT: 14.96
Response: 104288
Amount: 7.574062

Manual Integration Results



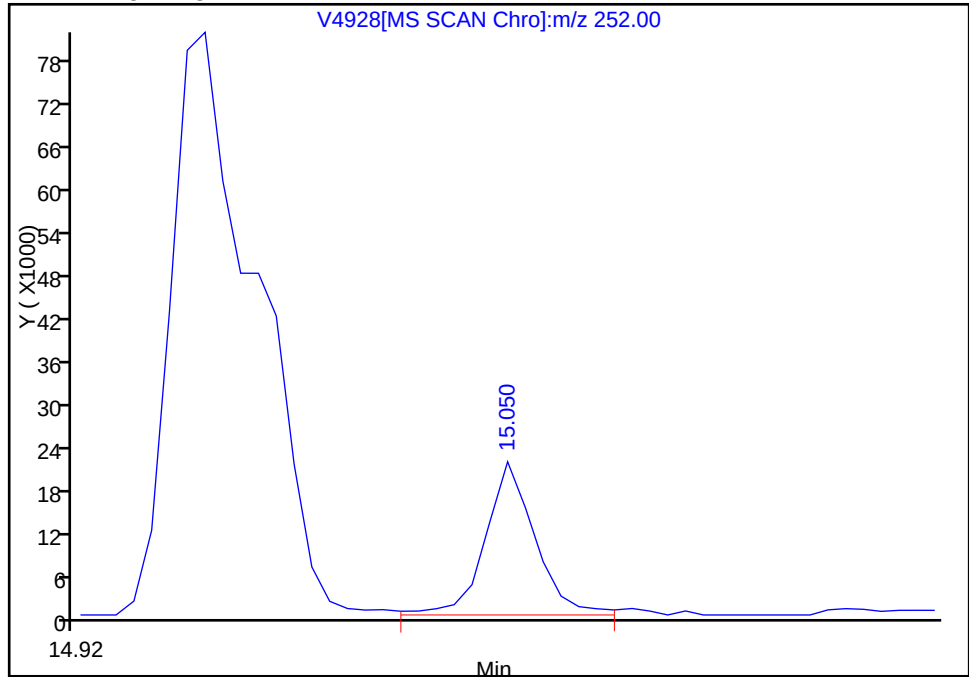
Reviewer: pagem, 13-Sep-2011 10:06:09
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

Data File:	\\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4928.D		
Injection Date:	12-Sep-2011 13:07:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-C8 (3-4)	Instrument ID:	HP5973V
Lims Batch ID:	30771	Lims Sample ID:	17
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.99

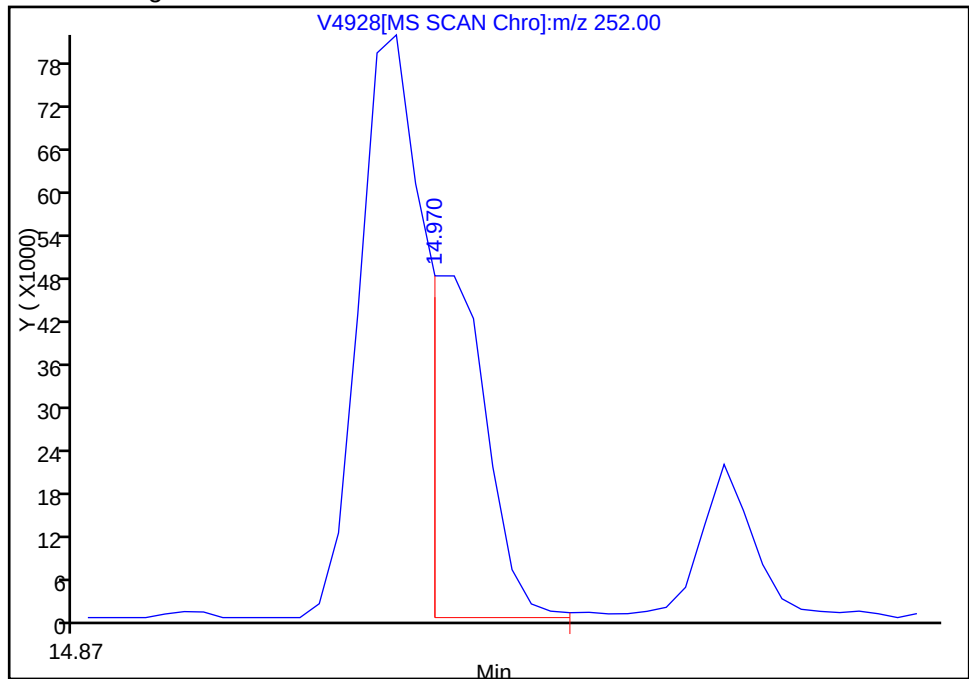
RT: 15.05
Response: 22389
Amount: 1.551031

Processing Integration Results



RT: 14.97
Response: 54104
Amount: 3.748134

Manual Integration Results



Reviewer: pagem, 13-Sep-2011 10:06:09

Audit Action: Split an Integrated Peak

Audit Reason: Wrong peak

Report Date: 13-Sep-2011 10:06:10

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4928.D

Injection Date: 12-Sep-2011 13:07:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C8 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 17

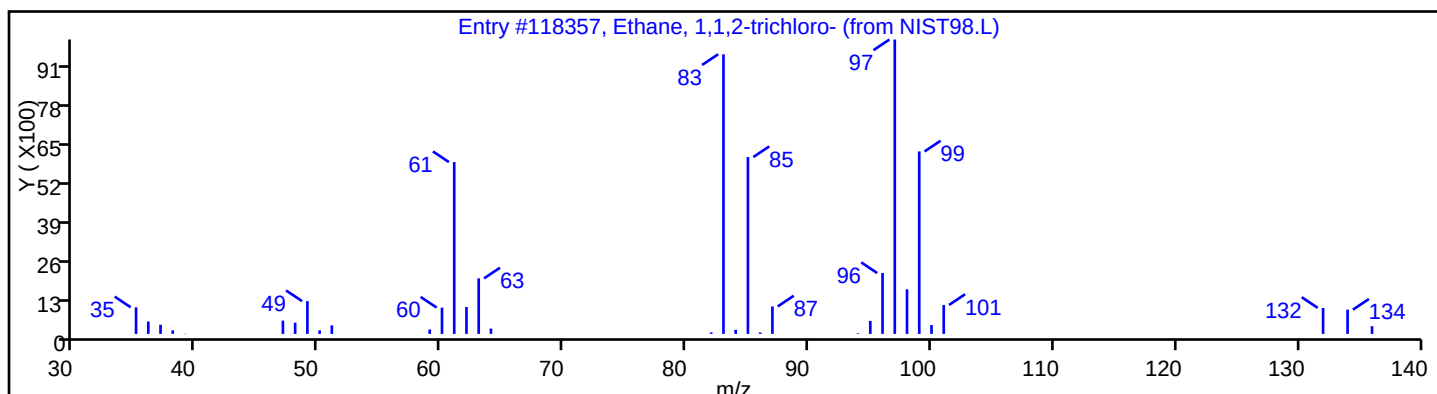
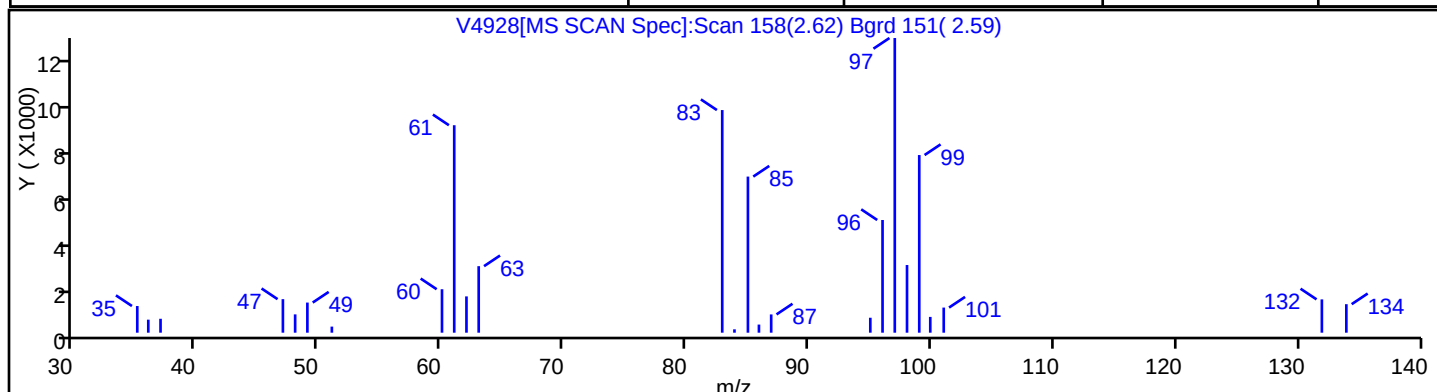
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Voa Target		NIST98.L	0	0
Ethane, 1,1,2-trichloro-	79-0-5	NIST98.L	118357	93



Report Date: 13-Sep-2011 10:06:10

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4928.D

Injection Date: 12-Sep-2011 13:07:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C8 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 17

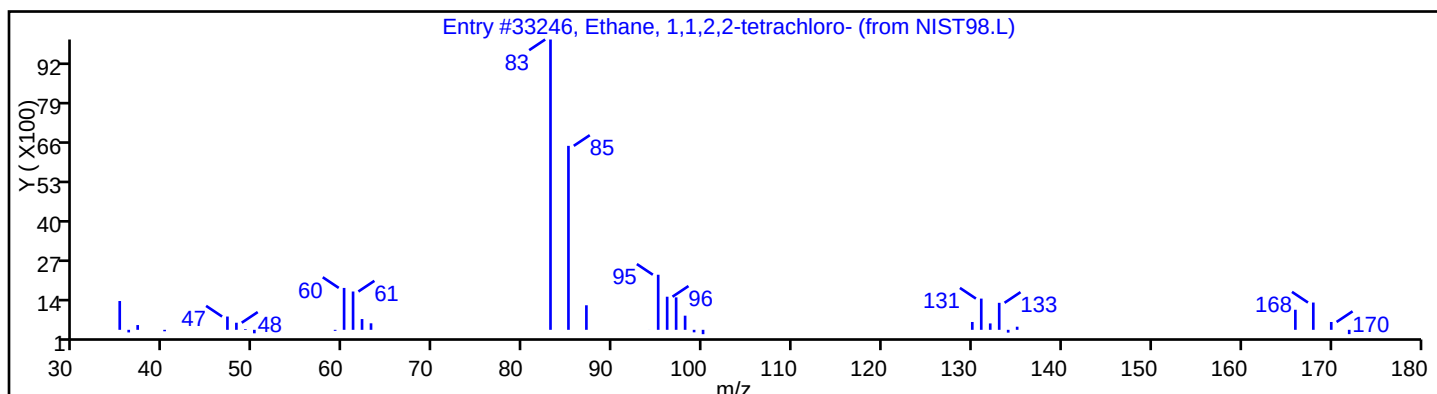
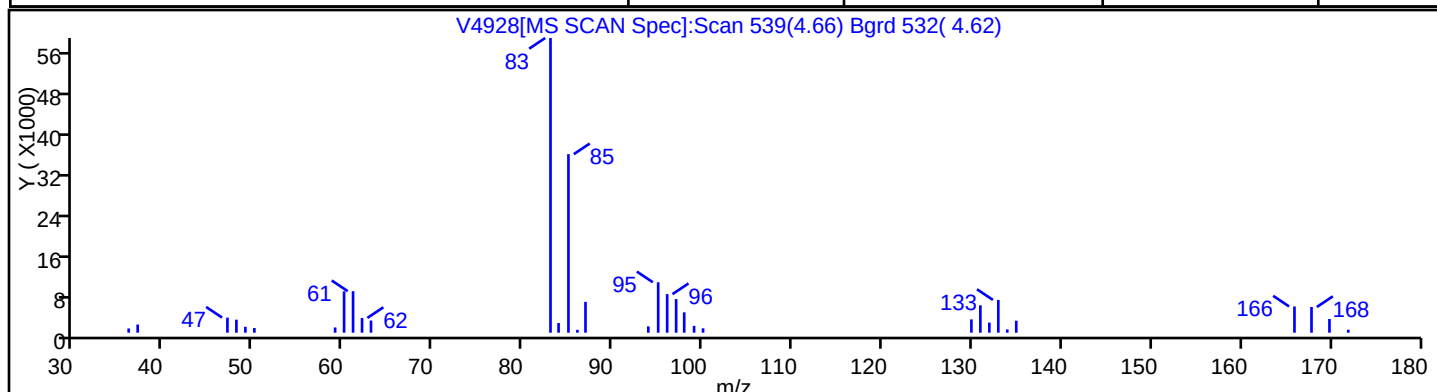
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Voa Target		NIST98.L	0	0
Ethane, 1,1,2,2-tetrachloro-	79-34-5	NIST98.L	33246	98



Report Date: 13-Sep-2011 10:06:10

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4928.D

Injection Date: 12-Sep-2011 13:07:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C8 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 17

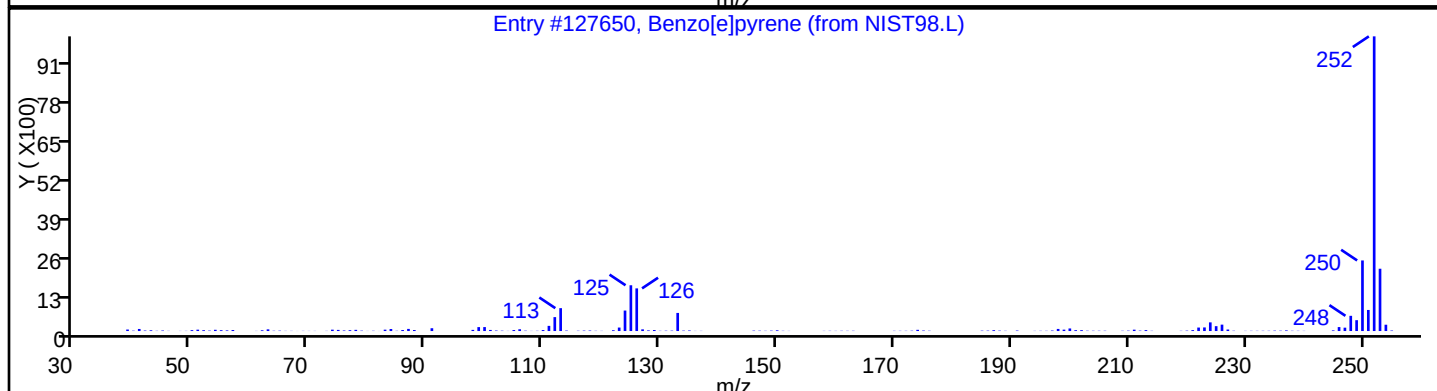
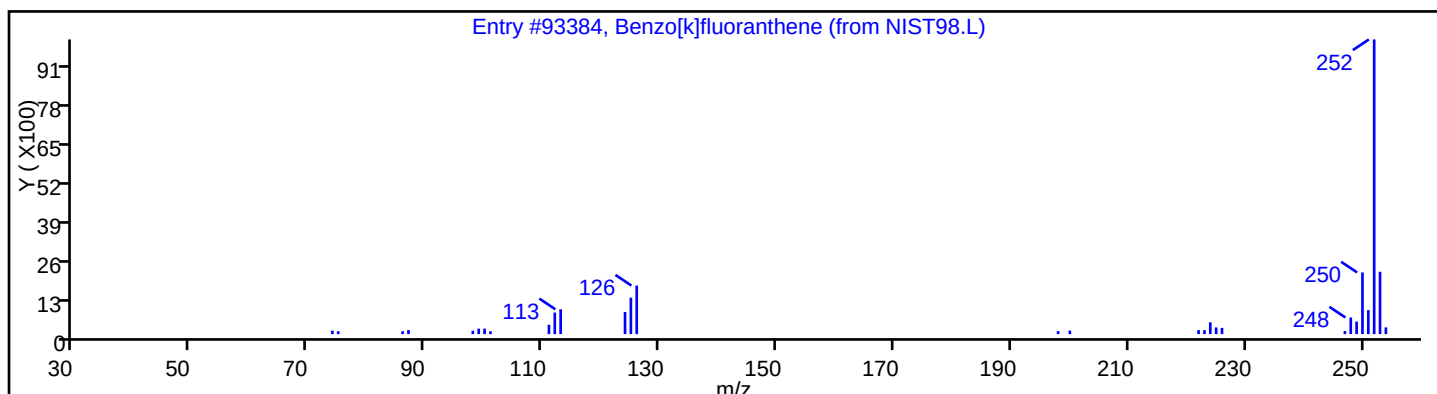
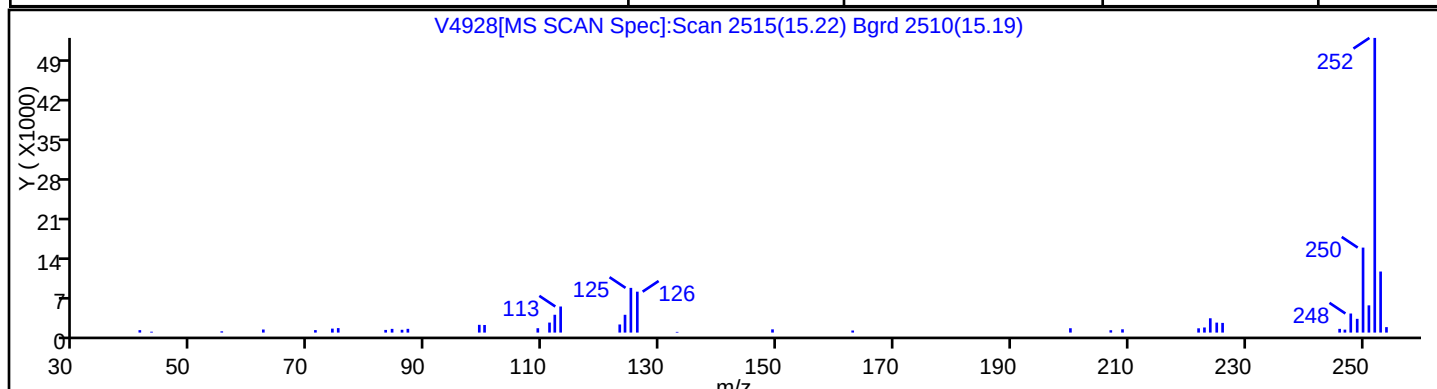
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Benzo[k]fluoranthene	207-8-9	NIST98.L	93384	98
Benzo[e]pyrene	192-97-2	NIST98.L	127650	98



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-C1 (5-8)</u>	Lab Sample ID: <u>480-9503-4</u>
Matrix: <u>Solid</u>	Lab File ID: <u>V4929.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/06/2011 14:10</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/09/2011 09:45</u>
Sample wt/vol: <u>+30.76(g)</u>	Date Analyzed: <u>09/12/2011 13:30</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>18.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>30771</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		200	44
88-06-2	2,4,6-Trichlorophenol	ND		200	13
120-83-2	2,4-Dichlorophenol	ND		200	11
105-67-9	2,4-Dimethylphenol	ND		200	54
51-28-5	2,4-Dinitrophenol	ND		390	71
121-14-2	2,4-Dinitrotoluene	ND		200	31
606-20-2	2,6-Dinitrotoluene	ND		200	49
91-58-7	2-Chloronaphthalene	ND		200	14
95-57-8	2-Chlorophenol	ND		200	10
91-57-6	2-Methylnaphthalene	63	J	200	2.4
95-48-7	2-Methylphenol	ND		200	6.2
88-74-4	2-Nitroaniline	ND		390	65
88-75-5	2-Nitrophenol	ND		200	9.2
91-94-1	3,3'-Dichlorobenzidine	ND		200	180
99-09-2	3-Nitroaniline	ND		390	46
534-52-1	4,6-Dinitro-2-methylphenol	ND		390	70
101-55-3	4-Bromophenyl phenyl ether	ND		200	64
59-50-7	4-Chloro-3-methylphenol	ND		200	8.3
106-47-8	4-Chloroaniline	ND		200	59
7005-72-3	4-Chlorophenyl phenyl ether	ND		200	4.3
106-44-5	4-Methylphenol	ND		390	11
100-01-6	4-Nitroaniline	ND		390	23
100-02-7	4-Nitrophenol	ND		390	49
83-32-9	Acenaphthene	ND		200	2.4
208-96-8	Acenaphthylene	24	J	200	1.6
98-86-2	Acetophenone	ND		200	10
120-12-7	Anthracene	47	J	200	5.2
1912-24-9	Atrazine	ND		200	9.0
100-52-7	Benzaldehyde	ND		200	22
56-55-3	Benzo(a)anthracene	220		200	3.5
50-32-8	Benzo(a)pyrene	240		200	4.9
205-99-2	Benzo(b)fluoranthene	280		200	3.9
191-24-2	Benzo(g,h,i)perylene	220		200	2.4
207-08-9	Benzo(k)fluoranthene	140	J	200	2.2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-C1 (5-8)</u>	Lab Sample ID: <u>480-9503-4</u>
Matrix: <u>Solid</u>	Lab File ID: <u>V4929.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/06/2011 14:10</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/09/2011 09:45</u>
Sample wt/vol: <u>+30.76(g)</u>	Date Analyzed: <u>09/12/2011 13:30</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>18.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>30771</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		200	13
108-60-1	bis (2-chloroisopropyl) ether	ND		200	21
111-91-1	Bis(2-chloroethoxy)methane	ND		200	11
111-44-4	Bis(2-chloroethyl)ether	ND		200	17
117-81-7	Bis(2-ethylhexyl) phthalate	ND		200	65
85-68-7	Butyl benzyl phthalate	ND		200	54
105-60-2	Caprolactam	ND		200	87
86-74-8	Carbazole	16	J	200	2.3
218-01-9	Chrysene	270		200	2.0
53-70-3	Dibenz (a,h) anthracene	60	J	200	2.4
132-64-9	Dibenzofuran	32	J	200	2.1
84-66-2	Diethyl phthalate	ND		200	6.1
131-11-3	Dimethyl phthalate	ND		200	5.3
84-74-2	Di-n-butyl phthalate	ND		200	70
117-84-0	Di-n-octyl phthalate	ND		200	4.7
206-44-0	Fluoranthene	370		200	2.9
86-73-7	Fluorene	ND		200	4.6
118-74-1	Hexachlorobenzene	ND		200	10
87-68-3	Hexachlorobutadiene	ND		200	10
77-47-4	Hexachlorocyclopentadiene	ND		200	61
67-72-1	Hexachloroethane	ND		200	16
193-39-5	Indeno (1,2,3-cd)pyrene	170	J	200	5.6
78-59-1	Isophorone	ND		200	10
91-20-3	Naphthalene	42	J	200	3.4
98-95-3	Nitrobenzene	ND		200	8.9
621-64-7	N-Nitrosodi-n-propylamine	ND		200	16
86-30-6	N-Nitrosodiphenylamine	ND		200	11
87-86-5	Pentachlorophenol	ND		390	69
85-01-8	Phenanthrene	220		200	4.2
108-95-2	Phenol	ND		200	21
129-00-0	Pyrene	300		200	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: SB-C1 (5-8) Lab Sample ID: 480-9503-4
Matrix: Solid Lab File ID: V4929.D
Analysis Method: 8270C Date Collected: 09/06/2011 14:10
Extract. Method: 3550B Date Extracted: 09/09/2011 09:45
Sample wt/vol: +30.76(g) Date Analyzed: 09/12/2011 13:30
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 18.3 GPC Cleanup: (Y/N) N
Analysis Batch No.: 30771 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	75		39-146
321-60-8	2-Fluorobiphenyl	92		37-120
367-12-4	2-Fluorophenol	75		18-120
4165-60-0	Nitrobenzene-d5	81		34-132
4165-62-2	Phenol-d5	87		11-120
1718-51-0	p-Terphenyl-d14	93		58-147

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: SB-C1 (5-8) Lab Sample ID: 480-9503-4
Matrix: Solid Lab File ID: V4929.D
Analysis Method: 8270C Date Collected: 09/06/2011 14:10
Extract. Method: 3550B Date Extracted: 09/09/2011 09:45
Sample wt/vol: +30.76(g) Date Analyzed: 09/12/2011 13:30
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 18.3 GPC Cleanup: (Y/N) N
Analysis Batch No.: 30771 Units: ug/Kg
Number TICs Found: 11 TIC Result Total: 4440

CAS NO.	COMPOUND NAME	RT	RESULT	Q
79-1-6	Trichloroethylene	1.86	670	T J N
	Voa Target	4.66	620	T J
	Unknown alkane	13.60	210	T J
630-7-9	Pentatriacontane	13.89	370	T J N
	Unknown alkane	14.16	470	T J
	Unknown alkane	14.43	480	T J
	Unknown alkane	14.70	380	T J
	Unknown alkane	14.99	500	T J
	Unknown	15.22	230	T J
	Unknown alkane	15.30	300	T J
	Unknown alkane	15.64	210	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\4929.D
 Lims ID: 480-9503-E-4-A Client ID: SB-C1 (5-8)
 Inject. Date: 12-Sep-2011 13:30:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0005869-018
 Misc. Info.: 480-9503-E-4-A
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 15
 Lims Batch ID: 30771 Lims Sample ID: 18
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\8270.m
 Last Update: 13-Sep-2011 10:08:30 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 13-Sep-2011 10:08:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.856	5.856	0.0	95	99450	40.0	
* 2 Naphthalene-d8	136	7.571	7.571	0.0	99	399219	40.0	
* 3 Acenaphthene-d10	164	9.847	9.847	-0.001	91	232643	40.0	
* 4 Phenanthrene-d10	188	11.545	11.545	0.0	97	377260	40.0	
* 5 Chrysene-d12	240	14.024	14.024	0.0	98	394992	40.0	
* 6 Perylene-d12	264	15.328	15.322	0.006	98	467785	40.0	
\$ 9 2-Fluorophenol	112	4.002	4.002	0.0	94	352691	113.2	
\$ 10 Phenol-d5	99	5.364	5.364	0.0	88	514392	130.5	
\$ 11 Nitrobenzene-d5	82	6.609	6.609	0.0	87	321688	80.5	
\$ 12 2-Fluorobiphenyl	172	8.992	8.992	0.0	100	682146	91.7	
\$ 13 2,4,6-Tribromophenol	330	10.792	10.792	0.0	85	87944	111.9	
\$ 14 p-Terphenyl-d14	244	13.089	13.089	0.0	97	788946	92.5	
88 Benzaldehyde	77		5.231					
89 Phenol	94		5.386					
91 Bis(2-chloroethyl)ether	93		5.487					
93 2-Chlorophenol	128		5.567					
98 2-Methylphenol	108		6.225					
99 2,2'-oxybis[1-chloropropane]	45		6.251					
104 Acetophenone	105		6.406					
101 N-Nitrosodi-n-propylamine	70		6.422					
102 4-Methylphenol	108		6.438					
106 Hexachloroethane	117		6.550					
107 Nitrobenzene	77		6.636					
110 Isophorone	82		6.962					
111 2-Nitrophenol	139		7.069					
112 2,4-Dimethylphenol	107		7.154					
115 Bis(2-chloroethoxy)methane	93		7.266					
117 2,4-Dichlorophenol	162		7.400					
121 Naphthalene	128	7.597	7.597	0.0	1	10319	1.05	
123 4-Chloroaniline	127		7.678					
126 Hexachlorobutadiene	225		7.795					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113		8.089					
131 4-Chloro-3-methylphenol	107		8.340					
133 2-Methylnaphthalene	142	8.511	8.511	0.0	37	10667	1.58	
136 Hexachlorocyclopentadiene	237		8.735					
139 2,4,6-Trichlorophenol	196		8.885					
140 2,4,5-Trichlorophenol	196		8.933					
144 1,1'-Biphenyl	154	9.115	9.115	0.0	1	2691	0.3123	
143 2-Chloronaphthalene	162		9.136					
145 2-Nitroaniline	65		9.270					
147 Dimethyl phthalate	163		9.521					
148 2,6-Dinitrotoluene	165		9.585					
149 Acenaphthylene	152	9.665	9.660	0.005	39	6163	0.6132	
150 3-Nitroaniline	138		9.798					
151 Acenaphthene	153		9.889					
152 2,4-Dinitrophenol	184		9.927					
153 4-Nitrophenol	109		10.034					
154 2,4-Dinitrotoluene	165		10.092					
155 Dibenzofuran	168	10.103	10.103	0.0	22	7441	0.8121	
160 Diethyl phthalate	149		10.397					
161 Fluorene	166		10.514					
162 4-Chlorophenyl phenyl ether	204		10.520					
164 4-Nitroaniline	138		10.541					
166 4,6-Dinitro-2-methylphenol	198		10.584					
167 N-Nitrosodiphenylamine	169		10.659					
176 4-Bromophenyl phenyl ether	248		11.075					
177 Hexachlorobenzene	284		11.155					
180 Atrazine	200		11.262					
181 Pentachlorophenol	266		11.364					
185 Phenanthrene	178	11.572	11.572	0.0	64	54604	5.41	
188 Anthracene	178	11.625	11.626	-0.001	43	11938	1.17	
189 Carbazole	167	11.791	11.796	-0.005	4	3734	0.3937	
192 Di-n-butyl phthalate	149	12.149	12.149	0.0	39	4826	0.4238	
197 Fluoranthene	202	12.742	12.747	-0.005	96	100024	9.20	
199 Pyrene	202	12.950	12.956	-0.006	97	92553	7.43	
205 Butyl benzyl phthalate	149		13.517					
208 3,3'-Dichlorobenzidine	252		13.987					
210 Bis(2-ethylhexyl) phthalate	149	14.003	14.008	-0.005	87	8798	1.05	
209 Benzo[a]anthracene	228	14.013	14.019	-0.006	98	63842	5.54	
211 Chrysene	228	14.046	14.051	-0.005	64	74958	6.71	
212 Di-n-octyl phthalate	149		14.542					
213 Benzo[b]fluoranthene	252	14.959	14.959	0.0	92	96363	7.09	M
214 Benzo[k]fluoranthene	252	14.970	14.986	-0.016	96	50326	3.53	M
217 Benzo[a]pyrene	252	15.269	15.274	-0.005	66	70103	6.15	
219 Indeno[1,2,3-cd]pyrene	276	16.466	16.476	-0.010	95	60044	4.34	
220 Dibenz(a,h)anthracene	278	16.471	16.482	-0.011	9	17452	1.50	
221 Benzo[g,h,i]perylene	276	16.802	16.808	-0.006	90	61631	5.59	

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D
 Lims ID: 480-9503-E-4-A Client ID: SB-C1 (5-8)
 Inject. Date: 12-Sep-2011 13:30:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0005869-018
 Misc. Info.: 480-9503-E-4-A
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 15
 Lims Batch ID: 30771 Lims Sample ID: 18
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V-8270.m
 Last Update: 13-Sep-2011 10:08:30 Calib Date: 08-Sep-2011 10:41:30
 Tic RT Window: 1.500 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\Bufchrom\ChromData\Database\NIST98.L
 Min. Match: 85
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 13-Sep-2011 10:08:30

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
79-1-6	Trichloroethylene					
1.860	268802	16.9	1	98	121902	
	Voa Target					
4.659	249031	15.6	1	0	0	
	Unknown alkane					
13.602	183532	5.38	5	0	0	
630-7-9	Pentatriacontane					
13.885	320336	9.39	5	93	112346	
	Unknown alkane					
14.158	403439	11.8	5	0	0	
	Unknown alkane					
14.425	407791	12.0	5	0	0	
	Unknown alkane					
14.703	345736	9.57	6	0	0	
	Unknown alkane					
14.991	451917	12.5	6	0	0	
	Unknown					
15.215	207026	5.73	6	0	0	
	Unknown alkane					
15.301	269385	7.46	6	0	0	
	Unknown alkane					
15.637	191813	5.31	6	0	0	

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	5.856	637558	40.0
* 5 Chrysene-d12	14.024	1364908	40.0
* 6 Perylene-d12	15.328	1445296	40.0

QC Flag Legend

Processing Flags

Report Date: 13-Sep-2011 10:08:30

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File:

\\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D

Injection Date: 12-Sep-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 18

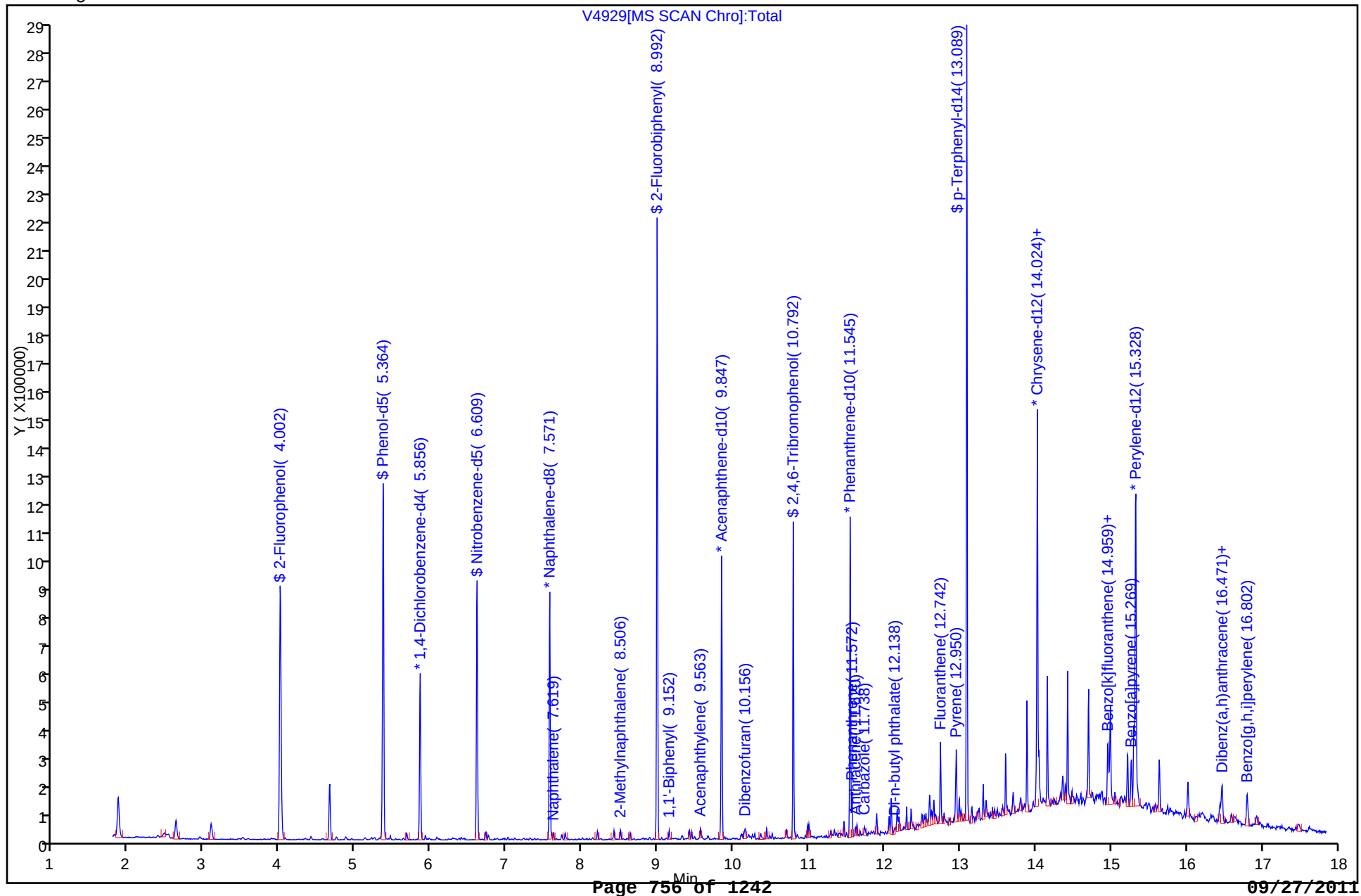
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



Report Date: 13-Sep-2011 10:08:30

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D

Injection Date: 12-Sep-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 18

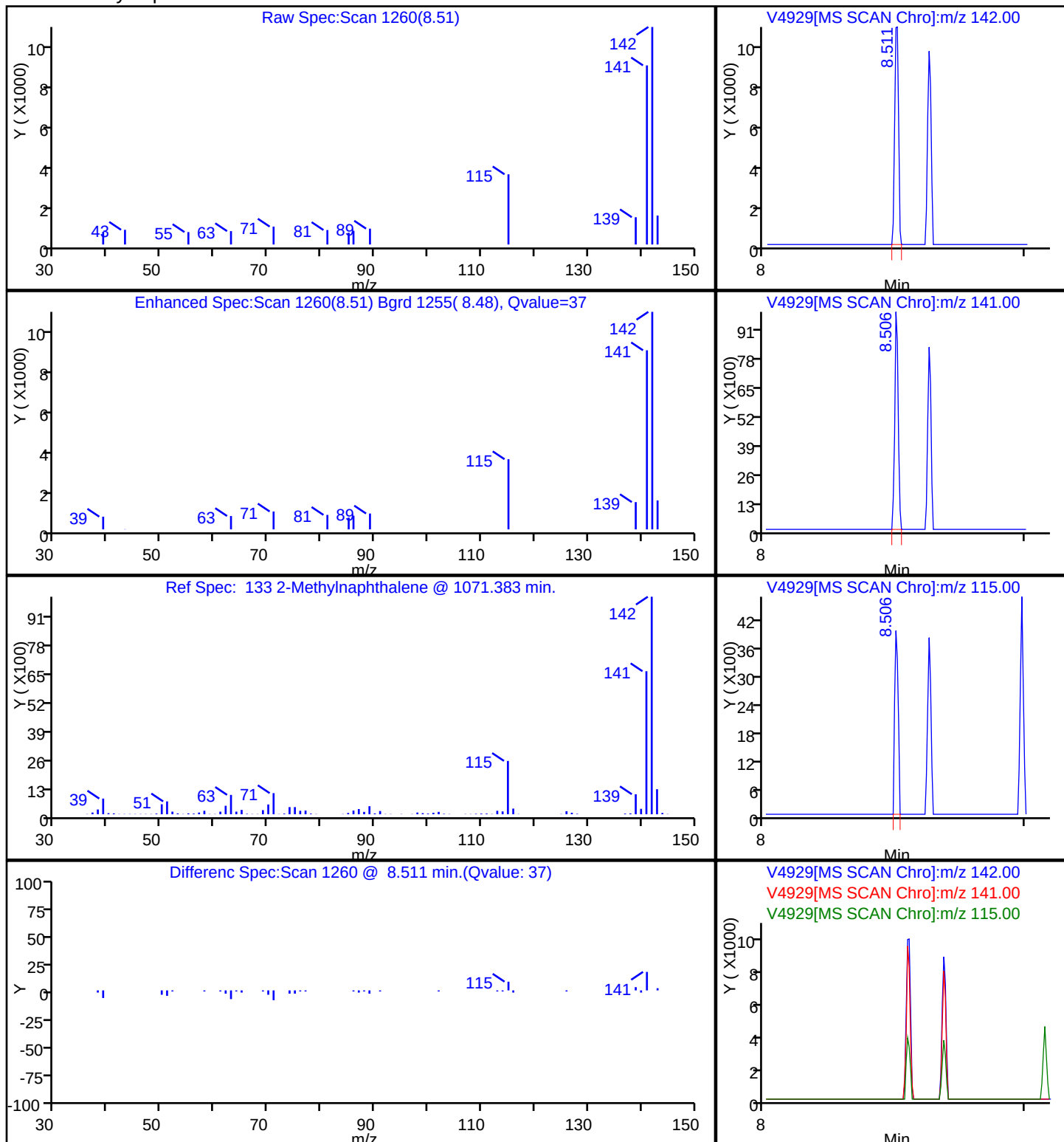
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

133 2-Methylnaphthalene



Report Date: 13-Sep-2011 10:08:30

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D

Injection Date: 12-Sep-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 18

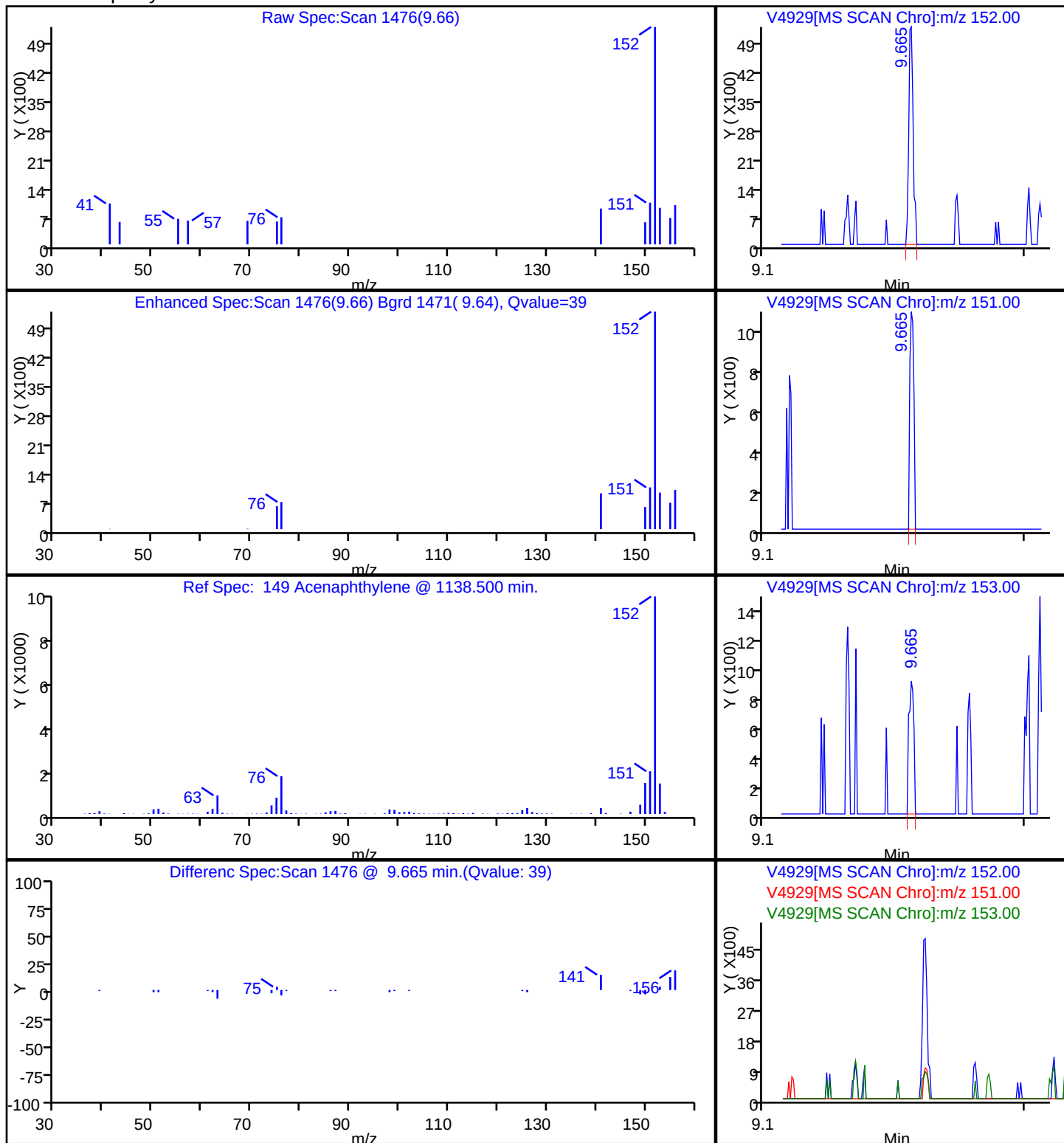
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

149 Acenaphthylene



Report Date: 13-Sep-2011 10:08:30

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D

Injection Date: 12-Sep-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 18

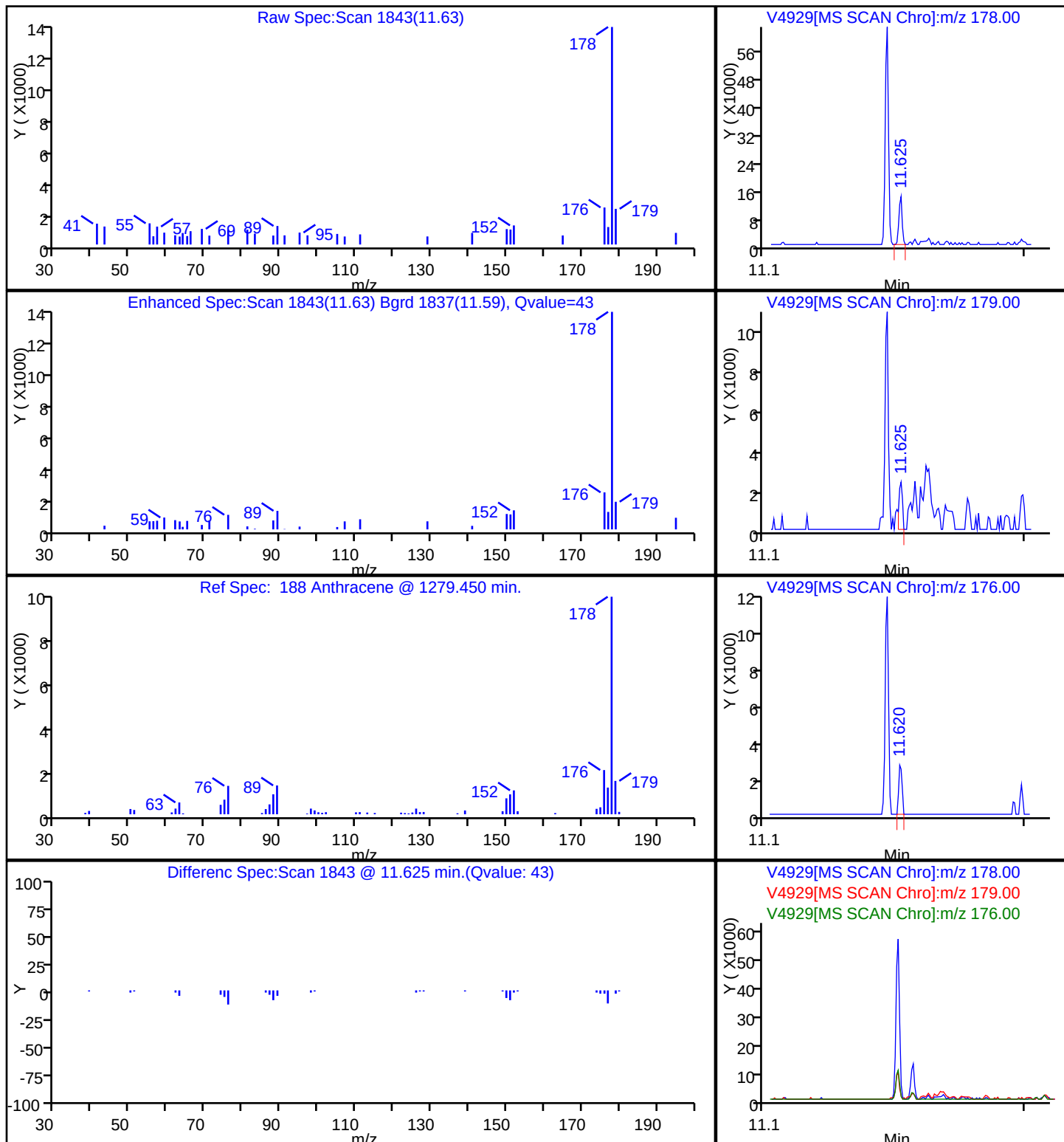
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

188 Anthracene



Report Date: 13-Sep-2011 10:08:30

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D

Injection Date: 12-Sep-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 18

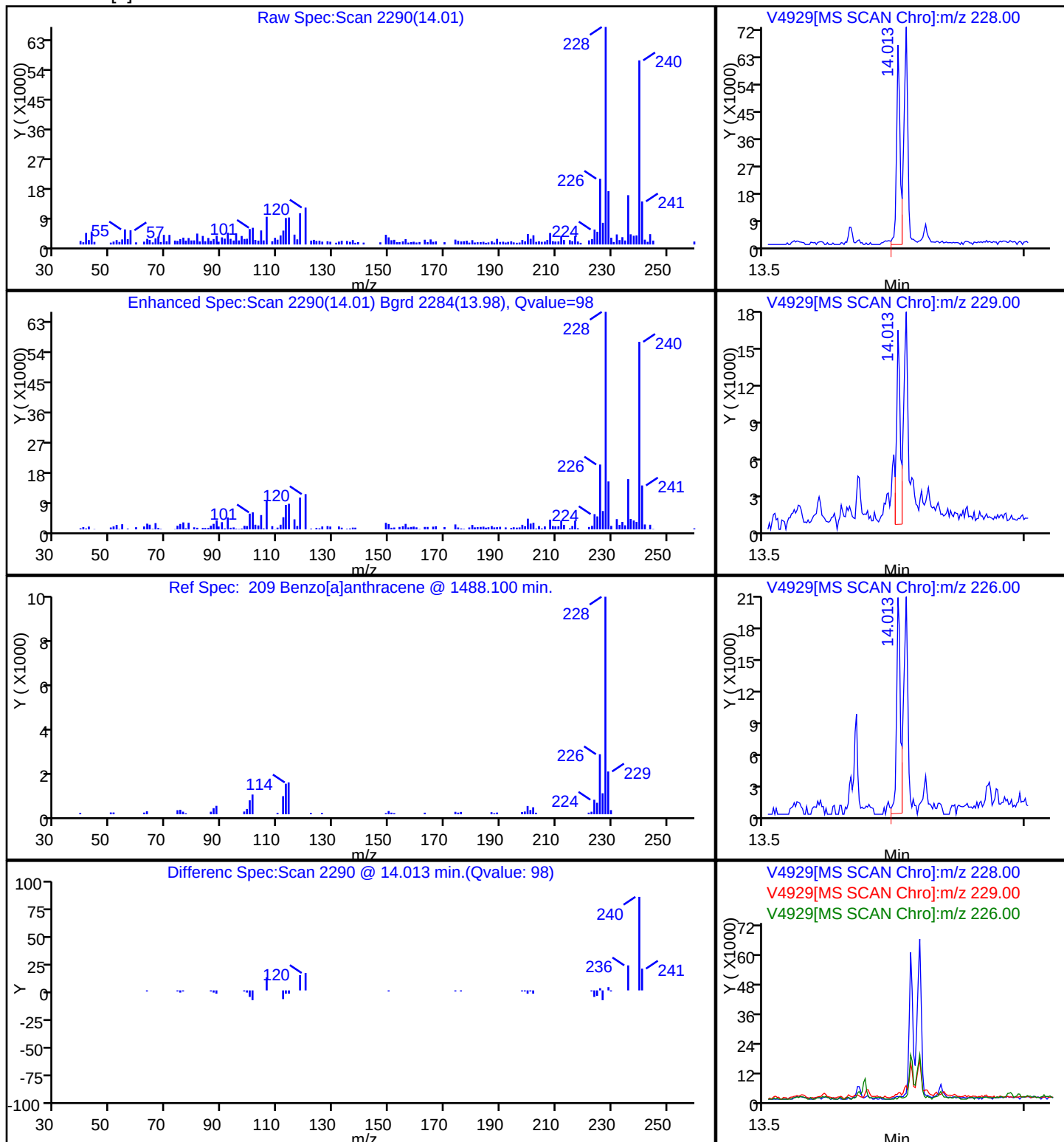
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

209 Benzo[a]anthracene



Report Date: 13-Sep-2011 10:08:31

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D

Injection Date: 12-Sep-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 18

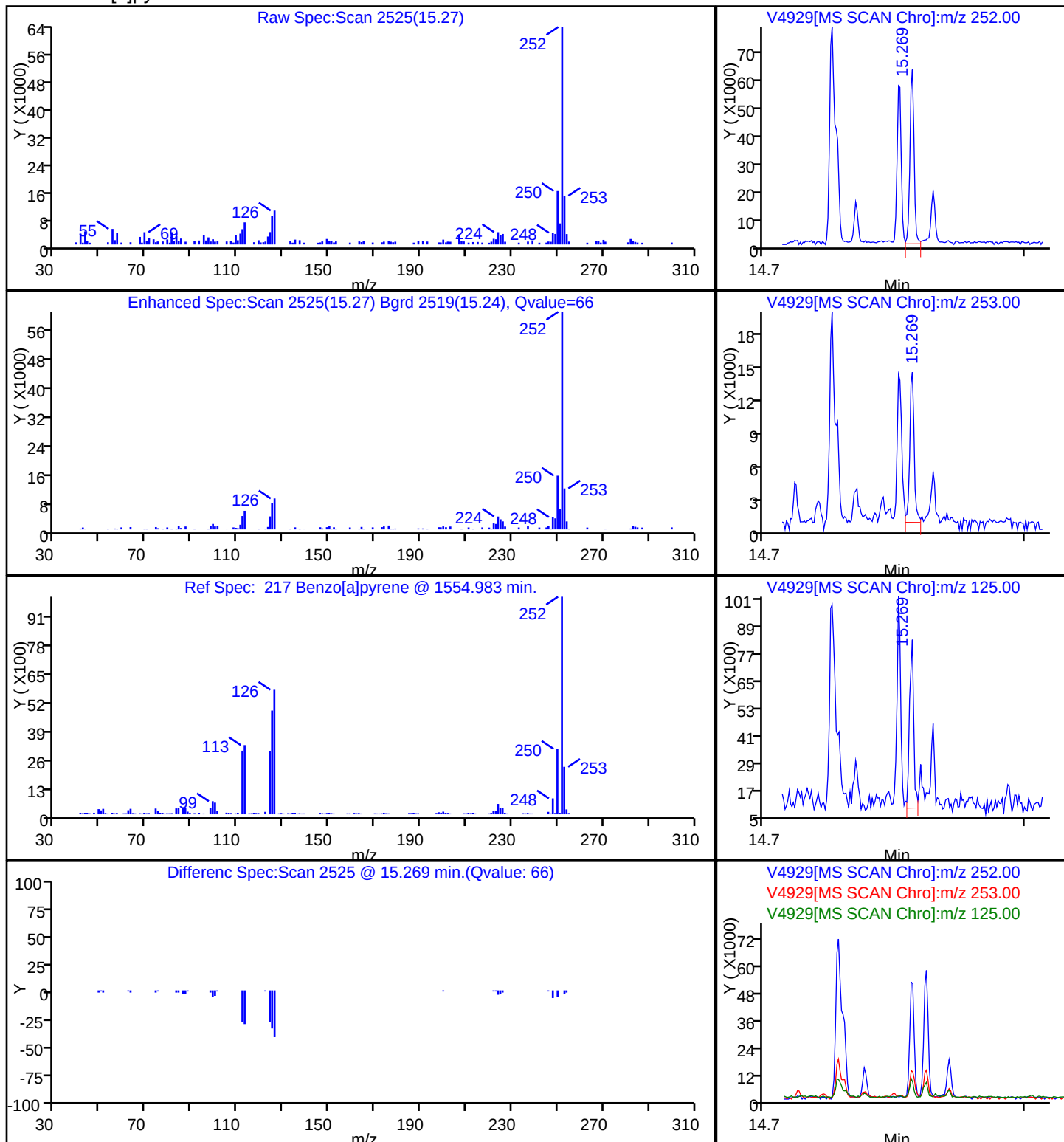
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

217 Benzo[a]pyrene



Report Date: 13-Sep-2011 10:08:30

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D

Injection Date: 12-Sep-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 18

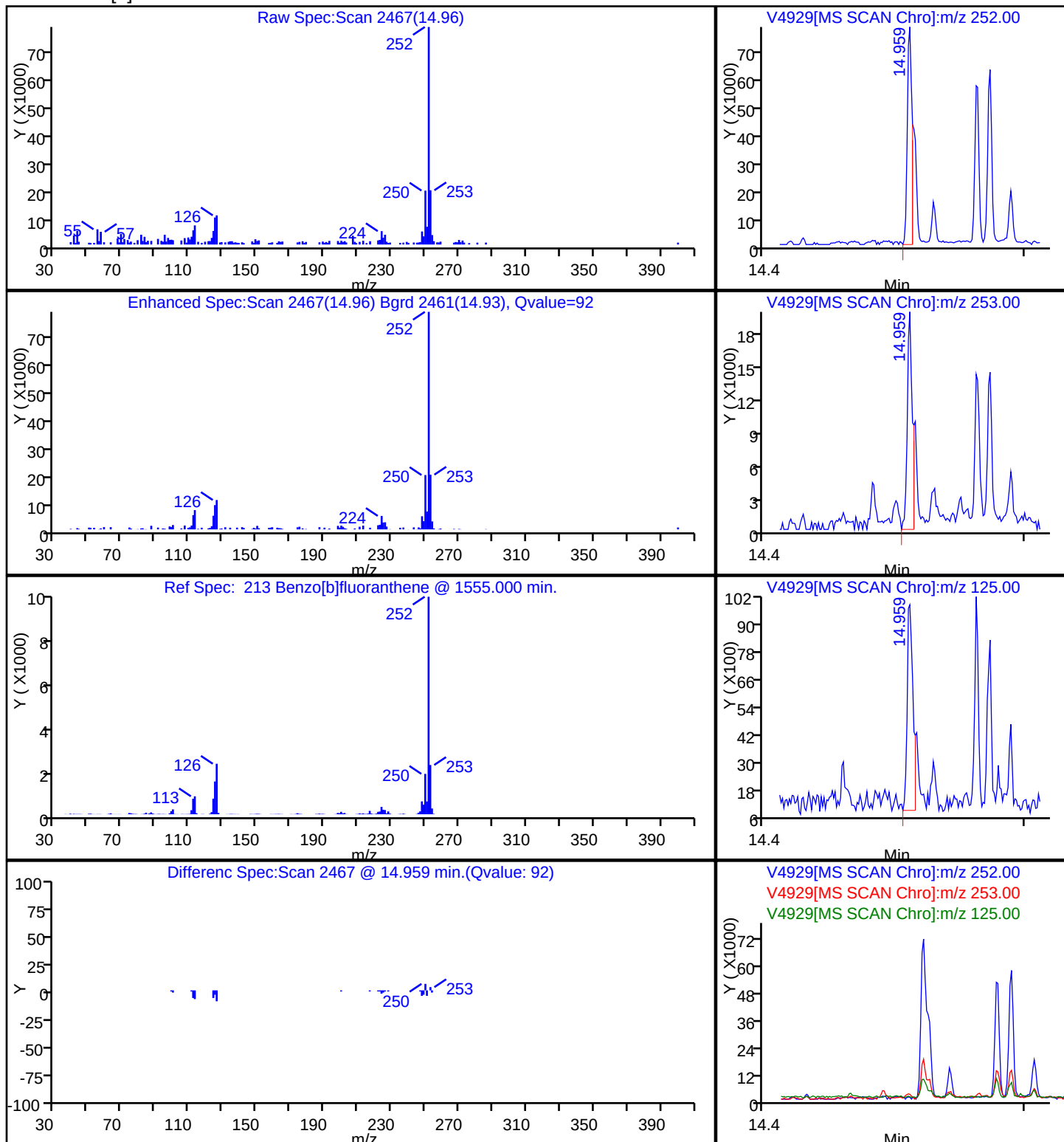
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

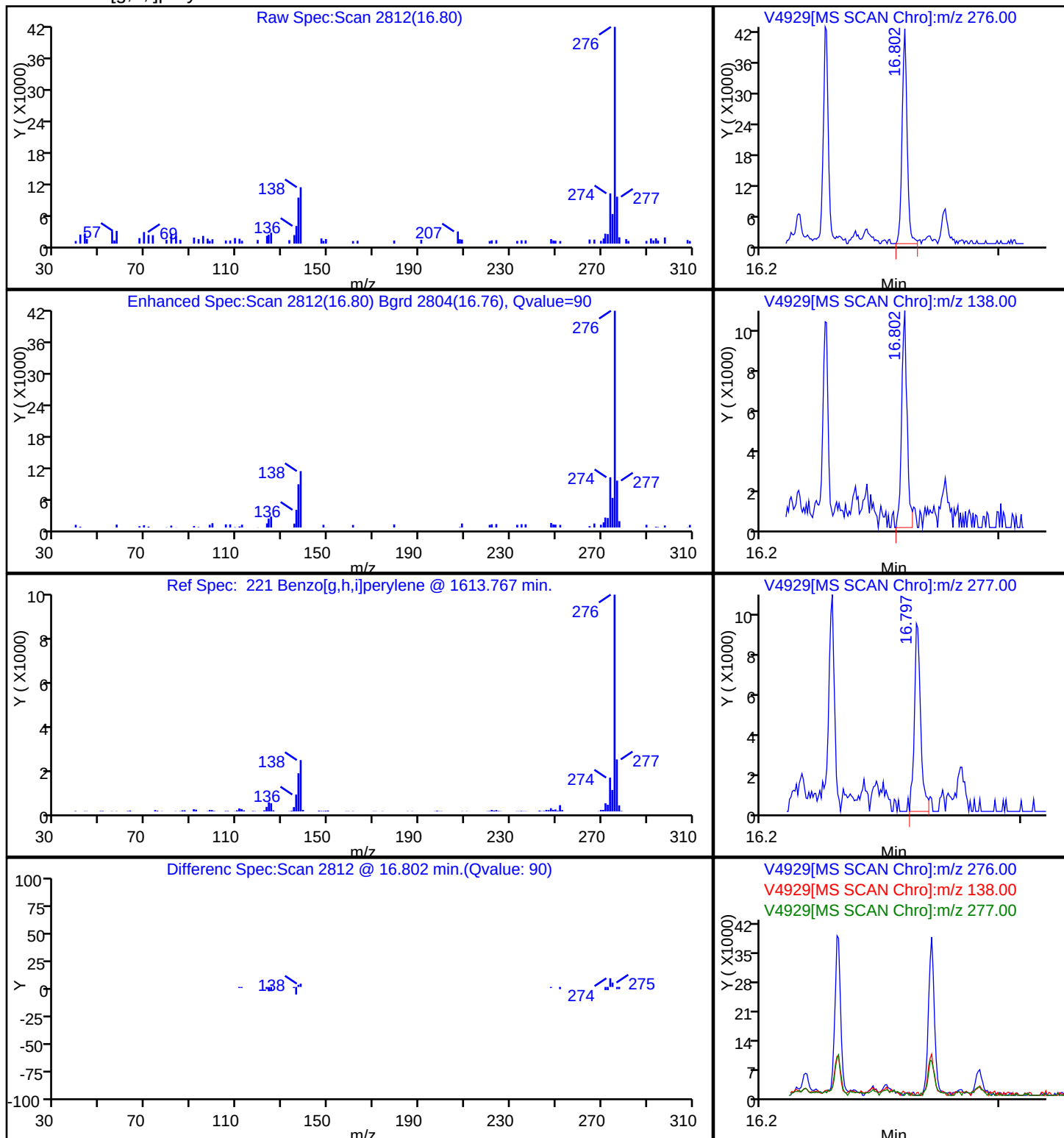
213 Benzo[b]fluoranthene



Report Date: 13-Sep-2011 10:08:31
 Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D
 Injection Date: 12-Sep-2011 13:30:30
 Client ID: SB-C1 (5-8)
 Lims Batch ID: 30771
 Operator ID: MKP
 Column Type: RXI-5Sil MS

Chrom Revision: 2.0 01-Sep-2011 14:10:00
 Limit Group: MB - 8270C ICAL
 Instrument ID: HP5973V
 Lims Sample ID: 18
 Injection Vol: 1.00 ul
 Column Dia: 0.25 mm

221 Benzo[g,h,i]perylene



Report Date: 13-Sep-2011 10:08:30

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D

Injection Date: 12-Sep-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 18

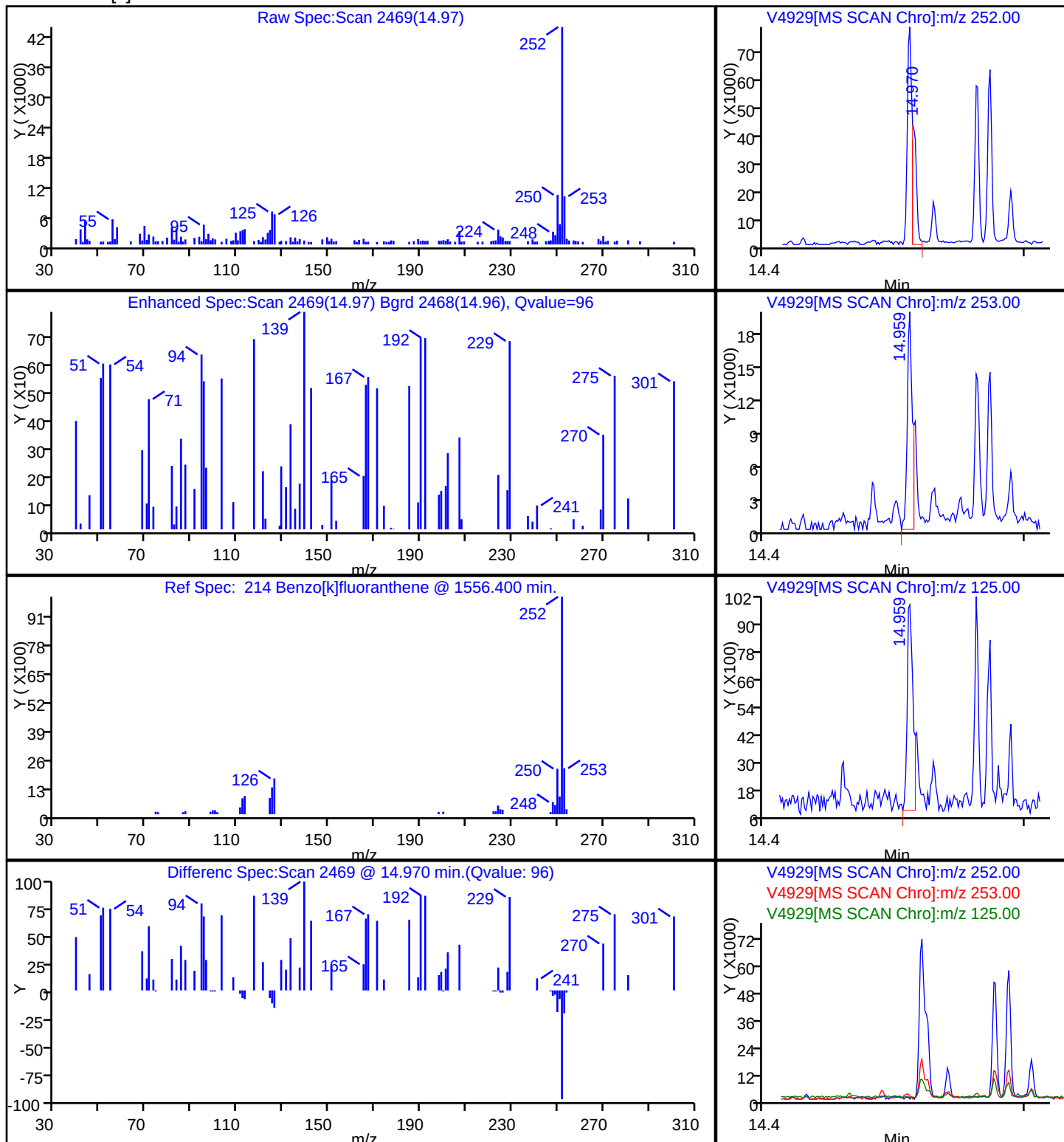
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

214 Benzo[k]fluoranthene



Report Date: 13-Sep-2011 10:08:30

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D

Injection Date: 12-Sep-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 18

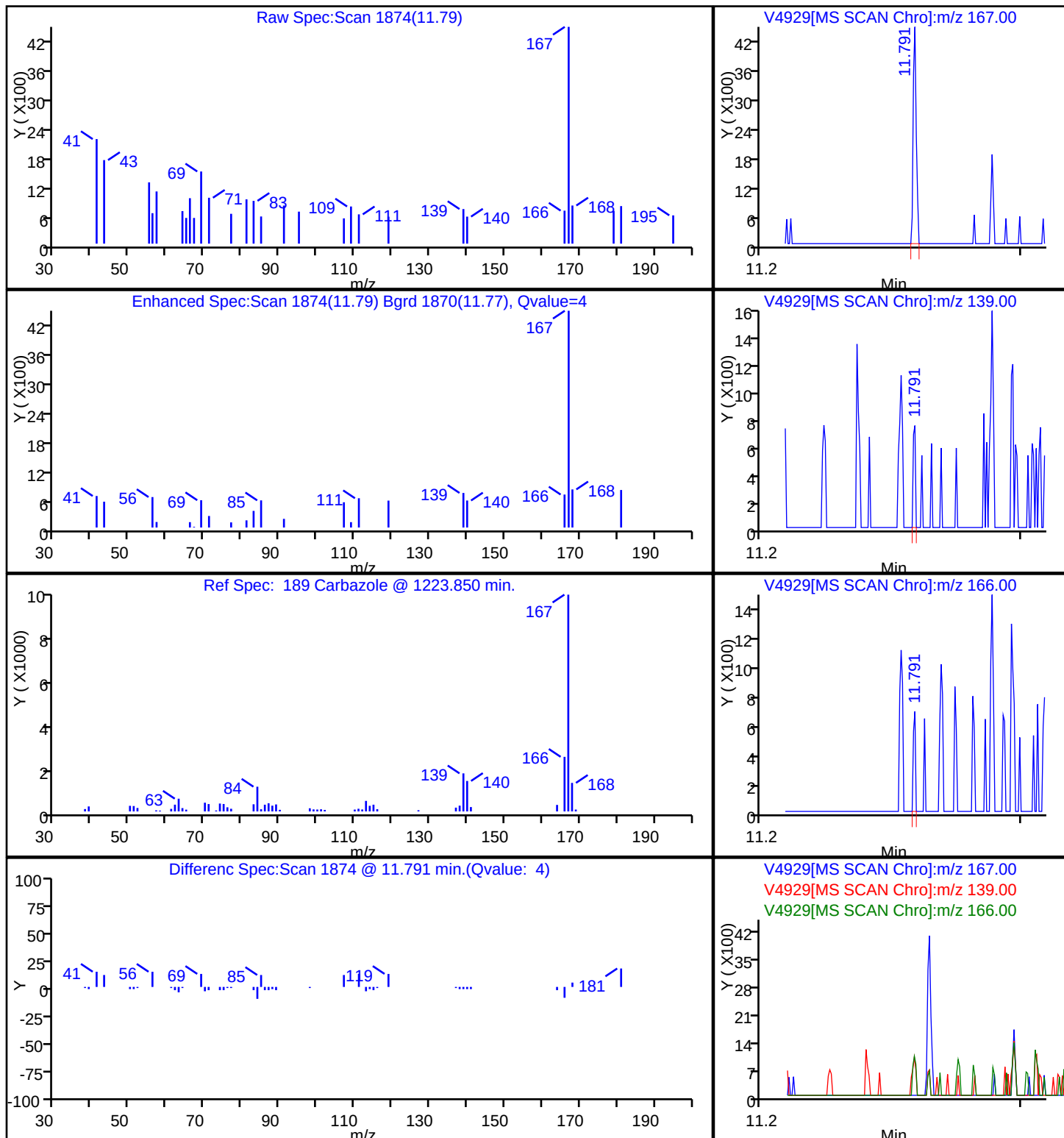
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

189 Carbazole



Report Date: 13-Sep-2011 10:08:30

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D

Injection Date: 12-Sep-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 18

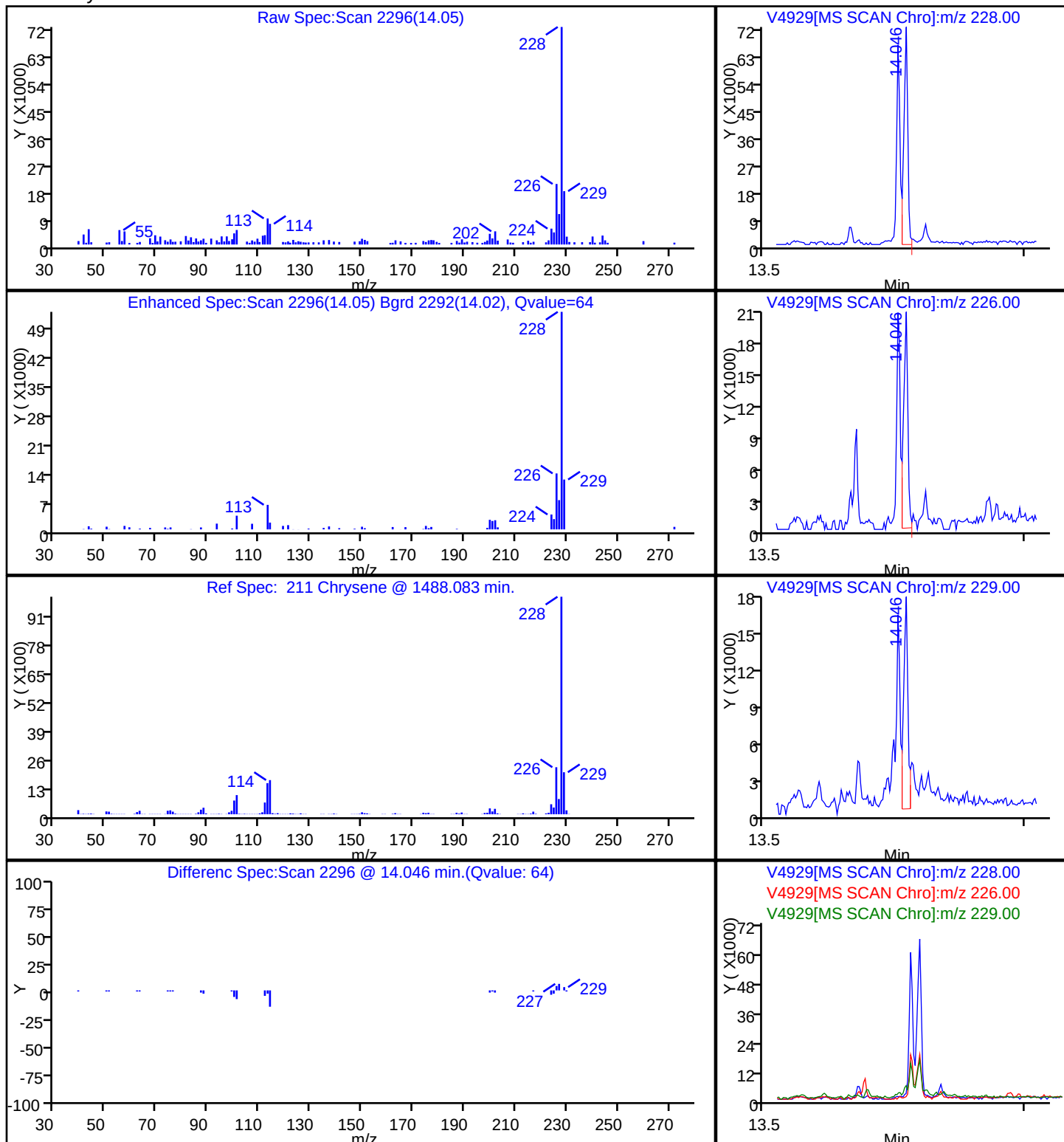
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

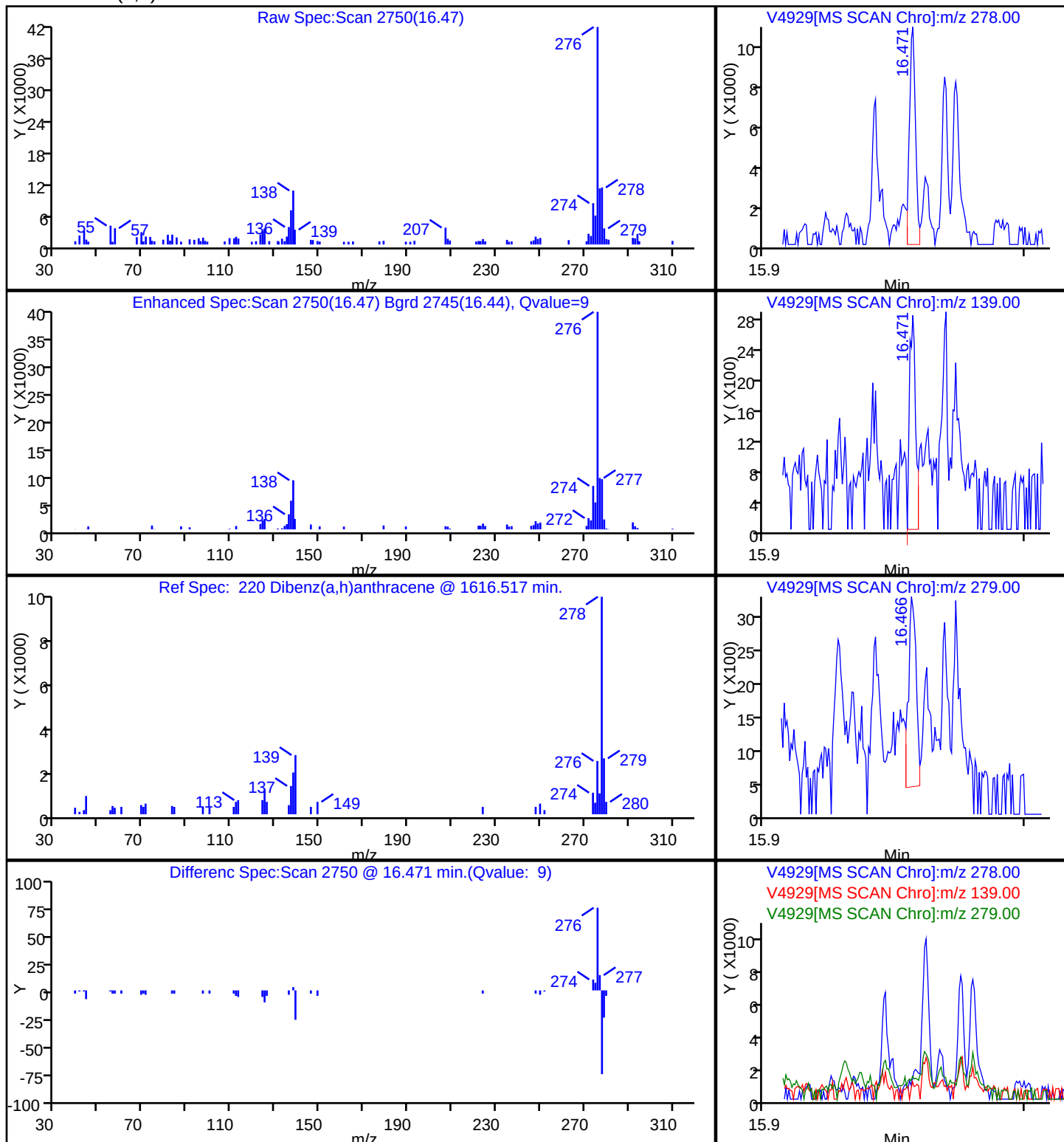
Column Dia: 0.25 mm

211 Chrysene



Report Date: 13-Sep-2011 10:08:31
Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D
Injection Date: 12-Sep-2011 13:30:30
Client ID: SB-C1 (5-8)
Lims Batch ID: 30771
Operator ID: MKP
Column Type: RXI-5Sil MS
220 Dibenz(a,h)anthracene

Chrom Revision: 2.0 01-Sep-2011 14:10:00
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973V
Lims Sample ID: 18
Injection Vol: 1.00 ul
Column Dia: 0.25 mm



Report Date: 13-Sep-2011 10:08:30

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D

Injection Date: 12-Sep-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 18

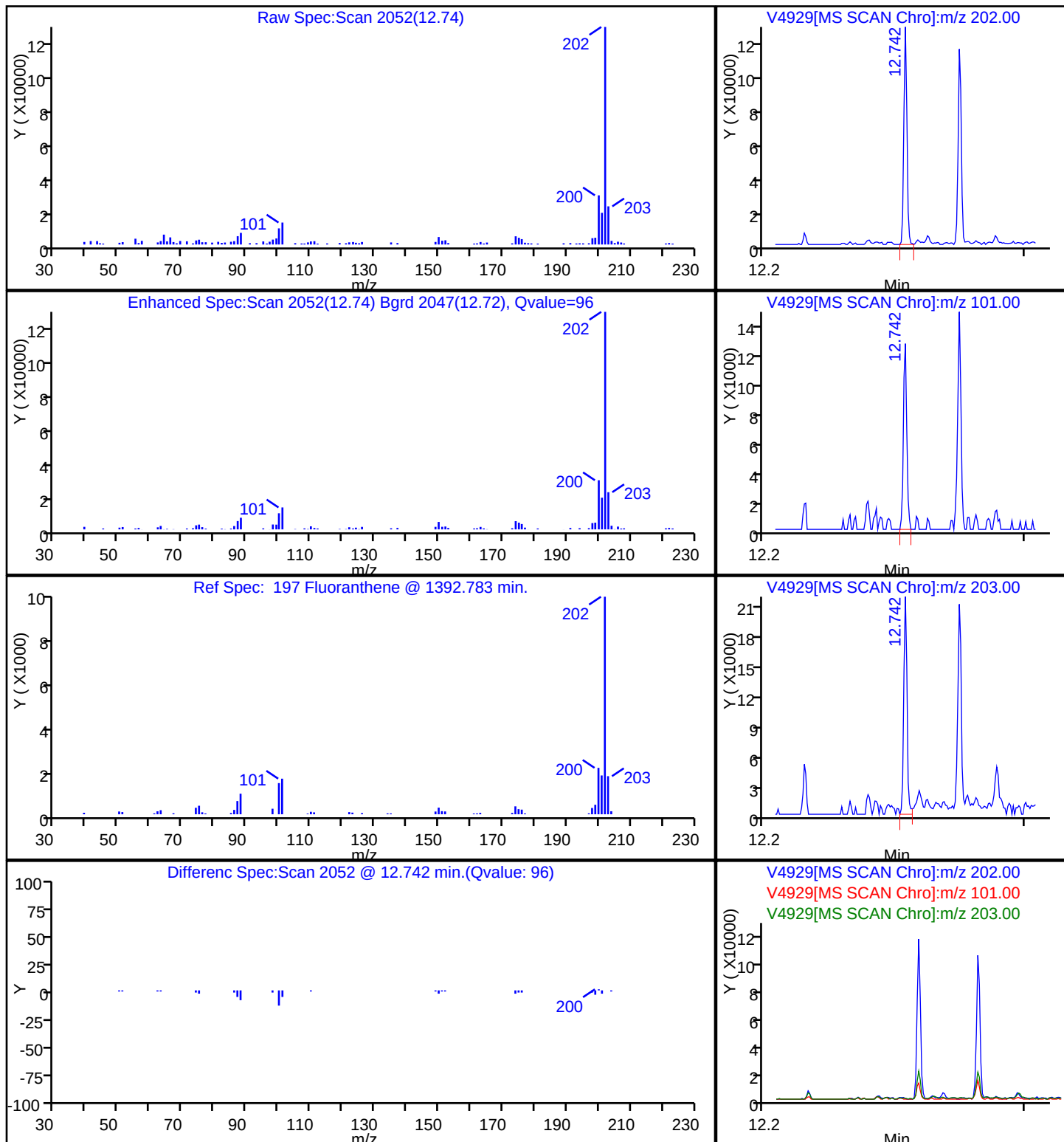
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

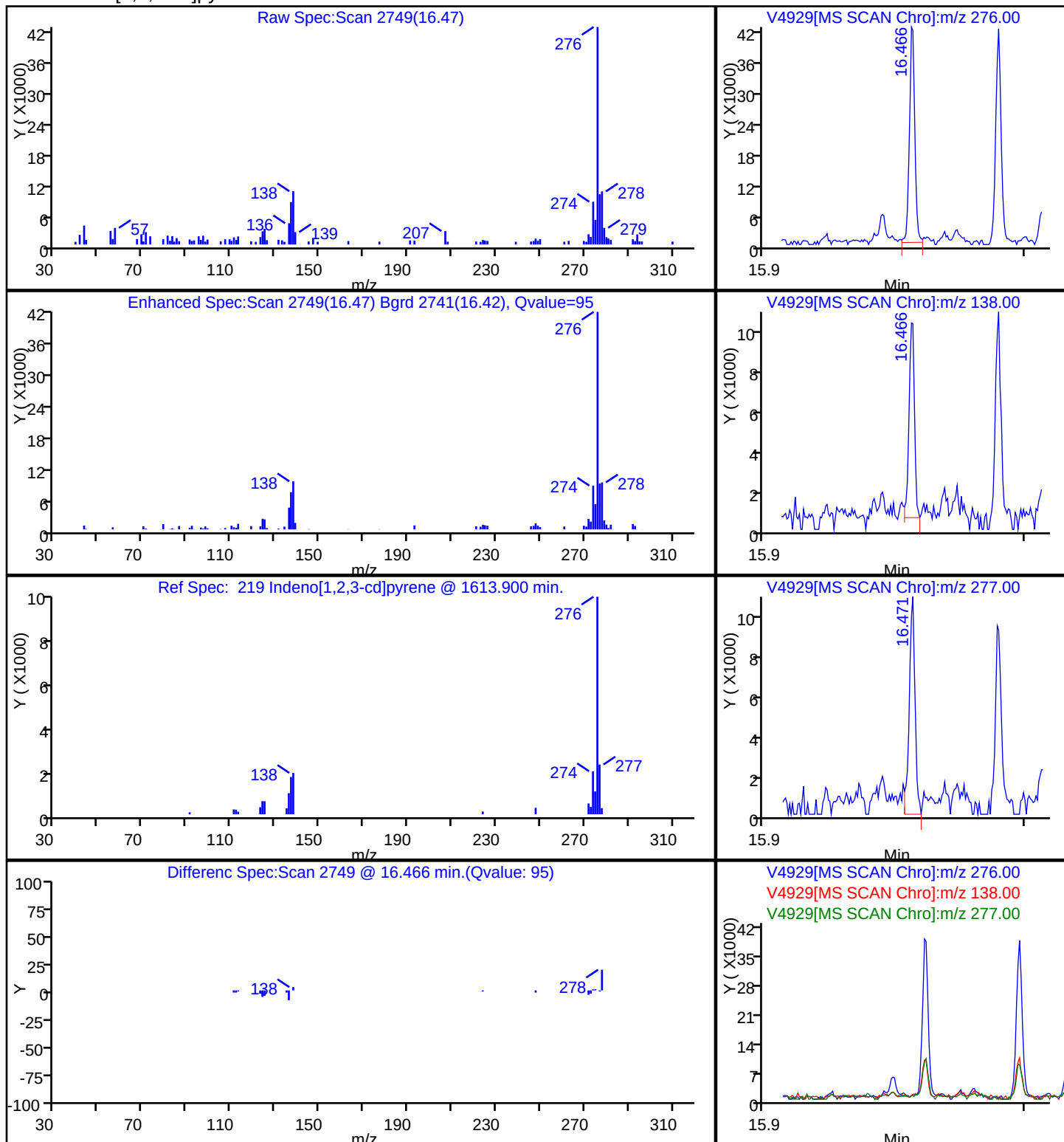
Column Dia: 0.25 mm

197 Fluoranthene



Report Date: 13-Sep-2011 10:08:31
Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D
Injection Date: 12-Sep-2011 13:30:30
Client ID: SB-C1 (5-8)
Lims Batch ID: 30771
Operator ID: MKP
Column Type: RXI-5Sil MS
219 Indeno[1,2,3-cd]pyrene

Chrom Revision: 2.0 01-Sep-2011 14:10:00
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973V
Lims Sample ID: 18
Injection Vol: 1.00 ul
Column Dia: 0.25 mm



Report Date: 13-Sep-2011 10:08:30

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D

Injection Date: 12-Sep-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 18

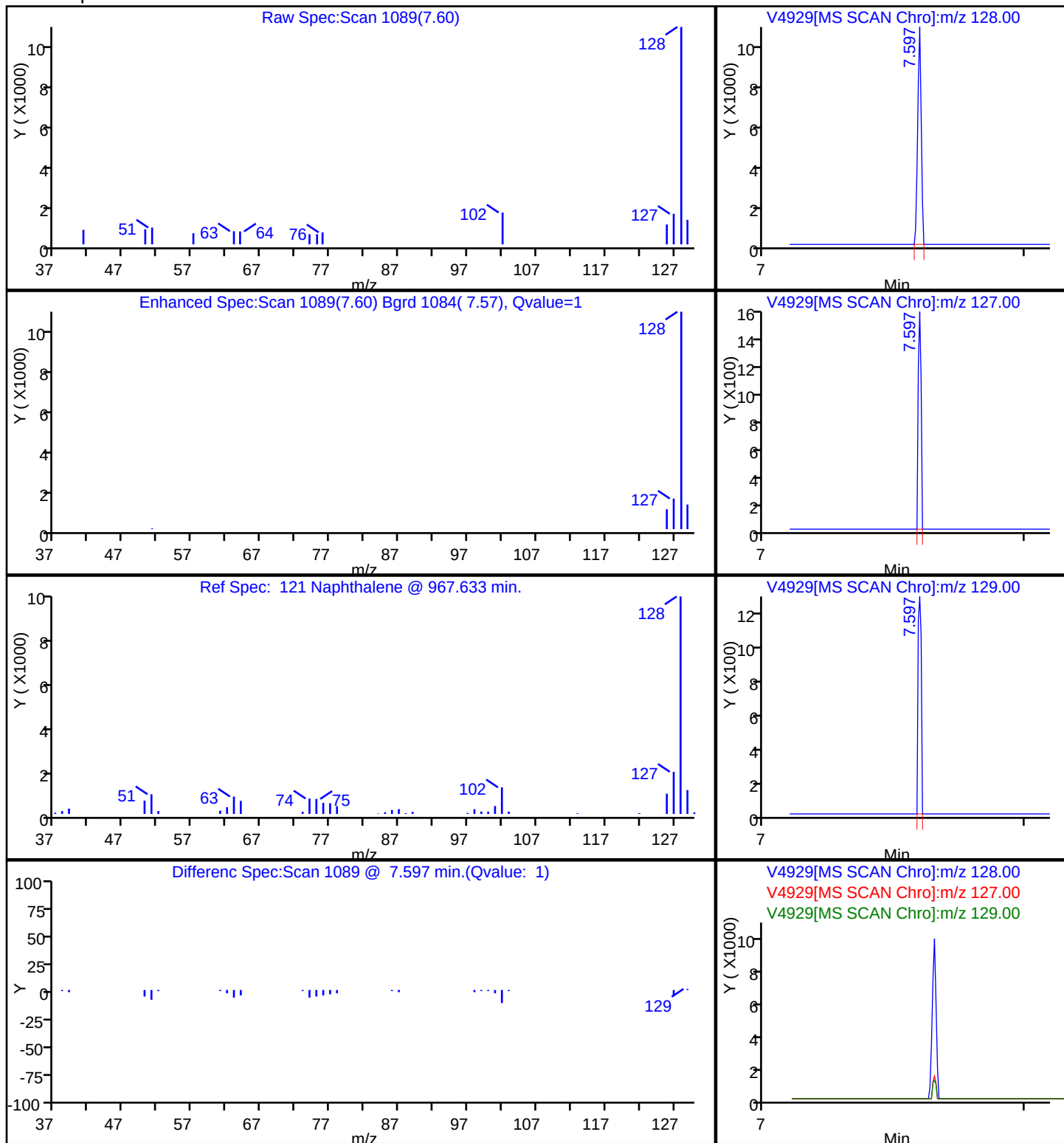
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

121 Naphthalene



Report Date: 13-Sep-2011 10:08:30

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D

Injection Date: 12-Sep-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 18

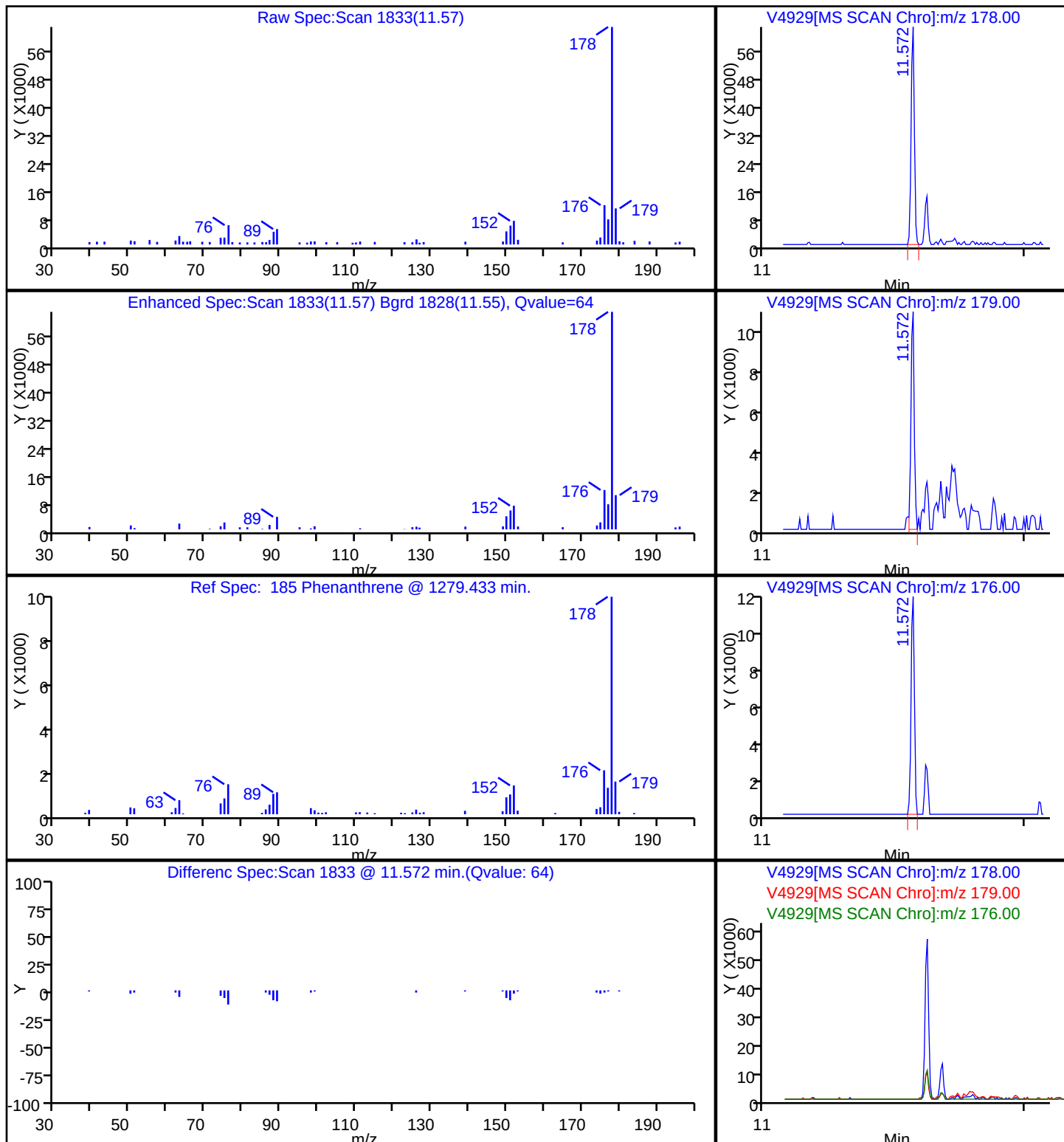
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

185 Phenanthrene



Report Date: 13-Sep-2011 10:08:30

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D

Injection Date: 12-Sep-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 18

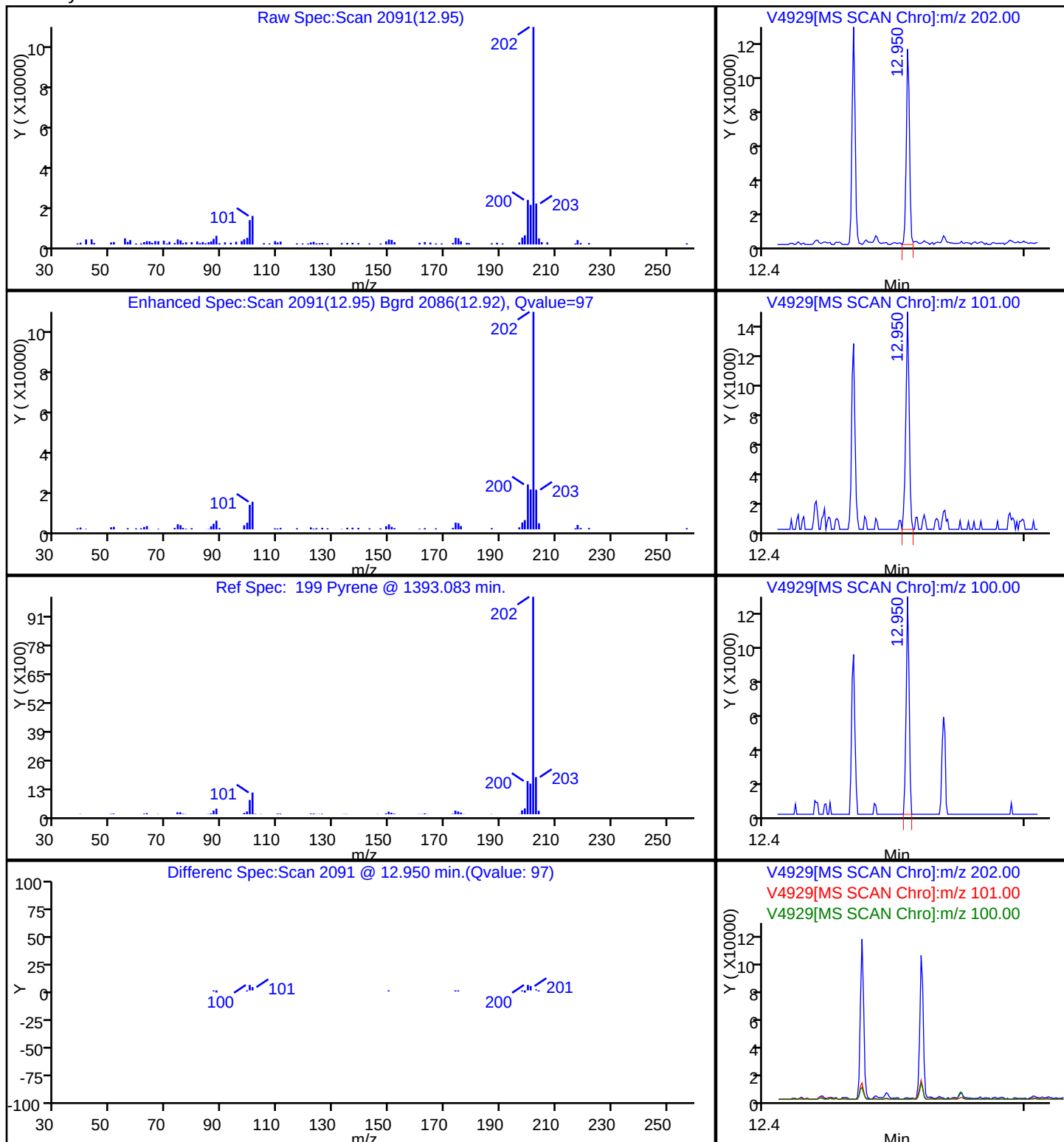
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

199 Pyrene

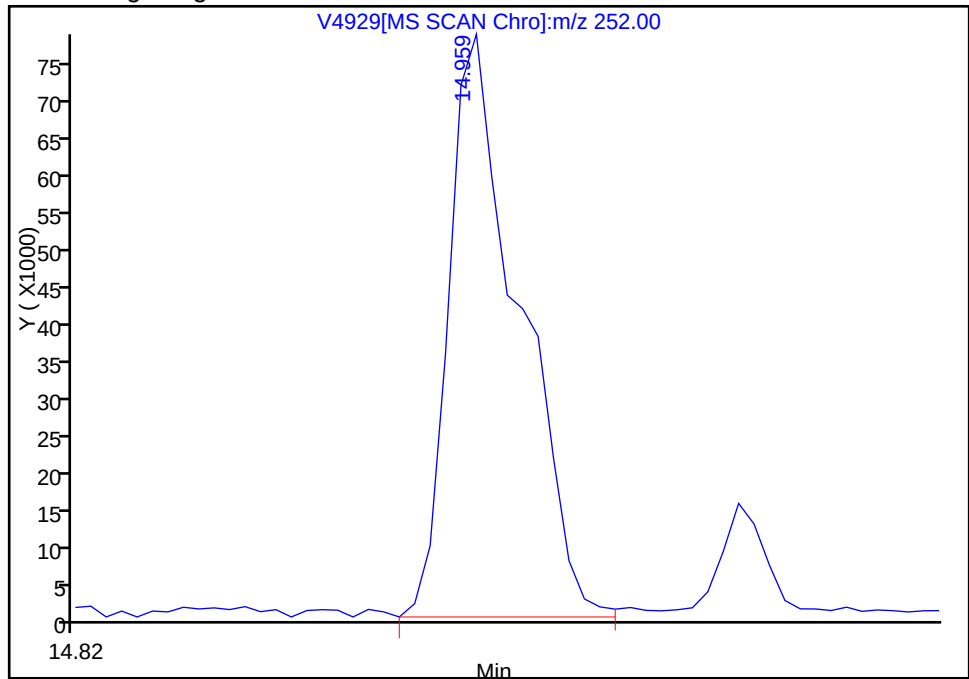


Data File:	\\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D		
Injection Date:	12-Sep-2011 13:30:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-C1 (5-8)	Instrument ID:	HP5973V
Lims Batch ID:	30771	Lims Sample ID:	18
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.96

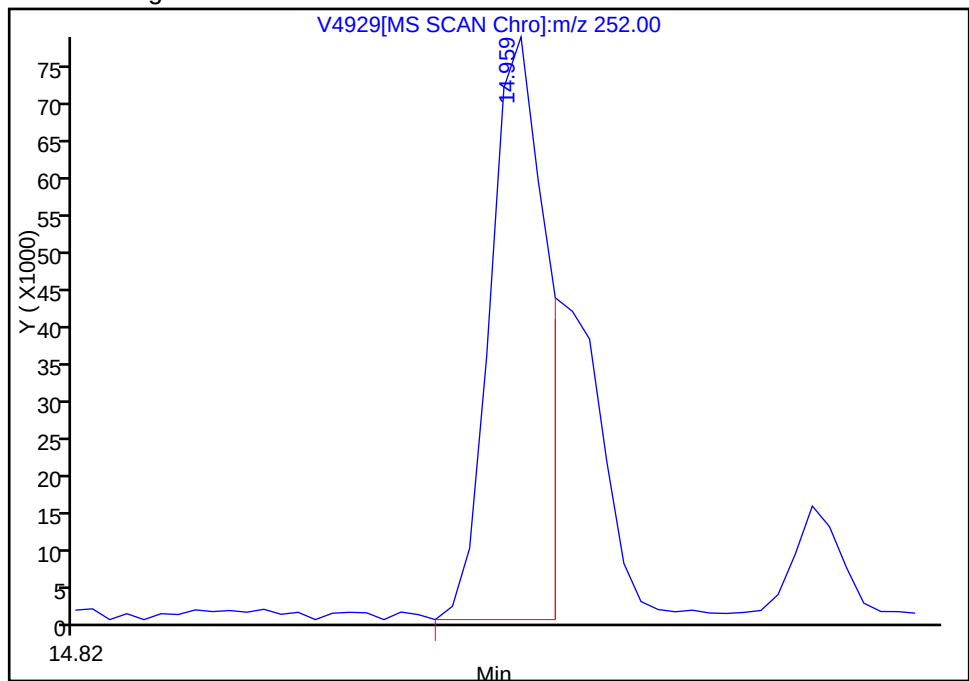
RT: 14.96
Response: 132746
Amount: 9.766397

Processing Integration Results



RT: 14.96
Response: 96363
Amount: 7.089625

Manual Integration Results



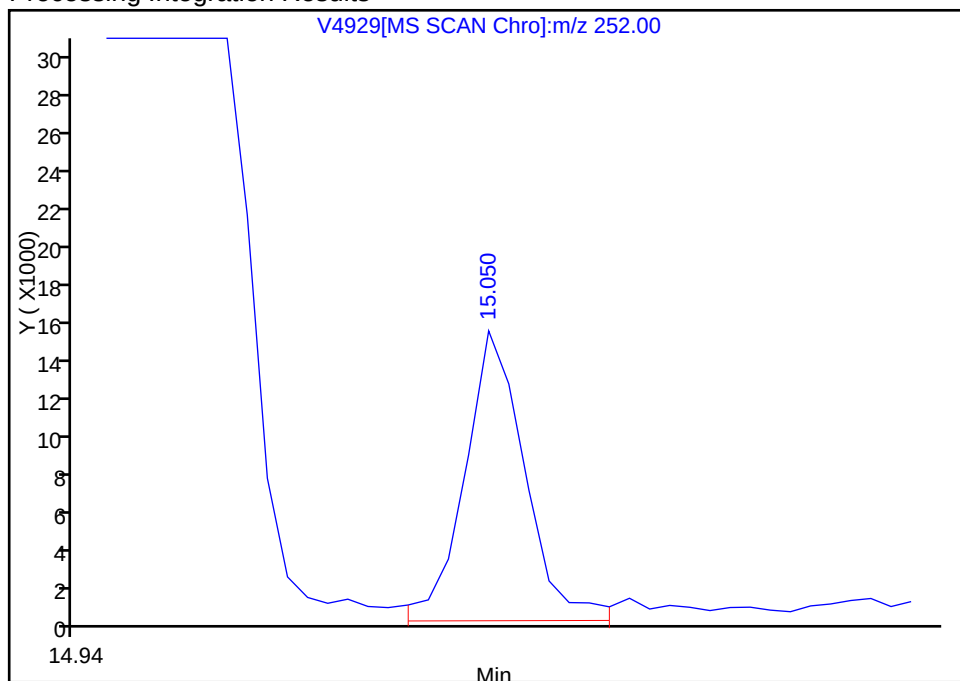
Reviewer: pagem, 13-Sep-2011 10:08:30
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

Data File:	\\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D		
Injection Date:	12-Sep-2011 13:30:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-C1 (5-8)	Instrument ID:	HP5973V
Lims Batch ID:	30771	Lims Sample ID:	18
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.99

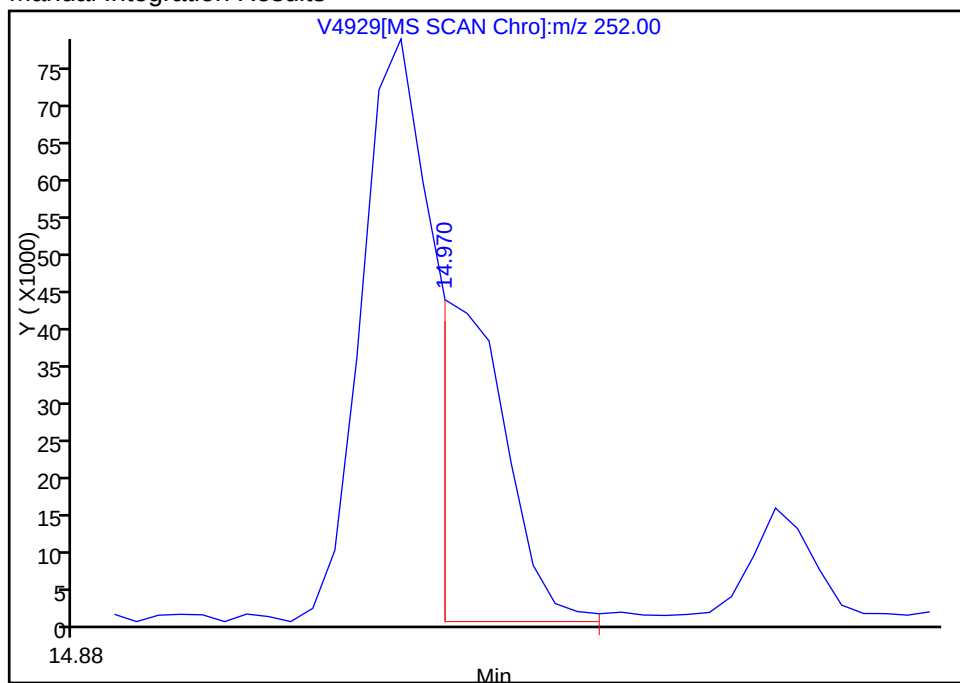
RT: 15.05
Response: 16988
Amount: 1.192193

Processing Integration Results



RT: 14.97
Response: 50326
Amount: 3.531804

Manual Integration Results



Reviewer: pagem, 13-Sep-2011 10:08:30

Audit Action: Split an Integrated Peak

Audit Reason: Wrong peak

Report Date: 13-Sep-2011 10:08:31

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D

Injection Date: 12-Sep-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 18

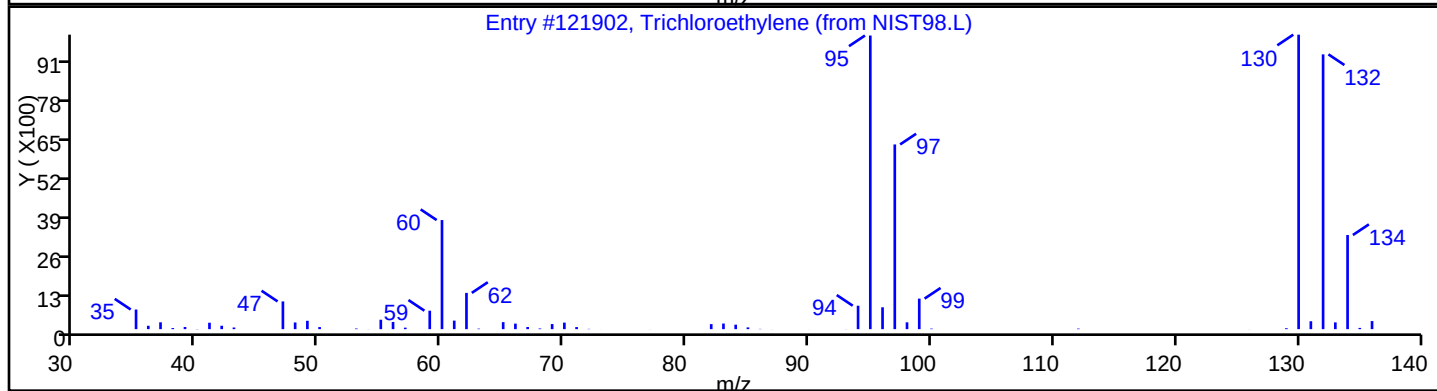
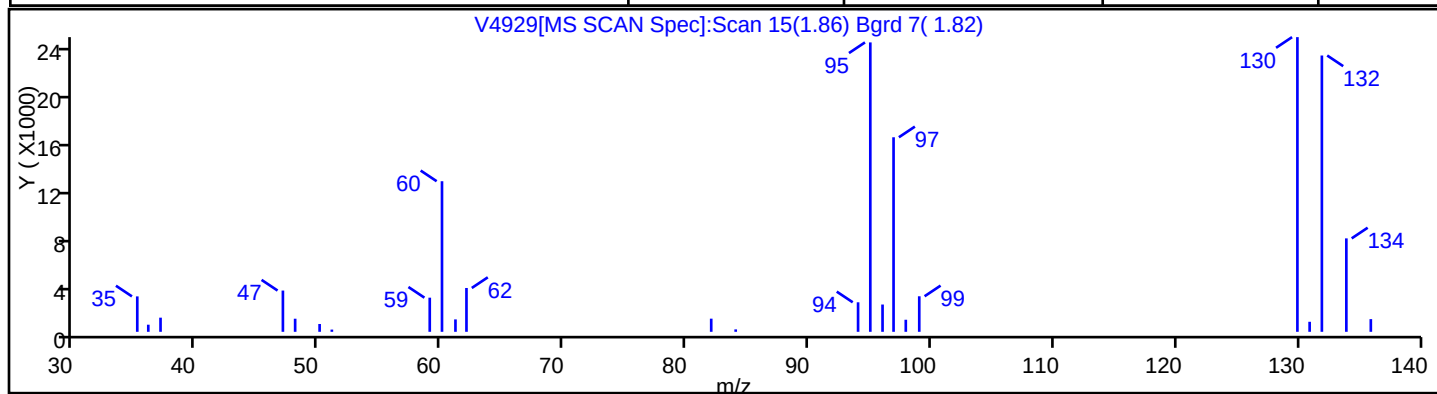
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Trichloroethylene	79-1-6	NIST98.L	121902	98



Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D

Injection Date: 12-Sep-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 18

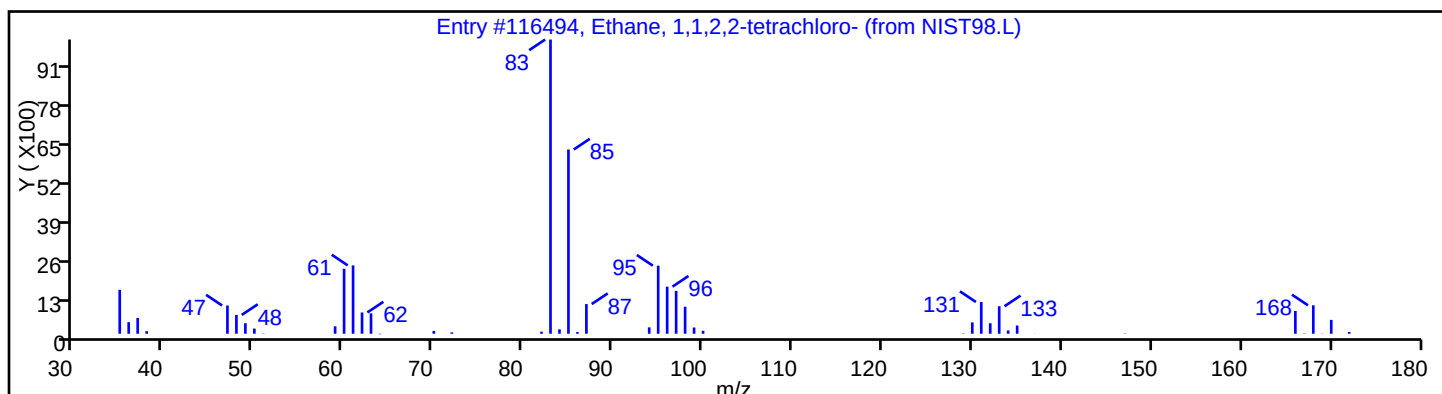
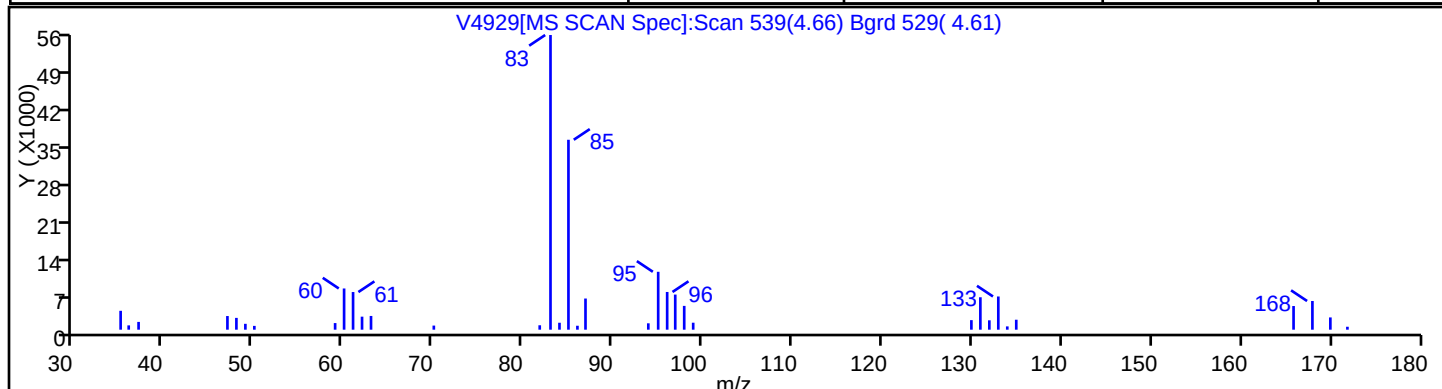
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Voa Target		NIST98.L	0	0
Ethane, 1,1,2,2-tetrachloro-	79-34-5	NIST98.L	116494	96



Report Date: 13-Sep-2011 10:08:31

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D

Injection Date: 12-Sep-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 18

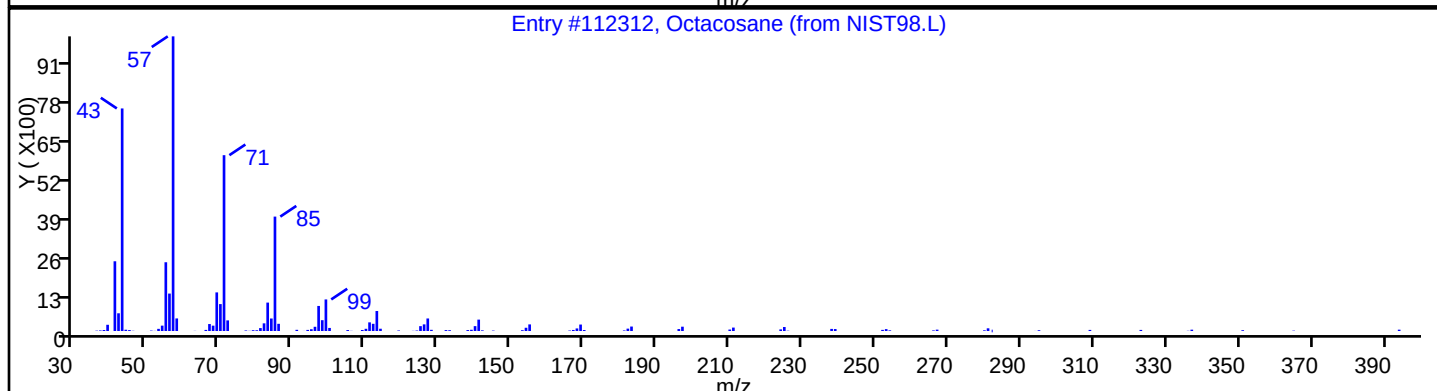
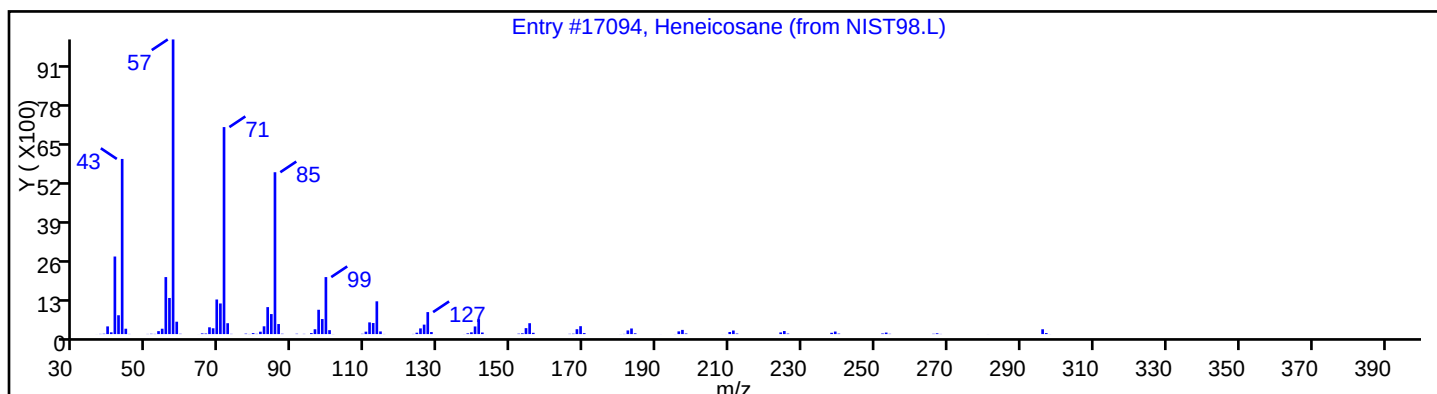
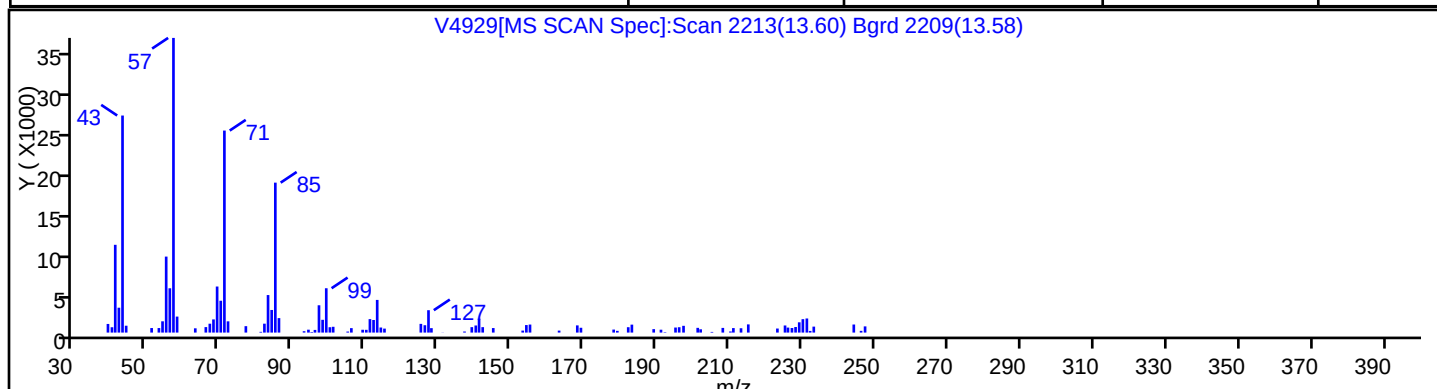
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown alkane		NIST98.L	0	0
Heneicosane	629-94-7	NIST98.L	17094	90
Octacosane	630-2-4	NIST98.L	112312	90



Report Date: 13-Sep-2011 10:08:31

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D

Injection Date: 12-Sep-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 18

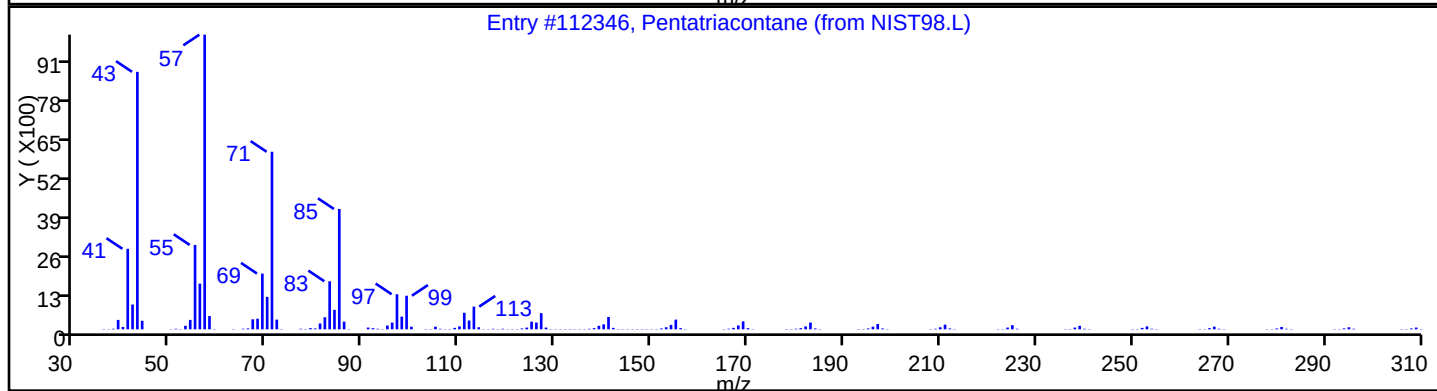
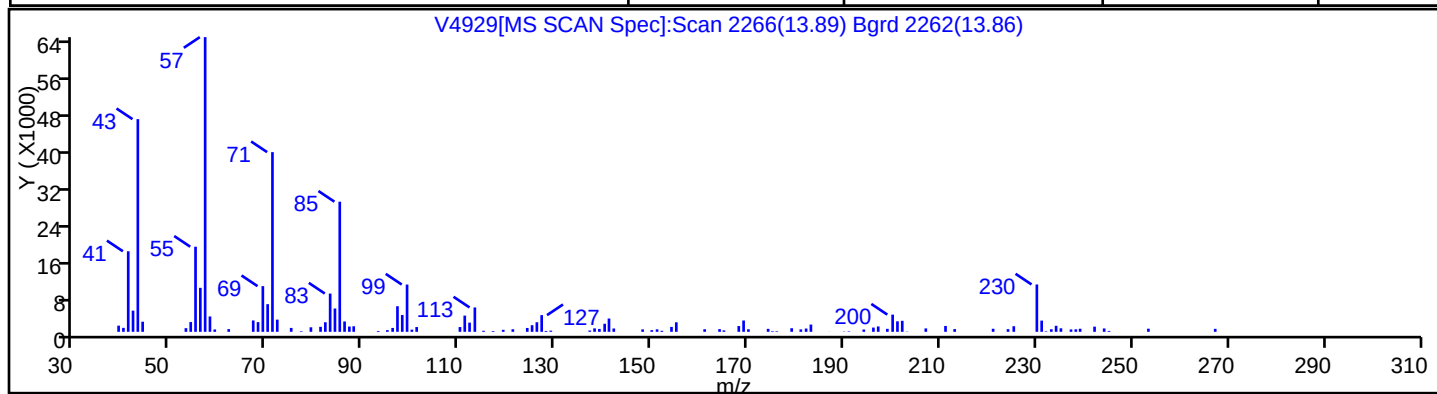
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Pentatriacontane	630-7-9	NIST98.L	112346	93



Report Date: 13-Sep-2011 10:08:31

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File:

\\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D

Injection Date: 12-Sep-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 18

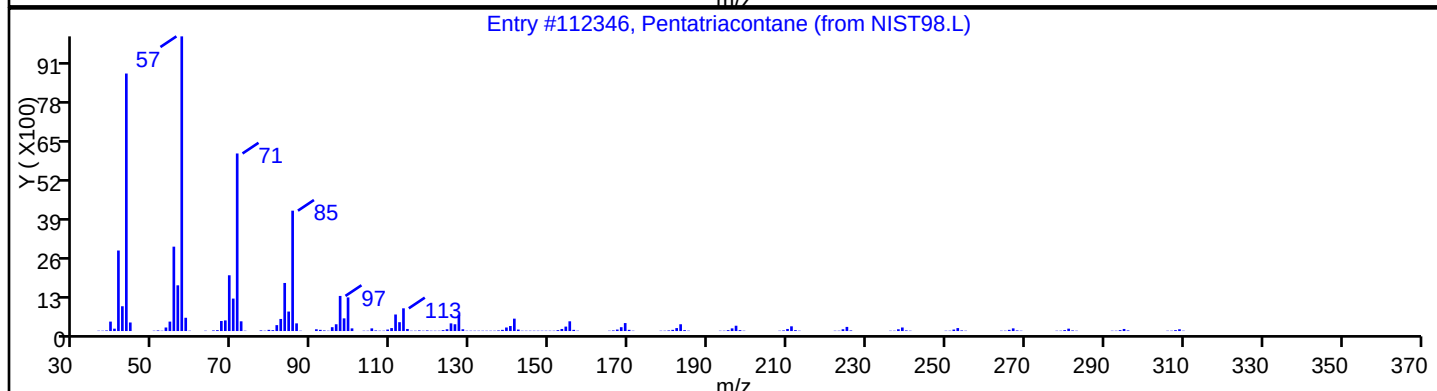
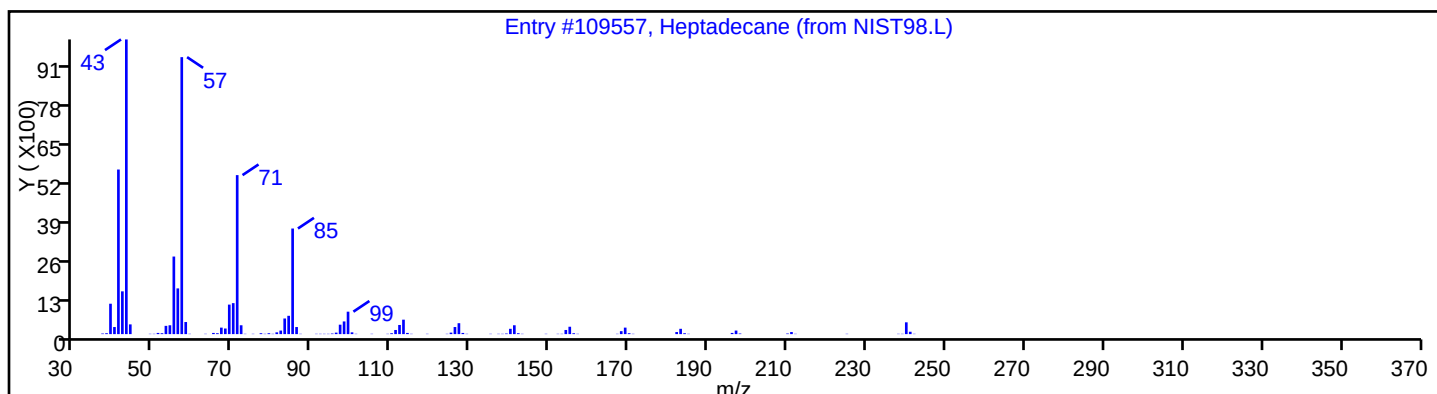
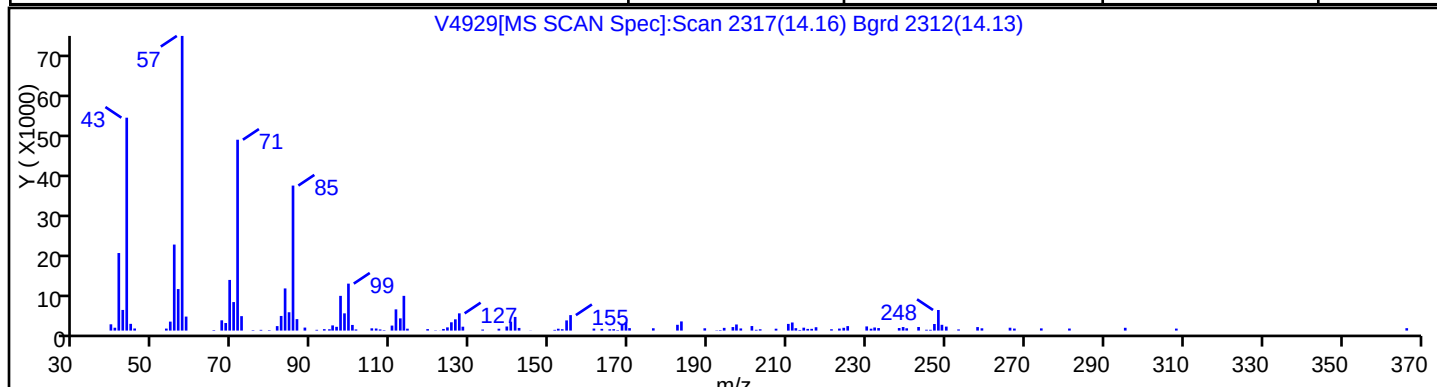
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown alkane		NIST98.L	0	0
Heptadecane	629-78-7	NIST98.L	109557	95
Pentatriacontane	630-7-9	NIST98.L	112346	93



Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D

Injection Date: 12-Sep-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 18

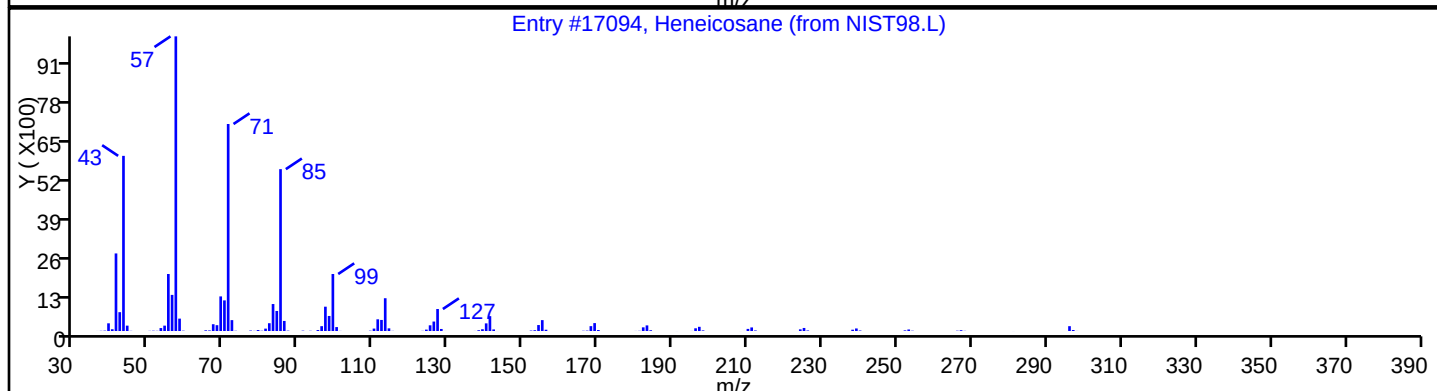
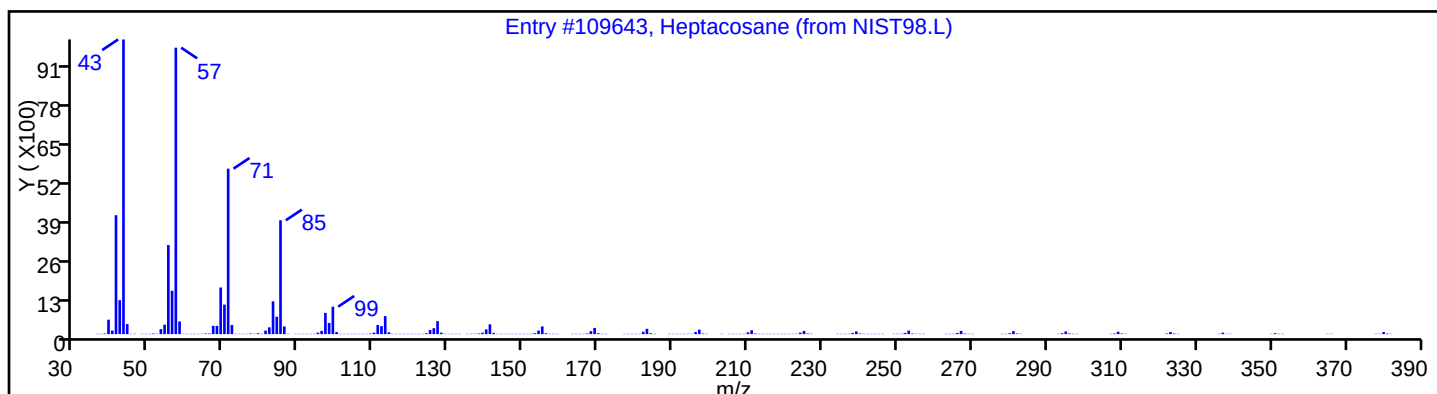
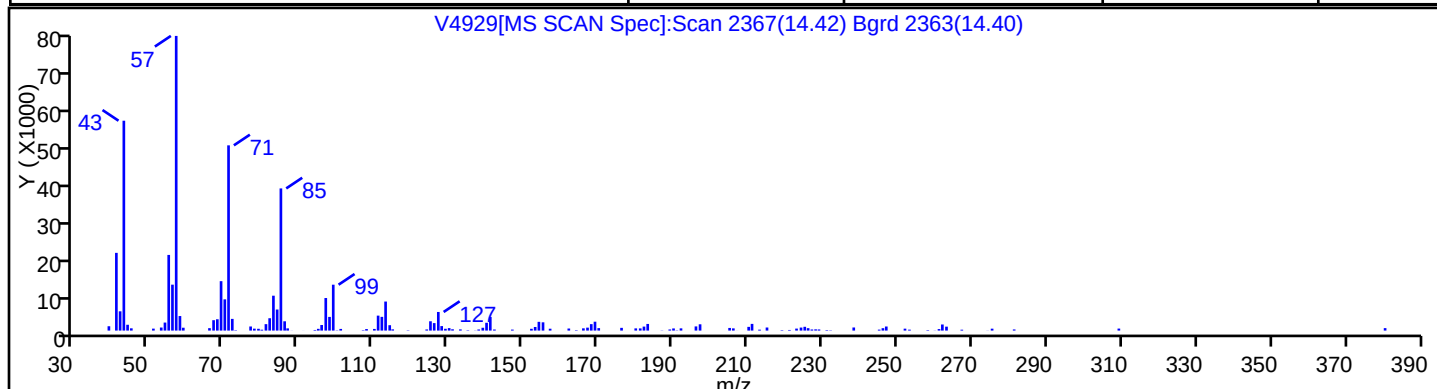
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown alkane		NIST98.L	0	0
Heptacosane	593-49-7	NIST98.L	109643	95
Heneicosane	629-94-7	NIST98.L	17094	90



Report Date: 13-Sep-2011 10:08:31

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D

Injection Date: 12-Sep-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 18

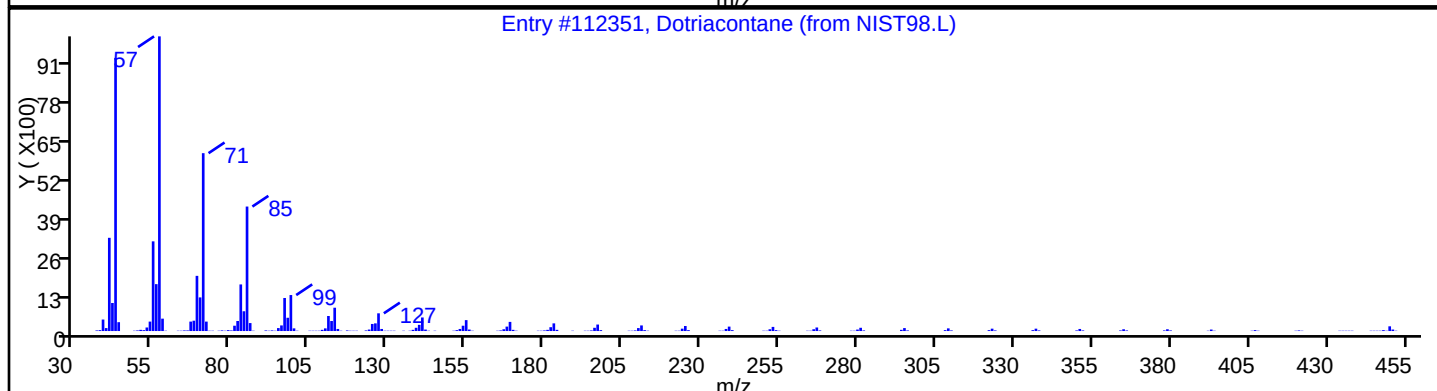
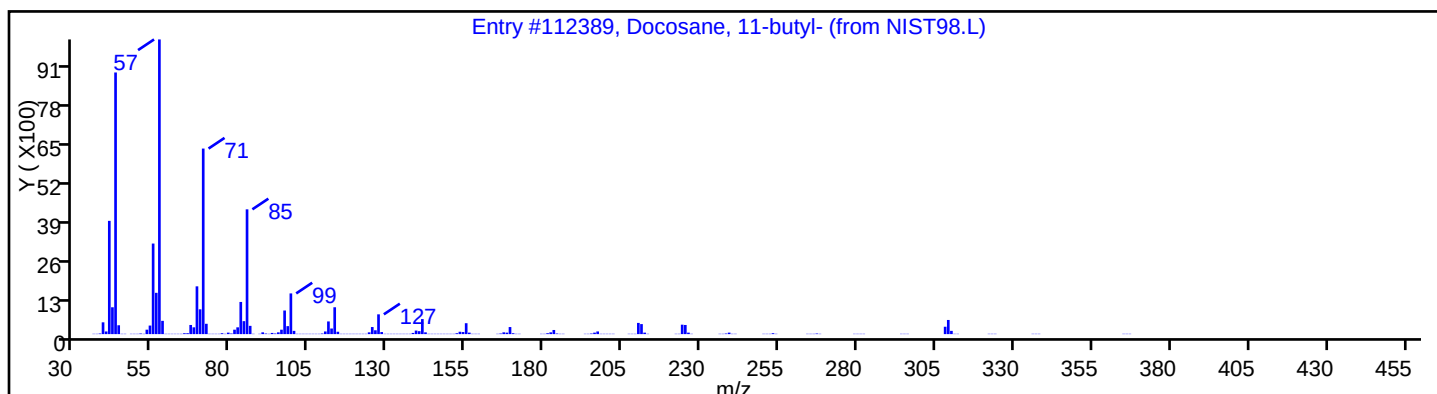
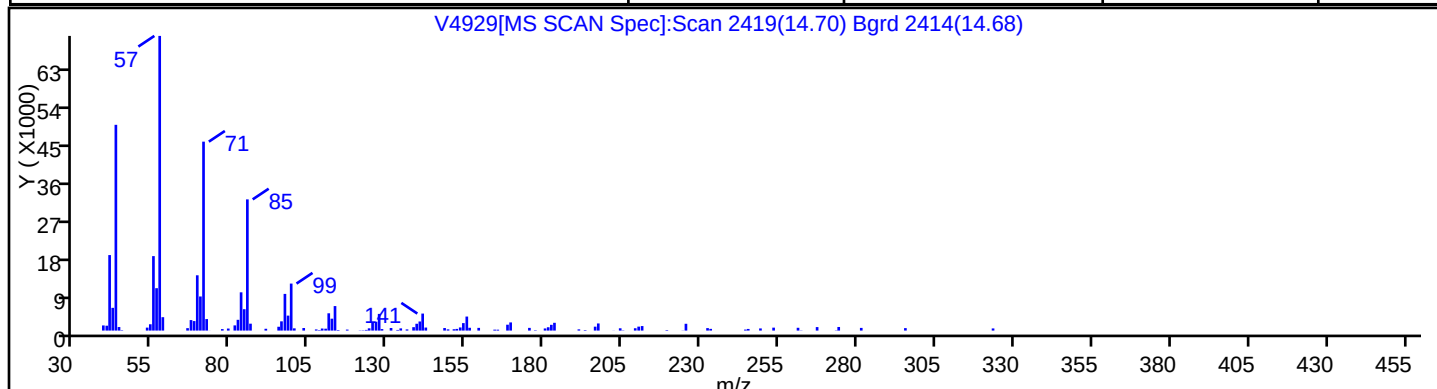
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown alkane		NIST98.L	0	0
Docosane, 11-butyl-	13475-76-8	NIST98.L	112389	91
Dotriacontane	544-85-4	NIST98.L	112351	91



Report Date: 13-Sep-2011 10:08:31

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D

Injection Date: 12-Sep-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 18

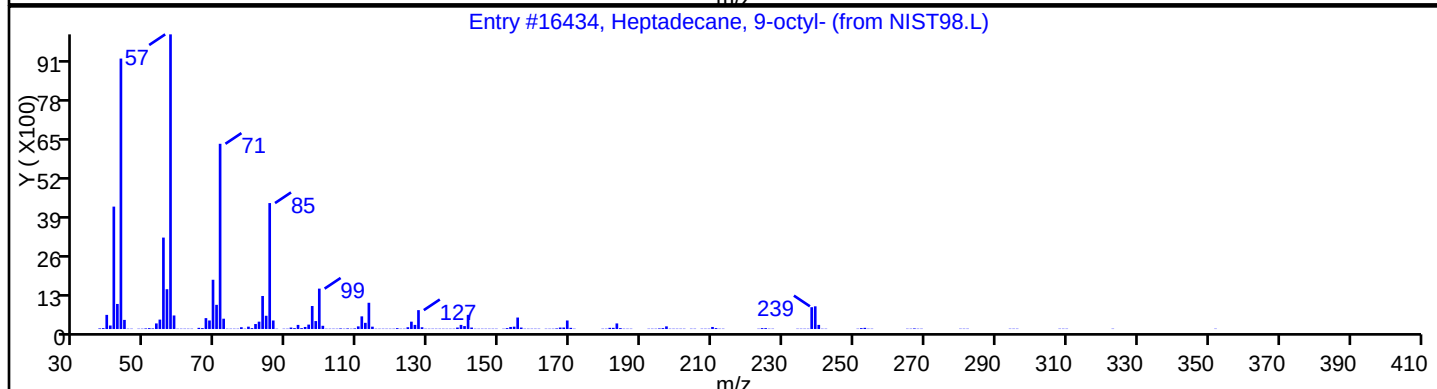
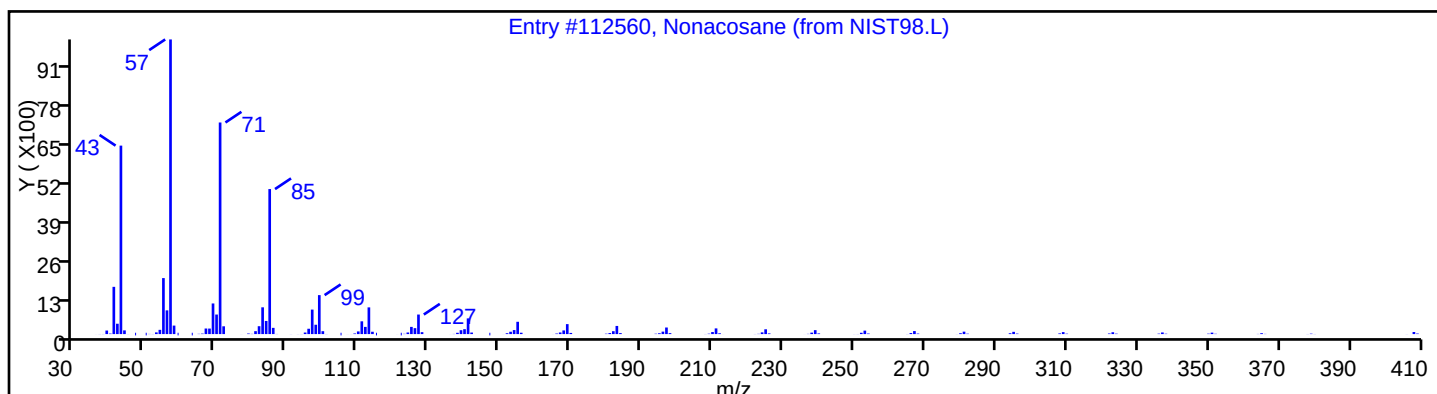
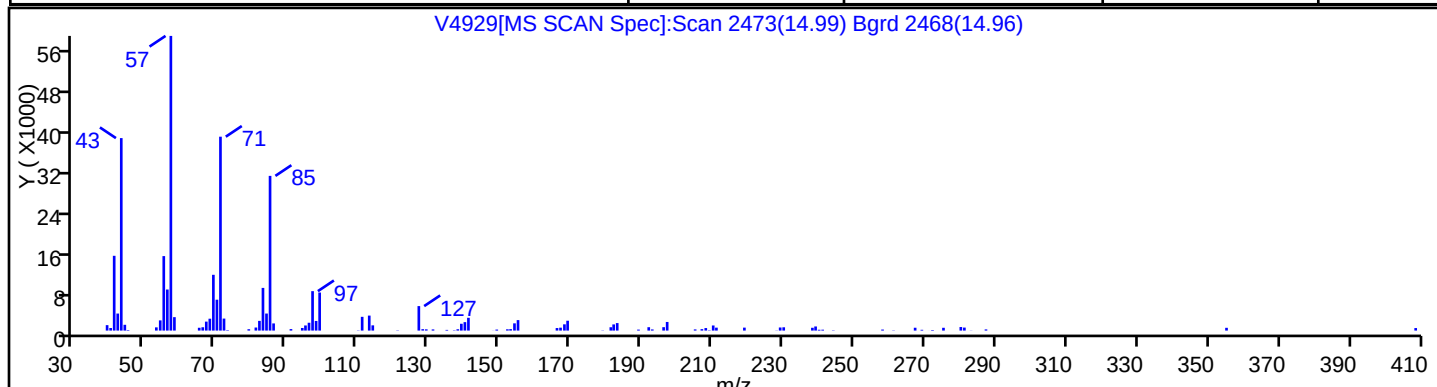
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown alkane		NIST98.L	0	0
Nonacosane	630-3-5	NIST98.L	112560	93
Heptadecane, 9-octyl-	7225-64-1	NIST98.L	16434	87



Report Date: 13-Sep-2011 10:08:31

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D

Injection Date: 12-Sep-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 18

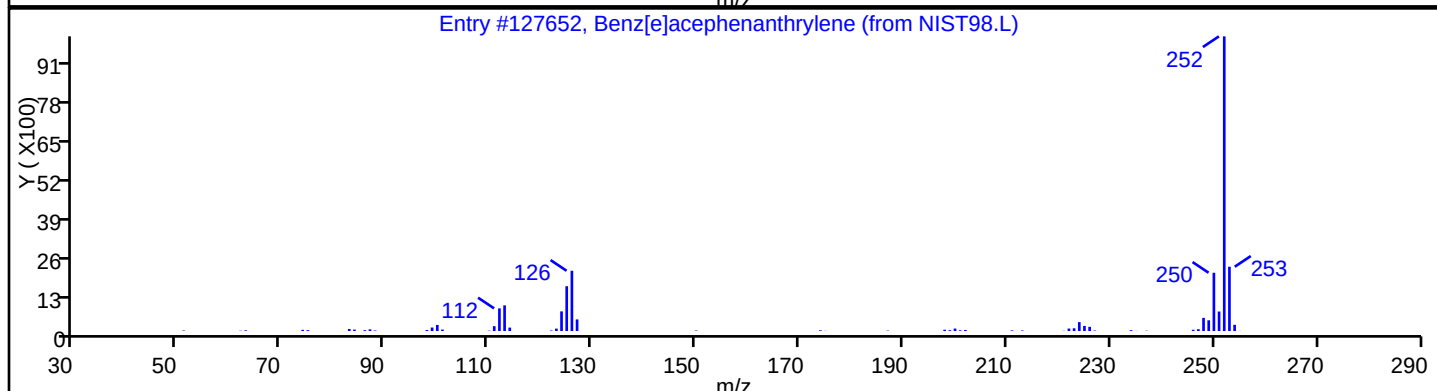
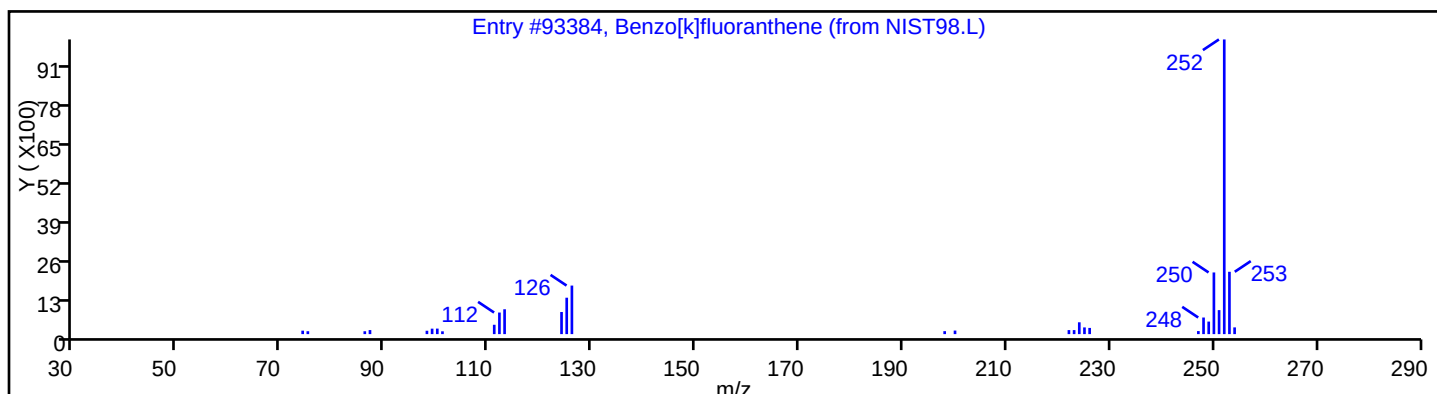
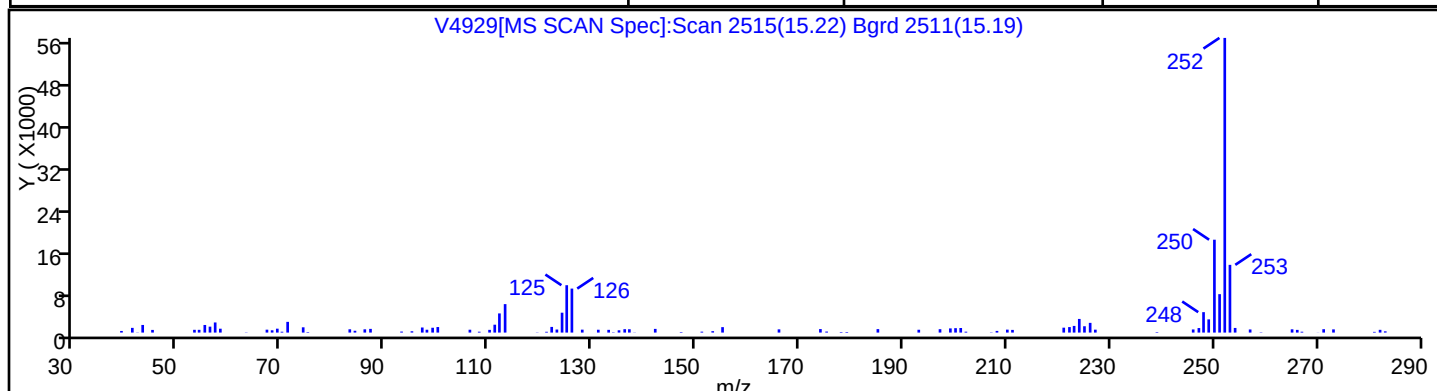
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Benzo[k]fluoranthene	207-8-9	NIST98.L	93384	96
Benz[e]acephenanthrylene	205-99-2	NIST98.L	127652	96



Report Date: 13-Sep-2011 10:08:31

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D

Injection Date: 12-Sep-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 18

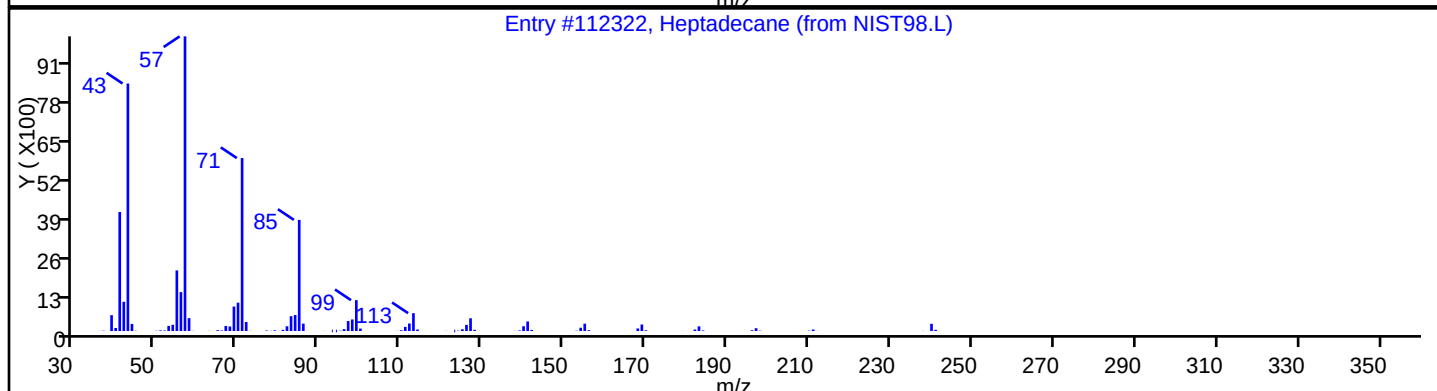
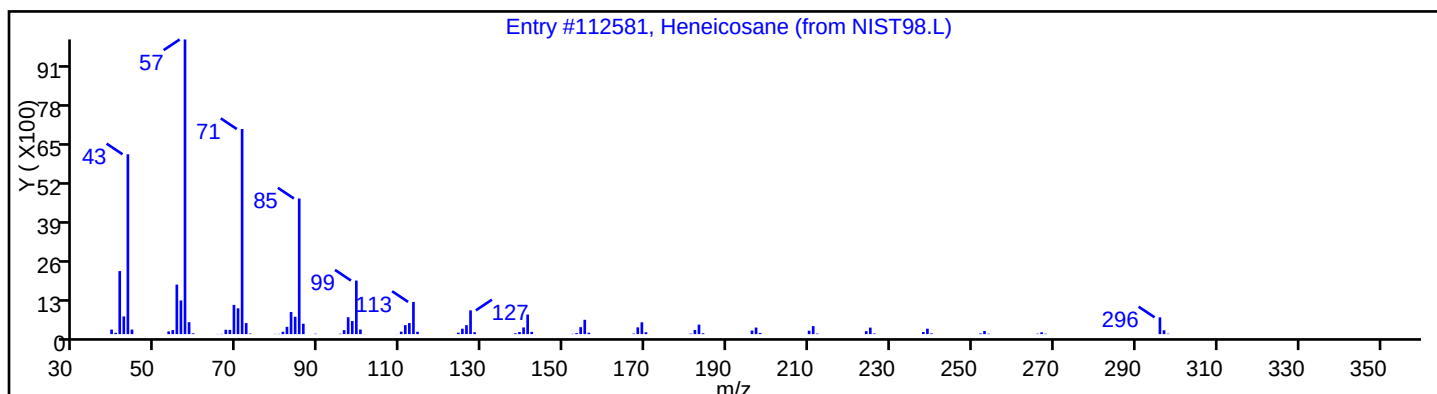
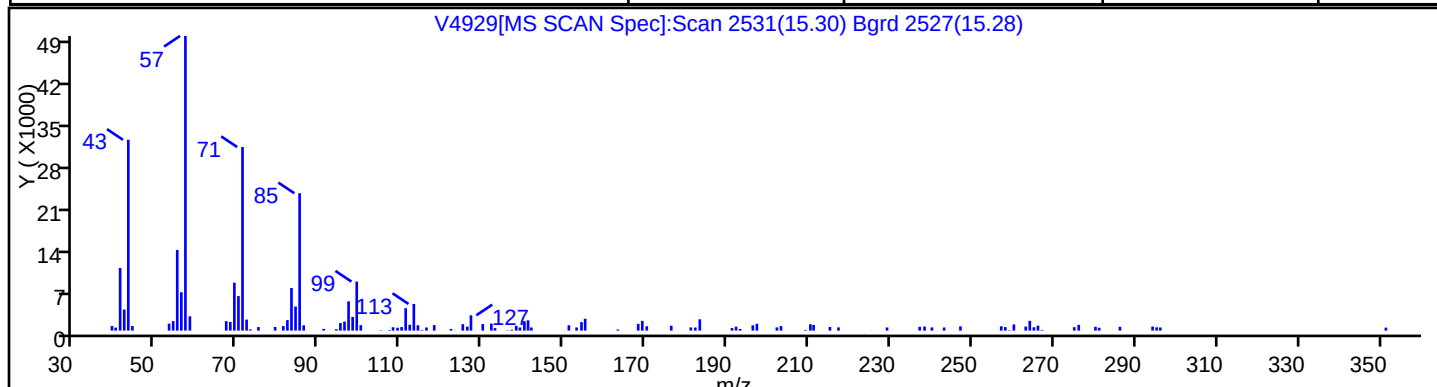
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown alkane		NIST98.L	0	0
Heneicosane	629-94-7	NIST98.L	112581	94
Heptadecane	629-78-7	NIST98.L	112322	93



Report Date: 13-Sep-2011 10:08:31

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4929.D

Injection Date: 12-Sep-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C1 (5-8)

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 18

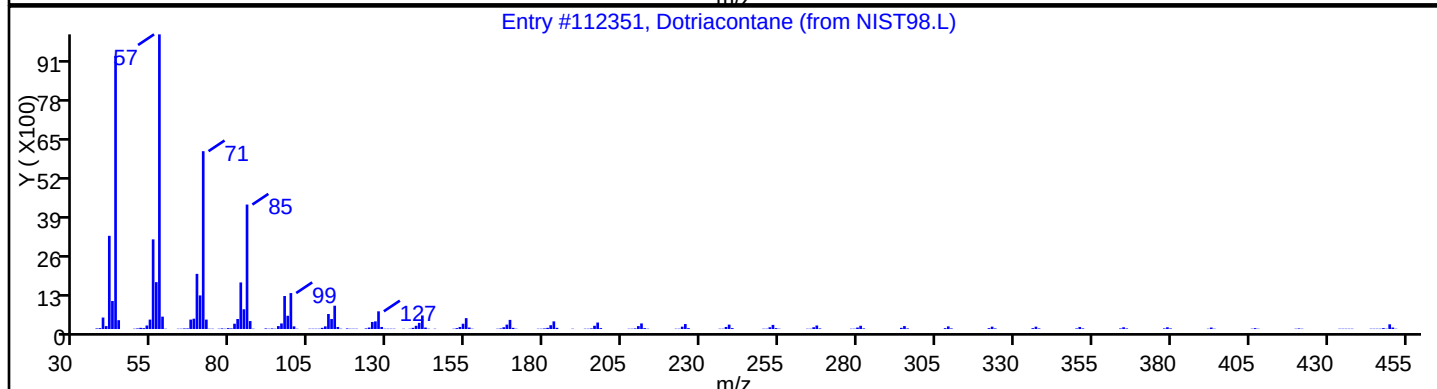
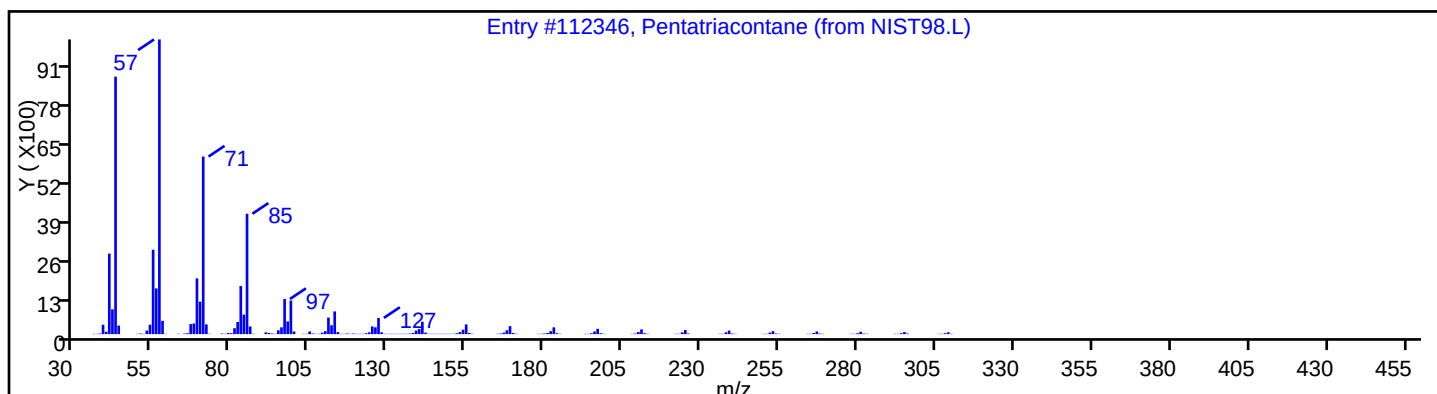
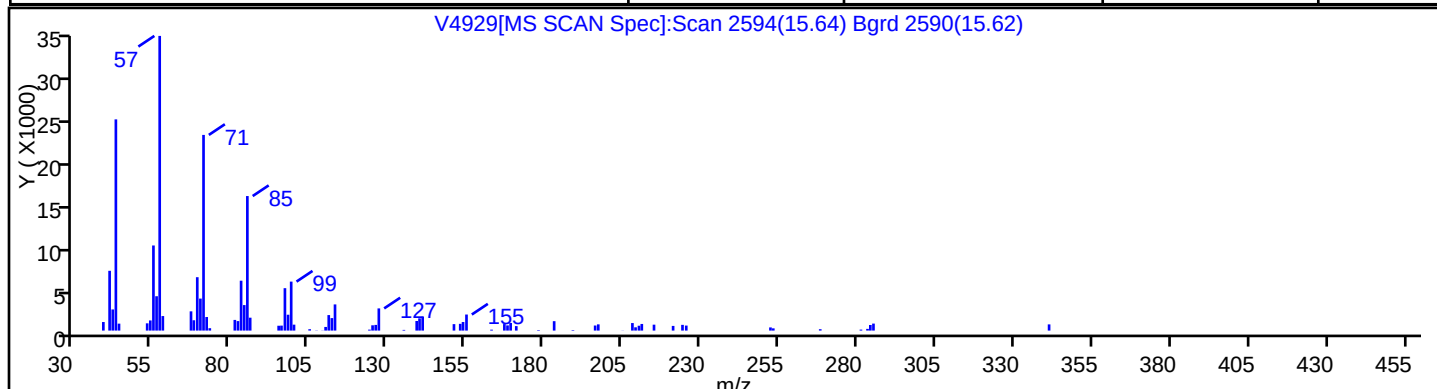
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown alkane		NIST98.L	0	0
Pentatriacontane	630-7-9	NIST98.L	112346	93
Dotriacontane	544-85-4	NIST98.L	112351	90



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>DUP-01</u>	Lab Sample ID: <u>480-9503-5</u>
Matrix: <u>Solid</u>	Lab File ID: <u>V4930.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/06/2011 10:00</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/09/2011 09:45</u>
Sample wt/vol: <u>+30.42(g)</u>	Date Analyzed: <u>09/12/2011 13:54</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>15.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>30771</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		200	43
88-06-2	2,4,6-Trichlorophenol	ND		200	13
120-83-2	2,4-Dichlorophenol	ND		200	10
105-67-9	2,4-Dimethylphenol	ND		200	53
51-28-5	2,4-Dinitrophenol	ND		380	69
121-14-2	2,4-Dinitrotoluene	ND		200	30
606-20-2	2,6-Dinitrotoluene	ND		200	48
91-58-7	2-Chloronaphthalene	ND		200	13
95-57-8	2-Chlorophenol	ND		200	10
91-57-6	2-Methylnaphthalene	29	J	200	2.4
95-48-7	2-Methylphenol	ND		200	6.0
88-74-4	2-Nitroaniline	ND		380	63
88-75-5	2-Nitrophenol	ND		200	9.0
91-94-1	3,3'-Dichlorobenzidine	ND		200	170
99-09-2	3-Nitroaniline	ND		380	45
534-52-1	4,6-Dinitro-2-methylphenol	ND		380	68
101-55-3	4-Bromophenyl phenyl ether	ND		200	62
59-50-7	4-Chloro-3-methylphenol	ND		200	8.1
106-47-8	4-Chloroaniline	ND		200	58
7005-72-3	4-Chlorophenyl phenyl ether	ND		200	4.2
106-44-5	4-Methylphenol	ND		380	11
100-01-6	4-Nitroaniline	ND		380	22
100-02-7	4-Nitrophenol	ND		380	48
83-32-9	Acenaphthene	54	J	200	2.3
208-96-8	Acenaphthylene	53	J	200	1.6
98-86-2	Acetophenone	ND		200	10
120-12-7	Anthracene	120	J	200	5.0
1912-24-9	Atrazine	ND		200	8.7
100-52-7	Benzaldehyde	ND		200	22
56-55-3	Benzo(a)anthracene	340		200	3.4
50-32-8	Benzo(a)pyrene	390		200	4.7
205-99-2	Benzo(b)fluoranthene	420		200	3.8
191-24-2	Benzo(g,h,i)perylene	270		200	2.4
207-08-9	Benzo(k)fluoranthene	230		200	2.2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>DUP-01</u>	Lab Sample ID: <u>480-9503-5</u>
Matrix: <u>Solid</u>	Lab File ID: <u>V4930.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/06/2011 10:00</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/09/2011 09:45</u>
Sample wt/vol: <u>+30.42(g)</u>	Date Analyzed: <u>09/12/2011 13:54</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>15.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>30771</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		200	12
108-60-1	bis (2-chloroisopropyl) ether	ND		200	21
111-91-1	Bis(2-chloroethoxy)methane	ND		200	11
111-44-4	Bis(2-chloroethyl)ether	ND		200	17
117-81-7	Bis(2-ethylhexyl) phthalate	ND		200	63
85-68-7	Butyl benzyl phthalate	ND		200	53
105-60-2	Caprolactam	ND		200	85
86-74-8	Carbazole	32	J	200	2.3
218-01-9	Chrysene	370		200	2.0
53-70-3	Dibenz (a,h) anthracene	67	J	200	2.3
132-64-9	Dibenzofuran	45	J	200	2.0
84-66-2	Diethyl phthalate	ND		200	5.9
131-11-3	Dimethyl phthalate	ND		200	5.1
84-74-2	Di-n-butyl phthalate	ND		200	68
117-84-0	Di-n-octyl phthalate	ND		200	4.6
206-44-0	Fluoranthene	690		200	2.8
86-73-7	Fluorene	61	J	200	4.5
118-74-1	Hexachlorobenzene	ND		200	9.8
87-68-3	Hexachlorobutadiene	ND		200	10
77-47-4	Hexachlorocyclopentadiene	ND		200	59
67-72-1	Hexachloroethane	ND		200	15
193-39-5	Indeno (1,2,3-cd)pyrene	230		200	5.4
78-59-1	Isophorone	ND		200	9.8
91-20-3	Naphthalene	34	J	200	3.3
98-95-3	Nitrobenzene	ND		200	8.7
621-64-7	N-Nitrosodi-n-propylamine	ND		200	16
86-30-6	N-Nitrosodiphenylamine	ND		200	11
87-86-5	Pentachlorophenol	ND		380	67
85-01-8	Phenanthrene	520		200	4.1
108-95-2	Phenol	ND		200	21
129-00-0	Pyrene	560		200	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: DUP-01 Lab Sample ID: 480-9503-5
Matrix: Solid Lab File ID: V4930.D
Analysis Method: 8270C Date Collected: 09/06/2011 10:00
Extract. Method: 3550B Date Extracted: 09/09/2011 09:45
Sample wt/vol: +30.42(g) Date Analyzed: 09/12/2011 13:54
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 15.2 GPC Cleanup: (Y/N) N
Analysis Batch No.: 30771 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	78		39-146
321-60-8	2-Fluorobiphenyl	89		37-120
367-12-4	2-Fluorophenol	66		18-120
4165-60-0	Nitrobenzene-d5	73		34-132
4165-62-2	Phenol-d5	81		11-120
1718-51-0	p-Terphenyl-d14	94		58-147

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: DUP-01 Lab Sample ID: 480-9503-5
Matrix: Solid Lab File ID: V4930.D
Analysis Method: 8270C Date Collected: 09/06/2011 10:00
Extract. Method: 3550B Date Extracted: 09/09/2011 09:45
Sample wt/vol: +30.42(g) Date Analyzed: 09/12/2011 13:54
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 15.2 GPC Cleanup: (Y/N) N
Analysis Batch No.: 30771 Units: ug/Kg
Number TICs Found: 5 TIC Result Total: 1360

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	13.89	230	T J
	Unknown alkane	14.16	210	T J
	Unknown alkane	14.43	260	T J
112-95-8	Eicosane	14.70	370	T J N
	Unknown	15.22	290	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\4930.D
 Lims ID: 480-9503-E-5-A Client ID: DUP-01
 Inject. Date: 12-Sep-2011 13:54:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0005869-019
 Misc. Info.: 480-9503-E-5-A
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 16
 Lims Batch ID: 30771 Lims Sample ID: 19
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\8270.m
 Last Update: 13-Sep-2011 10:10:15 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 13-Sep-2011 10:18:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.856	5.856	0.0	96	104195	40.0	
* 2 Naphthalene-d8	136	7.571	7.571	0.0	99	419669	40.0	
* 3 Acenaphthene-d10	164	9.846	9.847	-0.001	91	241452	40.0	
* 4 Phenanthrene-d10	188	11.545	11.545	0.0	97	399100	40.0	
* 5 Chrysene-d12	240	14.024	14.024	0.0	98	408832	40.0	
* 6 Perylene-d12	264	15.328	15.322	0.006	98	489931	40.0	
\$ 9 2-Fluorophenol	112	4.002	4.002	0.0	93	324759	99.5	
\$ 10 Phenol-d5	99	5.364	5.364	0.0	88	503718	121.9	
\$ 11 Nitrobenzene-d5	82	6.609	6.609	0.0	87	307353	73.2	
\$ 12 2-Fluorobiphenyl	172	8.992	8.992	0.0	100	684141	88.6	
\$ 13 2,4,6-Tribromophenol	330	10.792	10.792	0.0	85	97499	117.3	
\$ 14 p-Terphenyl-d14	244	13.089	13.089	0.0	97	833647	94.4	
88 Benzaldehyde	77		5.231					
89 Phenol	94		5.386					
91 Bis(2-chloroethyl)ether	93		5.487					
93 2-Chlorophenol	128		5.567					
98 2-Methylphenol	108		6.225					
99 2,2'-oxybis[1-chloropropane]	45		6.251					
104 Acetophenone	105		6.406					
101 N-Nitrosodi-n-propylamine	70		6.422					
102 4-Methylphenol	108		6.438					
106 Hexachloroethane	117		6.550					
107 Nitrobenzene	77		6.636					
110 Isophorone	82		6.962					
111 2-Nitrophenol	139		7.069					
112 2,4-Dimethylphenol	107		7.154					
115 Bis(2-chloroethoxy)methane	93		7.266					
117 2,4-Dichlorophenol	162		7.400					
121 Naphthalene	128	7.597	7.597	0.0	5	9065	0.8783	
123 4-Chloroaniline	127		7.678					
126 Hexachlorobutadiene	225		7.795					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113		8.089					
131 4-Chloro-3-methylphenol	107		8.340					
133 2-Methylnaphthalene	142	8.506	8.511	-0.005	14	5232	0.7370	
136 Hexachlorocyclopentadiene	237		8.735					
139 2,4,6-Trichlorophenol	196		8.885					
140 2,4,5-Trichlorophenol	196		8.933					
144 1,1'-Biphenyl	154	9.115	9.115	0.0	1	2177	0.2434	
143 2-Chloronaphthalene	162		9.136					
145 2-Nitroaniline	65		9.270					
147 Dimethyl phthalate	163		9.521					
148 2,6-Dinitrotoluene	165		9.585					
149 Acenaphthylene	152	9.665	9.660	0.005	58	14134	1.36	
150 3-Nitroaniline	138		9.798					
151 Acenaphthene	153	9.884	9.889	-0.005	62	9029	1.38	
152 2,4-Dinitrophenol	184		9.927					
153 4-Nitrophenol	109		10.034					
154 2,4-Dinitrotoluene	165		10.092					
155 Dibenzofuran	168	10.103	10.103	0.0	46	10968	1.15	
160 Diethyl phthalate	149		10.397					
161 Fluorene	166	10.514	10.514	0.0	53	12333	1.58	
162 4-Chlorophenyl phenyl ether	204		10.520					
164 4-Nitroaniline	138		10.541					
166 4,6-Dinitro-2-methylphenol	198		10.584					
167 N-Nitrosodiphenylamine	169		10.659					
176 4-Bromophenyl phenyl ether	248		11.075					
177 Hexachlorobenzene	284		11.155					
180 Atrazine	200		11.262					
181 Pentachlorophenol	266		11.364					
185 Phenanthrene	178	11.572	11.572	0.0	91	144606	13.5	
188 Anthracene	178	11.625	11.626	-0.001	84	34556	3.21	
189 Carbazole	167	11.791	11.796	-0.005	21	8192	0.8166	
192 Di-n-butyl phthalate	149	12.144	12.149	-0.005	31	5594	0.4643	
197 Fluoranthene	202	12.742	12.747	-0.005	97	204602	17.8	
199 Pyrene	202	12.950	12.956	-0.006	97	185060	14.4	
205 Butyl benzyl phthalate	149		13.517					
208 3,3'-Dichlorobenzidine	252		13.987					
210 Bis(2-ethylhexyl) phthalate	149	14.003	14.008	-0.005	89	11247	1.30	
209 Benzo[a]anthracene	228	14.013	14.019	-0.006	99	104226	8.74	
211 Chrysene	228	14.045	14.051	-0.006	72	109931	9.51	
212 Di-n-octyl phthalate	149		14.542					
213 Benzo[b]fluoranthene	252	14.959	14.959	0.0	95	154007	10.8	M
214 Benzo[k]fluoranthene	252	14.970	14.986	-0.016	98	89035	5.97	M
217 Benzo[a]pyrene	252	15.269	15.274	-0.005	69	121108	10.1	
219 Indeno[1,2,3-cd]pyrene	276	16.471	16.476	-0.005	96	85443	5.89	
220 Dibenz(a,h)anthracene	278	16.471	16.482	-0.011	14	21165	1.74	
221 Benzo[g,h,i]perylene	276	16.802	16.808	-0.006	89	80622	6.98	

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D
Lims ID: 480-9503-E-5-A Client ID: DUP-01
Inject. Date: 12-Sep-2011 13:54:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-0005869-019
Misc. Info.: 480-9503-E-5-A
Operator: MKP Instrument ID: HP5973V
Vol. Injected: 1.0000 ALS Bottle#: 16
Lims Batch ID: 30771 Lims Sample ID: 19
Detector: MS SCAN
Method: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V-8270.m
Last Update: 13-Sep-2011 10:10:15 Calib Date: 08-Sep-2011 10:41:30
Tic RT Window: 1.500 -0.000 Response: area
Quant By: Nearest ISTD Quant LOD: 10.00000
MS Library: \\Bufchrom\ChromData\Database\NIST98.L
Min. Match: 85
Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 13-Sep-2011 10:18:00

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
Unknown						
13.885	241199	5.96	5			
Unknown alkane						
14.158	221666	5.48	5	0	0	
Unknown alkane						
14.425	266077	6.58	5	0	0	
112-95-8 Eicosane						
14.703	381988	9.48	6	95	109630	
Unknown						
15.221	302204	7.50	6	0	0	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 5 Chrysene-d12	14.024	1618585	40.0
* 6 Perylene-d12	15.328	1612313	40.0

QC Flag Legend

Processing Flags

Report Date: 13-Sep-2011 10:18:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File:

\\Bufchrom\ChromData\HP5973V\20110912-5869.b\4930.D

Injection Date: 12-Sep-2011 13:54:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-01

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 19

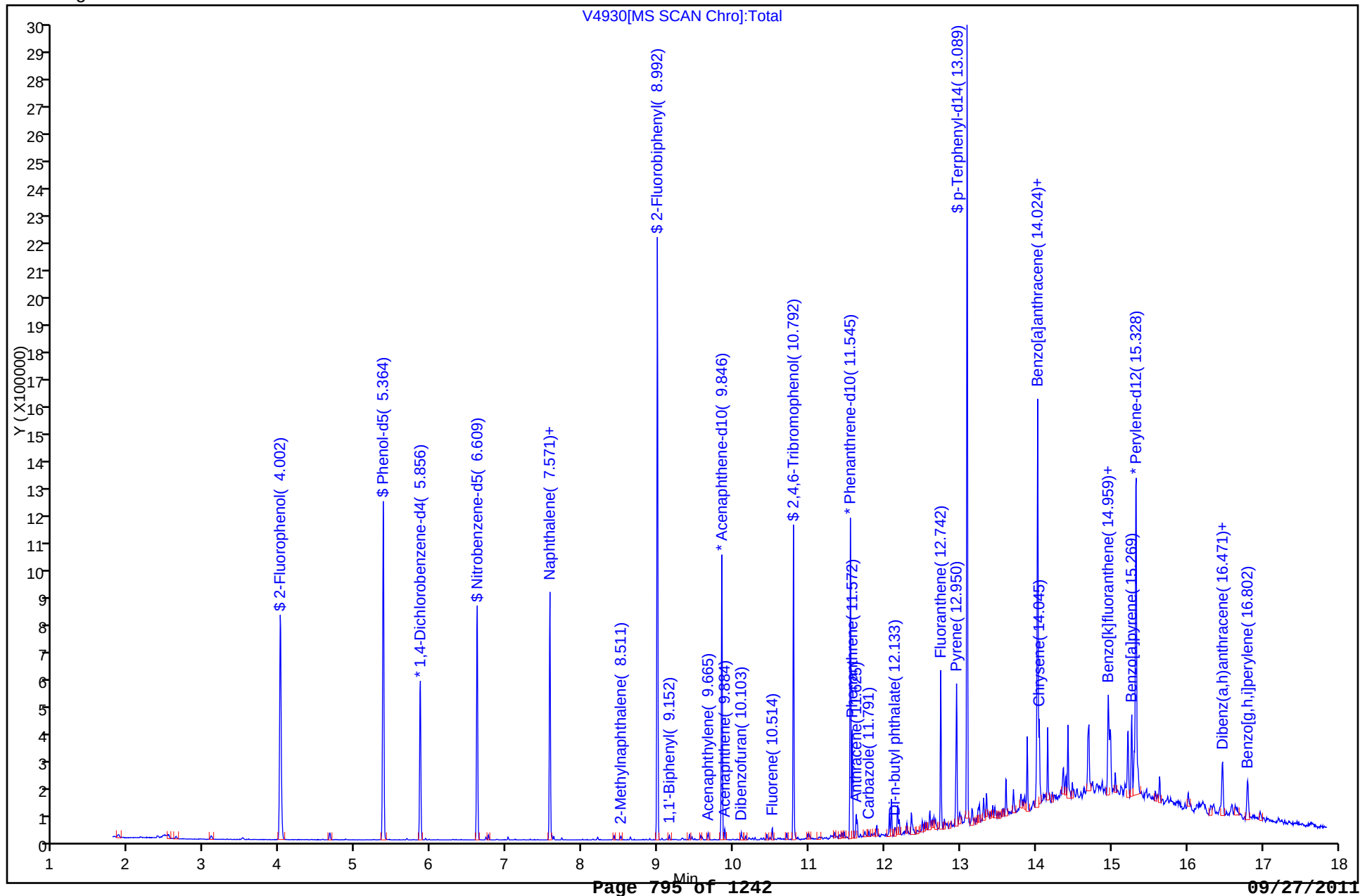
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

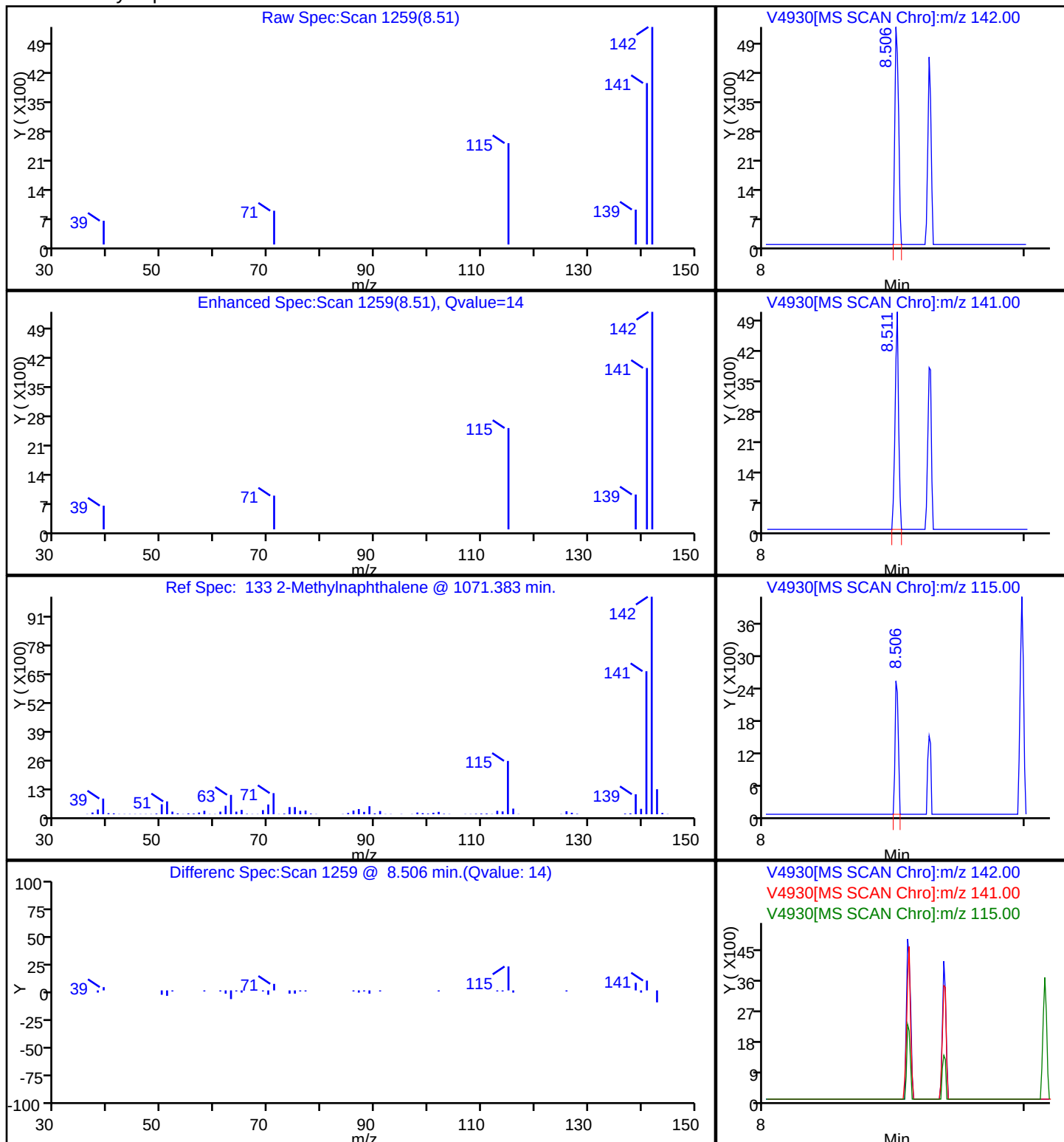
Column Dia: 0.25 mm

Y Scaling:



Report Date: 13-Sep-2011 10:18:01
 Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D
 Injection Date: 12-Sep-2011 13:54:30
 Client ID: DUP-01
 Lims Batch ID: 30771
 Operator ID: MKP
 Column Type: RXI-5Sil MS
 133 2-Methylnaphthalene

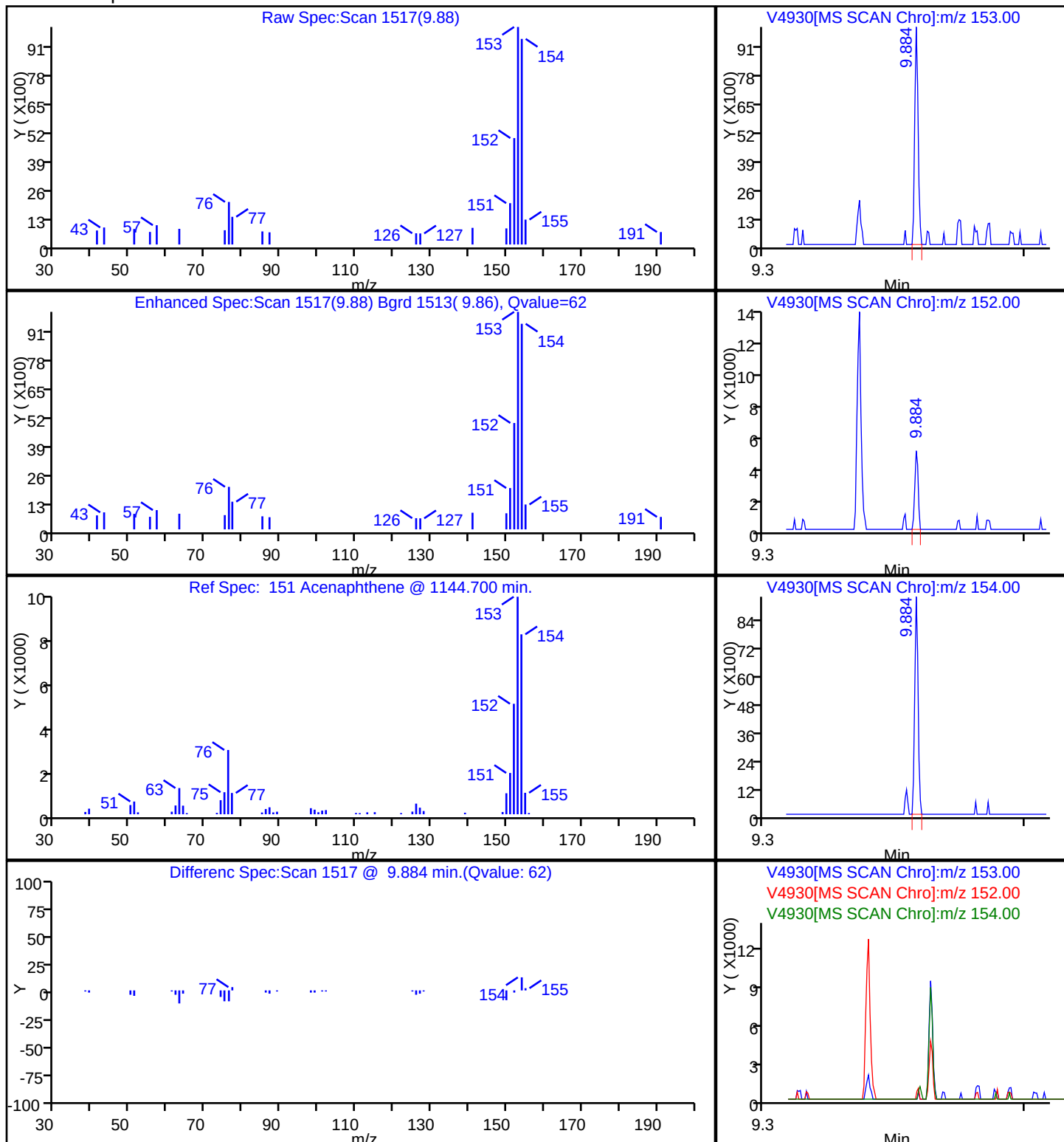
Chrom Revision: 2.0 01-Sep-2011 14:10:00
 Limit Group: MB - 8270C ICAL
 Instrument ID: HP5973V
 Lims Sample ID: 19
 Injection Vol: 1.00 ul
 Column Dia: 0.25 mm



Report Date: 13-Sep-2011 10:18:01
 Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D
 Injection Date: 12-Sep-2011 13:54:30
 Client ID: DUP-01
 Lims Batch ID: 30771
 Operator ID: MKP
 Column Type: RXI-5Sil MS

Chrom Revision: 2.0 01-Sep-2011 14:10:00
 Limit Group: MB - 8270C ICAL
 Instrument ID: HP5973V
 Lims Sample ID: 19
 Injection Vol: 1.00 ul
 Column Dia: 0.25 mm

151 Acenaphthene



Report Date: 13-Sep-2011 10:18:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D

Injection Date: 12-Sep-2011 13:54:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-01

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 19

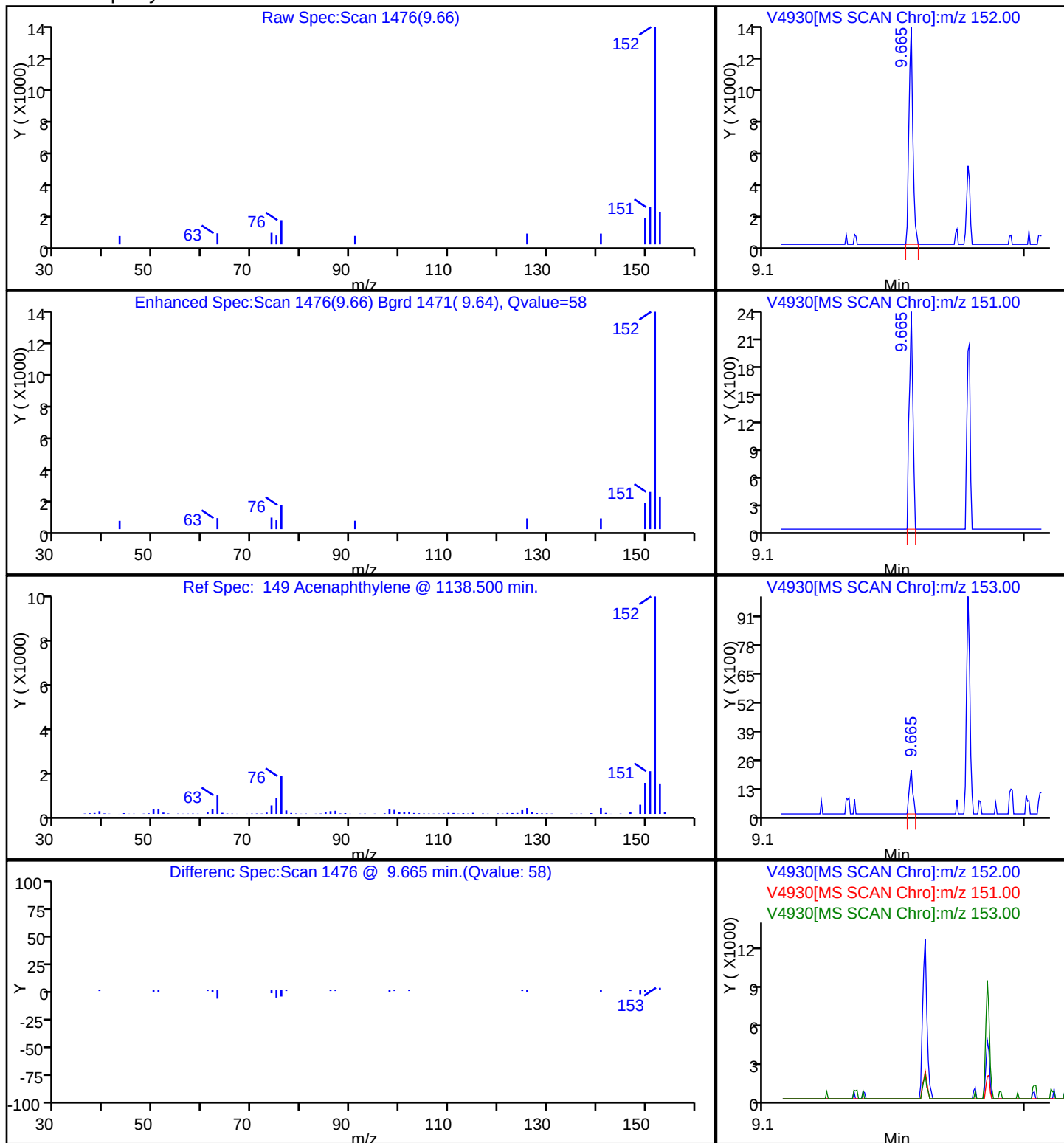
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

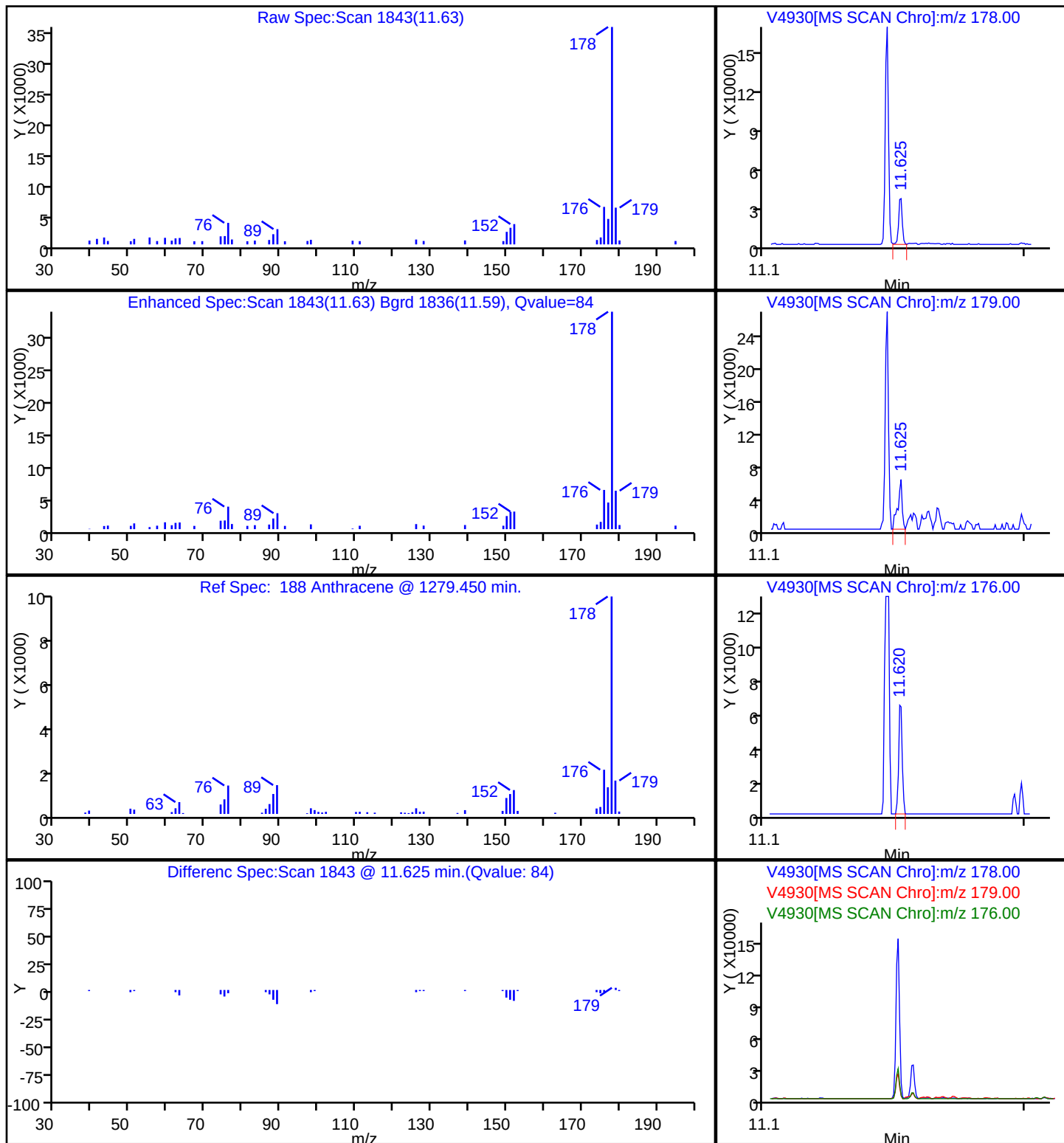
Column Dia: 0.25 mm

149 Acenaphthylene



Report Date: 13-Sep-2011 10:18:01
Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D
Injection Date: 12-Sep-2011 13:54:30
Client ID: DUP-01
Lims Batch ID: 30771
Operator ID: MKP
Column Type: RXI-5Sil MS
188 Anthracene

Chrom Revision: 2.0 01-Sep-2011 14:10:00
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973V
Lims Sample ID: 19
Injection Vol: 1.00 ul
Column Dia: 0.25 mm



Report Date: 13-Sep-2011 10:18:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D

Injection Date: 12-Sep-2011 13:54:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-01

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 19

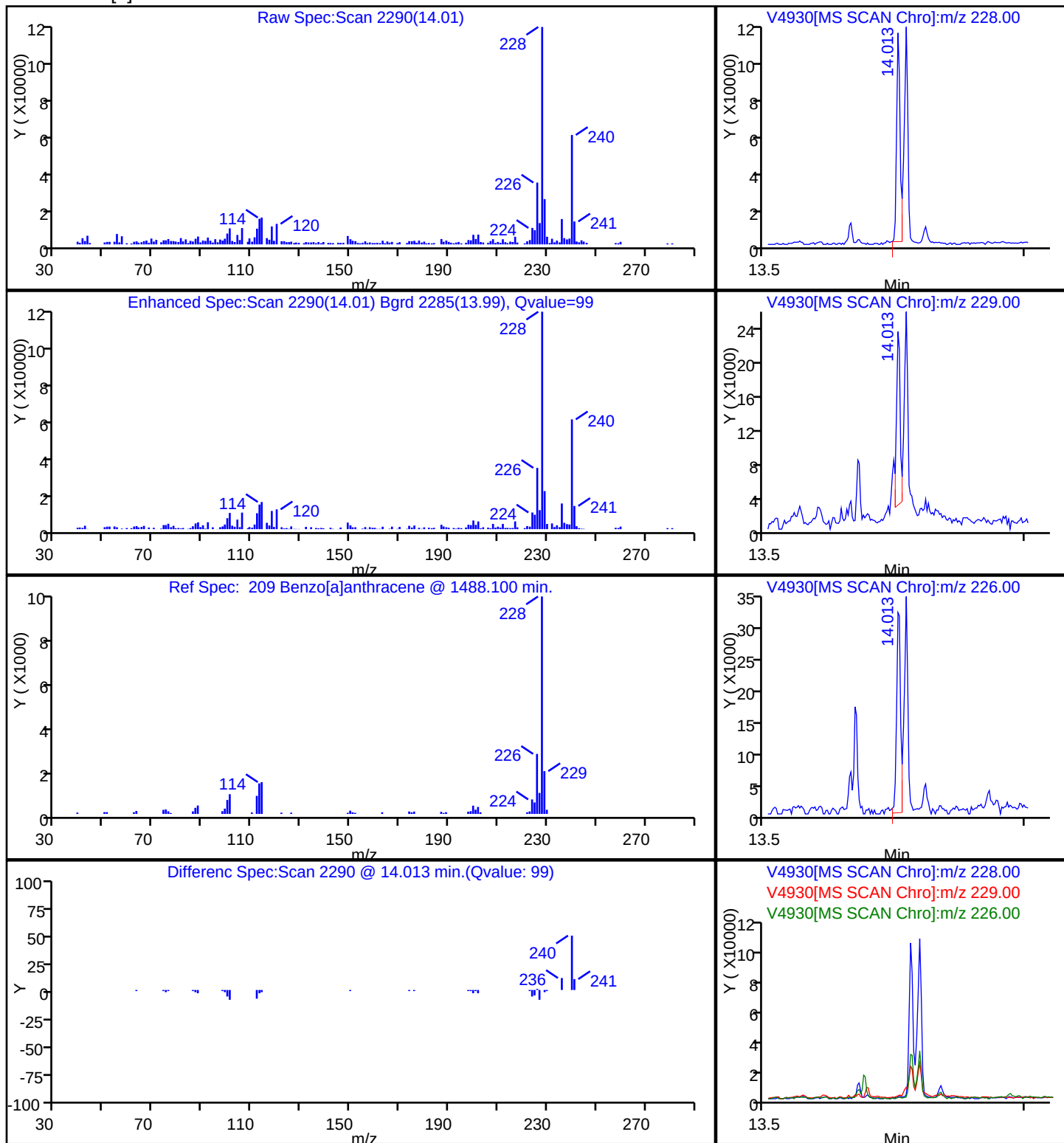
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

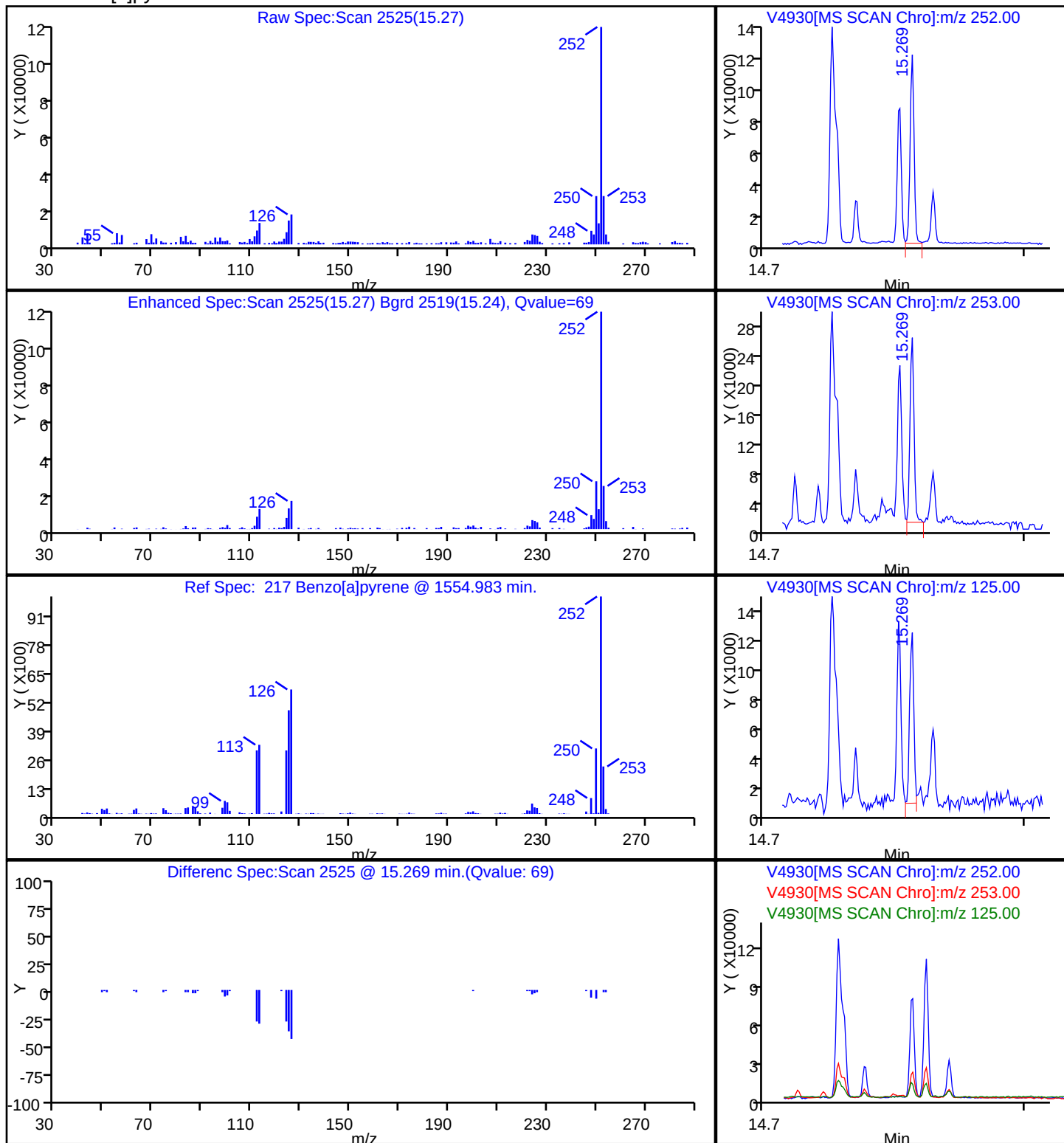
209 Benzo[a]anthracene



Report Date: 13-Sep-2011 10:18:01
Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D
Injection Date: 12-Sep-2011 13:54:30
Client ID: DUP-01
Lims Batch ID: 30771
Operator ID: MKP
Column Type: RXI-5Sil MS

Chrom Revision: 2.0 01-Sep-2011 14:10:00
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973V
Lims Sample ID: 19
Injection Vol: 1.00 ul
Column Dia: 0.25 mm

217 Benzo[a]pyrene



Report Date: 13-Sep-2011 10:18:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D

Injection Date: 12-Sep-2011 13:54:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-01

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 19

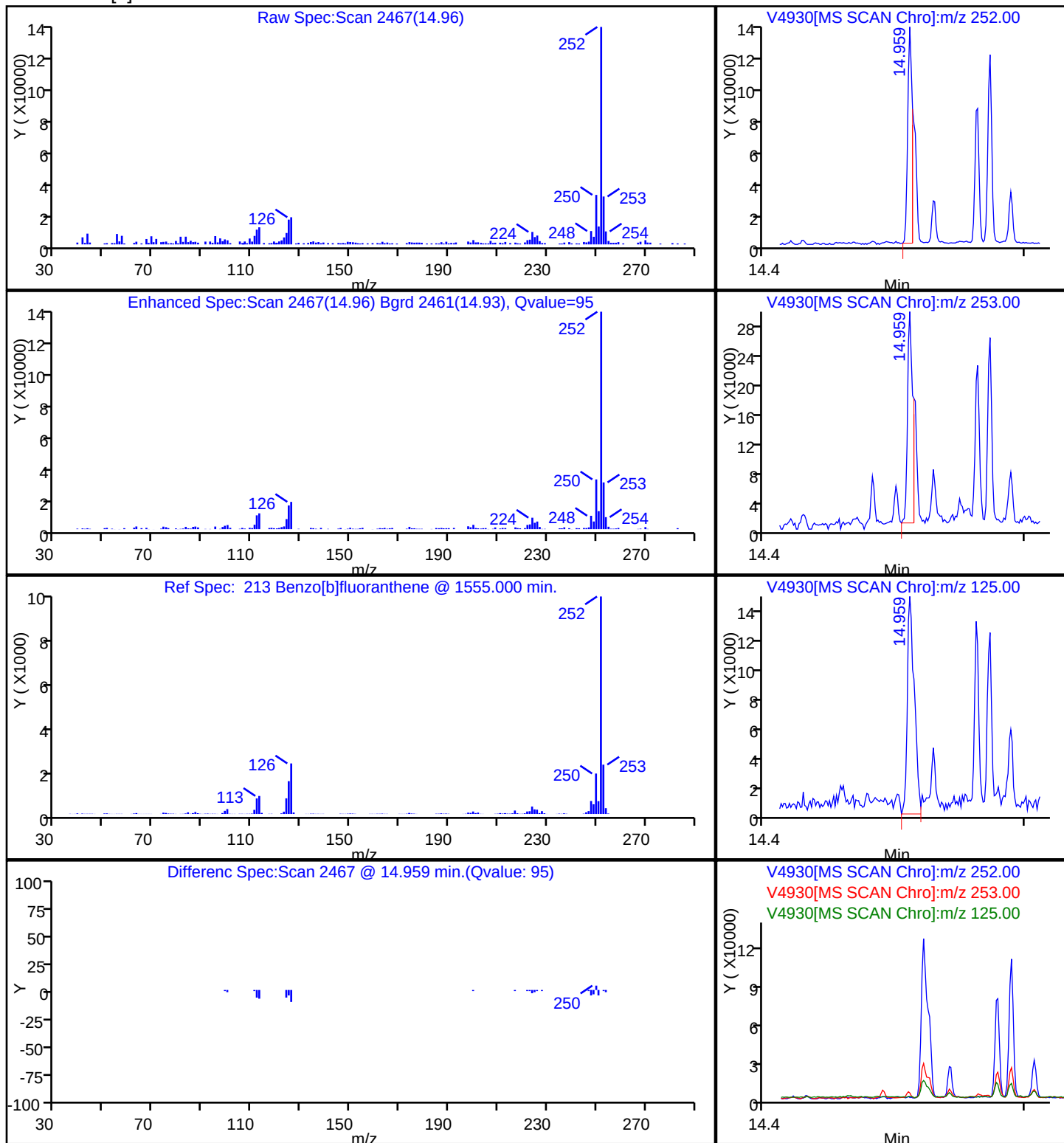
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

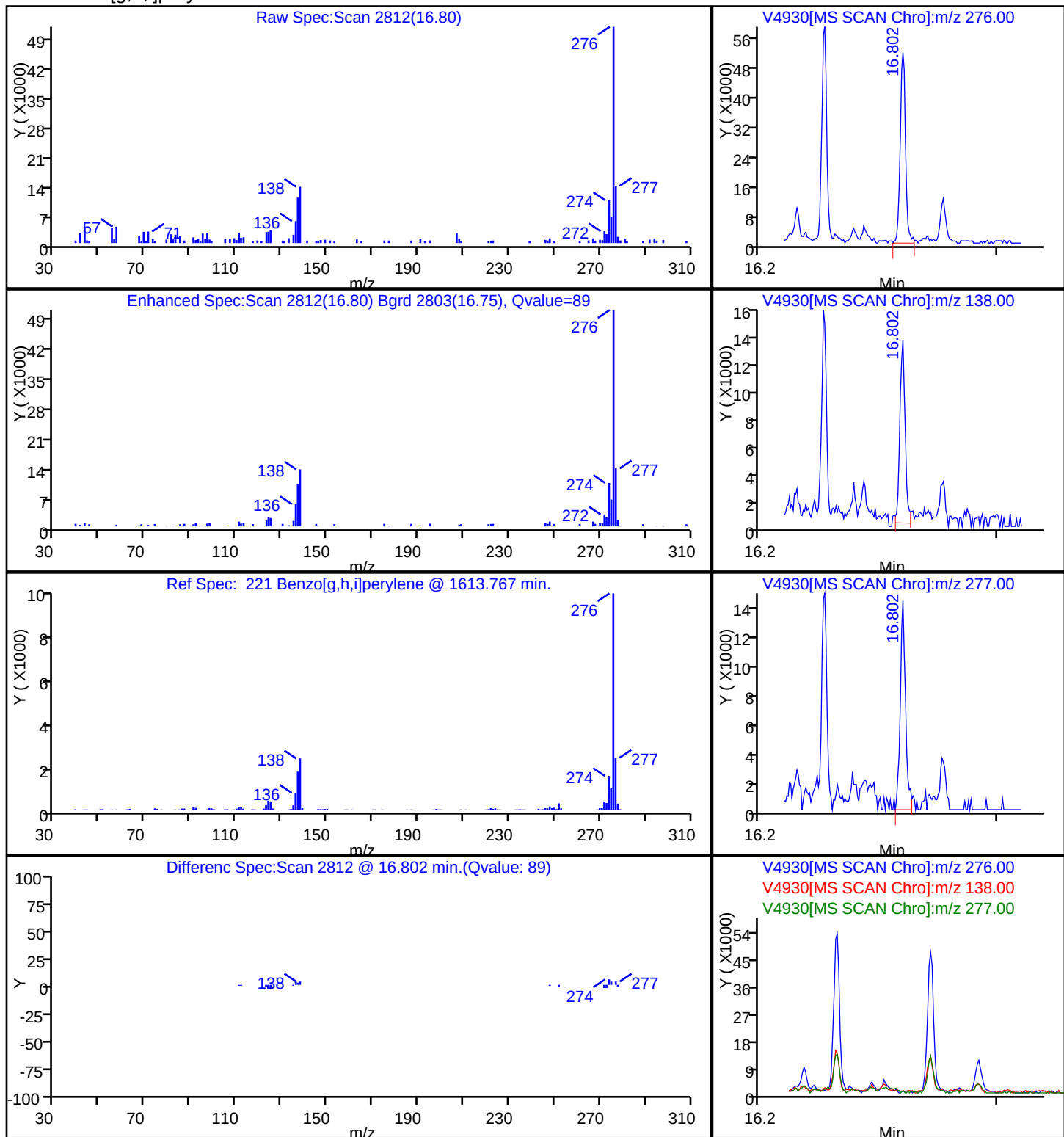
213 Benzo[b]fluoranthene



Report Date: 13-Sep-2011 10:18:01
 Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D
 Injection Date: 12-Sep-2011 13:54:30
 Client ID: DUP-01
 Lims Batch ID: 30771
 Operator ID: MKP
 Column Type: RXI-5Sil MS

Chrom Revision: 2.0 01-Sep-2011 14:10:00
 Limit Group: MB - 8270C ICAL
 Instrument ID: HP5973V
 Lims Sample ID: 19
 Injection Vol: 1.00 ul
 Column Dia: 0.25 mm

221 Benzo[g,h,i]perylene



Report Date: 13-Sep-2011 10:18:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D

Injection Date: 12-Sep-2011 13:54:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-01

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 19

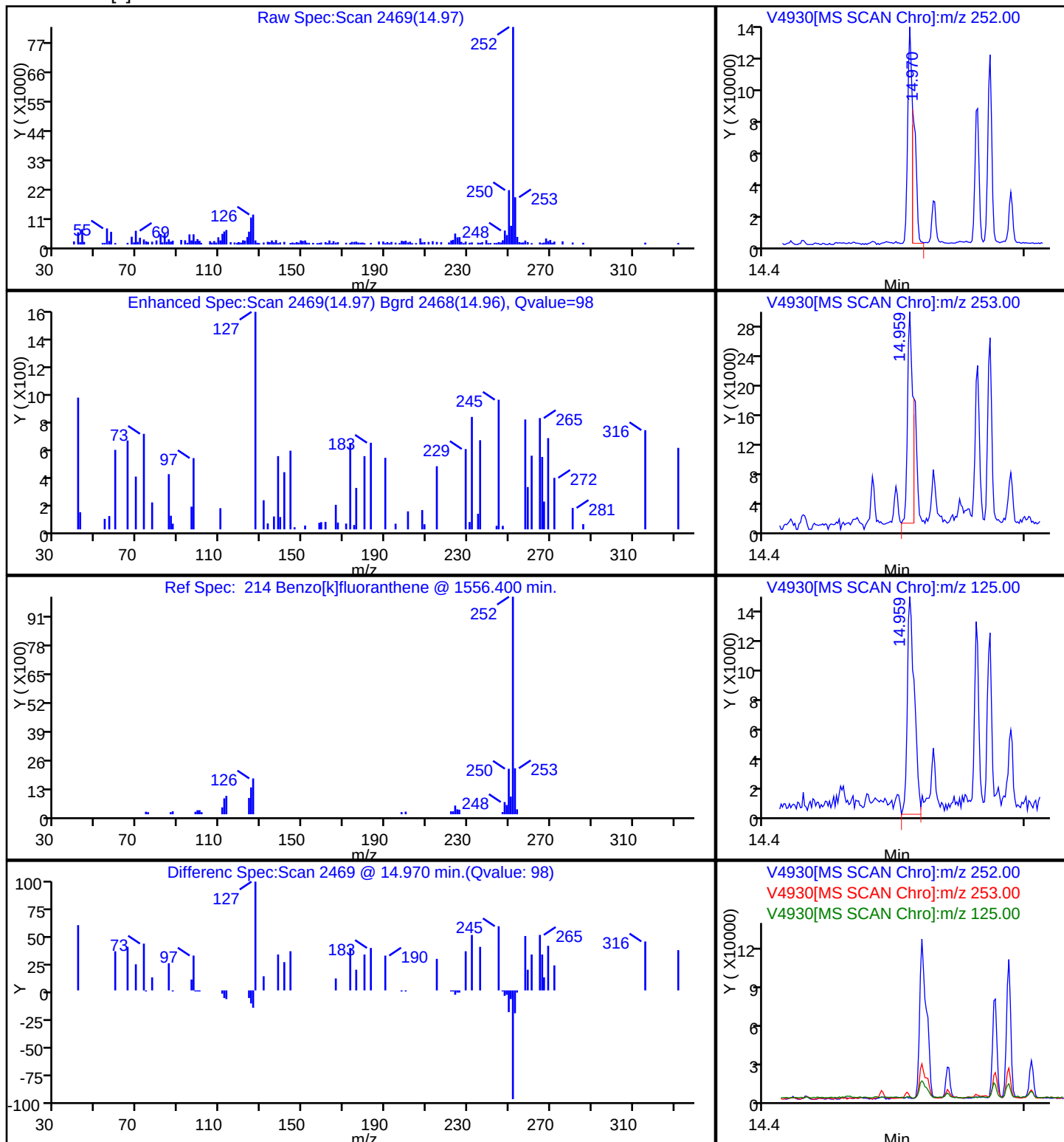
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

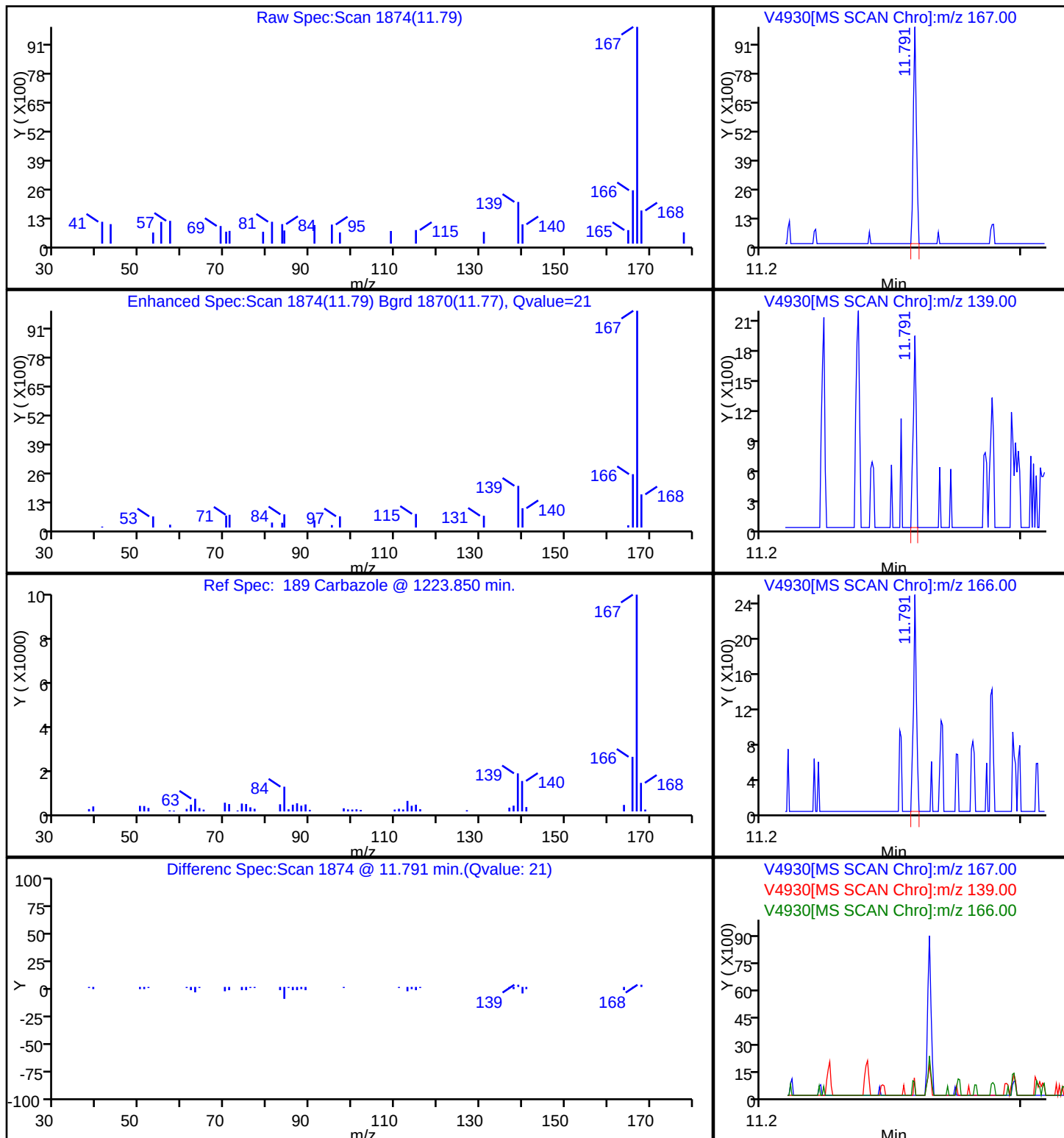
Column Dia: 0.25 mm

214 Benzo[k]fluoranthene



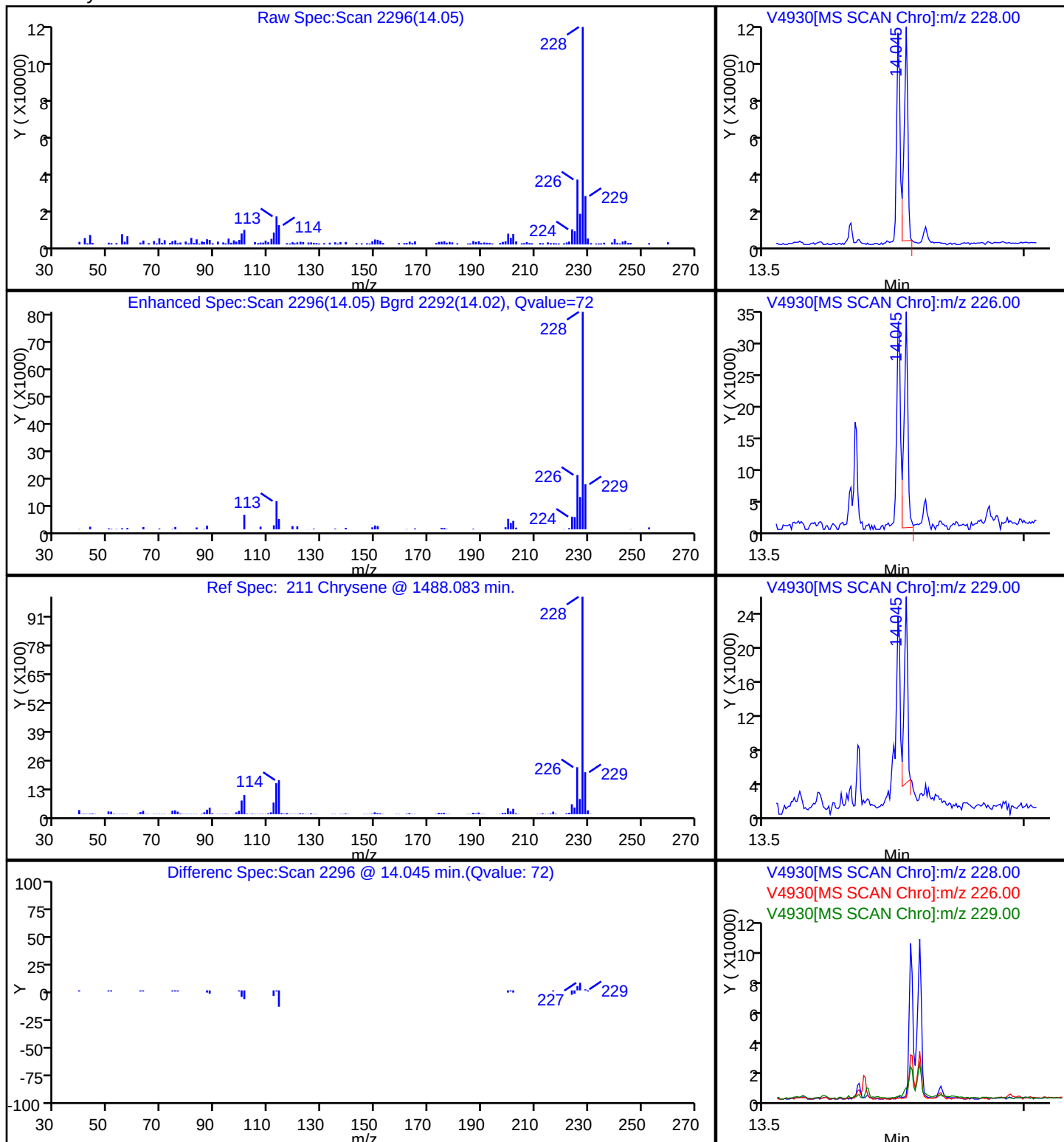
Report Date: 13-Sep-2011 10:18:01
 Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D
 Injection Date: 12-Sep-2011 13:54:30
 Client ID: DUP-01
 Lims Batch ID: 30771
 Operator ID: MKP
 Column Type: RXI-5Sil MS
 189 Carbazole

Chrom Revision: 2.0 01-Sep-2011 14:10:00
 Limit Group: MB - 8270C ICAL
 Instrument ID: HP5973V
 Lims Sample ID: 19
 Injection Vol: 1.00 ul
 Column Dia: 0.25 mm



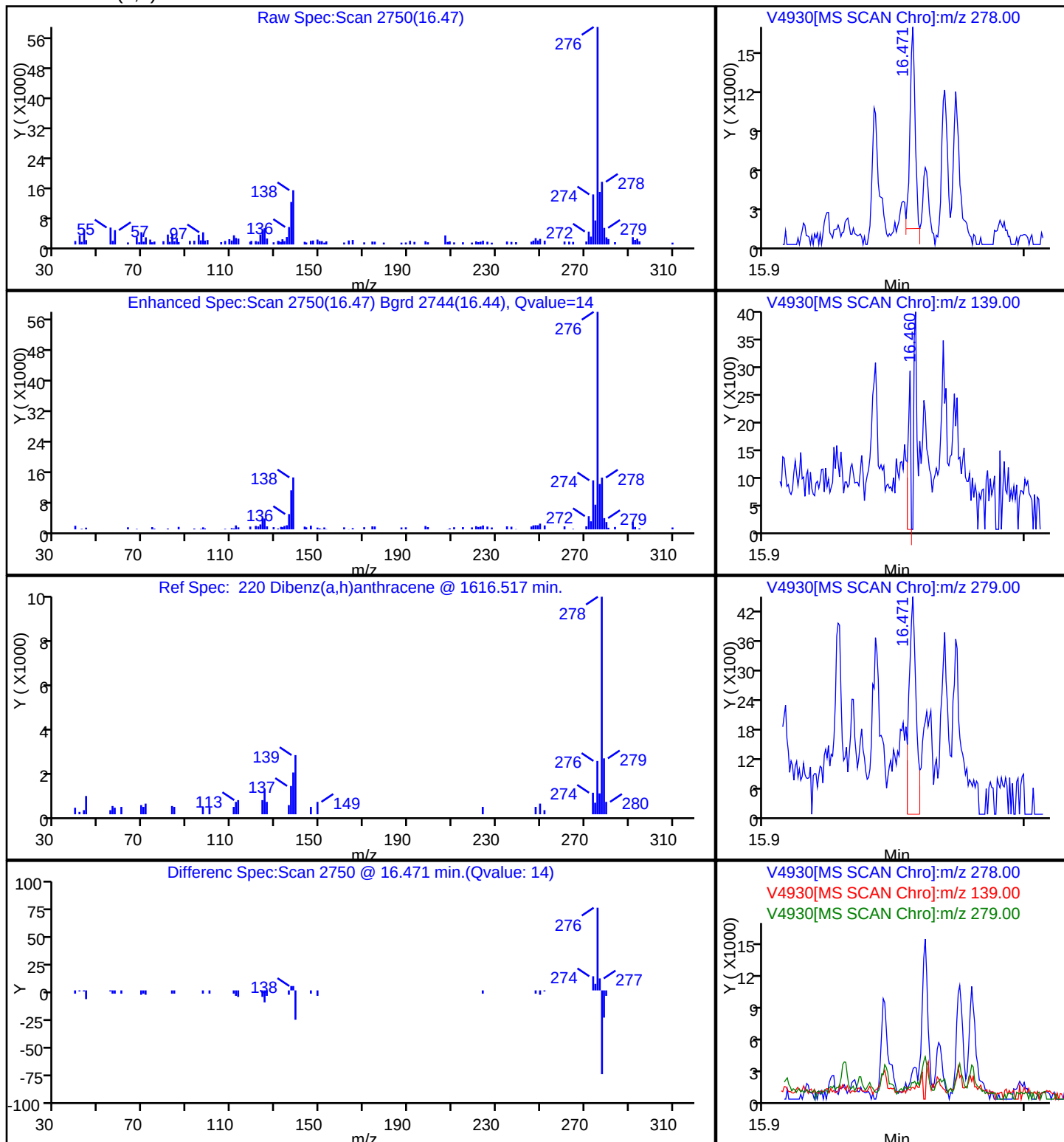
Report Date: 13-Sep-2011 10:18:01
Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D
Injection Date: 12-Sep-2011 13:54:30
Client ID: DUP-01
Lims Batch ID: 30771
Operator ID: MKP
Column Type: RXI-5Sil MS
211 Chrysene

Chrom Revision: 2.0 01-Sep-2011 14:10:00
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973V
Lims Sample ID: 19
Injection Vol: 1.00 ul
Column Dia: 0.25 mm



Report Date: 13-Sep-2011 10:18:01
 Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D
 Injection Date: 12-Sep-2011 13:54:30
 Client ID: DUP-01
 Lims Batch ID: 30771
 Operator ID: MKP
 Column Type: RXI-5Sil MS
 220 Dibenz(a,h)anthracene

Chrom Revision: 2.0 01-Sep-2011 14:10:00
 Limit Group: MB - 8270C ICAL
 Instrument ID: HP5973V
 Lims Sample ID: 19
 Injection Vol: 1.00 ul
 Column Dia: 0.25 mm



Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D

Injection Date: 12-Sep-2011 13:54:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-01

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 19

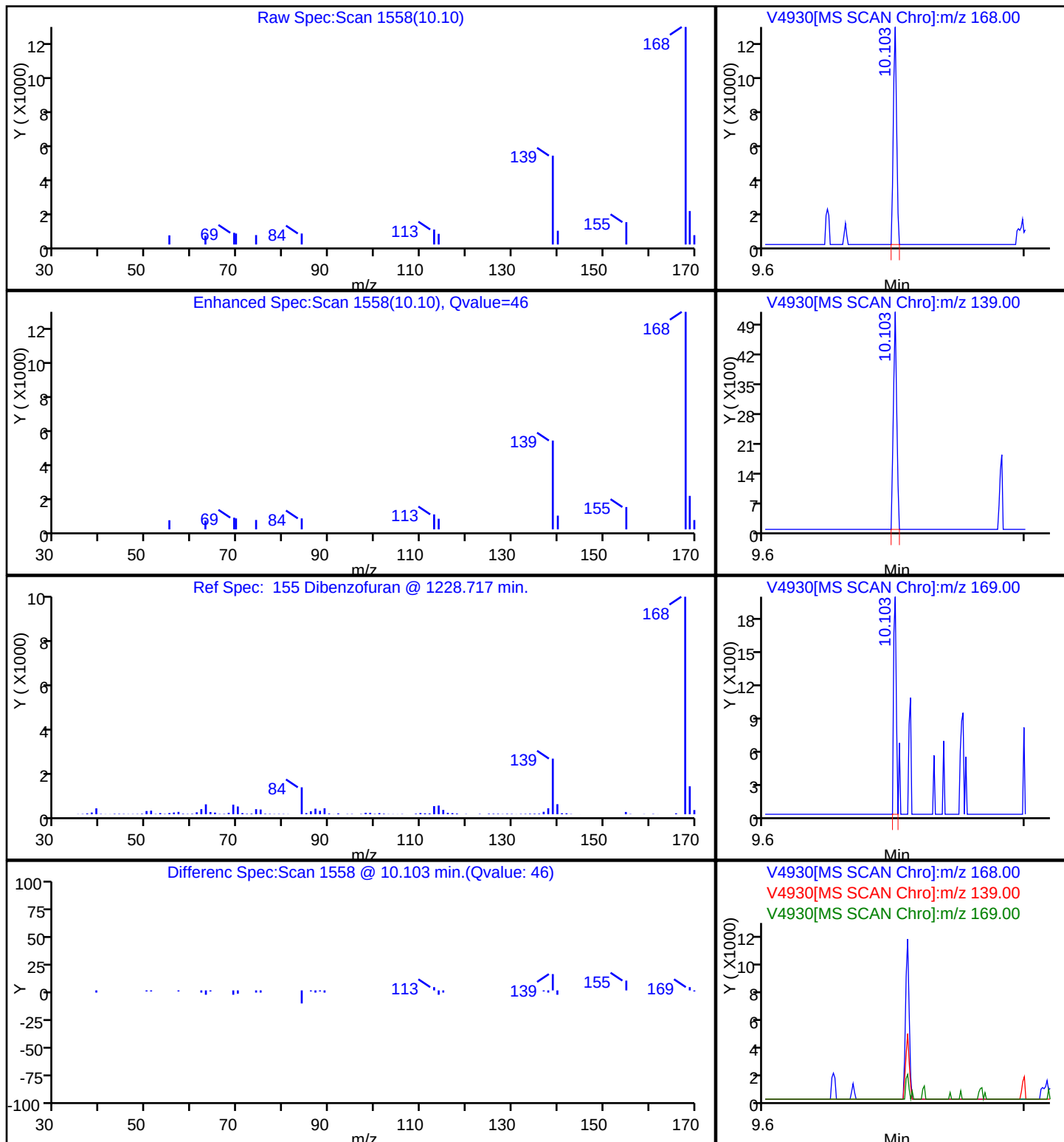
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

155 Dibenzofuran



Report Date: 13-Sep-2011 10:18:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D

Injection Date: 12-Sep-2011 13:54:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-01

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 19

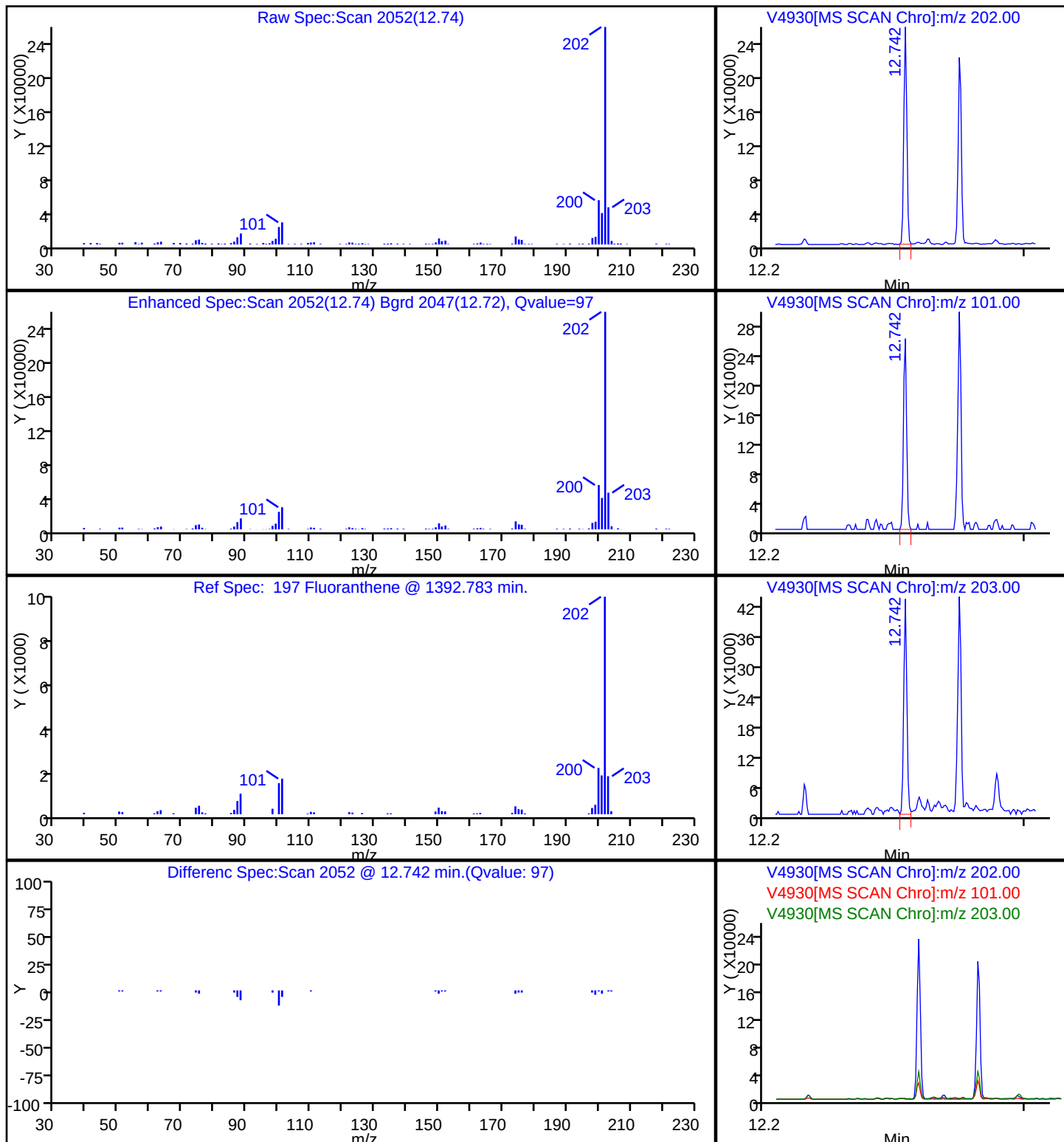
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

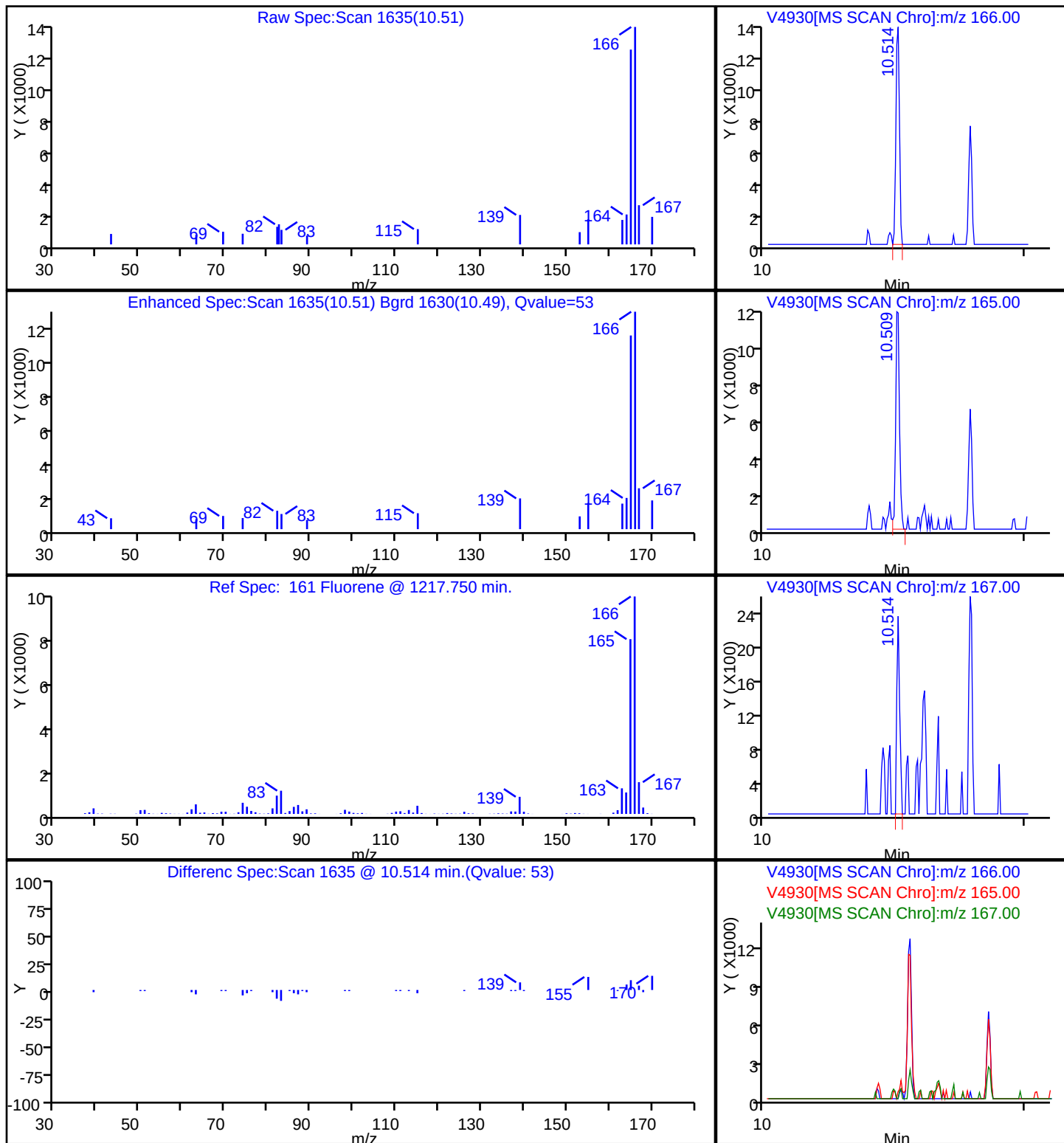
Column Dia: 0.25 mm

197 Fluoranthene



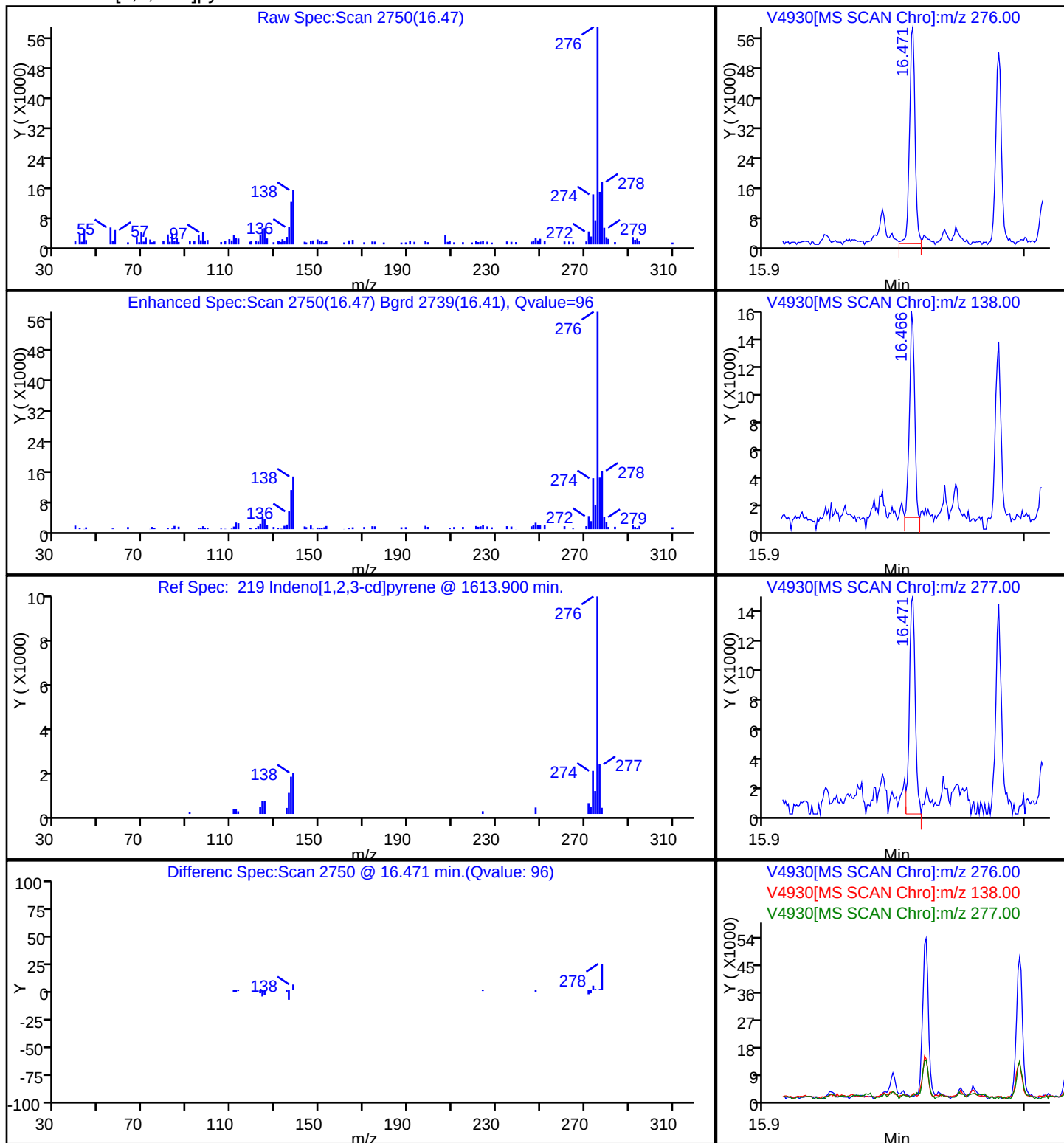
Report Date: 13-Sep-2011 10:18:01
Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D
Injection Date: 12-Sep-2011 13:54:30
Client ID: DUP-01
Lims Batch ID: 30771
Operator ID: MKP
Column Type: RXI-5Sil MS
161 Fluorene

Chrom Revision: 2.0 01-Sep-2011 14:10:00
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973V
Lims Sample ID: 19
Injection Vol: 1.00 ul
Column Dia: 0.25 mm



Report Date: 13-Sep-2011 10:18:01
 Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D
 Injection Date: 12-Sep-2011 13:54:30
 Client ID: DUP-01
 Lims Batch ID: 30771
 Operator ID: MKP
 Column Type: RXI-5Sil MS
 219 Indeno[1,2,3-cd]pyrene

Chrom Revision: 2.0 01-Sep-2011 14:10:00
 Limit Group: MB - 8270C ICAL
 Instrument ID: HP5973V
 Lims Sample ID: 19
 Injection Vol: 1.00 ul
 Column Dia: 0.25 mm



Report Date: 13-Sep-2011 10:18:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D

Injection Date: 12-Sep-2011 13:54:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-01

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 19

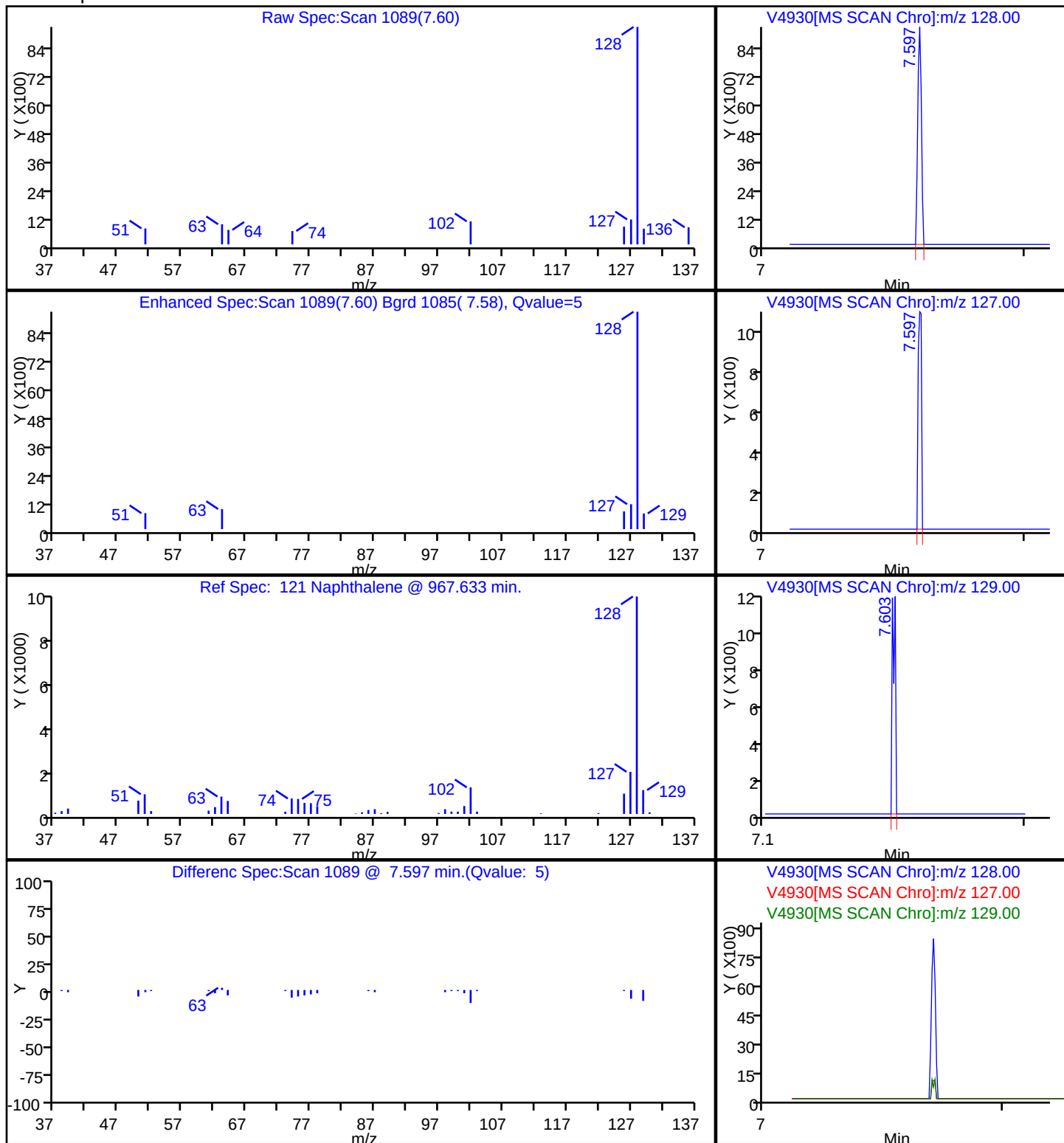
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

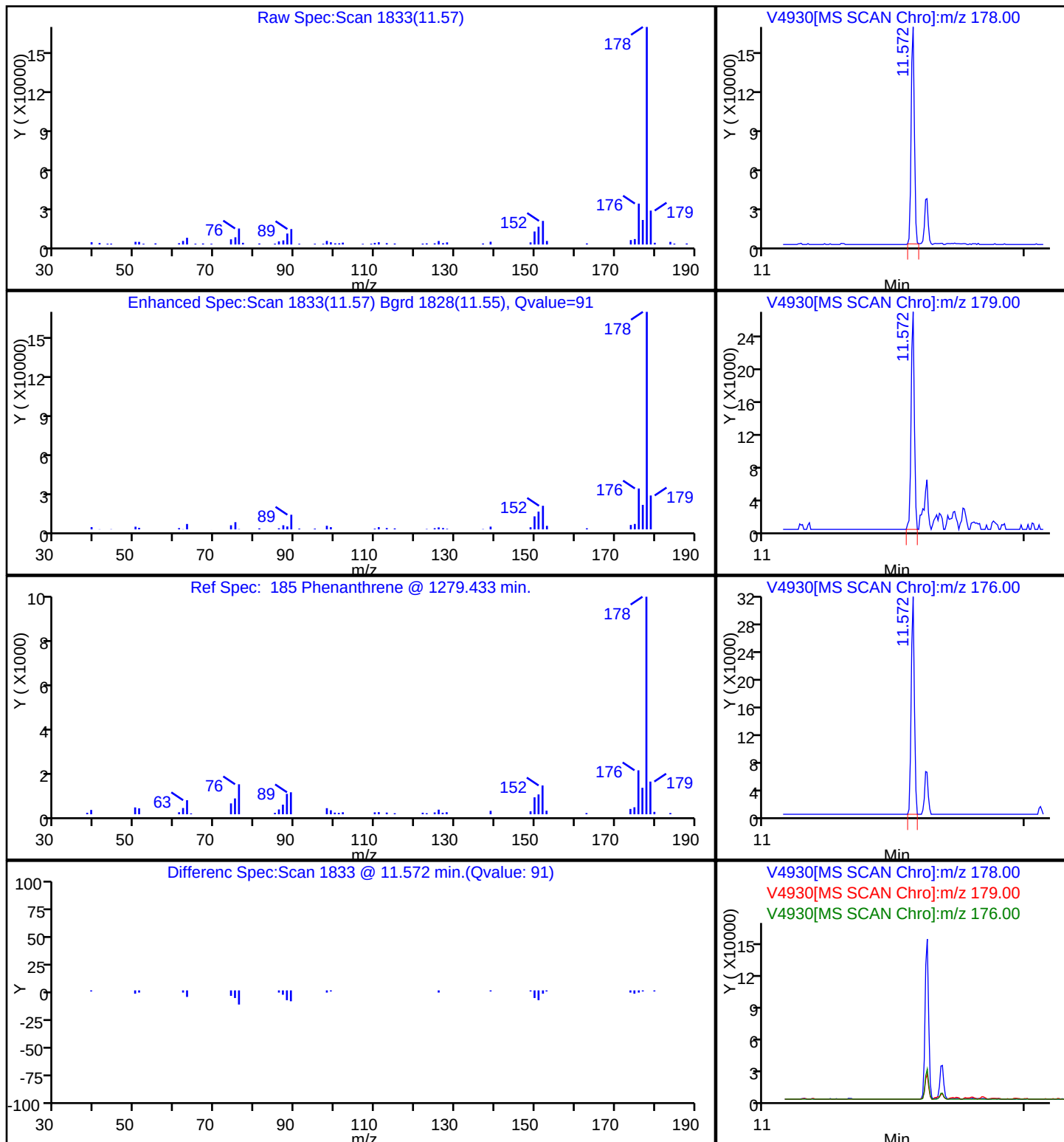
121 Naphthalene



Report Date: 13-Sep-2011 10:18:01
 Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D
 Injection Date: 12-Sep-2011 13:54:30
 Client ID: DUP-01
 Lims Batch ID: 30771
 Operator ID: MKP
 Column Type: RXI-5Sil MS

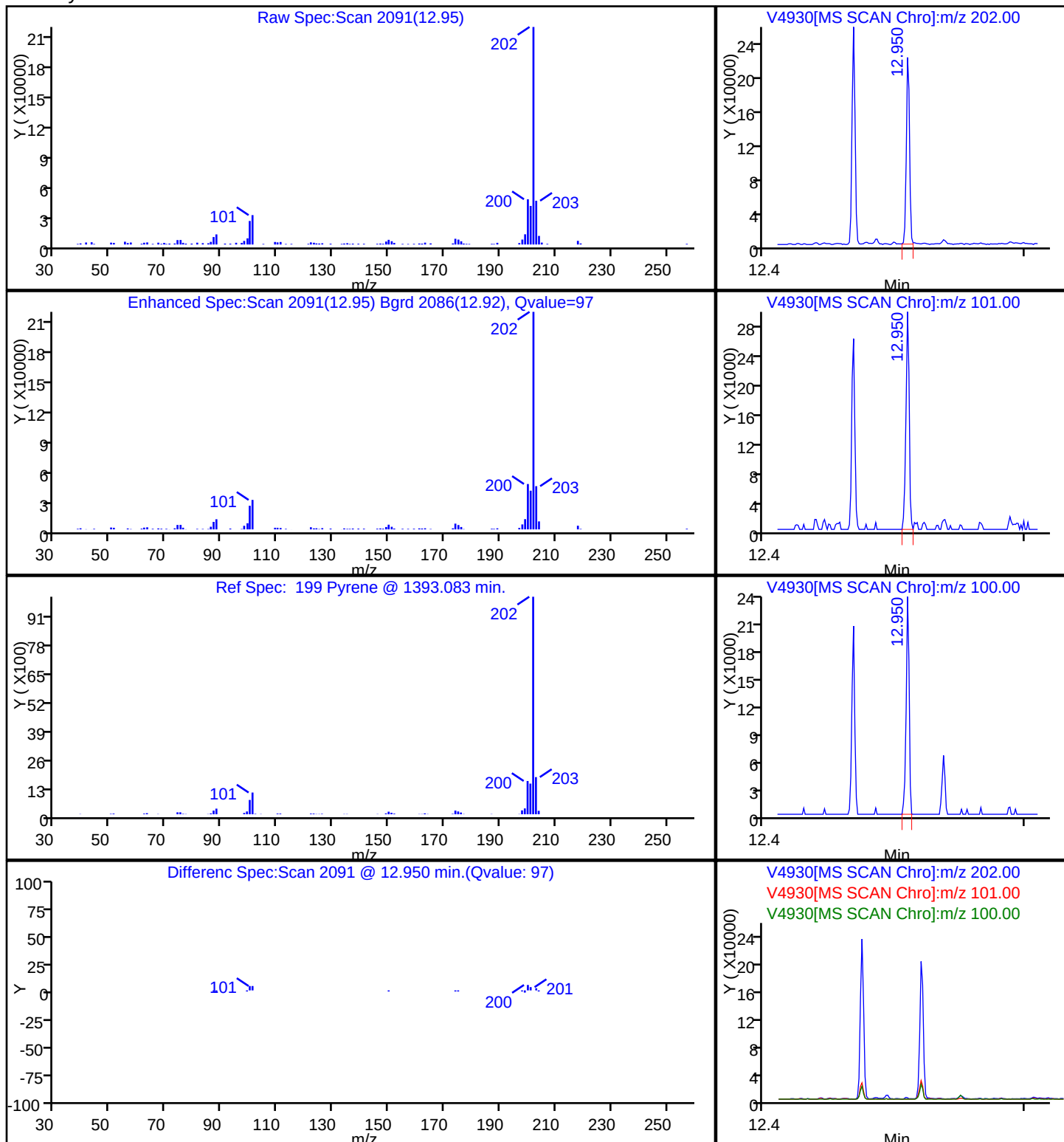
Chrom Revision: 2.0 01-Sep-2011 14:10:00
 Limit Group: MB - 8270C ICAL
 Instrument ID: HP5973V
 Lims Sample ID: 19
 Injection Vol: 1.00 ul
 Column Dia: 0.25 mm

185 Phenanthrene



Report Date: 13-Sep-2011 10:18:01
 Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D
 Injection Date: 12-Sep-2011 13:54:30
 Client ID: DUP-01
 Lims Batch ID: 30771
 Operator ID: MKP
 Column Type: RXI-5Sil MS
 199 Pyrene

Chrom Revision: 2.0 01-Sep-2011 14:10:00
 Limit Group: MB - 8270C ICAL
 Instrument ID: HP5973V
 Lims Sample ID: 19
 Injection Vol: 1.00 ul
 Column Dia: 0.25 mm

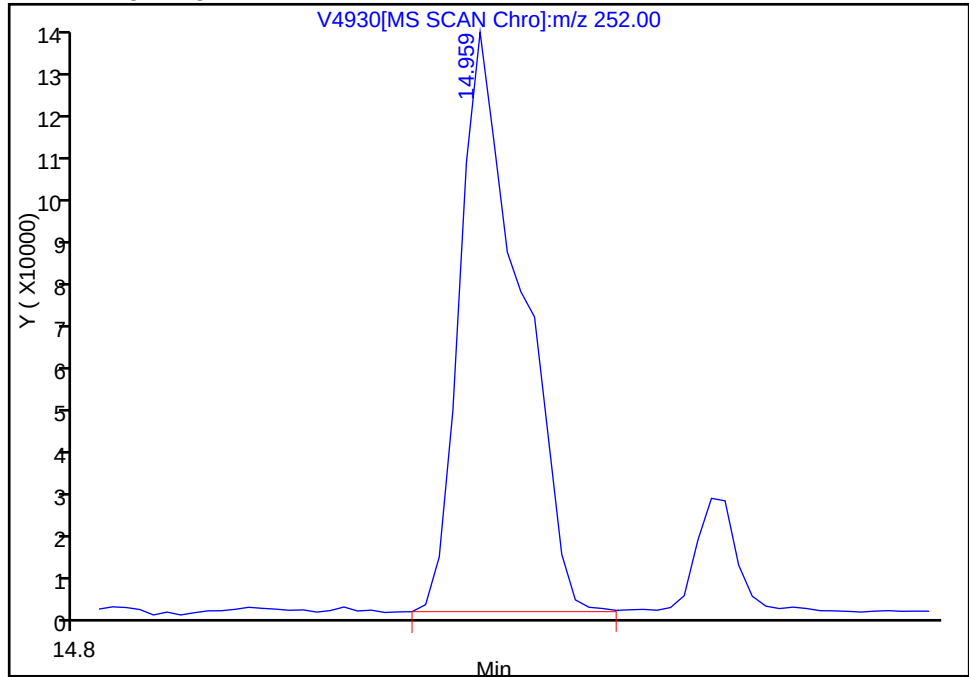


Data File:	\\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D		
Injection Date:	12-Sep-2011 13:54:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-01	Instrument ID:	HP5973V
Lims Batch ID:	30771	Lims Sample ID:	19
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.96

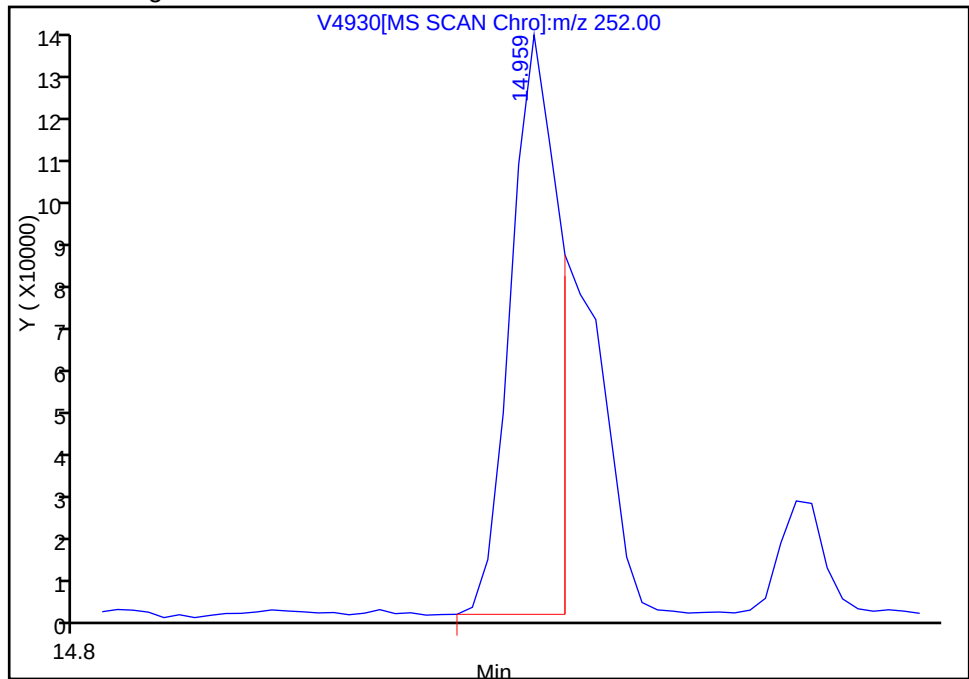
RT: 14.96
Response: 216969
Amount: 15.241300

Processing Integration Results



RT: 14.96
Response: 154007
Amount: 10.818444

Manual Integration Results



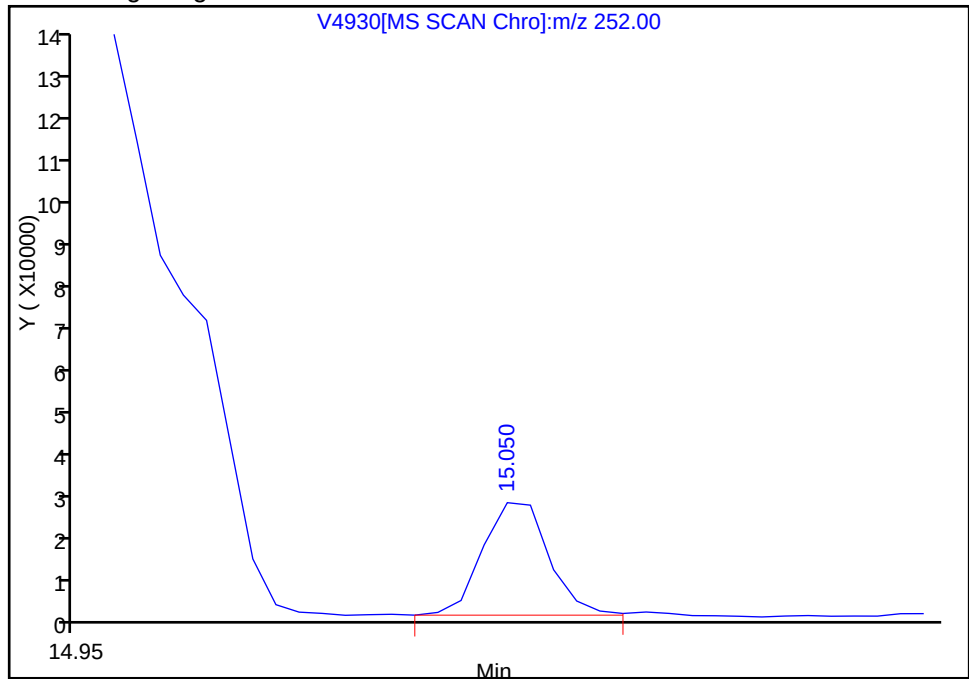
Reviewer: pagem, 13-Sep-2011 10:18:00
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

Data File:	\\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D		
Injection Date:	12-Sep-2011 13:54:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-01	Instrument ID:	HP5973V
Lims Batch ID:	30771	Lims Sample ID:	19
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.99

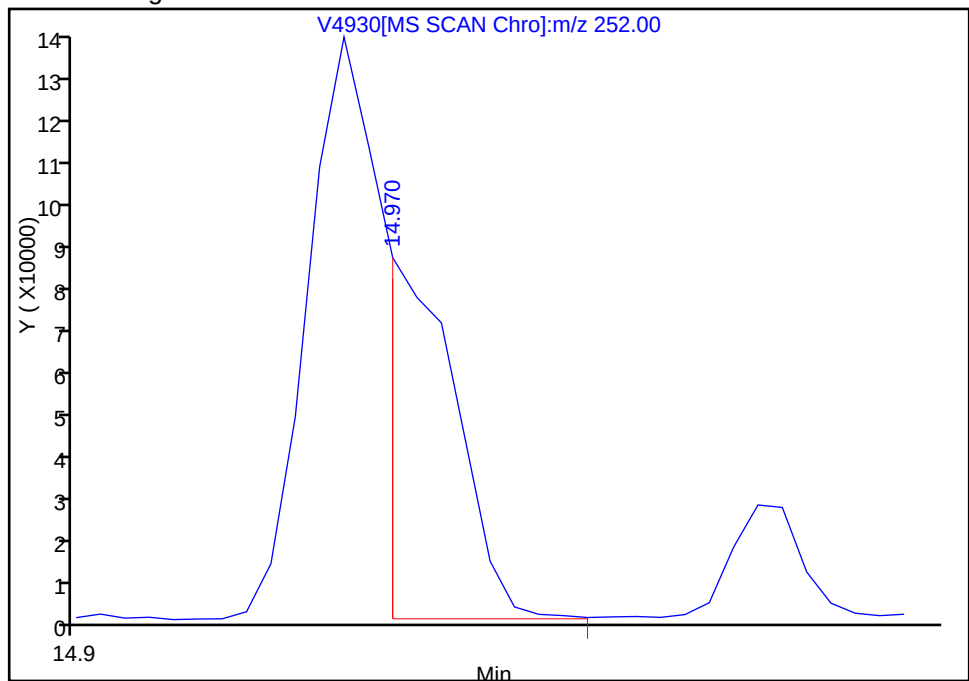
RT: 15.05
Response: 27079
Amount: 1.814463

Processing Integration Results



RT: 14.97
Response: 89035
Amount: 5.965905

Manual Integration Results



Reviewer: pagem, 13-Sep-2011 10:18:00
Audit Action: Split an Integrated Peak
Audit Reason: Wrong peak

Report Date: 13-Sep-2011 10:18:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D

Injection Date: 12-Sep-2011 13:54:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-01

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 19

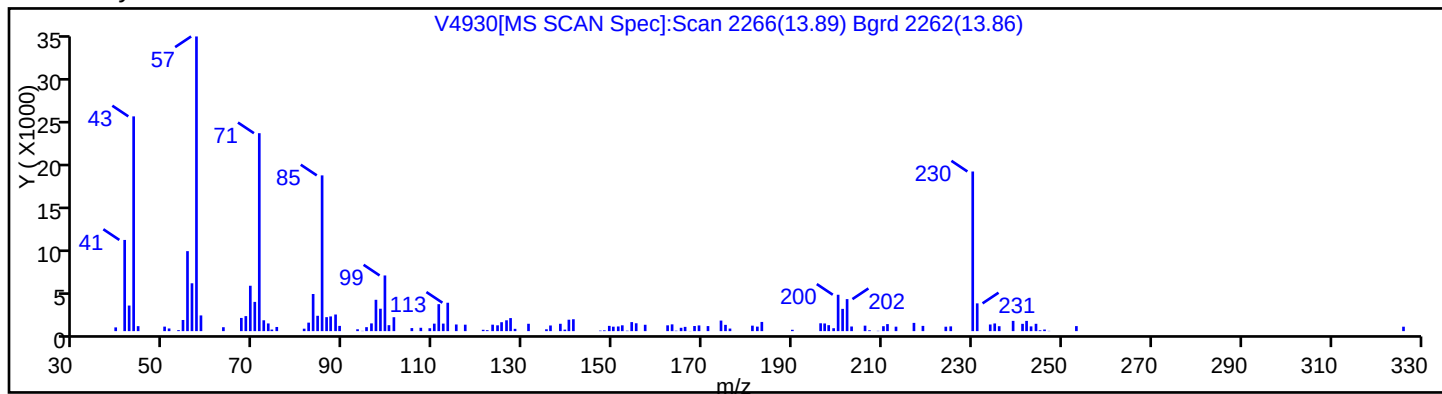
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

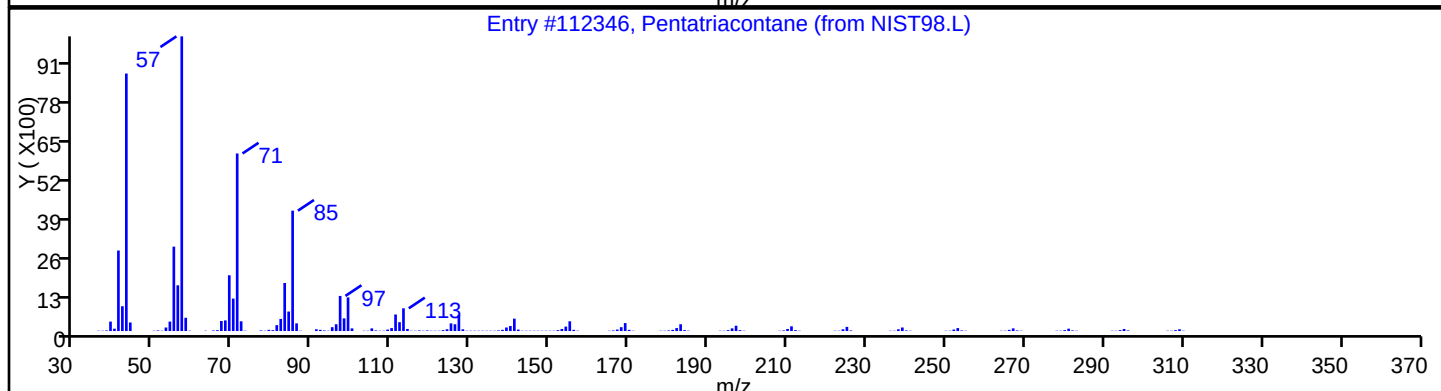
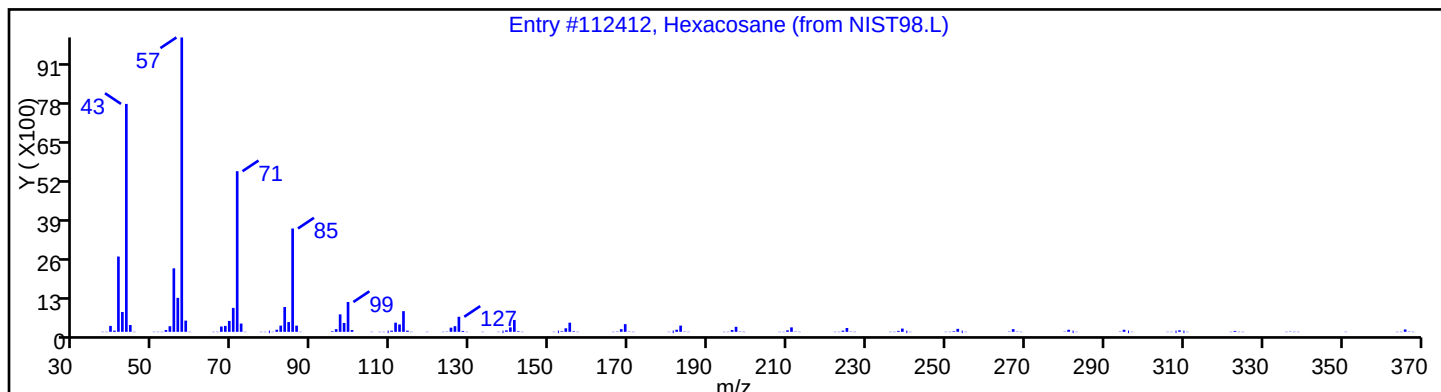
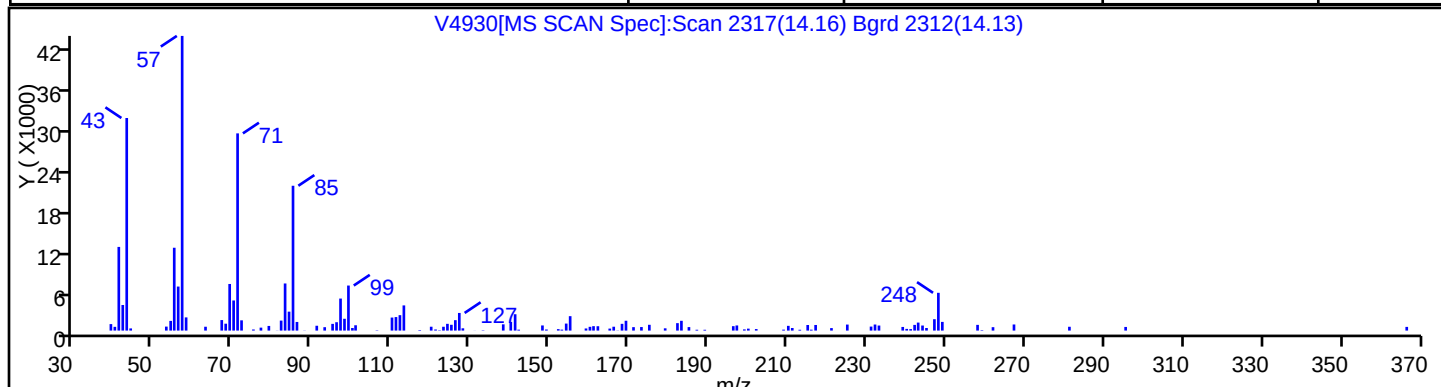
No Library Matches Found above the Threshold: 85



Report Date: 13-Sep-2011 10:18:01
 Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D
 Injection Date: 12-Sep-2011 13:54:30
 Client ID: DUP-01
 Lims Batch ID: 30771
 Operator ID: MKP
 Column Type: RXI-5Sil MS

Chrom Revision: 2.0 01-Sep-2011 14:10:00
 Limit Group: MB - 8270C ICAL
 Instrument ID: HP5973V
 Lims Sample ID: 19
 Injection Vol: 1.00 ul
 Column Dia: 0.25 mm

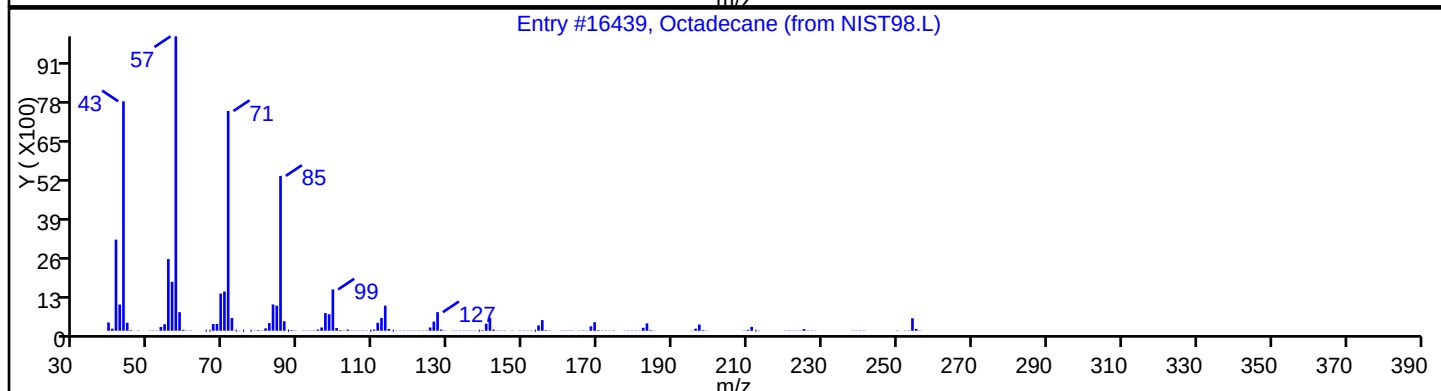
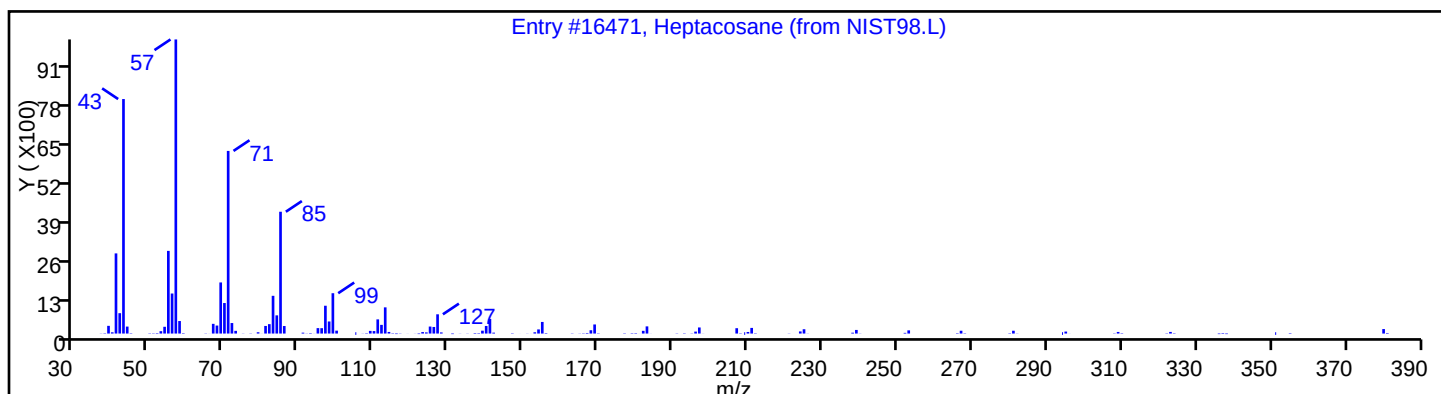
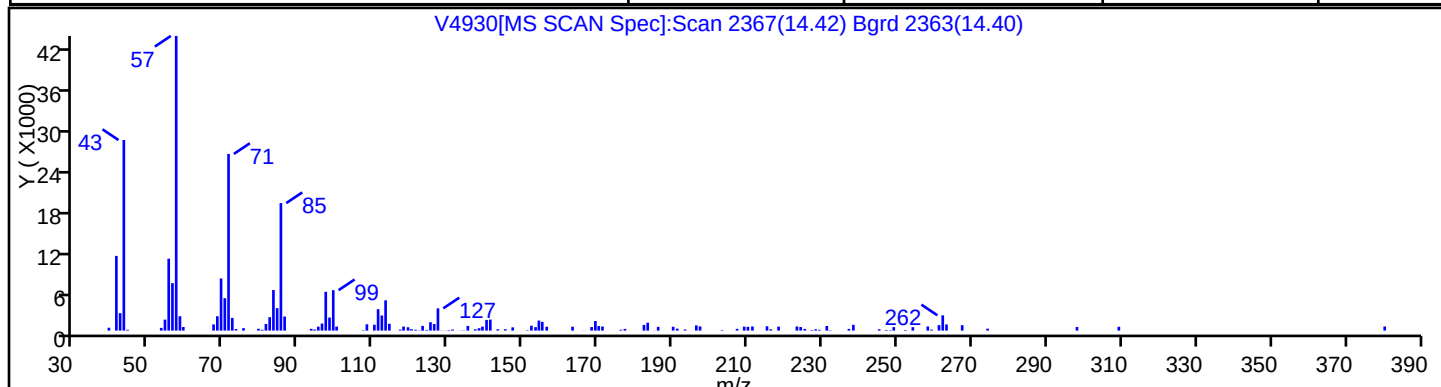
Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown alkane		NIST98.L	0	0
Hexacosane	630-1-3	NIST98.L	112412	96
Pentatriacontane	630-7-9	NIST98.L	112346	93



Report Date: 13-Sep-2011 10:18:01
 Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D
 Injection Date: 12-Sep-2011 13:54:30
 Client ID: DUP-01
 Lims Batch ID: 30771
 Operator ID: MKP
 Column Type: RXI-5Sil MS

Chrom Revision: 2.0 01-Sep-2011 14:10:00
 Limit Group: MB - 8270C ICAL
 Instrument ID: HP5973V
 Lims Sample ID: 19
 Injection Vol: 1.00 ul
 Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown alkane		NIST98.L	0	0
Heptacosane	593-49-7	NIST98.L	16471	98
Octadecane	593-45-3	NIST98.L	16439	96



Report Date: 13-Sep-2011 10:18:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D

Injection Date: 12-Sep-2011 13:54:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-01

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 19

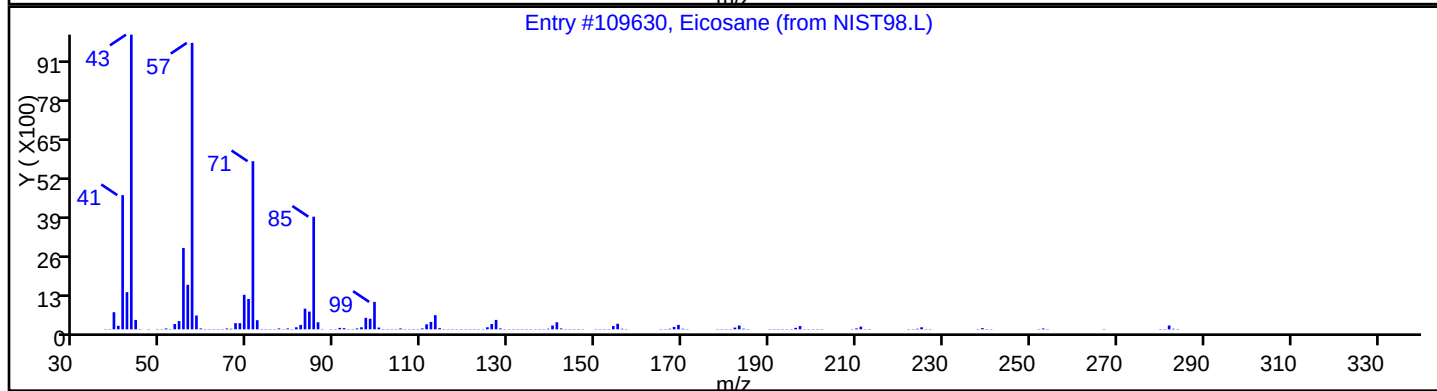
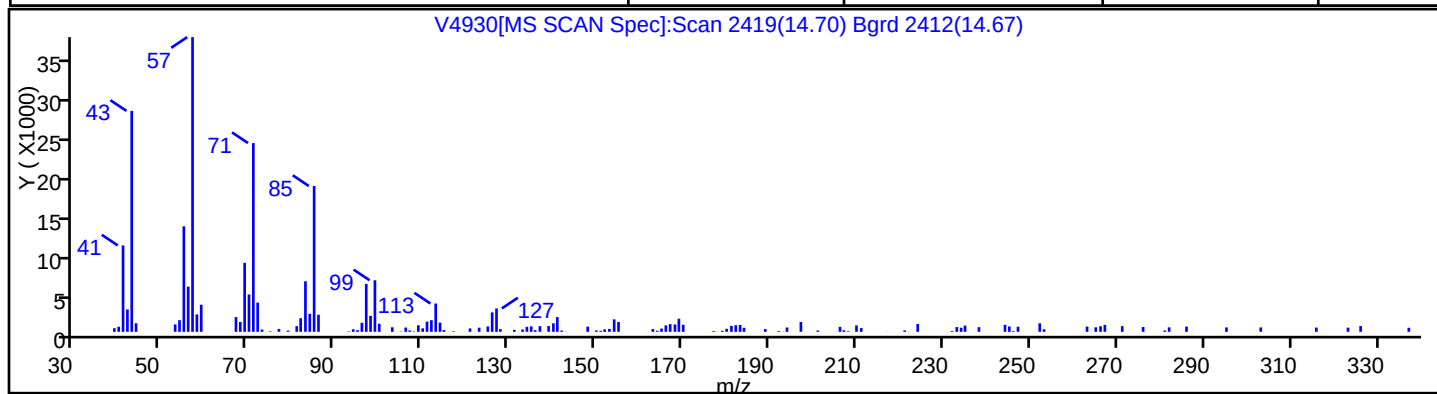
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane	112-95-8	NIST98.L	109630	95



Report Date: 13-Sep-2011 10:18:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4930.D

Injection Date: 12-Sep-2011 13:54:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-01

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 19

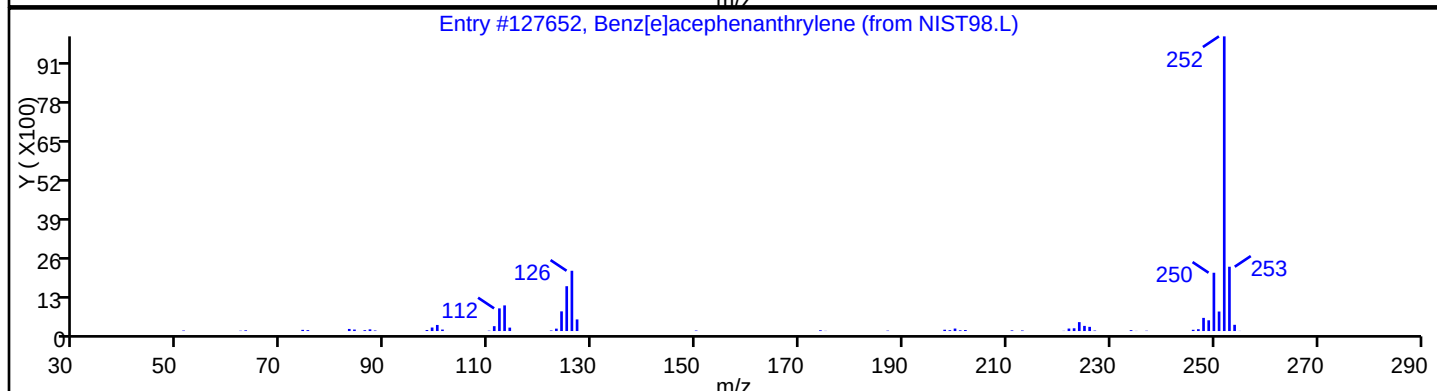
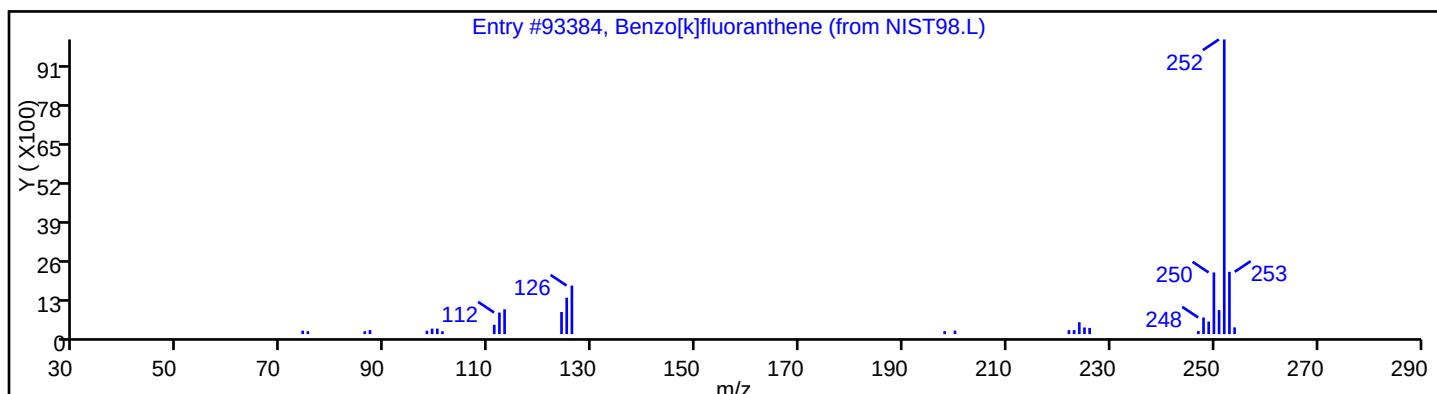
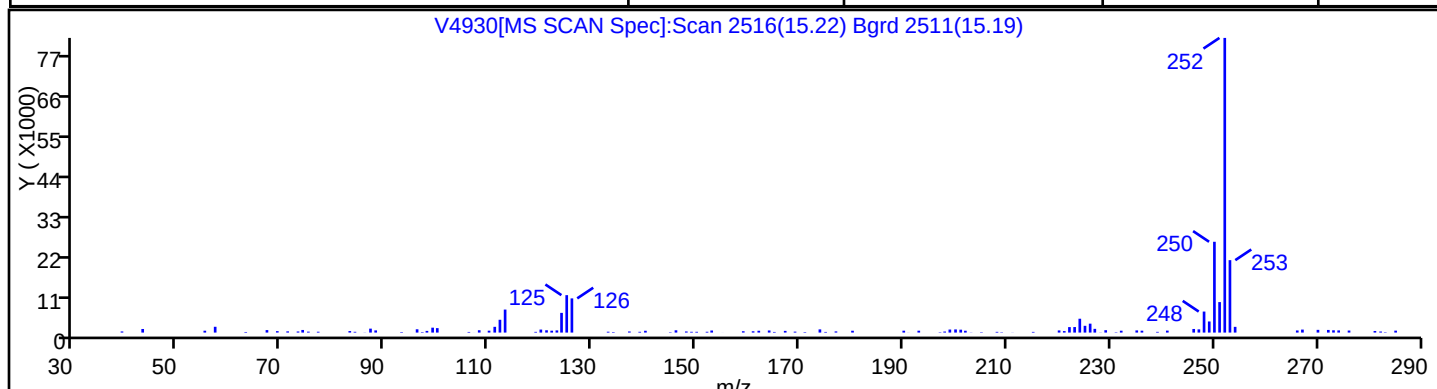
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Benzo[k]fluoranthene	207-8-9	NIST98.L	93384	97
Benz[e]acephenanthrylene	205-99-2	NIST98.L	127652	95



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-B1 (5-9)</u>	Lab Sample ID: <u>480-9503-6</u>
Matrix: <u>Solid</u>	Lab File ID: <u>V5081.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/07/2011 07:50</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/12/2011 11:09</u>
Sample wt/vol: <u>+30.63(g)</u>	Date Analyzed: <u>09/15/2011 17:29</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>18.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>31329</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		200	44
88-06-2	2,4,6-Trichlorophenol	ND		200	13
120-83-2	2,4-Dichlorophenol	ND		200	11
105-67-9	2,4-Dimethylphenol	ND		200	55
51-28-5	2,4-Dinitrophenol	ND		390	71
121-14-2	2,4-Dinitrotoluene	ND		200	31
606-20-2	2,6-Dinitrotoluene	ND		200	49
91-58-7	2-Chloronaphthalene	ND		200	14
95-57-8	2-Chlorophenol	ND		200	10
91-57-6	2-Methylnaphthalene	ND		200	2.4
95-48-7	2-Methylphenol	ND		200	6.2
88-74-4	2-Nitroaniline	ND		390	65
88-75-5	2-Nitrophenol	ND		200	9.2
91-94-1	3,3'-Dichlorobenzidine	ND		200	180
99-09-2	3-Nitroaniline	ND		390	46
534-52-1	4,6-Dinitro-2-methylphenol	ND		390	70
101-55-3	4-Bromophenyl phenyl ether	ND		200	64
59-50-7	4-Chloro-3-methylphenol	ND		200	8.3
106-47-8	4-Chloroaniline	ND		200	59
7005-72-3	4-Chlorophenyl phenyl ether	ND		200	4.3
106-44-5	4-Methylphenol	ND		390	11
100-01-6	4-Nitroaniline	ND		390	23
100-02-7	4-Nitrophenol	ND		390	49
83-32-9	Acenaphthene	ND		200	2.4
208-96-8	Acenaphthylene	ND		200	1.7
98-86-2	Acetophenone	ND		200	10
120-12-7	Anthracene	54	J	200	5.2
1912-24-9	Atrazine	ND		200	9.0
100-52-7	Benzaldehyde	ND		200	22
56-55-3	Benzo(a)anthracene	8.0	J	200	3.5
50-32-8	Benzo(a)pyrene	ND		200	4.9
205-99-2	Benzo(b)fluoranthene	ND		200	3.9
191-24-2	Benzo(g,h,i)perylene	ND		200	2.4
207-08-9	Benzo(k)fluoranthene	ND		200	2.2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-B1 (5-9)</u>	Lab Sample ID: <u>480-9503-6</u>
Matrix: <u>Solid</u>	Lab File ID: <u>V5081.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/07/2011 07:50</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/12/2011 11:09</u>
Sample wt/vol: <u>+30.63(g)</u>	Date Analyzed: <u>09/15/2011 17:29</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>18.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>31329</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		200	13
108-60-1	bis (2-chloroisopropyl) ether	ND		200	21
111-91-1	Bis(2-chloroethoxy)methane	ND		200	11
111-44-4	Bis(2-chloroethyl)ether	ND		200	17
117-81-7	Bis(2-ethylhexyl) phthalate	ND		200	65
85-68-7	Butyl benzyl phthalate	ND		200	54
105-60-2	Caprolactam	ND		200	87
86-74-8	Carbazole	ND		200	2.3
218-01-9	Chrysene	7.7	J	200	2.0
53-70-3	Dibenz (a,h) anthracene	ND		200	2.4
132-64-9	Dibenzofuran	ND		200	2.1
84-66-2	Diethyl phthalate	28	J	200	6.1
131-11-3	Dimethyl phthalate	ND		200	5.3
84-74-2	Di-n-butyl phthalate	ND		200	70
117-84-0	Di-n-octyl phthalate	ND		200	4.7
206-44-0	Fluoranthene	19	J	200	2.9
86-73-7	Fluorene	110	J	200	4.7
118-74-1	Hexachlorobenzene	ND		200	10
87-68-3	Hexachlorobutadiene	ND		200	10
77-47-4	Hexachlorocyclopentadiene	ND		200	61
67-72-1	Hexachloroethane	ND		200	16
193-39-5	Indeno (1,2,3-cd)pyrene	ND		200	5.6
78-59-1	Isophorone	ND		200	10
91-20-3	Naphthalene	ND		200	3.4
98-95-3	Nitrobenzene	ND		200	9.0
621-64-7	N-Nitrosodi-n-propylamine	ND		200	16
86-30-6	N-Nitrosodiphenylamine	ND		200	11
87-86-5	Pentachlorophenol	ND		390	69
85-01-8	Phenanthrene	120	J	200	4.2
108-95-2	Phenol	ND		200	21
129-00-0	Pyrene	31	J	200	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: SB-B1 (5-9) Lab Sample ID: 480-9503-6
Matrix: Solid Lab File ID: V5081.D
Analysis Method: 8270C Date Collected: 09/07/2011 07:50
Extract. Method: 3550B Date Extracted: 09/12/2011 11:09
Sample wt/vol: +30.63(g) Date Analyzed: 09/15/2011 17:29
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 18.2 GPC Cleanup: (Y/N) N
Analysis Batch No.: 31329 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	100		39-146
321-60-8	2-Fluorobiphenyl	90		37-120
367-12-4	2-Fluorophenol	98		18-120
4165-60-0	Nitrobenzene-d5	80		34-132
4165-62-2	Phenol-d5	101		11-120
1718-51-0	p-Terphenyl-d14	83		58-147

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: SB-B1 (5-9) Lab Sample ID: 480-9503-6
 Matrix: Solid Lab File ID: V5081.D
 Analysis Method: 8270C Date Collected: 09/07/2011 07:50
 Extract. Method: 3550B Date Extracted: 09/12/2011 11:09
 Sample wt/vol: +30.63(g) Date Analyzed: 09/15/2011 17:29
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 18.2 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 31329 Units: ug/Kg
 Number TICs Found: 20 TIC Result Total: 11630

CAS NO.	COMPOUND NAME	RT	RESULT	Q
17301-23-4	Undecane, 2,6-dimethyl-	7.69	360	T J N
26730-14-3	Tridecane, 7-methyl-	8.17	880	T J N
	Unknown	8.46	370	T J
	Unknown	9.45	770	T J
1120-21-4	Undecane	9.53	1100	T J N
80655-44-3	Decahydro-4,4,8,9,10-pentamethylnaphthal	9.71	780	T J N
2131-42-2	Naphthalene, 1,4,6-trimethyl-	9.96	590	T J N
	Unknown	10.08	390	T J
	Unknown	10.12	400	T J
	Unknown	10.22	410	T J
54774-89-9	Naphthalene, 2-methyl-1-propyl-	10.52	370	T J N
	Unknown	10.67	900	T J
	Unknown	10.78	520	T J
529-5-5	Azulene, 7-ethyl-1,4-dimethyl-	10.92	340	T J N
	Unknown	10.97	710	T J
	Unknown	11.00	400	T J
	Unknown	11.10	580	T J
	Unknown	11.14	690	T J
3031-15-0	Naphthalene, 1,2,3,4-tetramethyl-	11.17	510	T J N
	Unknown alkane	11.47	560	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D
 Lims ID: 480-9503-E-6-C Client ID: SB-B1 (5-9)
 Inject. Date: 15-Sep-2011 17:29:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0005974-024
 Misc. Info.: 480-9503-E-6-C
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 24
 Lims Batch ID: 31329 Lims Sample ID: 24
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V-8270.m
 Last Update: 16-Sep-2011 10:24:47 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 16-Sep-2011 10:24:47

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.804	5.804	0.0	95	119803	40.0	
* 2 Naphthalene-d8	136	7.524	7.524	0.0	100	446867	40.0	
* 3 Acenaphthene-d10	164	9.805	9.805	0.0	92	247696	40.0	
* 4 Phenanthrene-d10	188	11.509	11.509	0.0	96	504821	40.0	
* 5 Chrysene-d12	240	13.988	13.983	0.005	97	560807	40.0	
* 6 Perylene-d12	264	15.276	15.270	0.006	97	687322	40.0	
\$ 9 2-Fluorophenol	112	3.929	3.923	0.006	93	549461	146.4	
\$ 10 Phenol-d5	99	5.312	5.312	0.0	87	718518	151.3	
\$ 11 Nitrobenzene-d5	82	6.562	6.563	-0.001	87	357870	80.0	
\$ 12 2-Fluorobiphenyl	172	8.950	8.951	-0.001	99	714423	90.2	
\$ 13 2,4,6-Tribromophenol	330	10.756	10.756	0.0	92	157188	149.5	
\$ 14 p-Terphenyl-d14	244	13.053	13.053	0.0	97	1009384	83.4	
88 Benzaldehyde	77		5.173					
89 Phenol	94		5.328					
91 Bis(2-chloroethyl)ether	93		5.435					
93 2-Chlorophenol	128		5.510					
98 2-Methylphenol	108		6.178					
99 2,2'-oxybis[1-chloropropane]	45		6.205					
104 Acetophenone	105		6.359					
101 N-Nitrosodi-n-propylamine	70		6.376					
102 4-Methylphenol	108		6.392					
106 Hexachloroethane	117		6.504					
107 Nitrobenzene	77		6.589					
110 Isophorone	82		6.915					
111 2-Nitrophenol	139		7.022					
112 2,4-Dimethylphenol	107		7.113					
115 Bis(2-chloroethoxy)methane	93		7.225					
117 2,4-Dichlorophenol	162		7.353					
121 Naphthalene	128		7.556					
123 4-Chloroaniline	127		7.636					
126 Hexachlorobutadiene	225		7.754					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113		8.042					
131 4-Chloro-3-methylphenol	107		8.299					
133 2-Methylnaphthalene	142		8.464					
136 Hexachlorocyclopentadiene	237		8.694					
139 2,4,6-Trichlorophenol	196		8.844					
140 2,4,5-Trichlorophenol	196		8.886					
144 1,1'-Biphenyl	154		9.073					
143 2-Chloronaphthalene	162		9.089					
145 2-Nitroaniline	65		9.228					
147 Dimethyl phthalate	163		9.479					
148 2,6-Dinitrotoluene	165		9.544					
149 Acenaphthylene	152		9.618					
150 3-Nitroaniline	138		9.752					
151 Acenaphthene	153		9.843					
152 2,4-Dinitrophenol	184		9.885					
153 4-Nitrophenol	109		9.987					
154 2,4-Dinitrotoluene	165		10.051					
155 Dibenzofuran	168		10.062					
160 Diethyl phthalate	149	10.355	10.361	-0.006	11	5550	0.6927	
161 Fluorene	166	10.473	10.473	0.0	74	22384	2.80	
162 4-Chlorophenyl phenyl ether	204		10.484					
164 4-Nitroaniline	138		10.500					
166 4,6-Dinitro-2-methylphenol	198		10.543					
167 N-Nitrosodiphenylamine	169		10.617					
176 4-Bromophenyl phenyl ether	248		11.034					
177 Hexachlorobenzene	284		11.114					
180 Atrazine	200		11.221					
181 Pentachlorophenol	266		11.322					
185 Phenanthrene	178	11.531	11.536	-0.005	90	39050	2.89	
188 Anthracene	178	11.584	11.590	-0.006	81	18428	1.35	
189 Carbazole	167		11.755					
192 Di-n-butyl phthalate	149		12.113					
197 Fluoranthene	202	12.706	12.706	0.0	80	7080	0.4868	
199 Pyrene	202	12.914	12.914	0.0	89	13842	0.7825	
205 Butyl benzyl phthalate	149		13.481					
208 3,3'-Dichlorobenzidine	252		13.946					
210 Bis(2-ethylhexyl) phthalate	149	13.967	13.967	0.0	79	12843	1.08	
209 Benzo[a]anthracene	228	13.983	13.978	0.005	25	3299	0.2017	
211 Chrysene	228	14.004	14.010	-0.006	1	3068	0.1934	
212 Di-n-octyl phthalate	149		14.501					
213 Benzo[b]fluoranthene	252		14.912					
214 Benzo[k]fluoranthene	252		14.934					
217 Benzo[a]pyrene	252		15.217					
219 Indeno[1,2,3-cd]pyrene	276		16.408					
220 Dibenz(a,h)anthracene	278		16.408					
221 Benzo[g,h,i]perylene	276		16.734					

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D
 Lims ID: 480-9503-E-6-C Client ID: SB-B1 (5-9)
 Inject. Date: 15-Sep-2011 17:29:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0005974-024
 Misc. Info.: 480-9503-E-6-C
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 24
 Lims Batch ID: 31329 Lims Sample ID: 24
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V-8270.m
 Last Update: 16-Sep-2011 10:24:47 Calib Date: 08-Sep-2011 10:41:30
 Tic RT Window: 1.500 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\Bufchrom\ChromData\Database\NIST98.L
 Min. Match: 85
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 16-Sep-2011 10:24:47

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
17301-23-4	Undecane, 2,6-dimethyl-					
7.690	231428	8.96	2	93	112287	
26730-14-3	Tridecane, 7-methyl-					
8.165	567801	22.0	2	87	17085	
	Unknown					
8.464	241481	9.35	2			
	Unknown					
9.447	734151	19.4	3			
1120-21-4	Undecane					
9.527	1017707	26.8	3	91	112395	
80655-44-3	Decahydro-4,4,8,9,10-pentamethylnaphthal					
9.709	741478	19.5	3	91	81258	
2131-42-2	Naphthalene, 1,4,6-trimethyl-					
9.955	563734	14.9	3	90	124872	
	Unknown					
10.078	368593	9.72	3	0	0	
	Unknown					
10.120	383335	10.1	3	0	0	
	Unknown					
10.217	391637	10.3	3	0	0	
54774-89-9	Naphthalene, 2-methyl-1-propyl-					
10.521	349952	9.22	3	90	69357	
	Unknown					
10.665	884905	22.5	4			

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
Unknown						
10.778	516443	13.1	4			
529-5-5 Azulene, 7-ethyl-1,4-dimethyl-						
10.916	339687	8.62	4	93	78827	
Unknown						
10.970	700301	17.8	4	0	0	
Unknown						
10.997	395357	10.0	4	0	0	
Unknown						
11.103	573702	14.6	4			
Unknown						
11.135	682827	17.3	4			
3031-15-0 Naphthalene, 1,2,3,4-tetramethyl-						
11.167	506317	12.9	4	91	74149	
Unknown alkane						
11.467	553661	14.1	4	0	0	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 2 Naphthalene-d8	7.524	1033499	40.0
* 3 Acenaphthene-d10	9.805	1517589	40.0
* 4 Phenanthrene-d10	11.509	1575363	40.0

QC Flag Legend

Processing Flags

Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File:

\\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

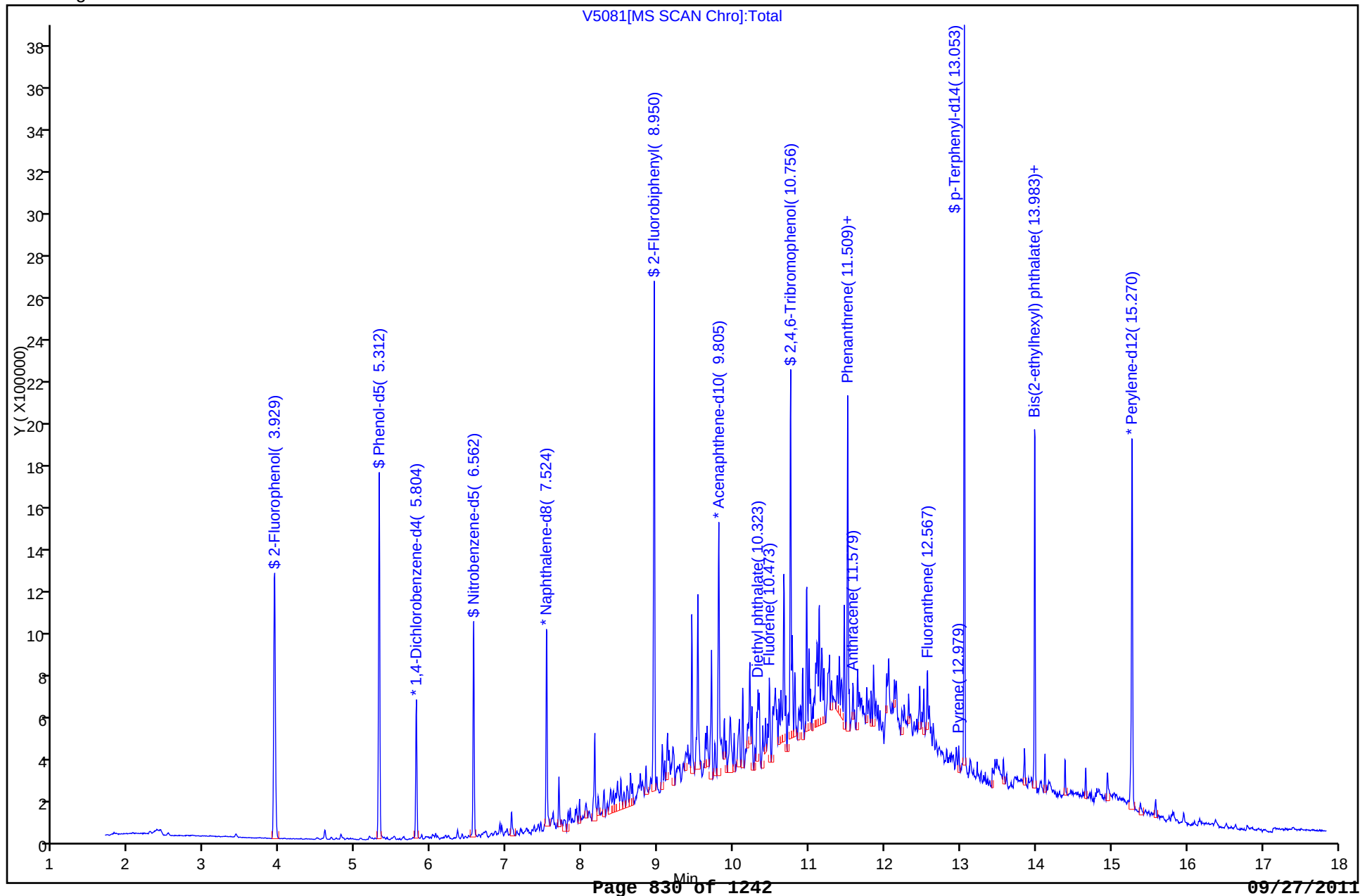
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

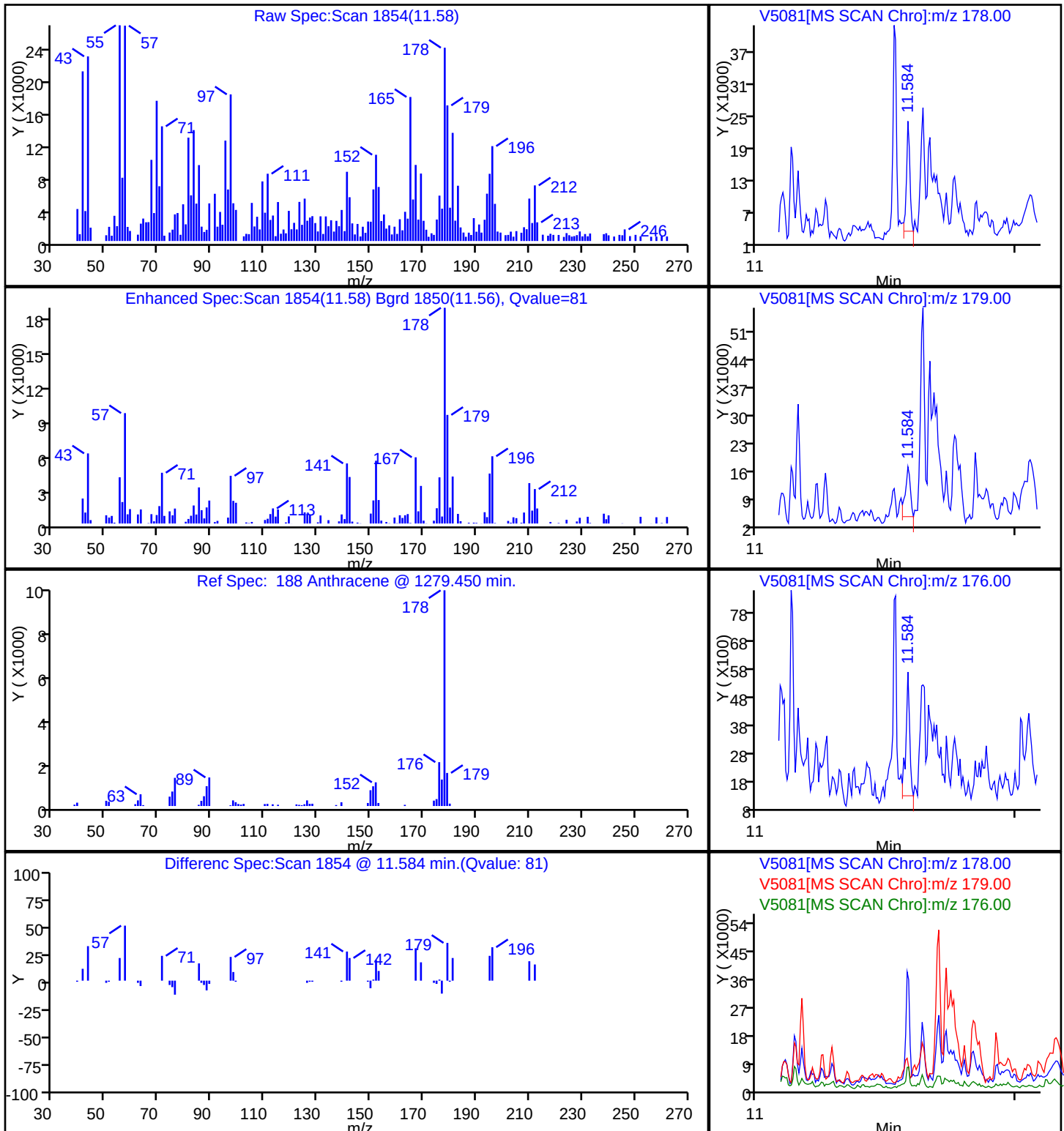
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

188 Anthracene



Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

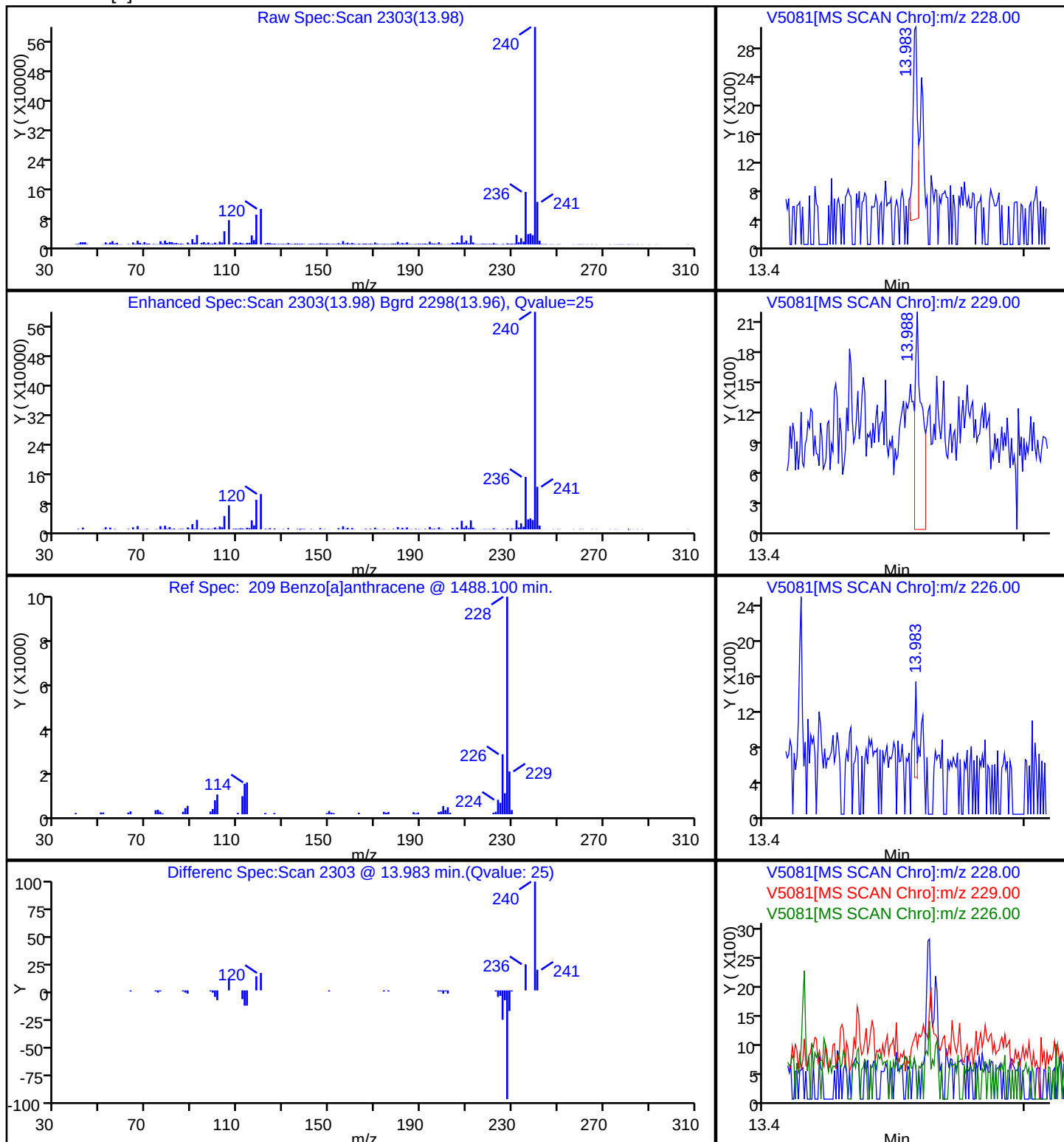
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

209 Benzo[a]anthracene



Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

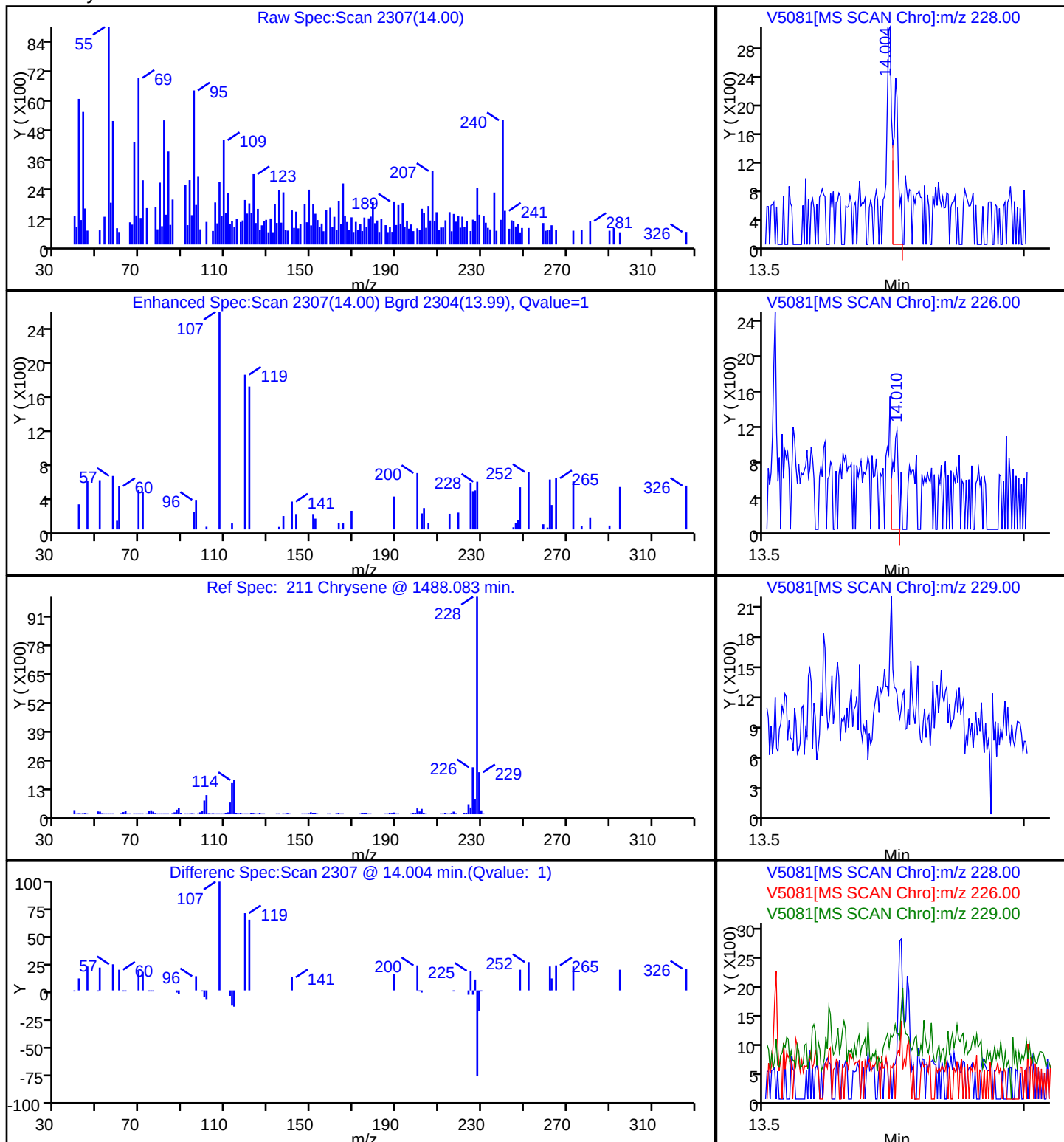
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

211 Chrysene



Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

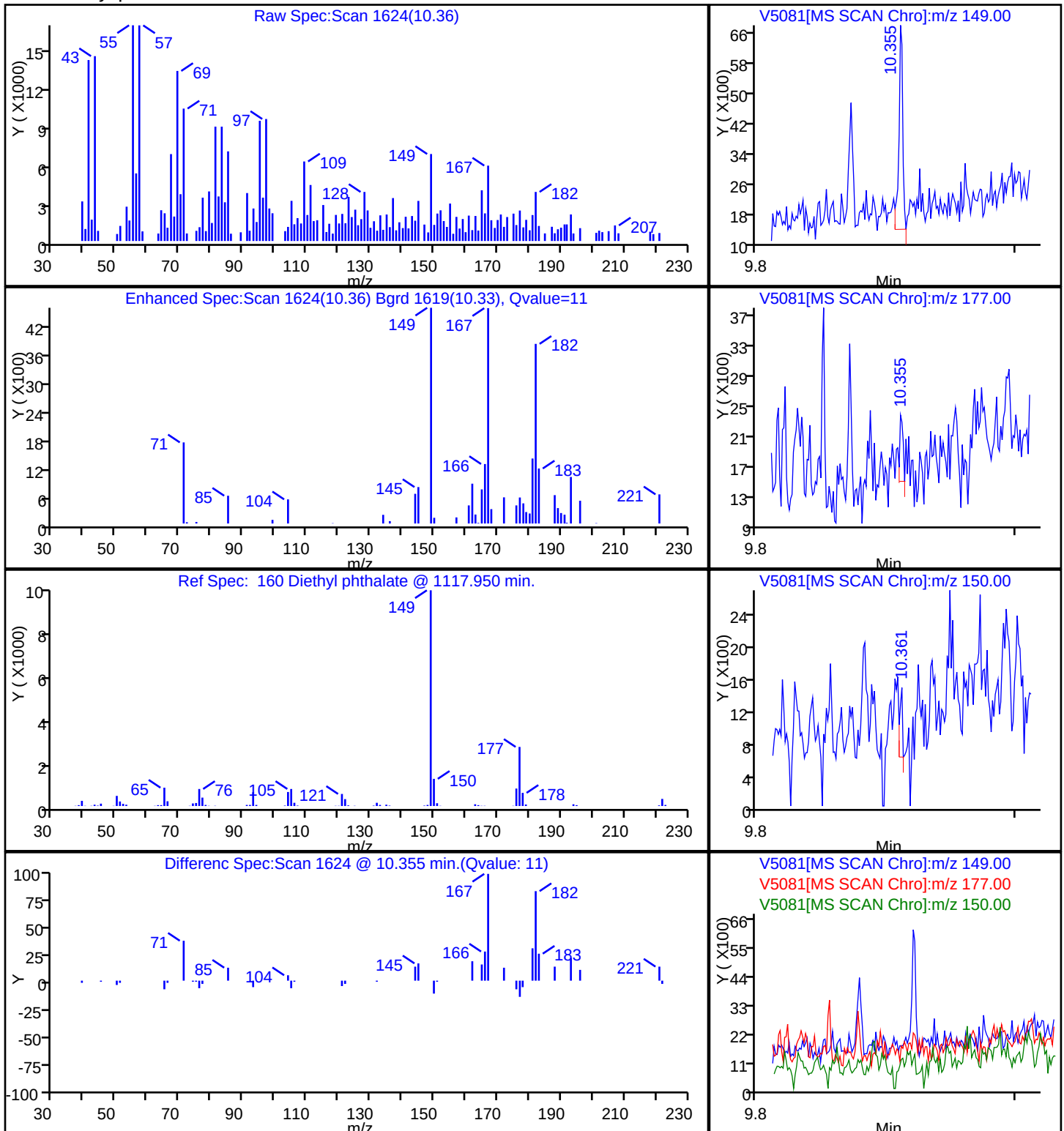
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

160 Diethyl phthalate



Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

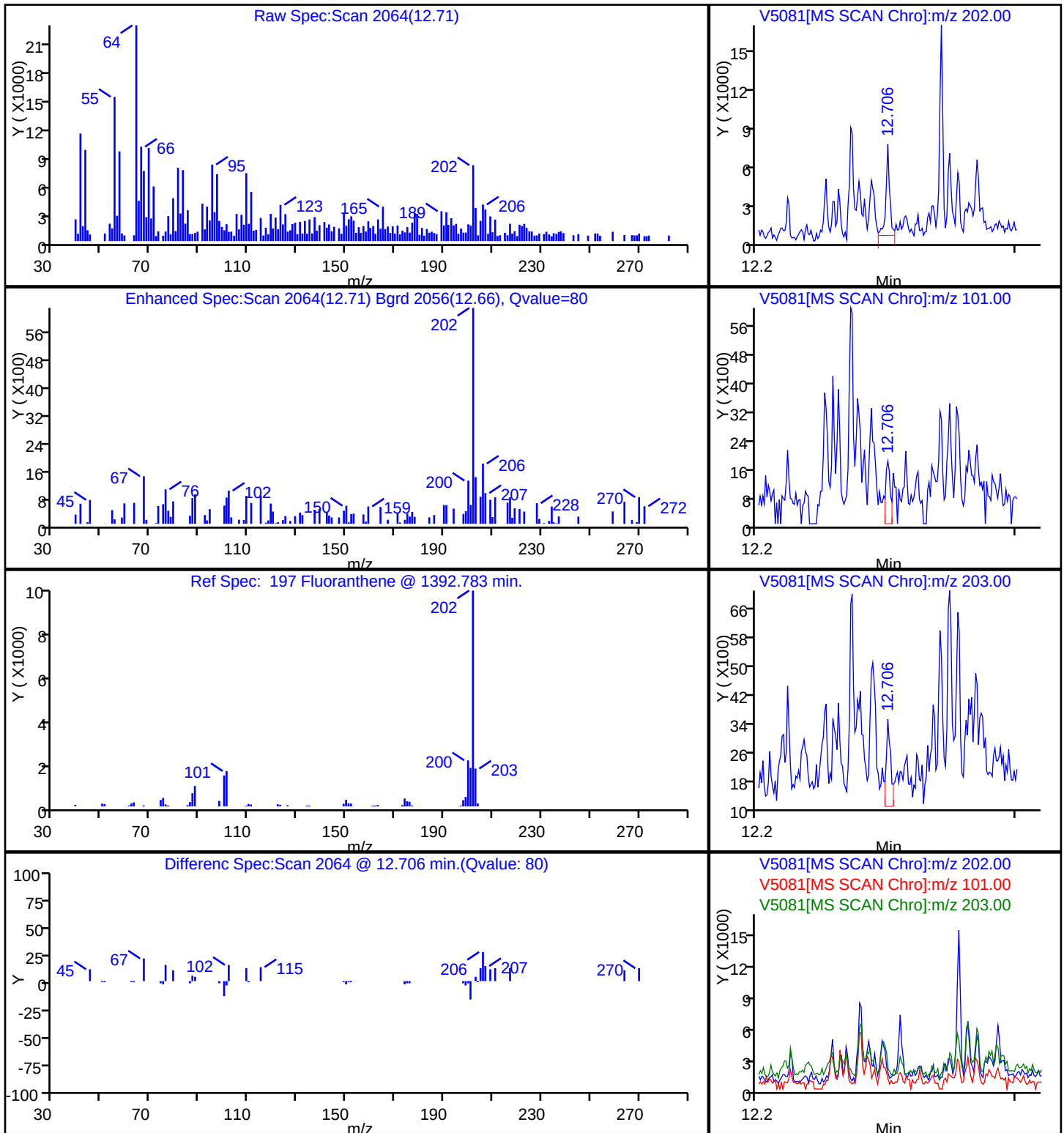
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

197 Fluoranthene



Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

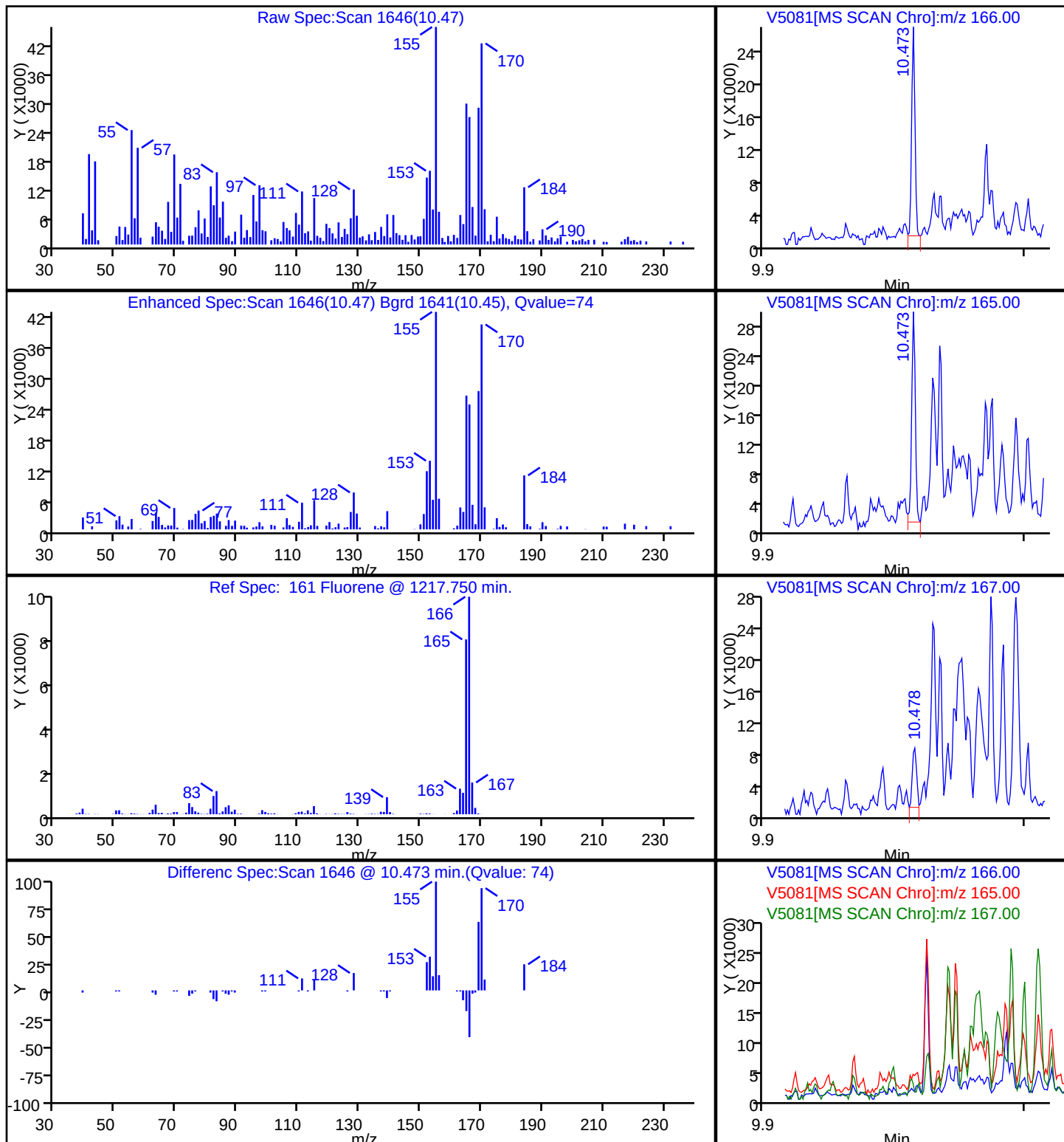
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

161 Fluorene



Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

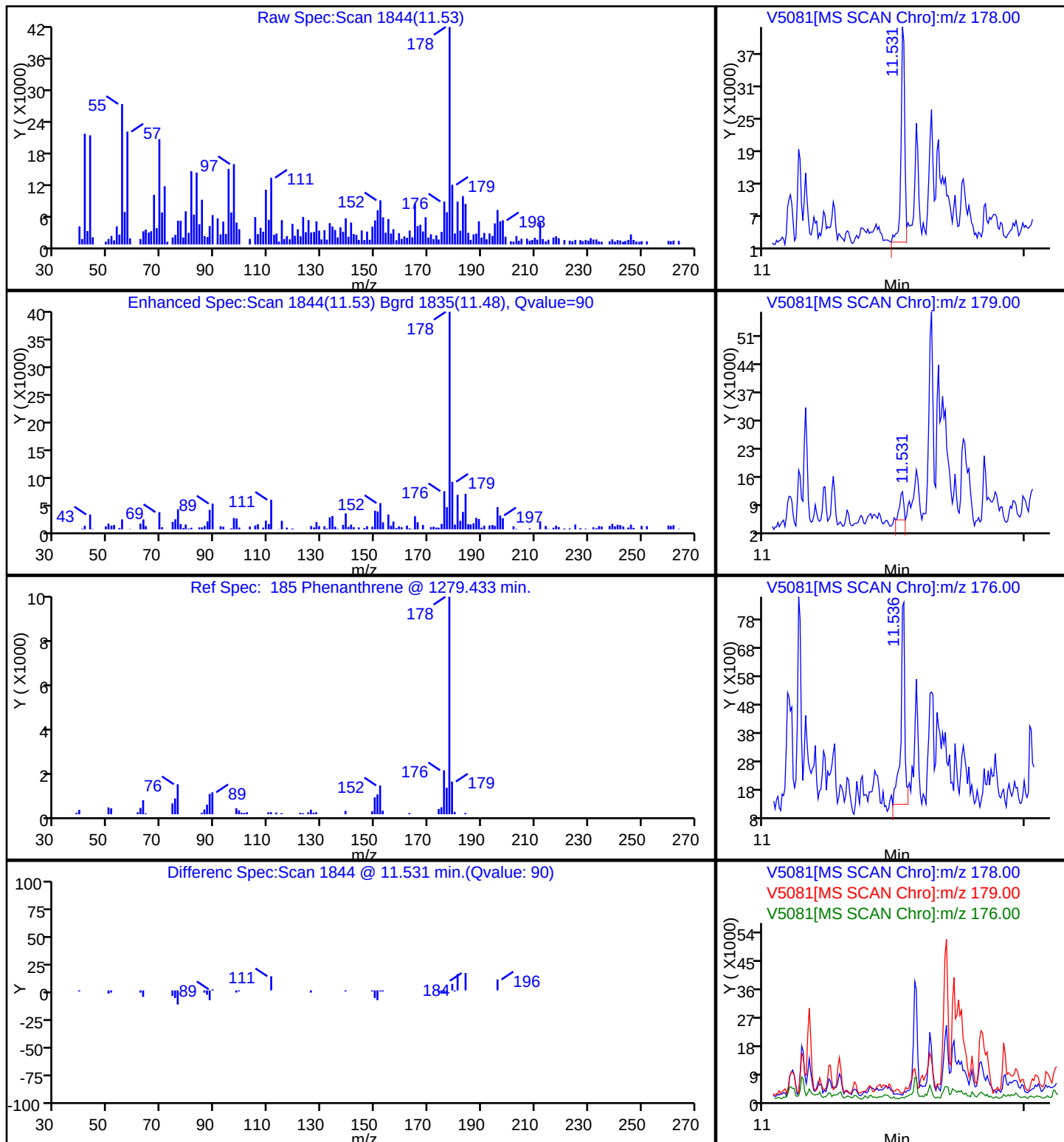
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

185 Phenanthrene



Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

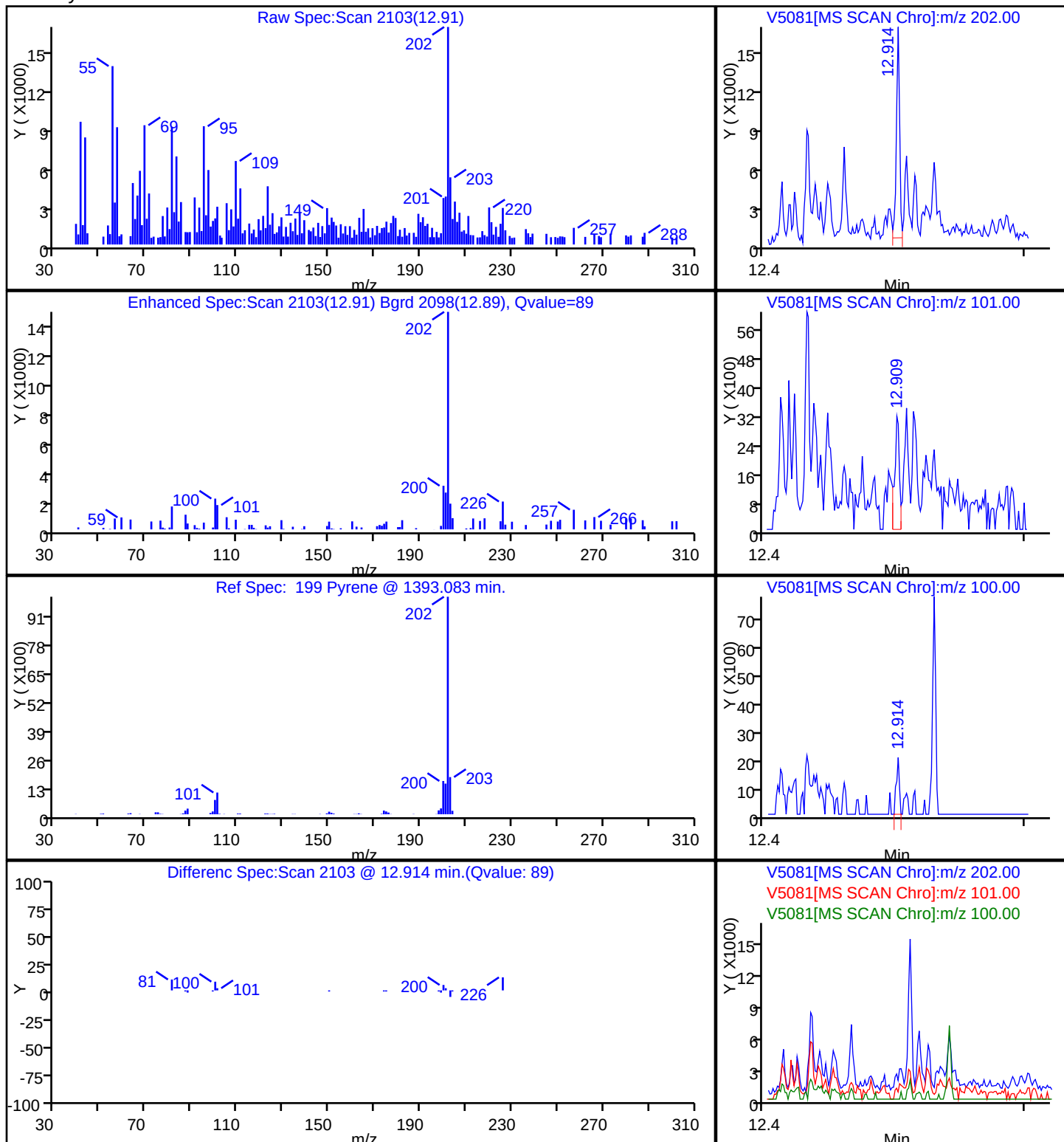
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

199 Pyrene



Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

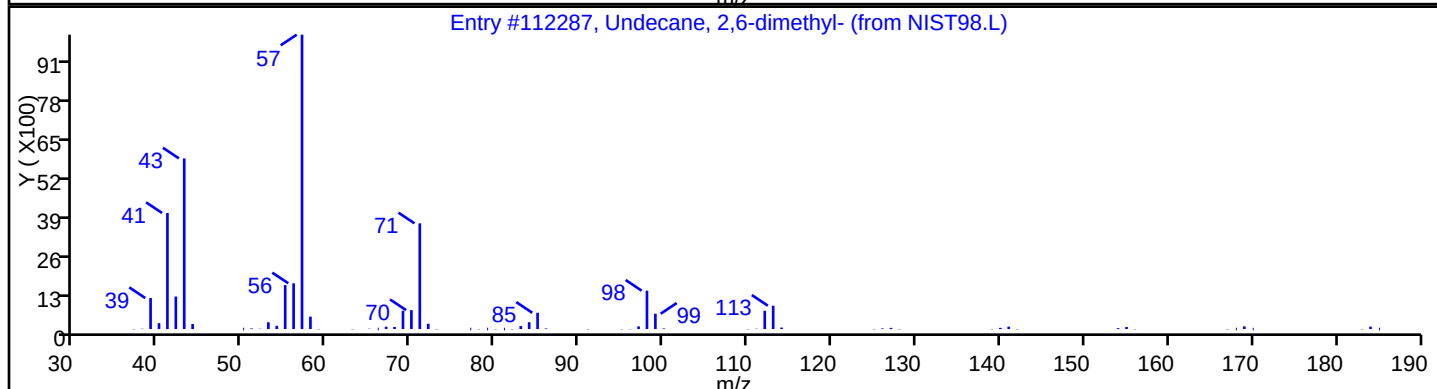
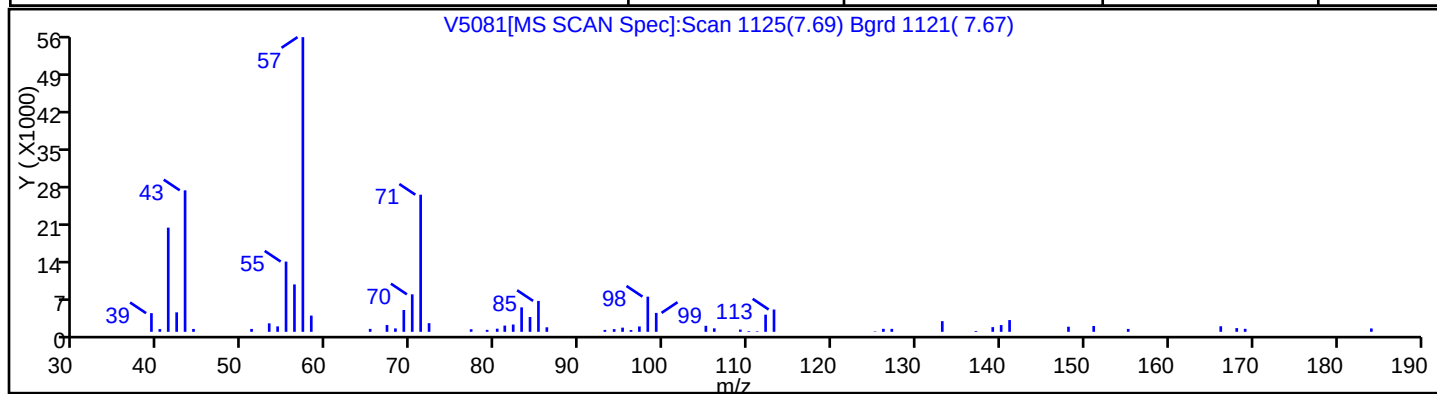
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Undecane, 2,6-dimethyl-	17301-23-4	NIST98.L	112287	93



Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

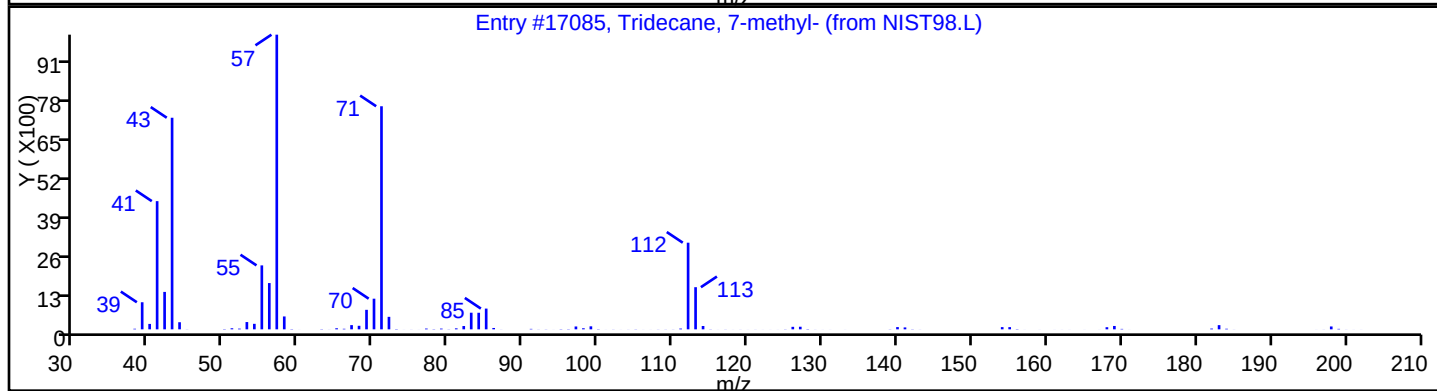
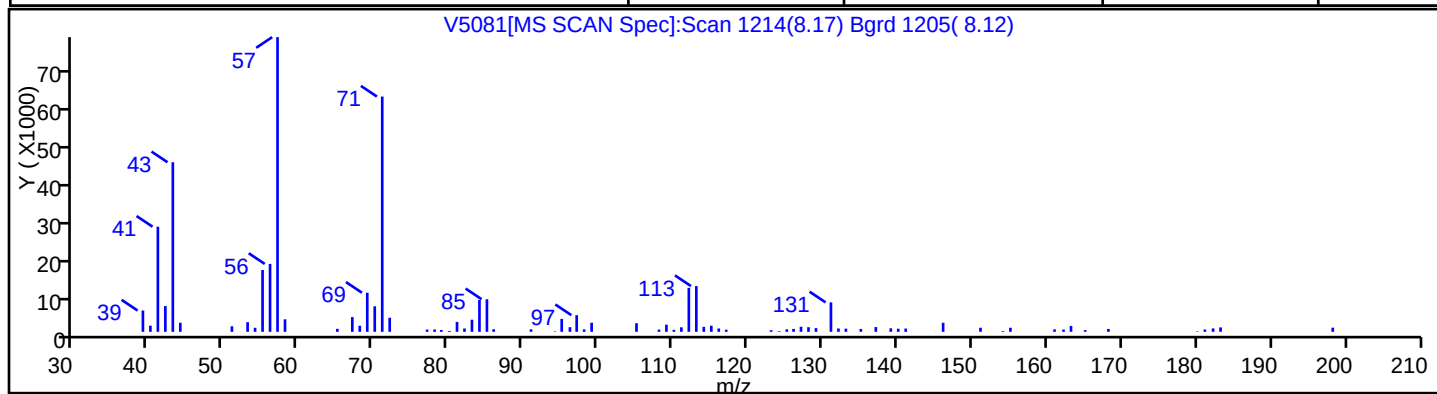
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tridecane, 7-methyl-	26730-14-3	NIST98.L	17085	87



Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

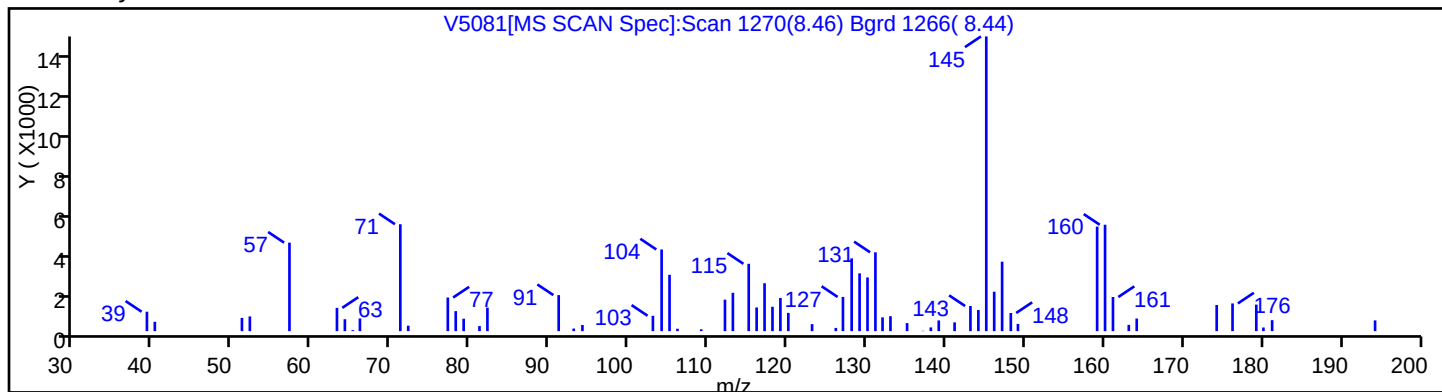
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

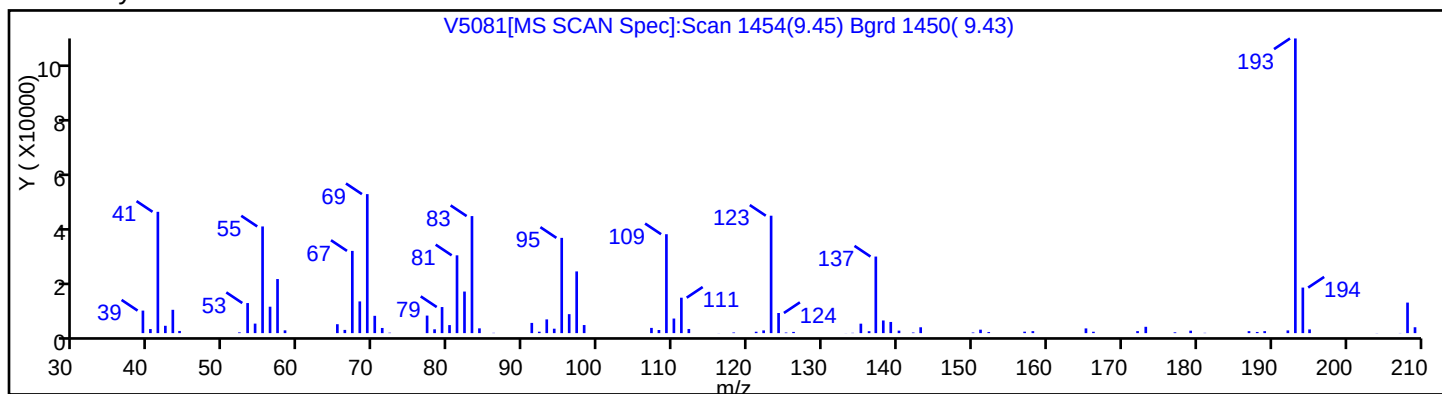
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

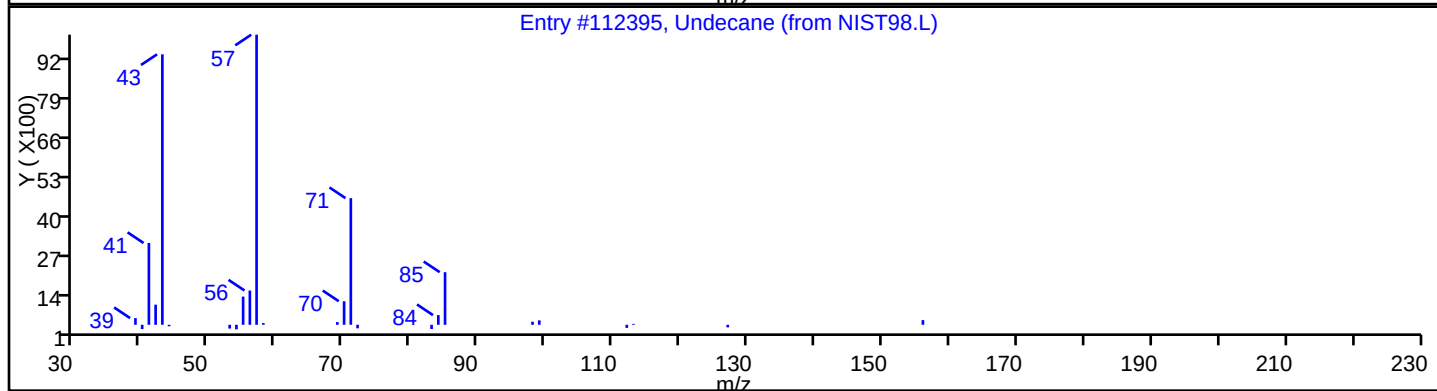
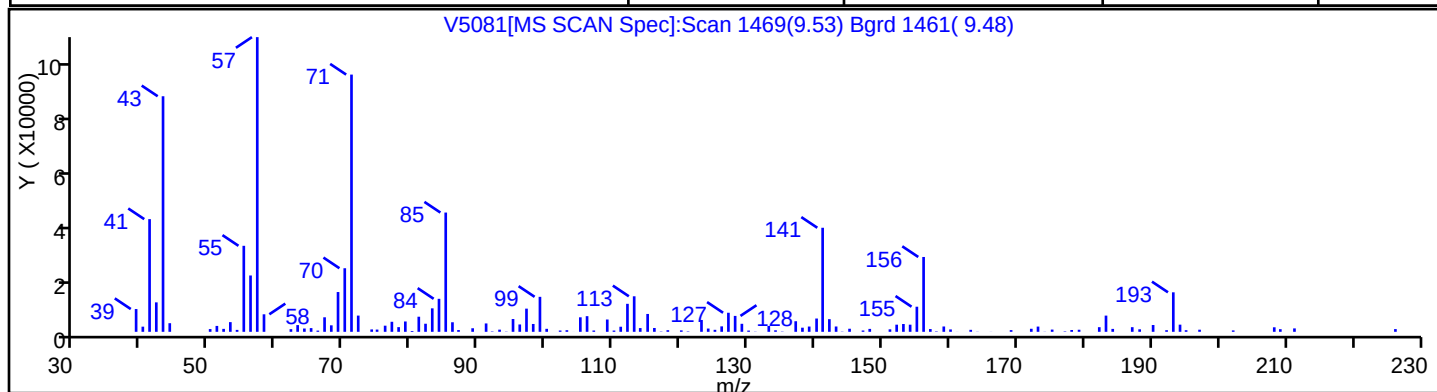
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Undecane	1120-21-4	NIST98.L	112395	91



Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

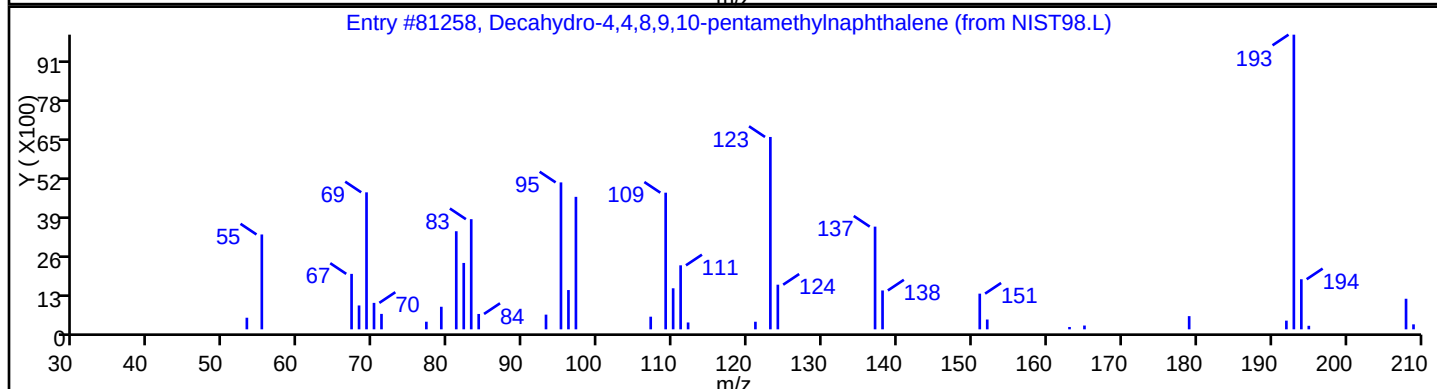
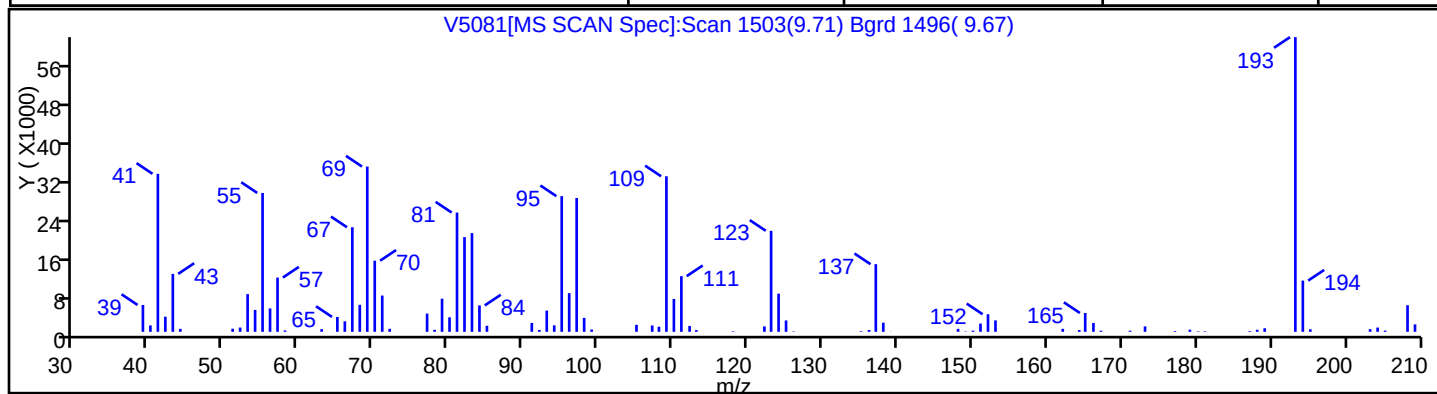
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Decahydro-4,4,8,9,10-pentamethylnaphthal	80655-44-3	NIST98.L	81258	91



Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

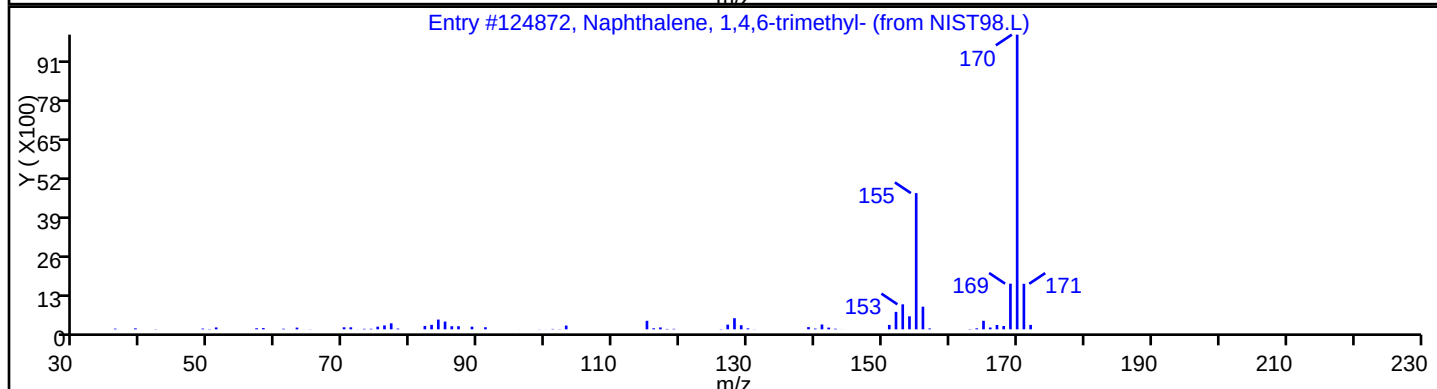
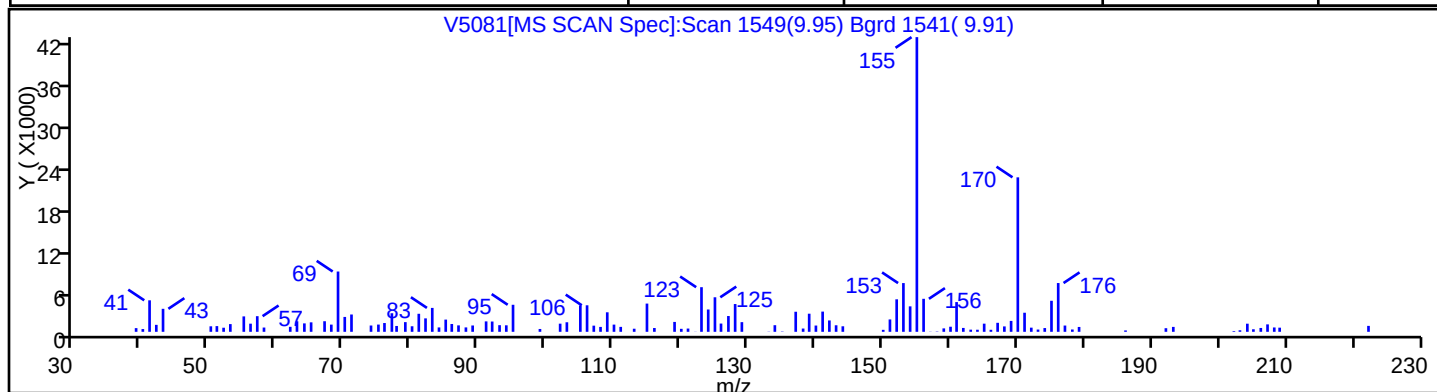
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NIST98.L	124872	90



Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

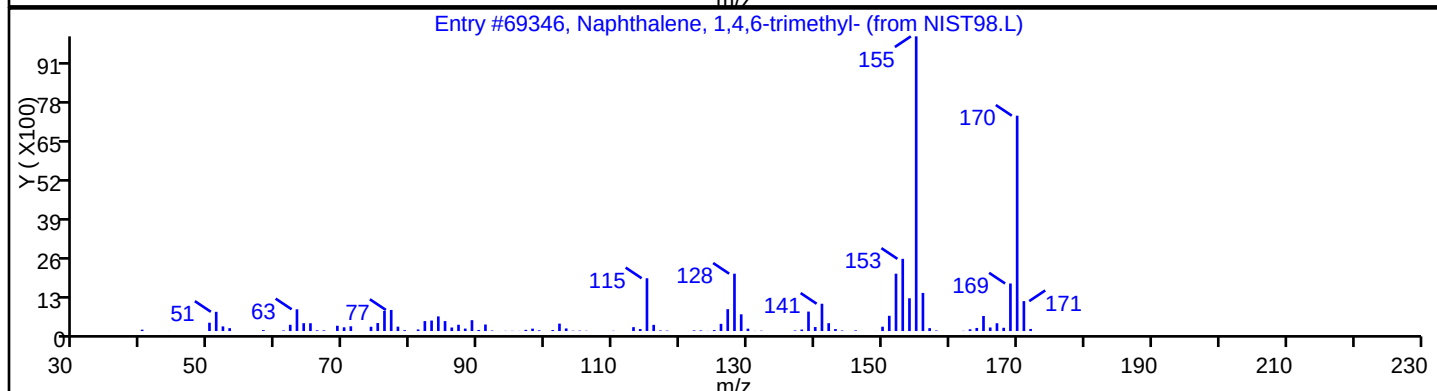
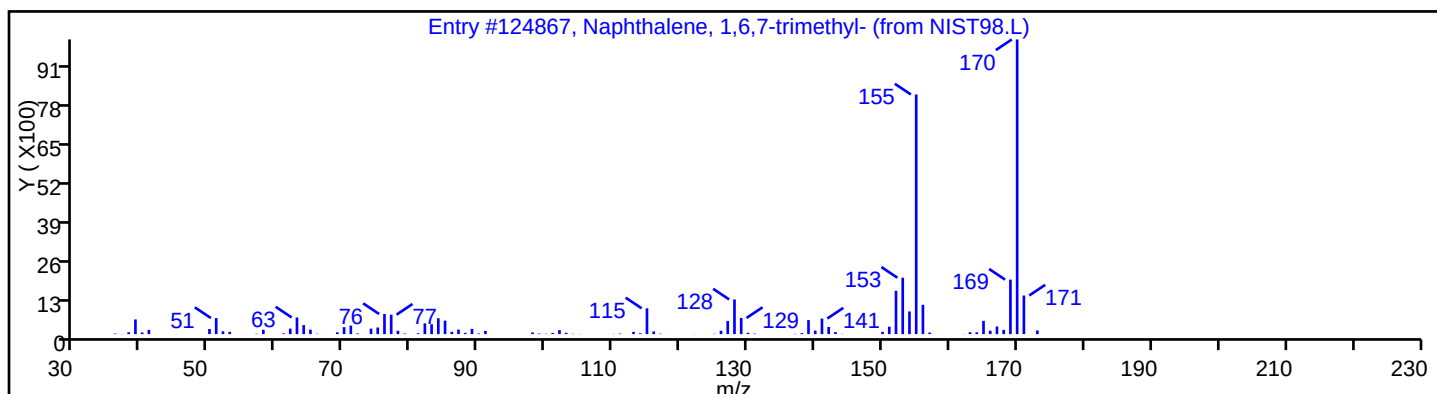
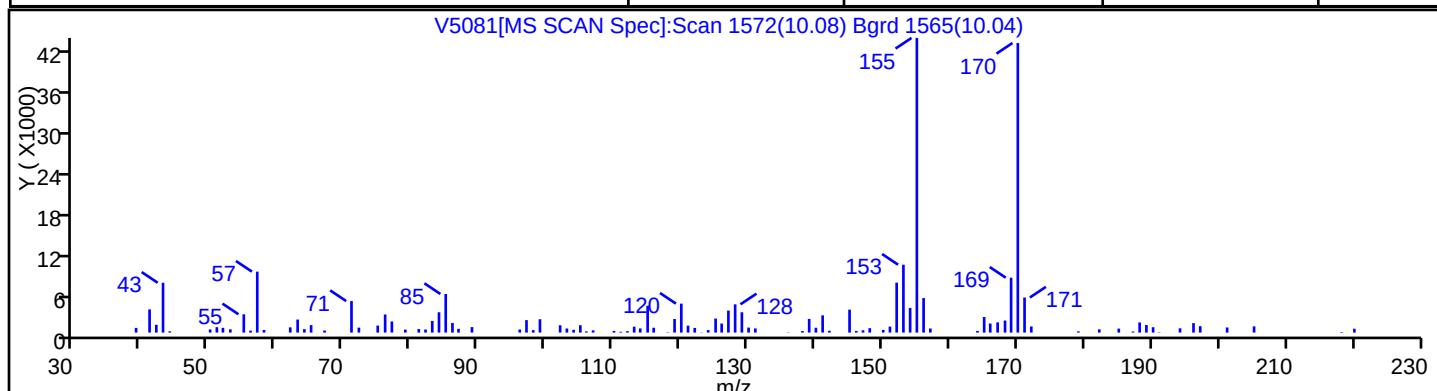
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Naphthalene, 1,6,7-trimethyl-	2245-38-7	NIST98.L	124867	96
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NIST98.L	69346	93



Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

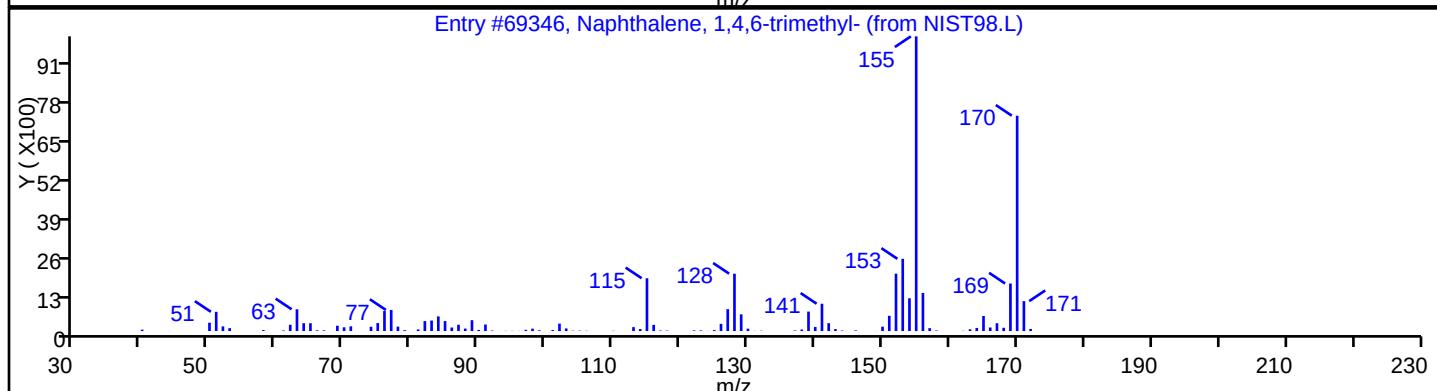
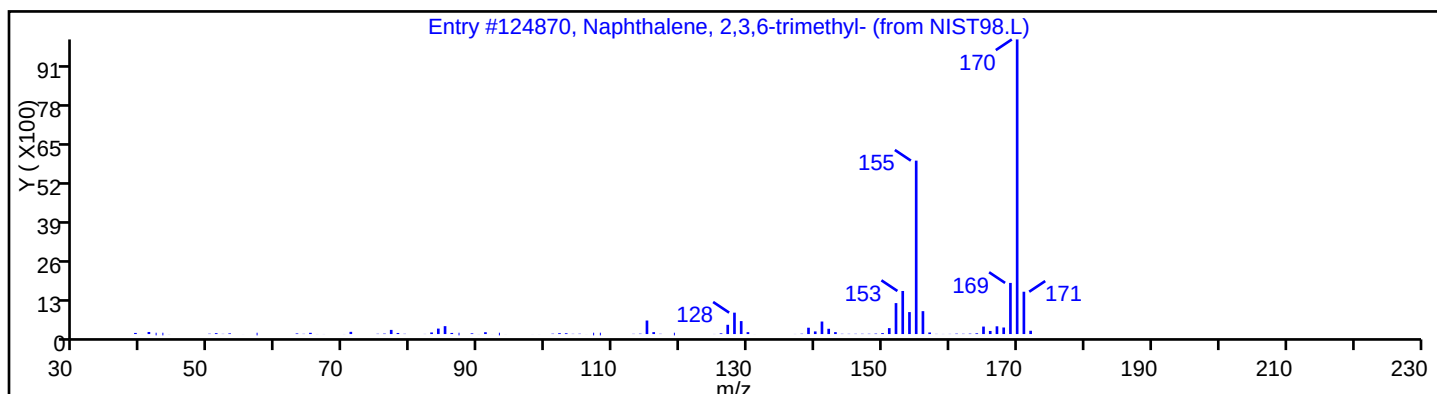
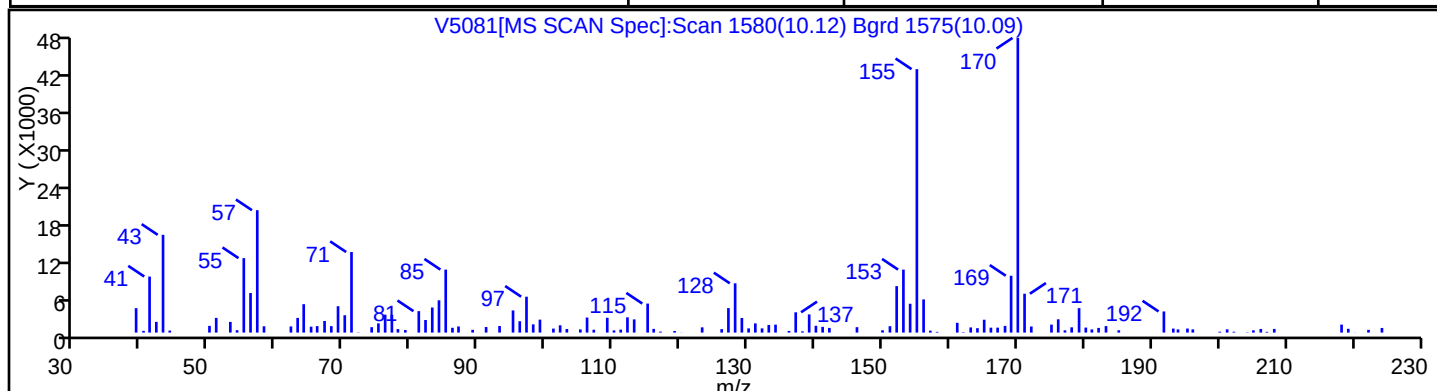
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Naphthalene, 2,3,6-trimethyl-	829-26-5	NIST98.L	124870	95
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NIST98.L	69346	93



Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File:

\\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

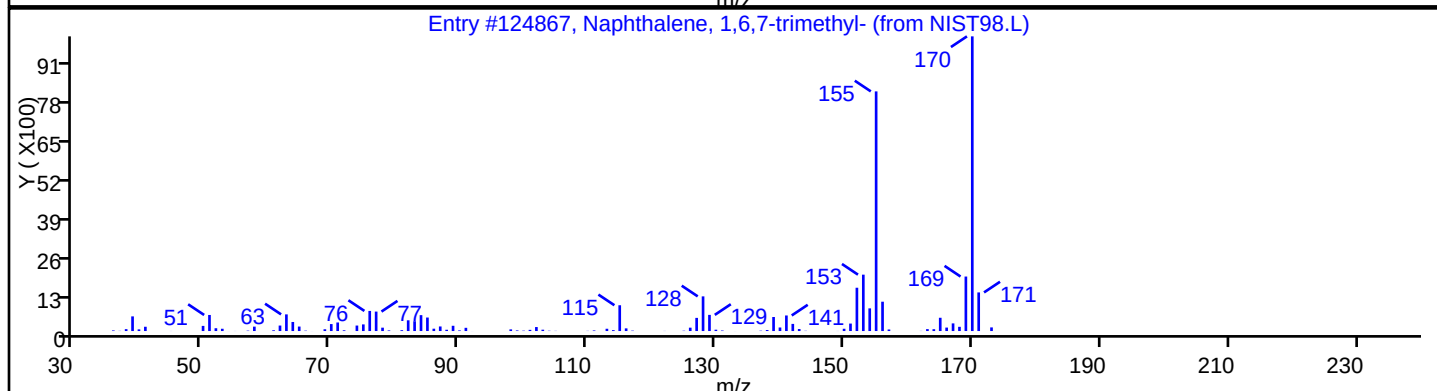
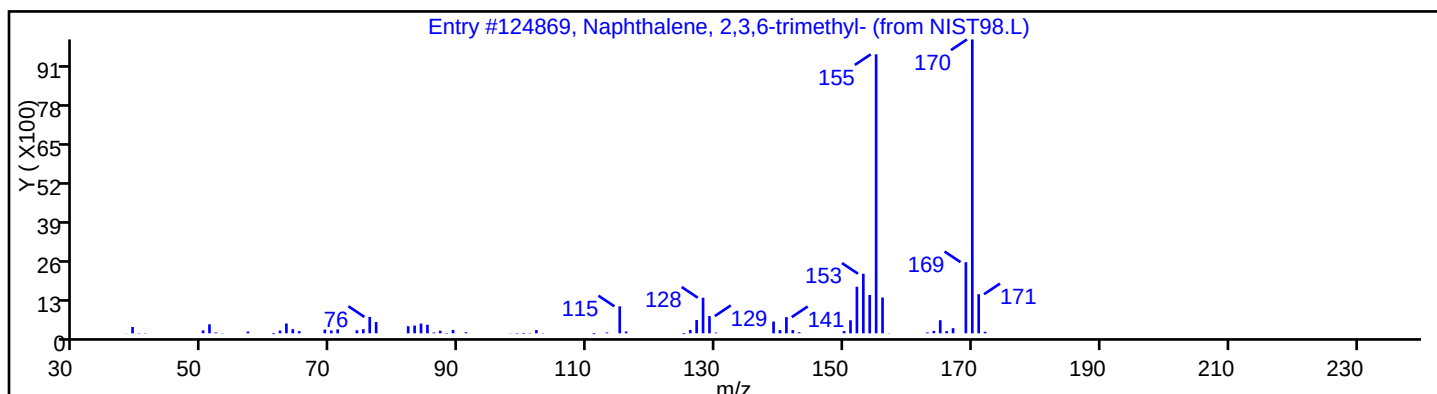
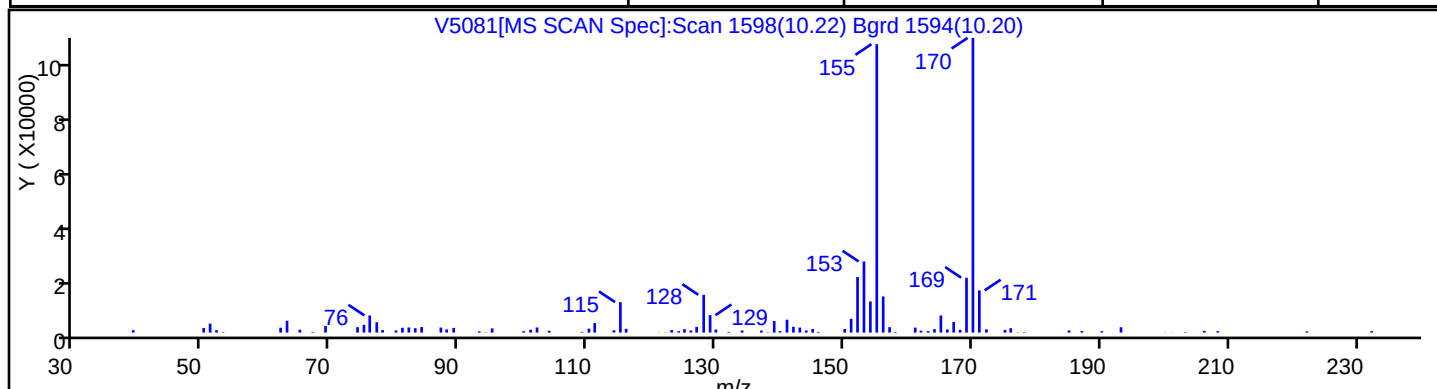
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Naphthalene, 2,3,6-trimethyl-	829-26-5	NIST98.L	124869	94
Naphthalene, 1,6,7-trimethyl-	2245-38-7	NIST98.L	124867	94



Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File:

\\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

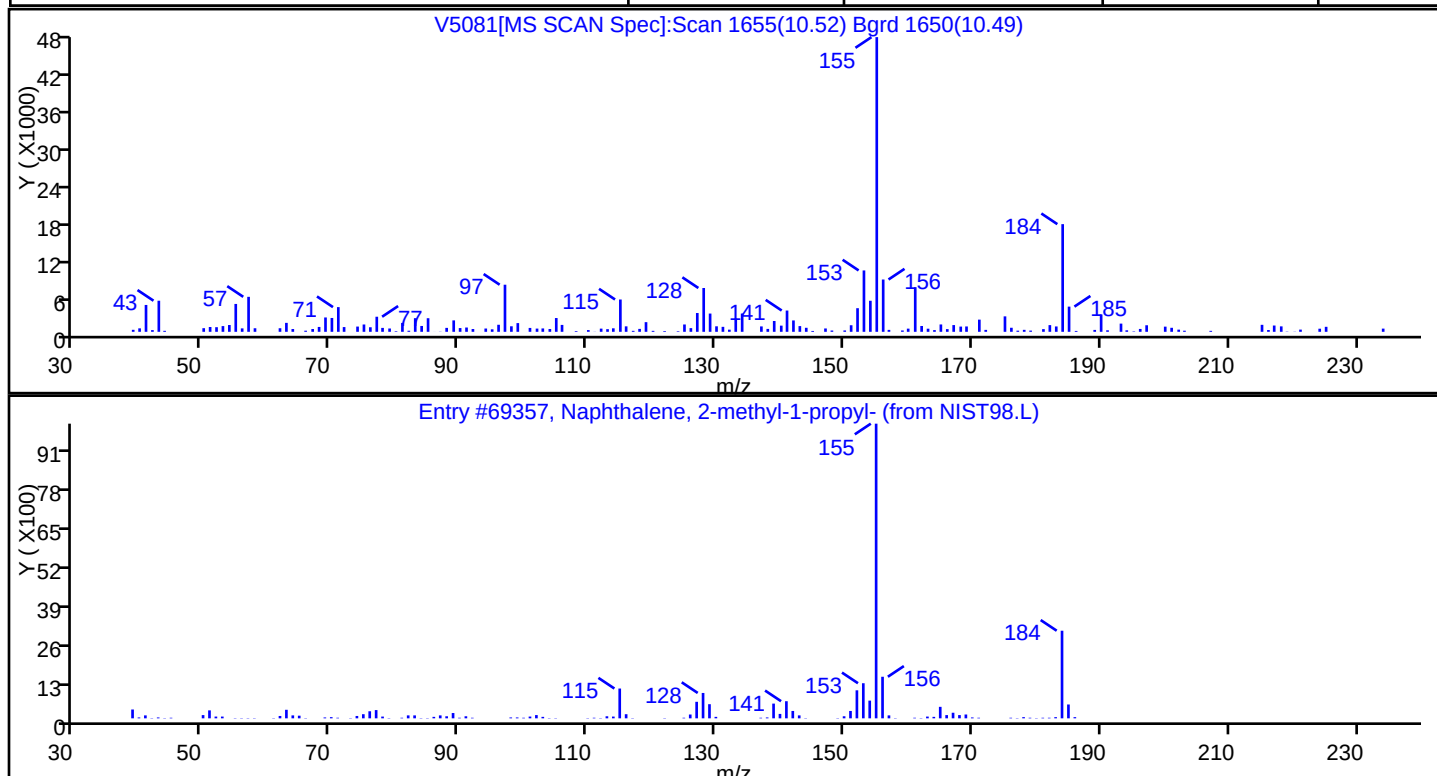
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Naphthalene, 2-methyl-1-propyl-	54774-89-9	NIST98.L	69357	90



Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

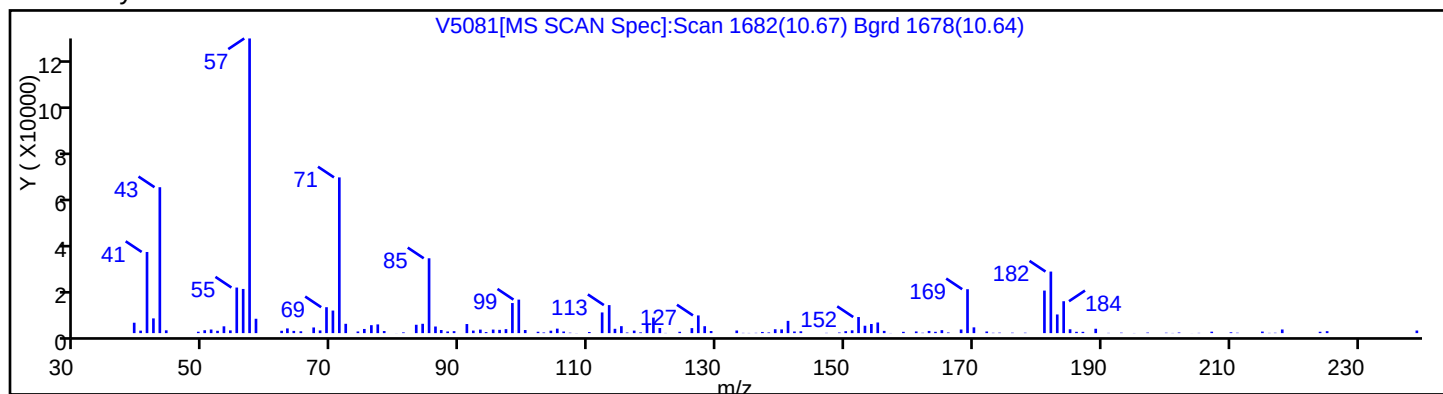
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

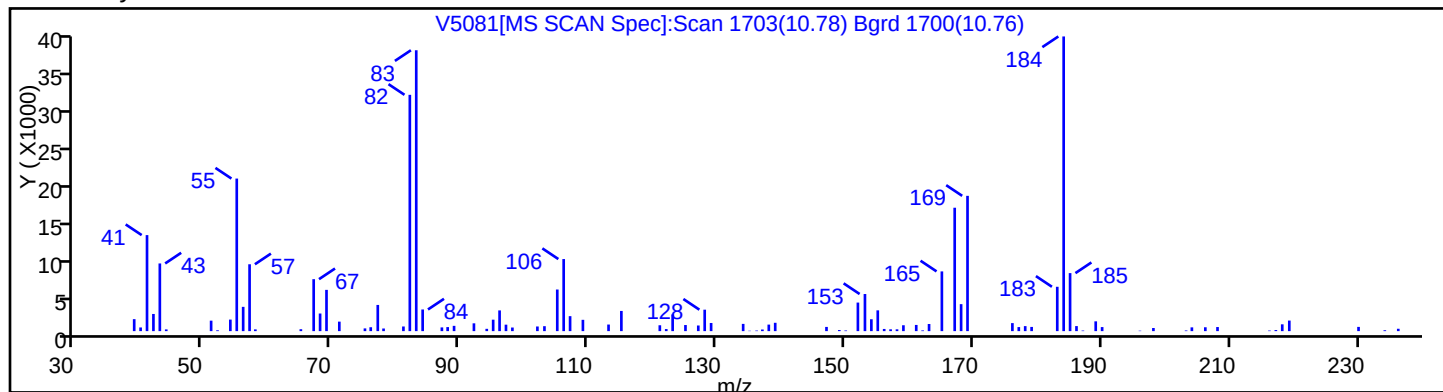
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

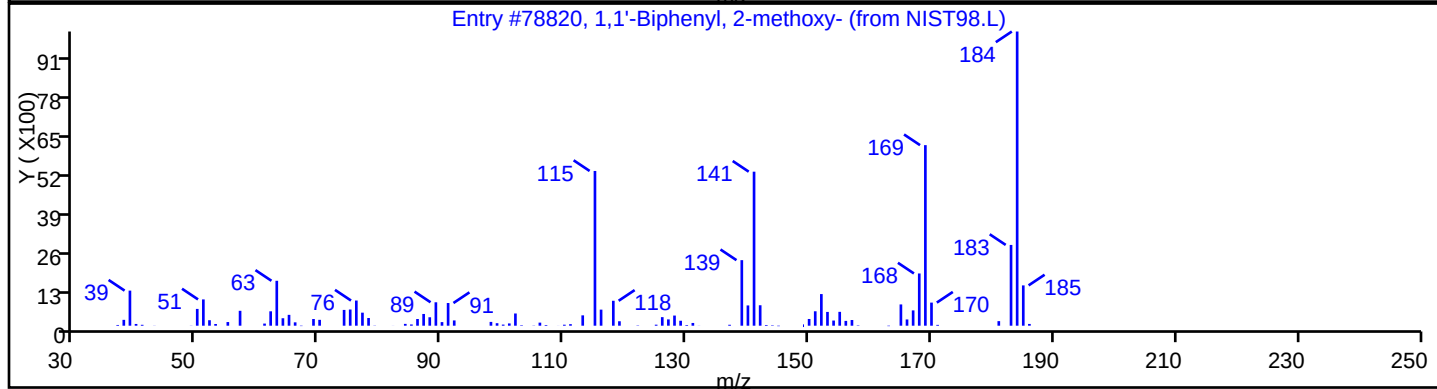
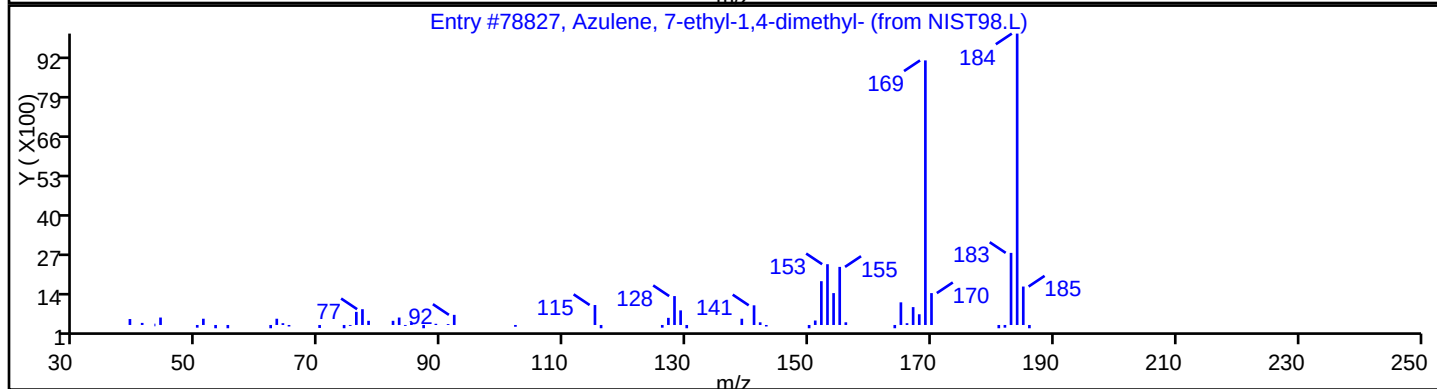
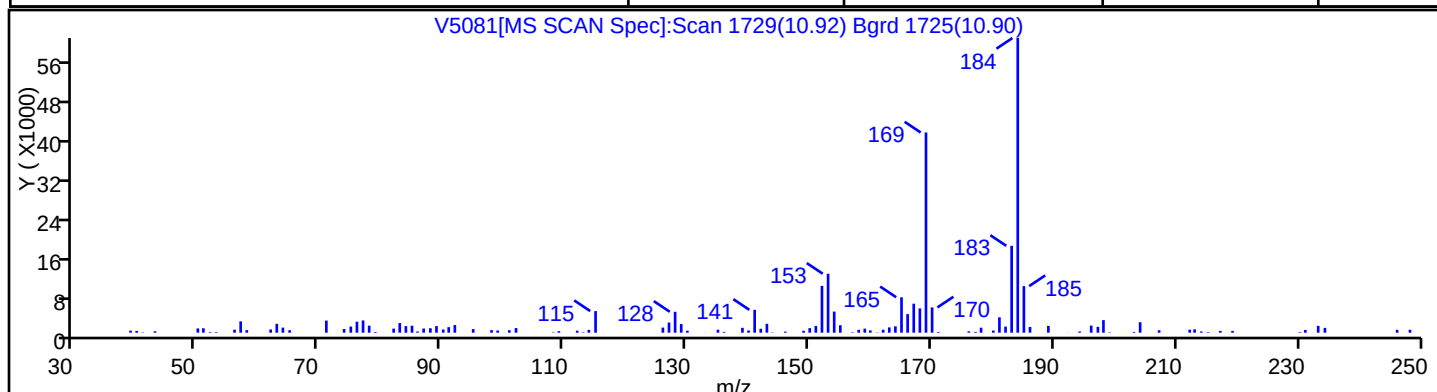
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Azulene, 7-ethyl-1,4-dimethyl-	529-5-5	NIST98.L	78827	93
1,1'-Biphenyl, 2-methoxy-	86-26-0	NIST98.L	78820	86



Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

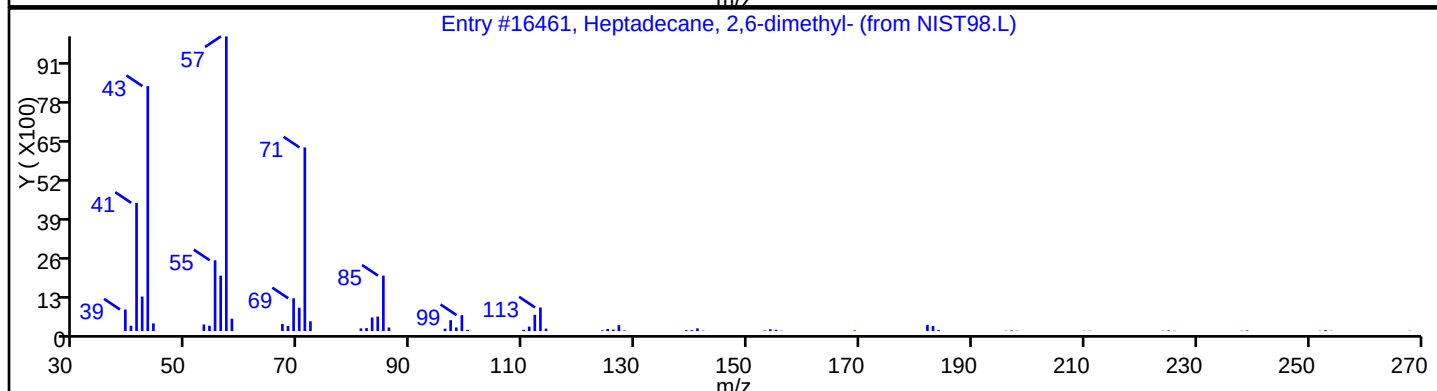
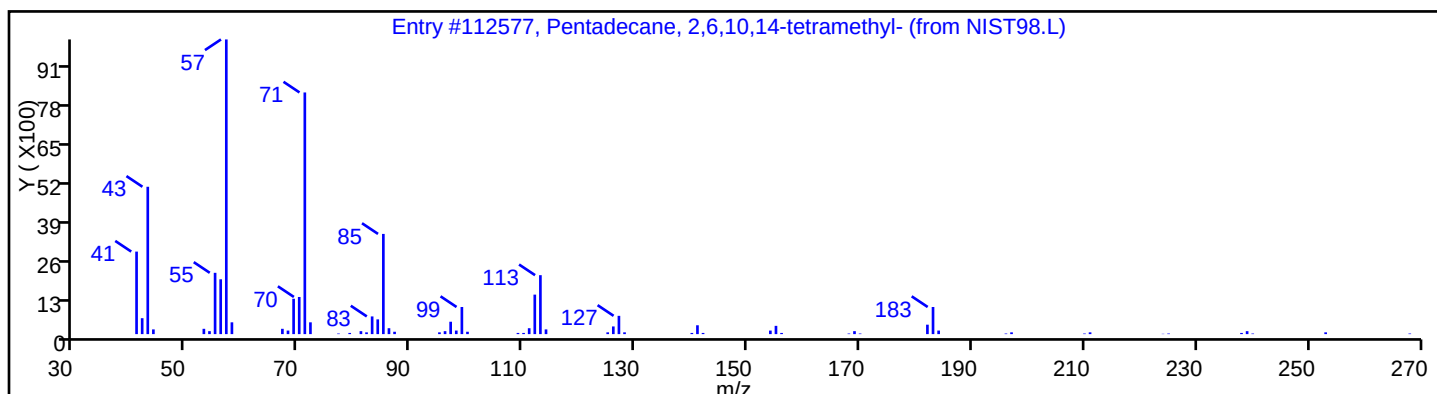
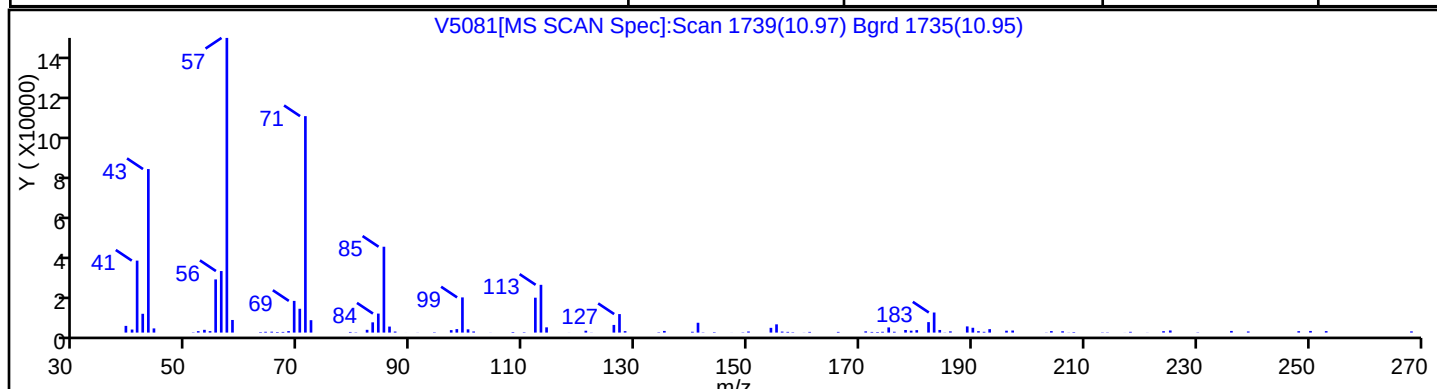
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Pentadecane, 2,6,10,14-tetramethyl-	1921-70-6	NIST98.L	112577	93
Heptadecane, 2,6-dimethyl-	54105-67-8	NIST98.L	16461	91



Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

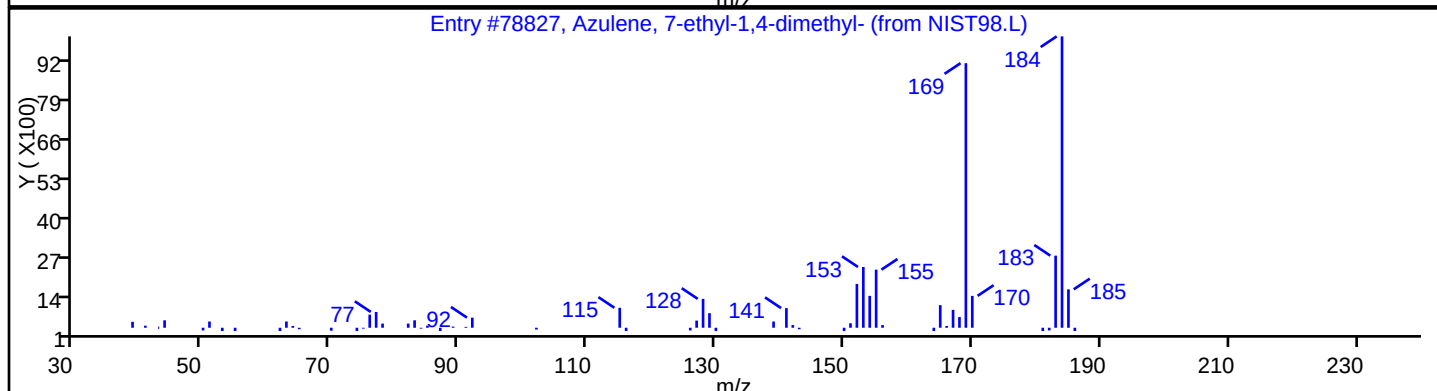
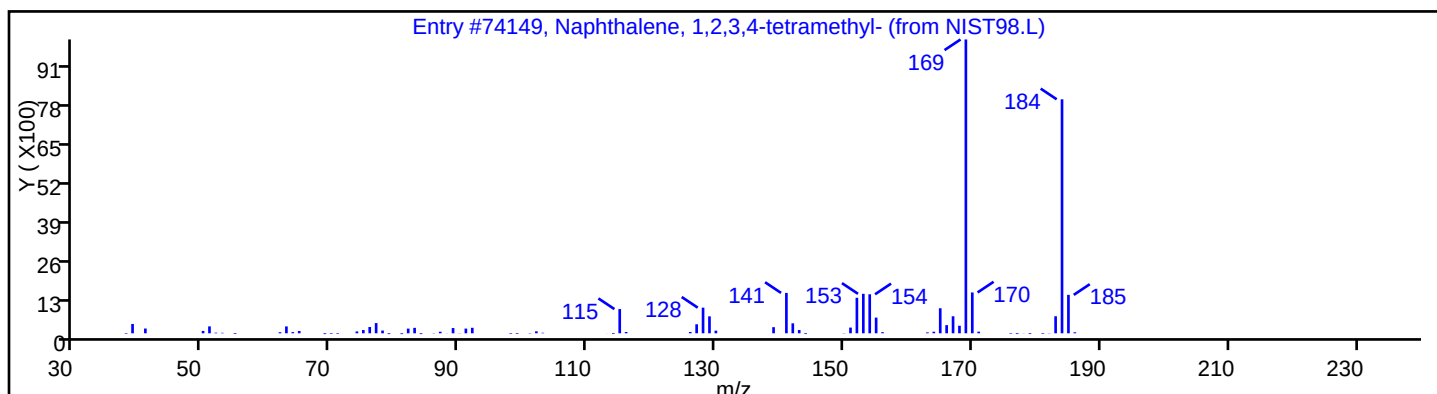
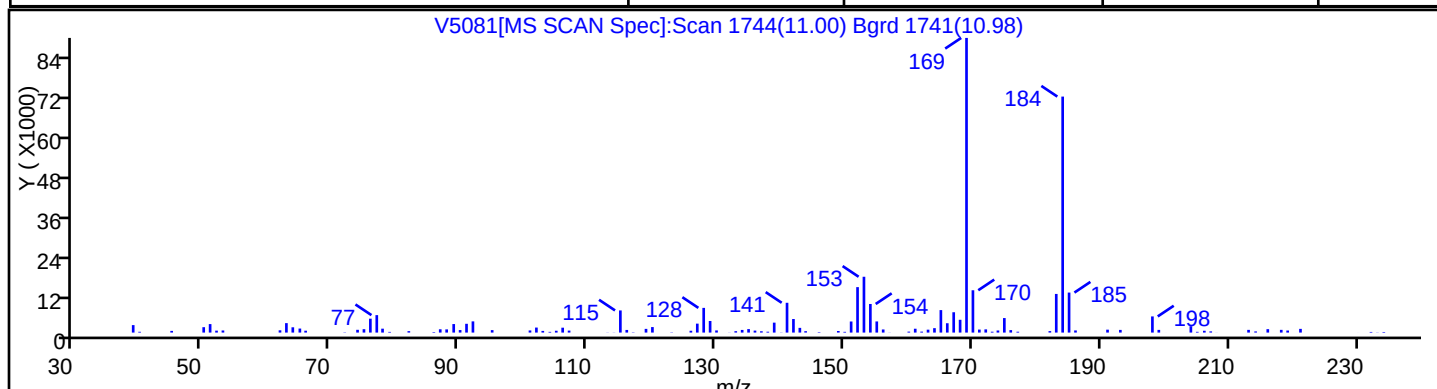
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Naphthalene, 1,2,3,4-tetramethyl-	3031-15-0	NIST98.L	74149	97
Azulene, 7-ethyl-1,4-dimethyl-	529-5-5	NIST98.L	78827	93



Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

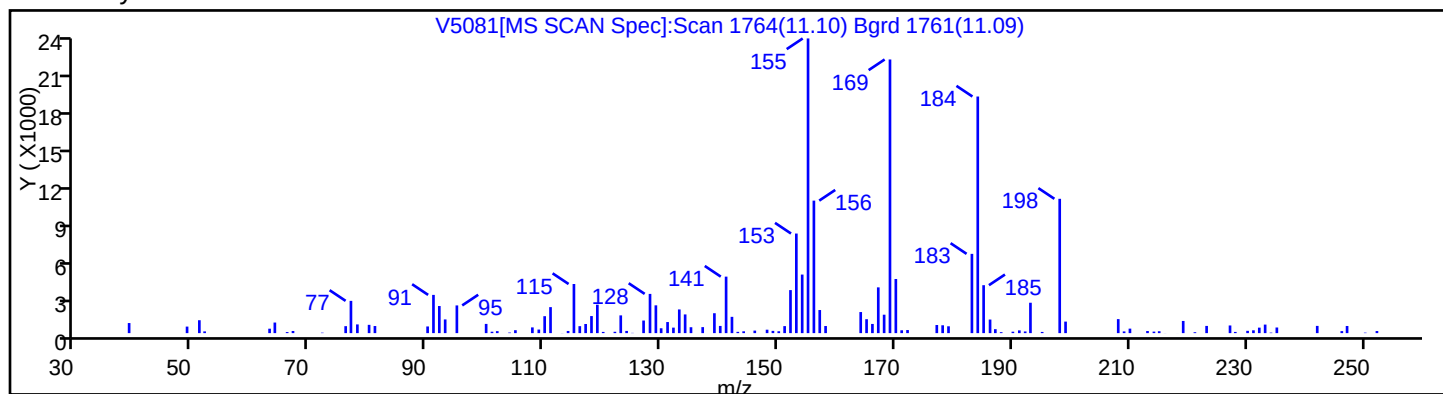
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

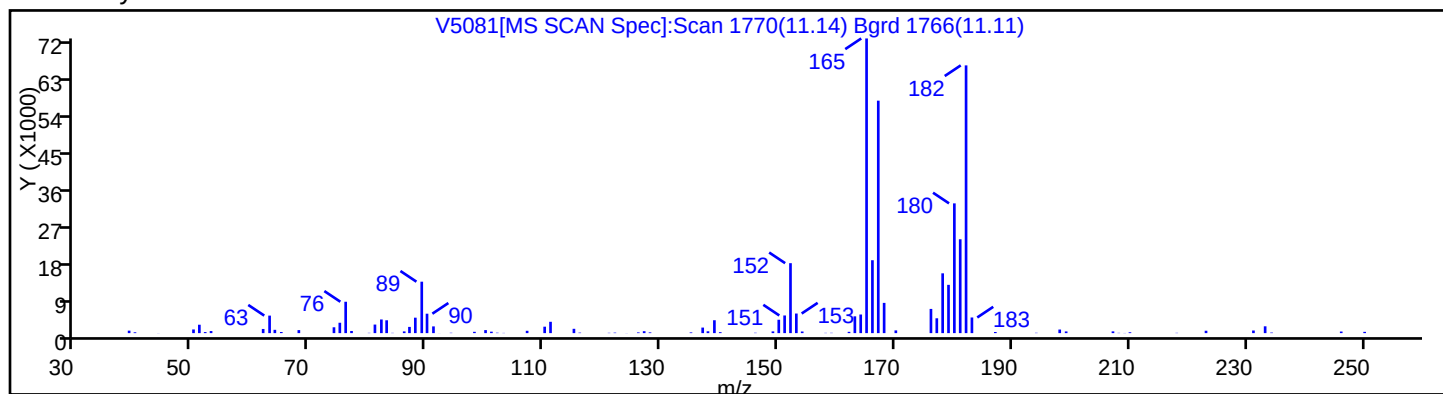
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

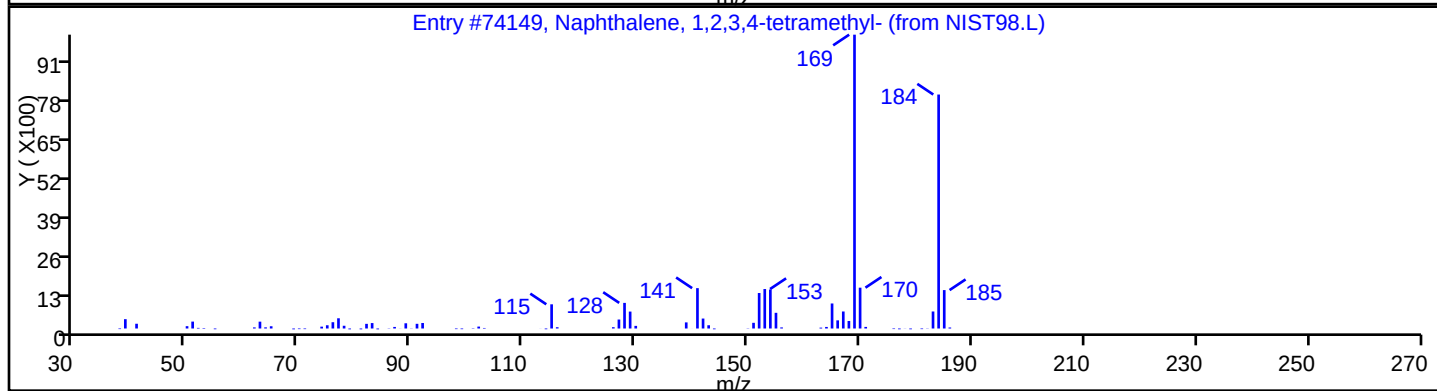
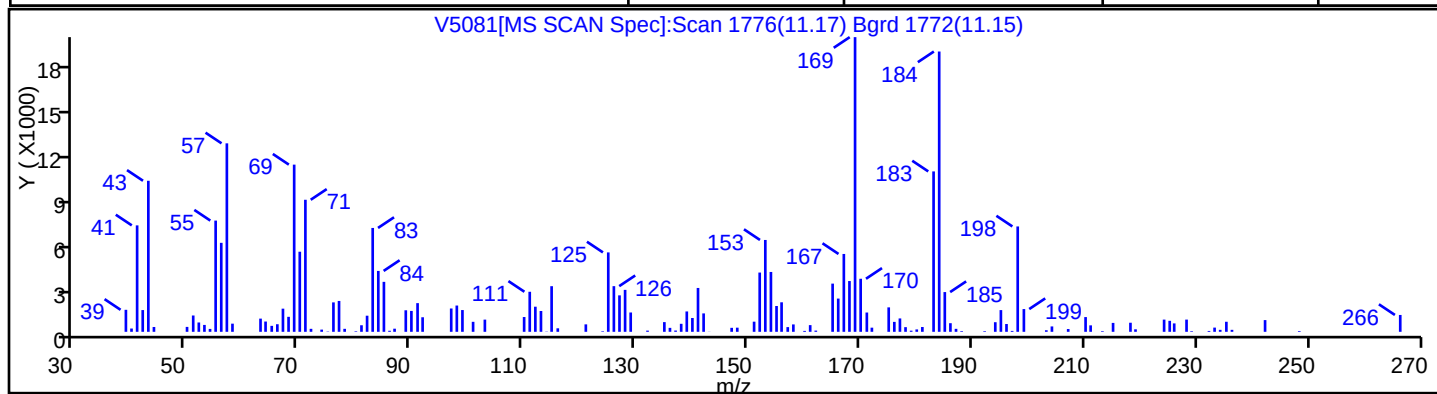
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Naphthalene, 1,2,3,4-tetramethyl-	3031-15-0	NIST98.L	74149	91



Report Date: 16-Sep-2011 10:24:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5081.D

Injection Date: 15-Sep-2011 17:29:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 24

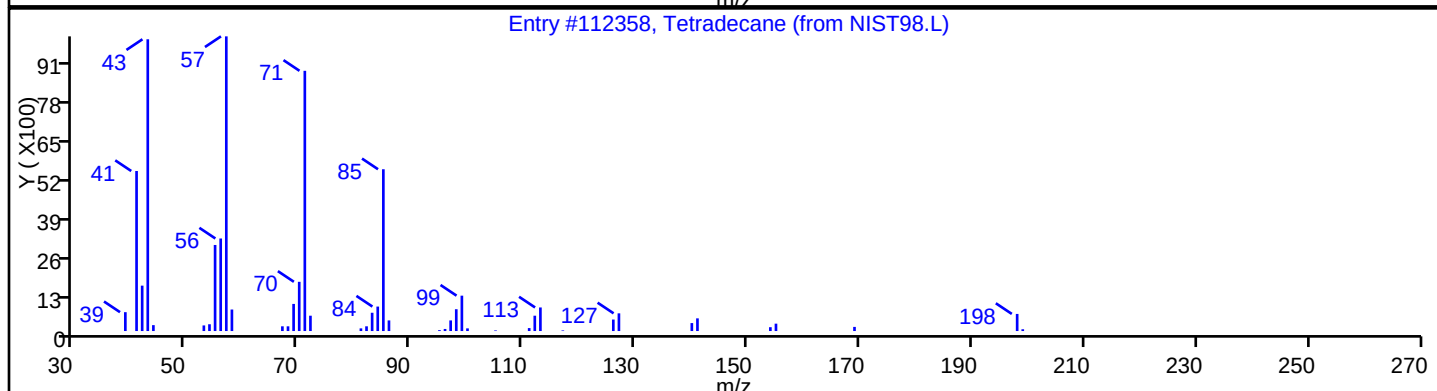
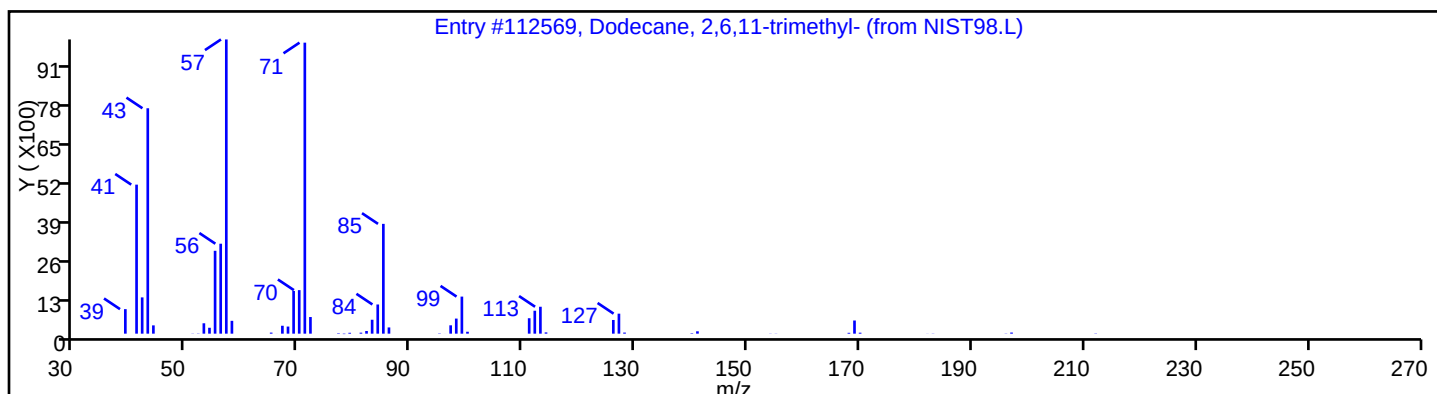
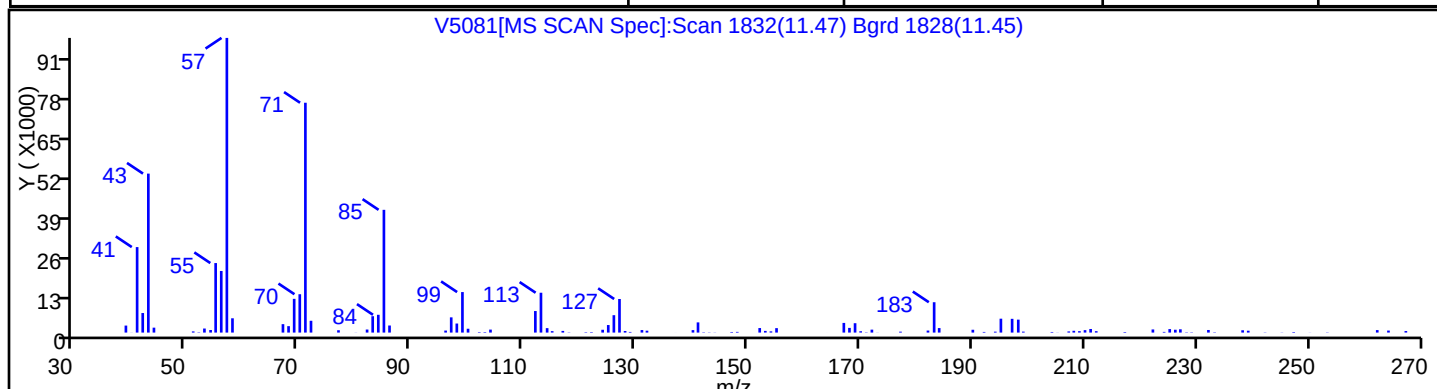
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown alkane		NIST98.L	0	0
Dodecane, 2,6,11-trimethyl-	31295-56-4	NIST98.L	112569	92
Tetradecane	629-59-4	NIST98.L	112358	91



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-B2 (3-4)</u>	Lab Sample ID: <u>480-9503-7</u>
Matrix: <u>Solid</u>	Lab File ID: <u>V5125.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/07/2011 09:45</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/12/2011 11:09</u>
Sample wt/vol: <u>+30.32(g)</u>	Date Analyzed: <u>09/16/2011 14:52</u>
Con. Extract Vol.: <u>10(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>17.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>31527</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		2000	440
88-06-2	2,4,6-Trichlorophenol	ND		2000	130
120-83-2	2,4-Dichlorophenol	ND		2000	110
105-67-9	2,4-Dimethylphenol	ND		2000	550
51-28-5	2,4-Dinitrophenol	ND		4000	710
121-14-2	2,4-Dinitrotoluene	ND		2000	310
606-20-2	2,6-Dinitrotoluene	ND		2000	500
91-58-7	2-Chloronaphthalene	ND		2000	140
95-57-8	2-Chlorophenol	ND		2000	100
91-57-6	2-Methylnaphthalene	860	J	2000	25
95-48-7	2-Methylphenol	ND		2000	62
88-74-4	2-Nitroaniline	ND		4000	650
88-75-5	2-Nitrophenol	ND		2000	93
91-94-1	3,3'-Dichlorobenzidine	ND		2000	1800
99-09-2	3-Nitroaniline	ND		4000	470
534-52-1	4,6-Dinitro-2-methylphenol	ND		4000	700
101-55-3	4-Bromophenyl phenyl ether	ND		2000	640
59-50-7	4-Chloro-3-methylphenol	ND		2000	83
106-47-8	4-Chloroaniline	ND		2000	590
7005-72-3	4-Chlorophenyl phenyl ether	ND		2000	43
106-44-5	4-Methylphenol	ND		4000	110
100-01-6	4-Nitroaniline	ND		4000	230
100-02-7	4-Nitrophenol	ND		4000	490
83-32-9	Acenaphthene	4500		2000	24
208-96-8	Acenaphthylene	110	J	2000	17
98-86-2	Acetophenone	ND		2000	100
120-12-7	Anthracene	7600		2000	52
1912-24-9	Atrazine	ND		2000	90
100-52-7	Benzaldehyde	ND		2000	220
56-55-3	Benzo(a)anthracene	13000		2000	35
50-32-8	Benzo(a)pyrene	13000		2000	49
205-99-2	Benzo(b)fluoranthene	14000		2000	39
191-24-2	Benzo(g,h,i)perylene	8300		2000	24
207-08-9	Benzo(k)fluoranthene	7000		2000	22

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-B2 (3-4)</u>	Lab Sample ID: <u>480-9503-7</u>
Matrix: <u>Solid</u>	Lab File ID: <u>V5125.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/07/2011 09:45</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/12/2011 11:09</u>
Sample wt/vol: <u>+30.32(g)</u>	Date Analyzed: <u>09/16/2011 14:52</u>
Con. Extract Vol.: <u>10(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>17.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>31527</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	210	J	2000	130
108-60-1	bis (2-chloroisopropyl) ether	ND		2000	210
111-91-1	Bis(2-chloroethoxy)methane	ND		2000	110
111-44-4	Bis(2-chloroethyl)ether	ND		2000	170
117-81-7	Bis(2-ethylhexyl) phthalate	ND		2000	650
85-68-7	Butyl benzyl phthalate	ND		2000	540
105-60-2	Caprolactam	ND		2000	880
86-74-8	Carbazole	3100		2000	23
218-01-9	Chrysene	12000		2000	20
53-70-3	Dibenz (a,h) anthracene	2400		2000	24
132-64-9	Dibenzofuran	1700	J	2000	21
84-66-2	Diethyl phthalate	ND		2000	61
131-11-3	Dimethyl phthalate	ND		2000	53
84-74-2	Di-n-butyl phthalate	ND		2000	700
117-84-0	Di-n-octyl phthalate	ND		2000	47
206-44-0	Fluoranthene	29000		2000	29
86-73-7	Fluorene	3500		2000	47
118-74-1	Hexachlorobenzene	ND		2000	100
87-68-3	Hexachlorobutadiene	ND		2000	100
77-47-4	Hexachlorocyclopentadiene	ND		2000	610
67-72-1	Hexachloroethane	ND		2000	160
193-39-5	Indeno (1,2,3-cd)pyrene	7000		2000	56
78-59-1	Isophorone	ND		2000	100
91-20-3	Naphthalene	1600	J	2000	34
98-95-3	Nitrobenzene	ND		2000	90
621-64-7	N-Nitrosodi-n-propylamine	ND		2000	160
86-30-6	N-Nitrosodiphenylamine	ND		2000	110
87-86-5	Pentachlorophenol	ND		4000	690
85-01-8	Phenanthrene	26000		2000	42
108-95-2	Phenol	ND		2000	210
129-00-0	Pyrene	22000		2000	13

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: SB-B2 (3-4) Lab Sample ID: 480-9503-7
Matrix: Solid Lab File ID: V5125.D
Analysis Method: 8270C Date Collected: 09/07/2011 09:45
Extract. Method: 3550B Date Extracted: 09/12/2011 11:09
Sample wt/vol: +30.32(g) Date Analyzed: 09/16/2011 14:52
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: 17.5 GPC Cleanup: (Y/N) N
Analysis Batch No.: 31527 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	109		39-146
321-60-8	2-Fluorobiphenyl	111		37-120
367-12-4	2-Fluorophenol	94		18-120
4165-60-0	Nitrobenzene-d5	95		34-132
4165-62-2	Phenol-d5	106		11-120
1718-51-0	p-Terphenyl-d14	110		58-147

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: SB-B2 (3-4) Lab Sample ID: 480-9503-7
Matrix: Solid Lab File ID: V5125.D
Analysis Method: 8270C Date Collected: 09/07/2011 09:45
Extract. Method: 3550B Date Extracted: 09/12/2011 11:09
Sample wt/vol: +30.32(g) Date Analyzed: 09/16/2011 14:52
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 17.5 GPC Cleanup: (Y/N) N
Analysis Batch No.: 31527 Units: ug/Kg
Number TICs Found: 7 TIC Result Total: 28300

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	12.03	4200	T J
	Unknown	12.11	6100	T J
	Unknown	13.20	2300	T J
	Unknown	13.26	1800	T J
	Unknown	14.30	1700	T J
	Unknown	15.14	8600	T J
	Unknown	15.27	3600	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D
 Lims ID: 480-9503-E-7-A Client ID: SB-B2 (3-4)
 Inject. Date: 16-Sep-2011 14:52:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0006006-016
 Misc. Info.: 480-9503-E-7-A
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 14
 Lims Batch ID: 31527 Lims Sample ID: 16
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V-8270.m
 Last Update: 19-Sep-2011 10:33:05 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 19-Sep-2011 10:30:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.777	5.777	0.0	95	95810	40.0	
* 2 Naphthalene-d8	136	7.503	7.503	0.0	99	368475	40.0	
* 3 Acenaphthene-d10	164	9.784	9.784	0.0	90	213891	40.0	
* 4 Phenanthrene-d10	188	11.488	11.488	0.0	97	345086	40.0	
* 5 Chrysene-d12	240	13.967	13.961	0.006	97	375204	40.0	
* 6 Perylene-d12	264	15.249	15.244	0.005	97	446098	40.0	
\$ 9 2-Fluorophenol	112	3.892	3.886	0.006	80	42305	14.1	
\$ 10 Phenol-d5	99	5.281	5.286	-0.006	80	60414	15.9	
\$ 11 Nitrobenzene-d5	82	6.536	6.541	-0.005	77	35173	9.54	
\$ 12 2-Fluorobiphenyl	172	8.929	8.935	-0.006	92	76124	11.1	
\$ 13 2,4,6-Tribromophenol	330	10.730	10.735	-0.005	64	11686	16.3	
\$ 14 p-Terphenyl-d14	244	13.032	13.037	-0.005	91	89195	11.0	
88 Benzaldehyde	77		5.147					
89 Phenol	94		5.302					
91 Bis(2-chloroethyl)ether	93		5.409					
93 2-Chlorophenol	128		5.483					
98 2-Methylphenol	108		6.157					
99 2,2'-oxybis[1-chloropropane]	45		6.183					
104 Acetophenone	105		6.338					
101 N-Nitrosodi-n-propylamine	70		6.354					
102 4-Methylphenol	108		6.370					
106 Hexachloroethane	117		6.482					
107 Nitrobenzene	77		6.568					
110 Isophorone	82		6.899					
111 2-Nitrophenol	139		7.006					
112 2,4-Dimethylphenol	107		7.091					
115 Bis(2-chloroethoxy)methane	93		7.209					
117 2,4-Dichlorophenol	162		7.332					
121 Naphthalene	128	7.530	7.535	-0.005	52	36212	4.00	
123 4-Chloroaniline	127		7.615					
126 Hexachlorobutadiene	225		7.733					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113		8.021					
131 4-Chloro-3-methylphenol	107		8.277					
133 2-Methylnaphthalene	142	8.443	8.448	-0.005	40	13466	2.16	
136 Hexachlorocyclopentadiene	237		8.678					
139 2,4,6-Trichlorophenol	196		8.828					
140 2,4,5-Trichlorophenol	196		8.870					
144 1,1'-Biphenyl	154	9.052	9.052	0.0	1	4168	0.5261	
143 2-Chloronaphthalene	162		9.073					
145 2-Nitroaniline	65		9.207					
147 Dimethyl phthalate	163		9.458					
148 2,6-Dinitrotoluene	165		9.522					
149 Acenaphthylene	152	9.597	9.602	-0.005	1	2657	0.2876	
150 3-Nitroaniline	138		9.736					
151 Acenaphthene	153	9.821	9.827	-0.006	89	64983	11.2	
152 2,4-Dinitrophenol	184		9.869					
153 4-Nitrophenol	109		9.971					
154 2,4-Dinitrotoluene	165		10.035					
155 Dibenzofuran	168	10.040	10.046	-0.006	76	36238	4.30	
160 Diethyl phthalate	149		10.345					
161 Fluorene	166	10.452	10.457	-0.005	80	60932	8.83	
162 4-Chlorophenyl phenyl ether	204		10.462					
164 4-Nitroaniline	138		10.484					
166 4,6-Dinitro-2-methylphenol	198		10.527					
167 N-Nitrosodiphenylamine	169		10.601					
176 4-Bromophenyl phenyl ether	248		11.018					
177 Hexachlorobenzene	284		11.098					
180 Atrazine	200		11.205					
181 Pentachlorophenol	266		11.306					
185 Phenanthrene	178	11.515	11.520	-0.005	96	602553	65.2	
188 Anthracene	178	11.563	11.568	-0.005	97	177995	19.1	
189 Carbazole	167	11.734	11.739	-0.005	73	67020	7.73	
192 Di-n-butyl phthalate	149		12.097					
197 Fluoranthene	202	12.685	12.690	-0.005	98	715803	72.0	
199 Pyrene	202	12.899	12.898	0.001	97	641776	54.2	
205 Butyl benzyl phthalate	149		13.465					
208 3,3'-Dichlorobenzidine	252		13.930					
210 Bis(2-ethylhexyl) phthalate	149	13.951	13.951	0.0	19	4425	0.5577	
209 Benzo[a]anthracene	228	13.956	13.962	-0.006	99	359271	32.8	
211 Chrysene	228	13.988	13.994	-0.006	91	326573	30.8	
212 Di-n-octyl phthalate	149		14.485					
213 Benzo[b]fluoranthene	252	14.891	14.891	0.0	94	439040	33.9	M
214 Benzo[k]fluoranthene	252	14.902	14.918	-0.016	99	235871	17.4	M
217 Benzo[a]pyrene	252	15.196	15.196	0.0	75	349801	32.2	
219 Indeno[1,2,3-cd]pyrene	276	16.371	16.382	-0.011	98	229929	17.4	
220 Dibenz(a,h)anthracene	278	16.371	16.382	-0.011	8	66632	6.02	
221 Benzo[g,h,i]perylene	276	16.697	16.707	-0.010	91	217340	20.7	

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D
 Lims ID: 480-9503-E-7-A Client ID: SB-B2 (3-4)
 Inject. Date: 16-Sep-2011 14:52:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0006006-016
 Misc. Info.: 480-9503-E-7-A
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 14
 Lims Batch ID: 31527 Lims Sample ID: 16
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V-8270.m
 Last Update: 19-Sep-2011 10:33:05 Calib Date: 08-Sep-2011 10:41:30
 Tic RT Window: 1.500 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\Bufchrom\ChromData\Database\NIST98.L
 Min. Match: 85
 Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 19-Sep-2011 10:30:08

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
12.033	229732	10.5	4	0	0	Unknown
12.113	336537	15.3	4			Unknown
13.198	318861	5.78	5	0	0	Unknown
13.256	251502	4.56	5	0	0	Unknown
14.304	233762	4.23	5	0	0	Unknown
15.142	719899	21.6	6	0	0	Unknown
15.270	296802	8.90	6	0	0	Unknown

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 4 Phenanthrene-d10	11.488	877971	40.0
* 5 Chrysene-d12	13.962	2207987	40.0
* 6 Perylene-d12	15.249	1333580	40.0

QC Flag Legend

Processing Flags

Report Date: 19-Sep-2011 10:33:06

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File:

\\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

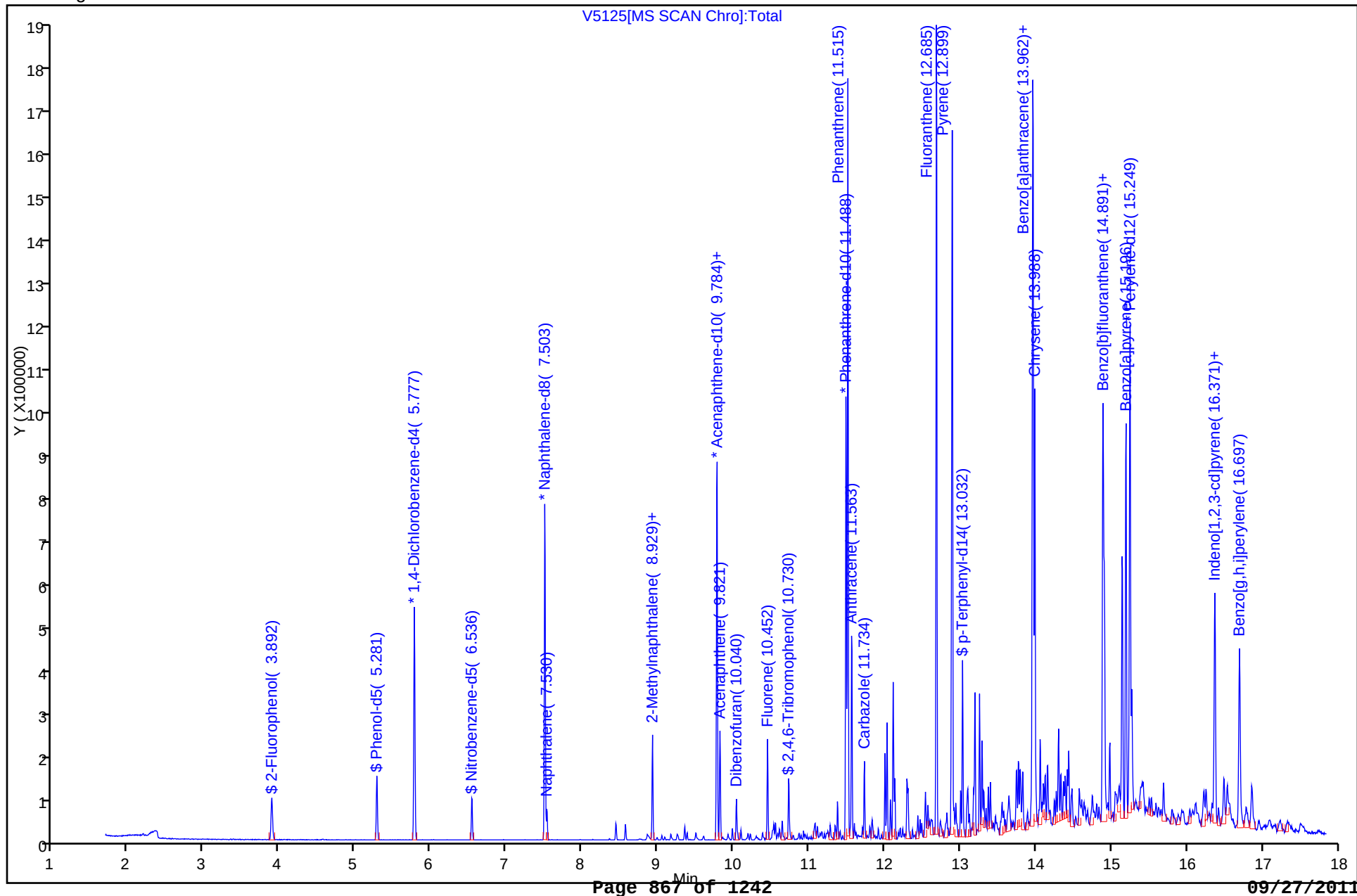
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



Report Date: 19-Sep-2011 10:33:06

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

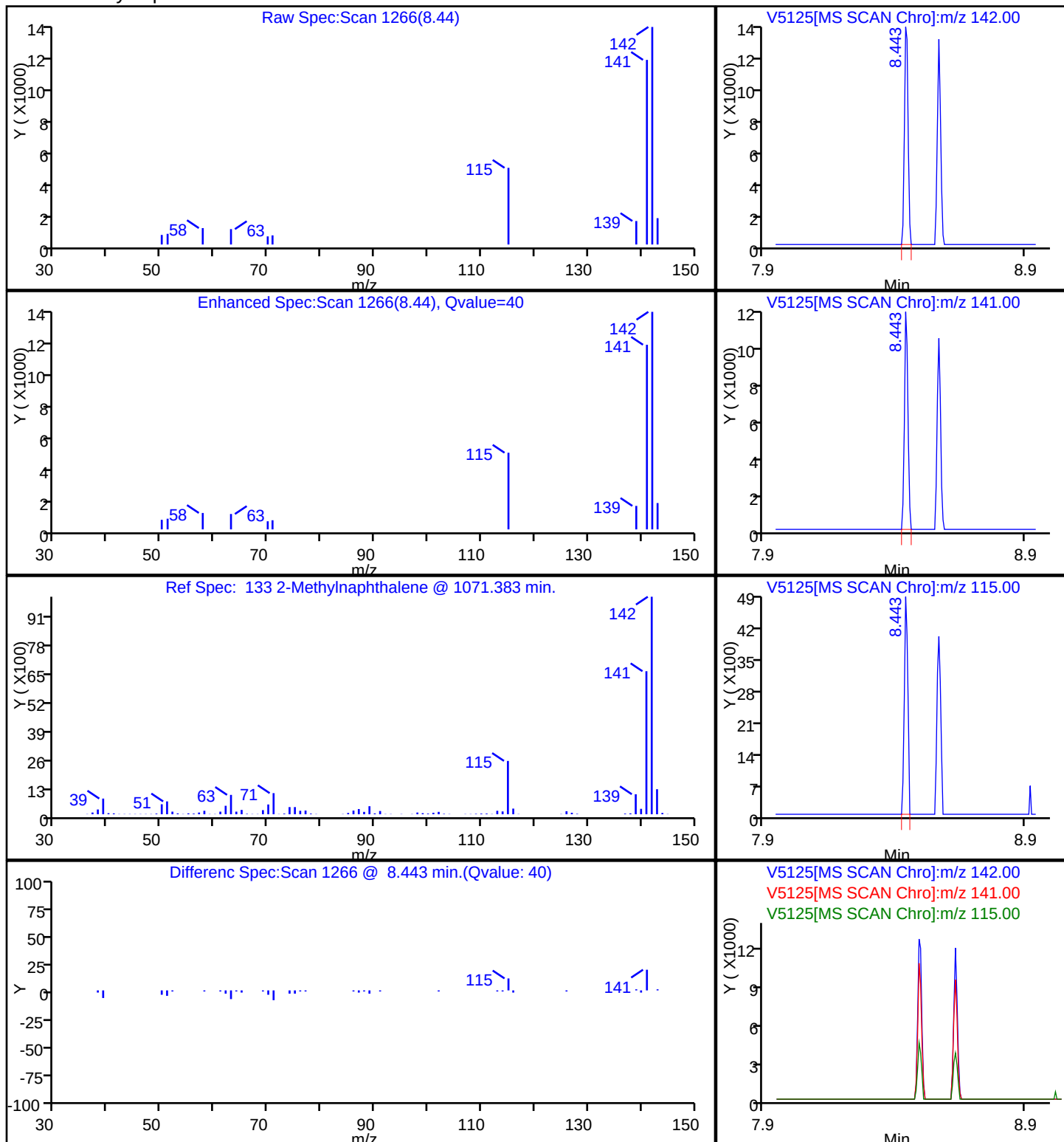
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

133 2-Methylnaphthalene



Report Date: 19-Sep-2011 10:33:06

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

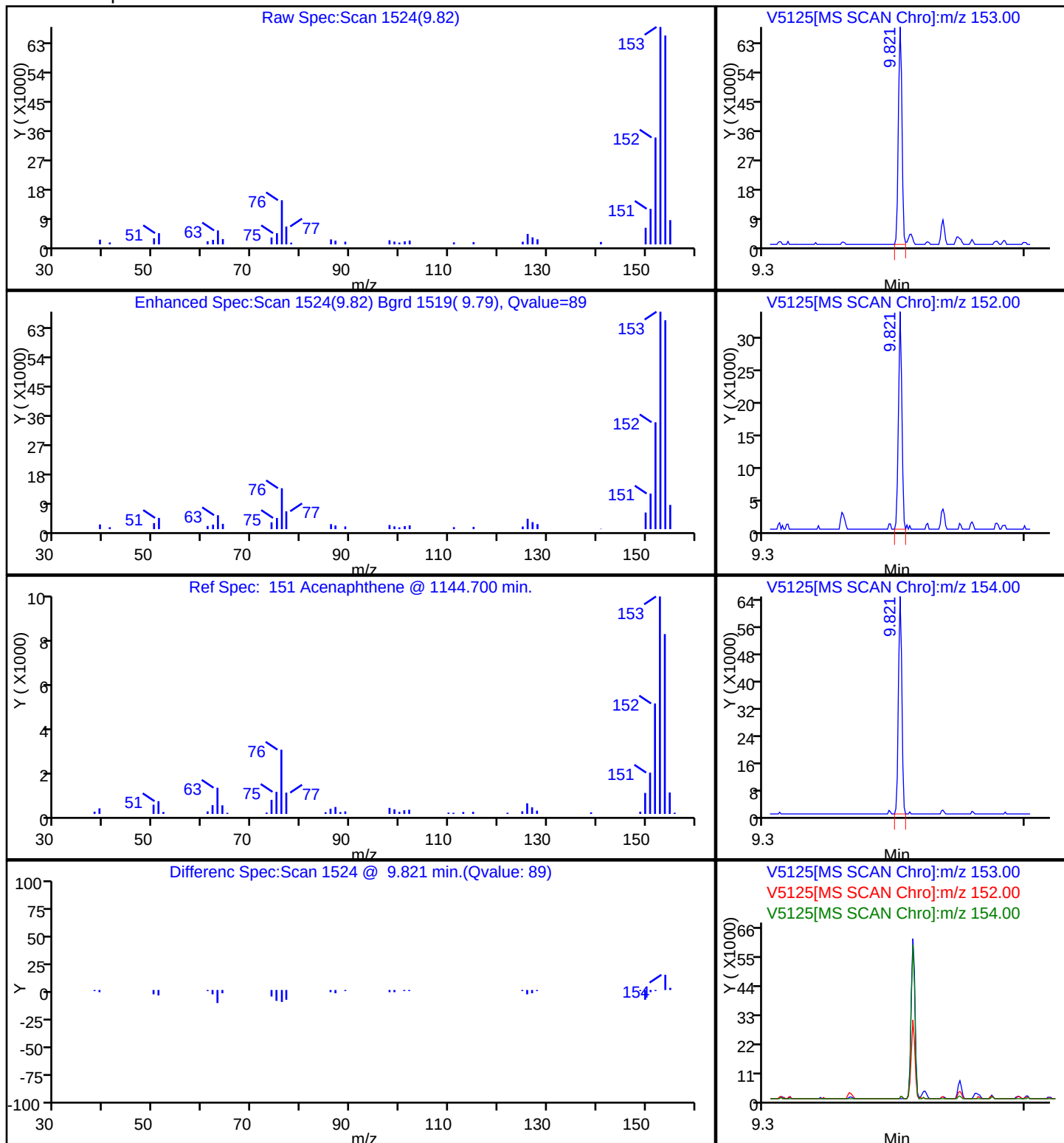
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

151 Acenaphthene



Report Date: 19-Sep-2011 10:33:06

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

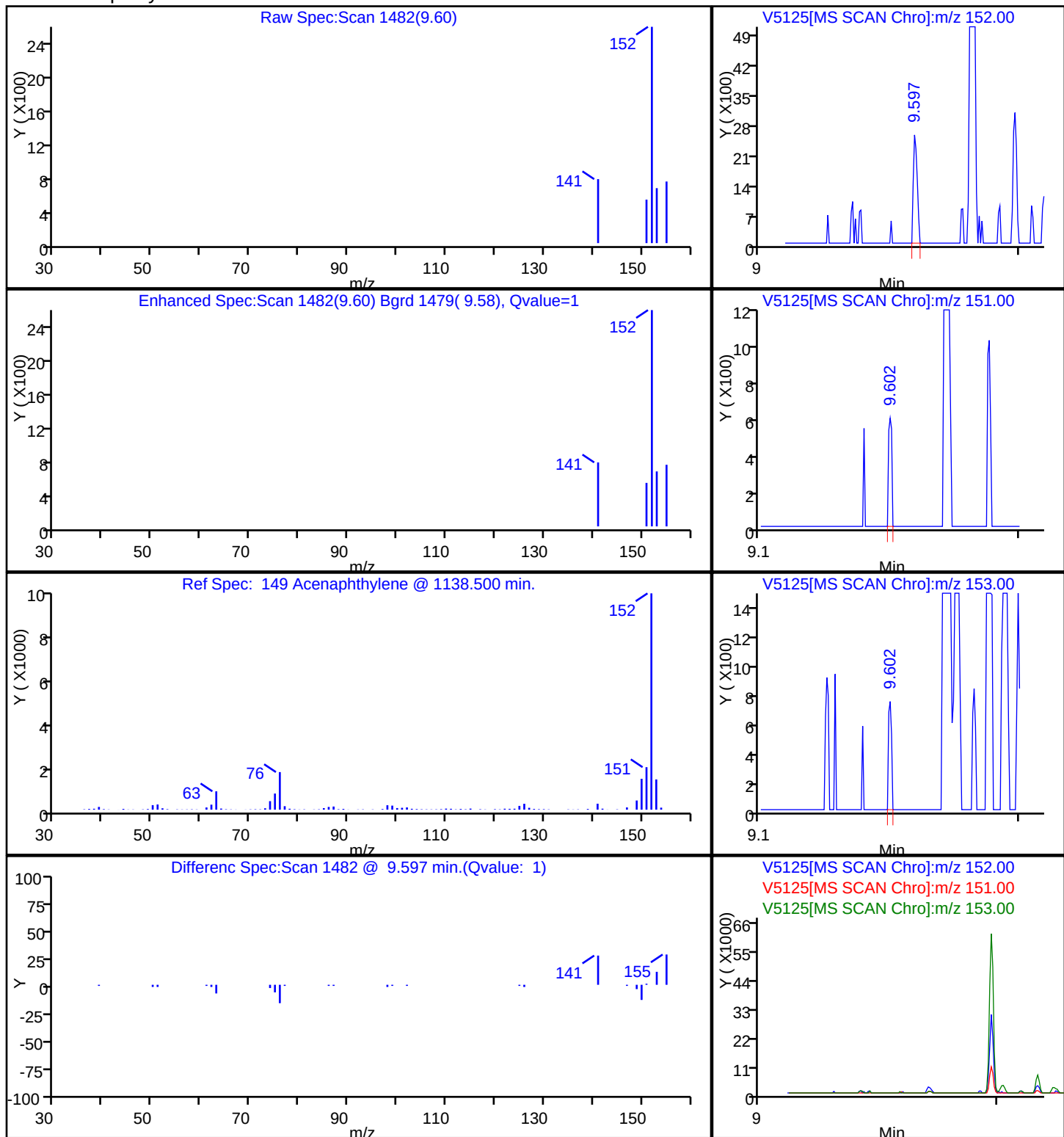
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

149 Acenaphthylene



Report Date: 19-Sep-2011 10:33:06

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

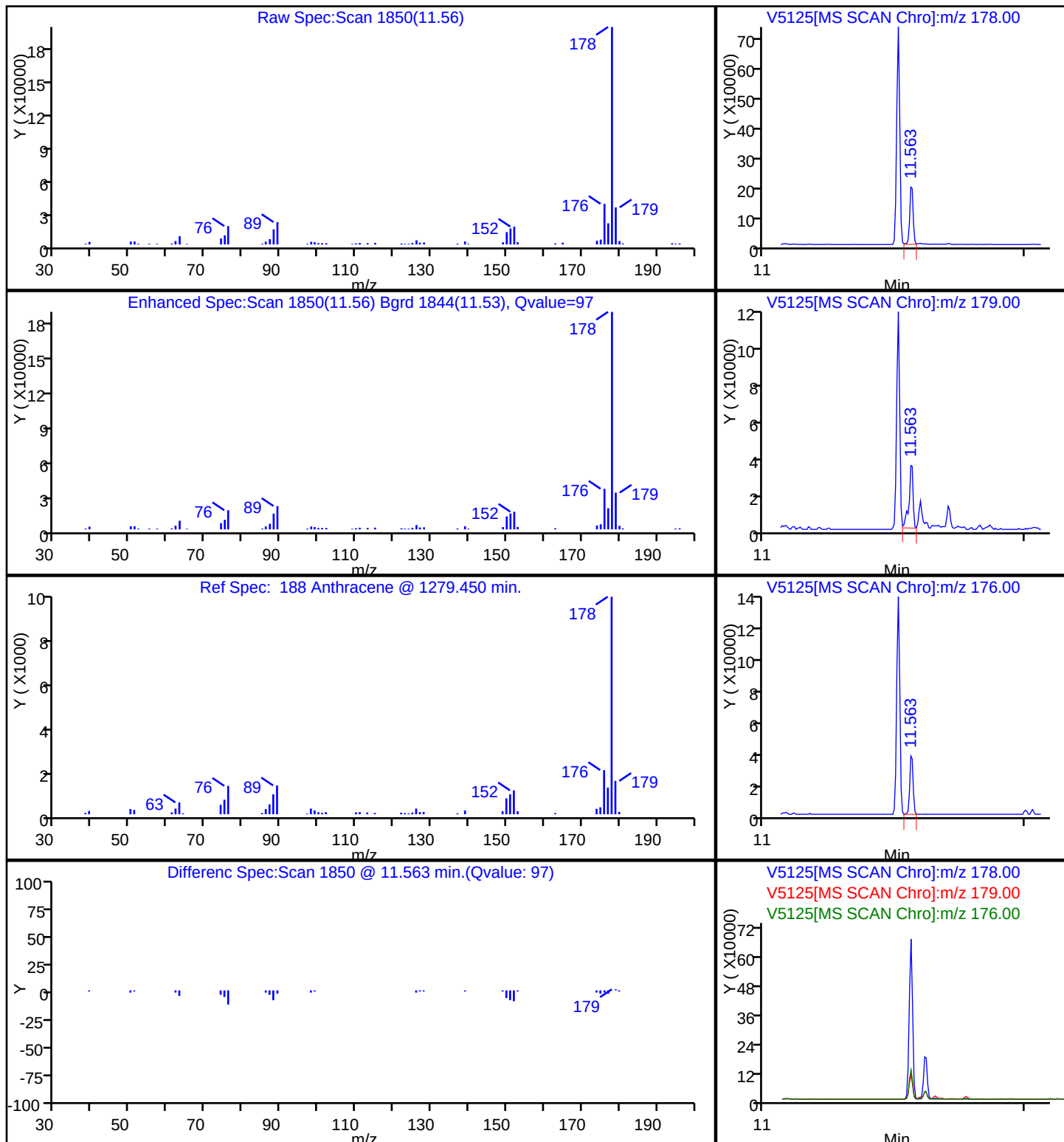
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

188 Anthracene



Report Date: 19-Sep-2011 10:33:06

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

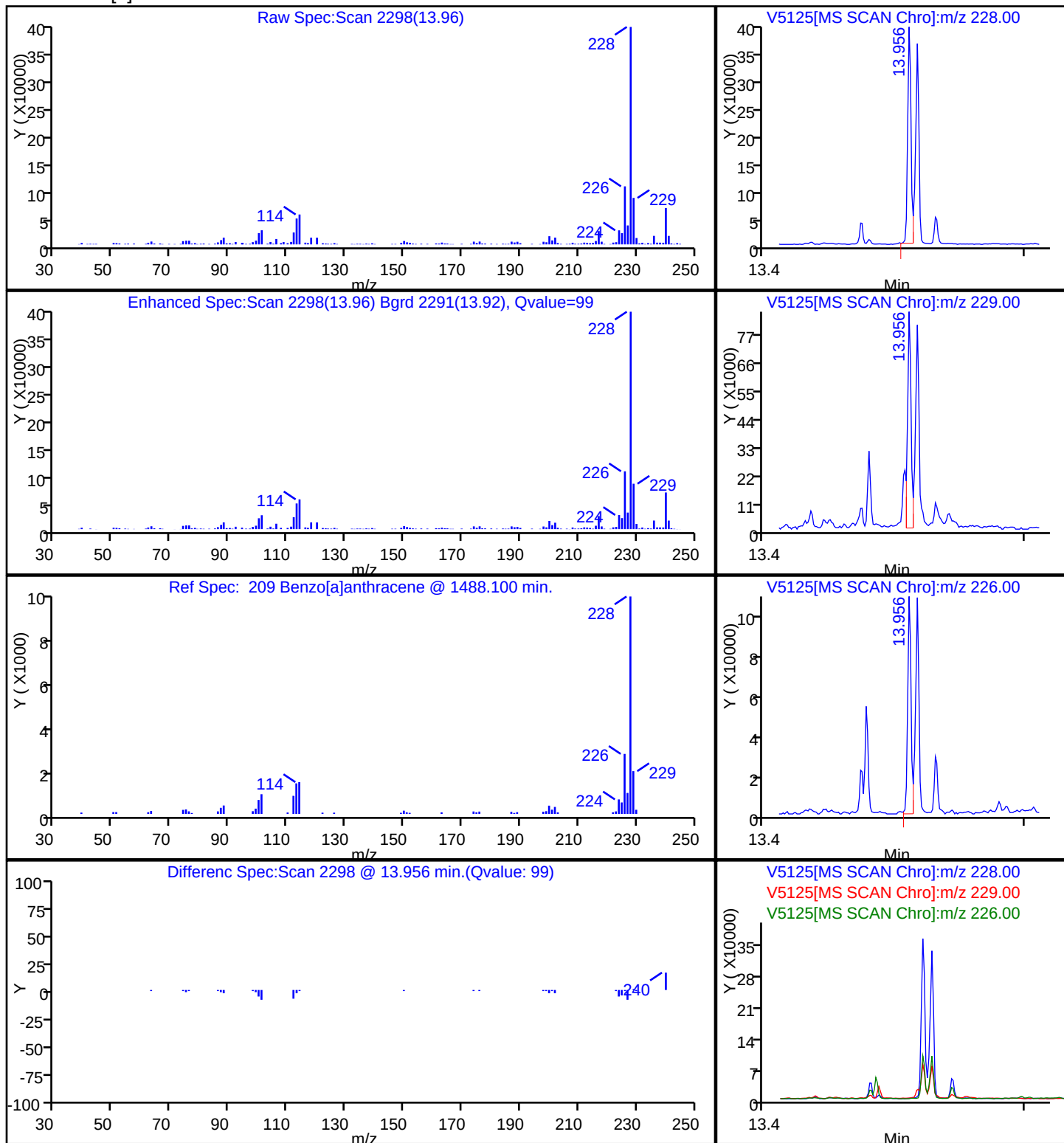
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

209 Benzo[a]anthracene



Report Date: 19-Sep-2011 10:33:06

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

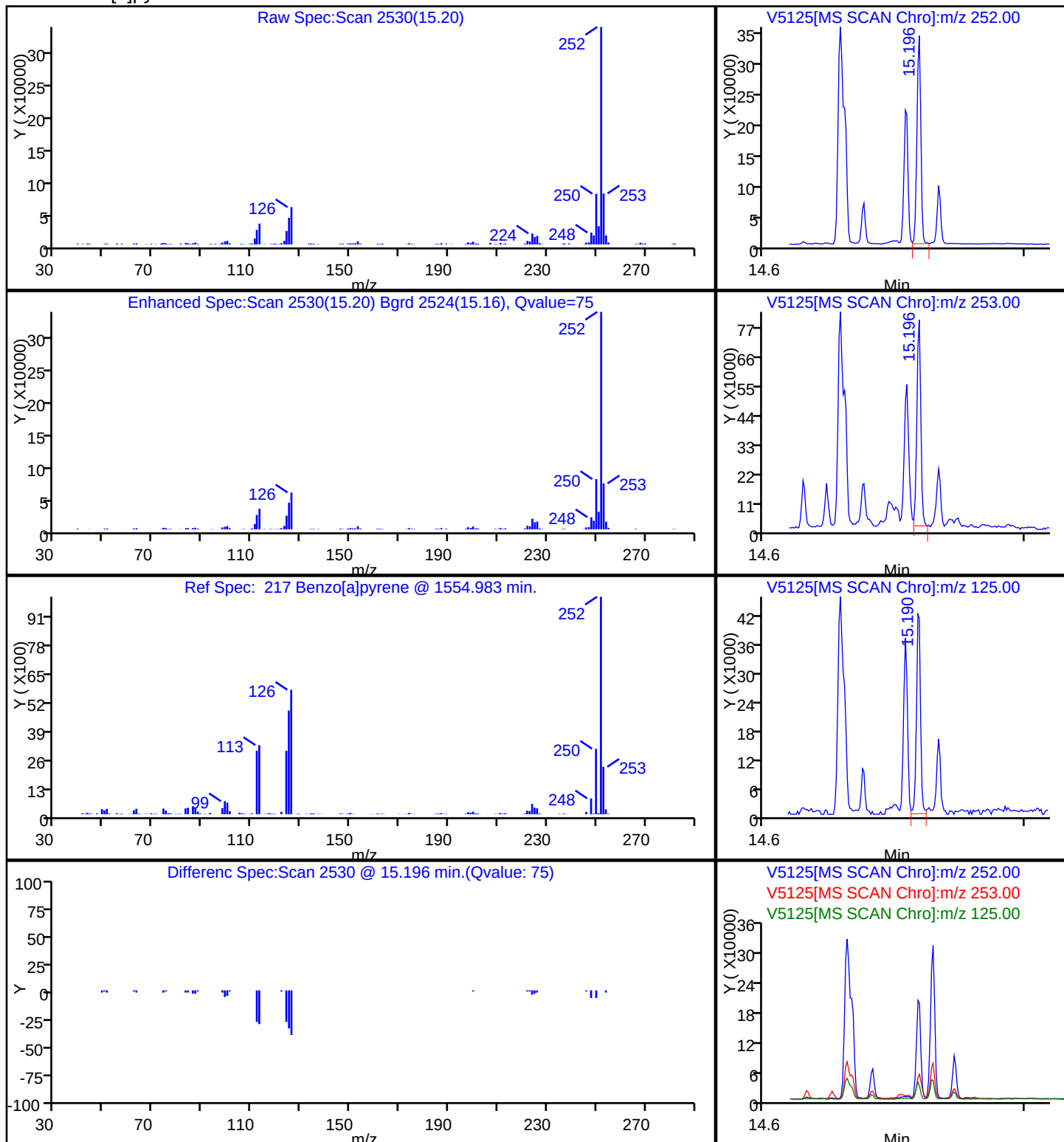
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

217 Benzo[a]pyrene



Report Date: 19-Sep-2011 10:33:06

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

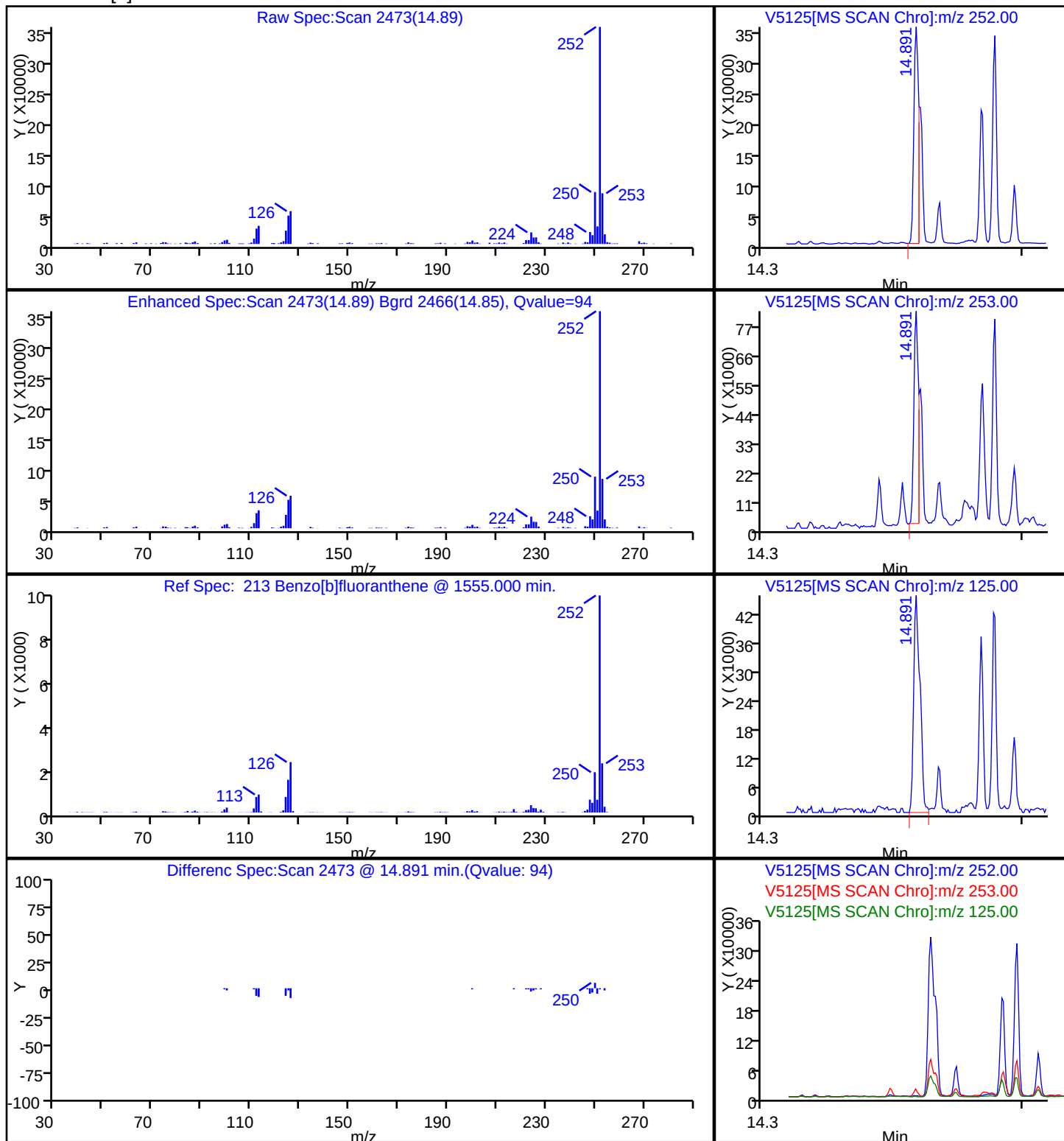
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

213 Benzo[b]fluoranthene



Report Date: 19-Sep-2011 10:33:06

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

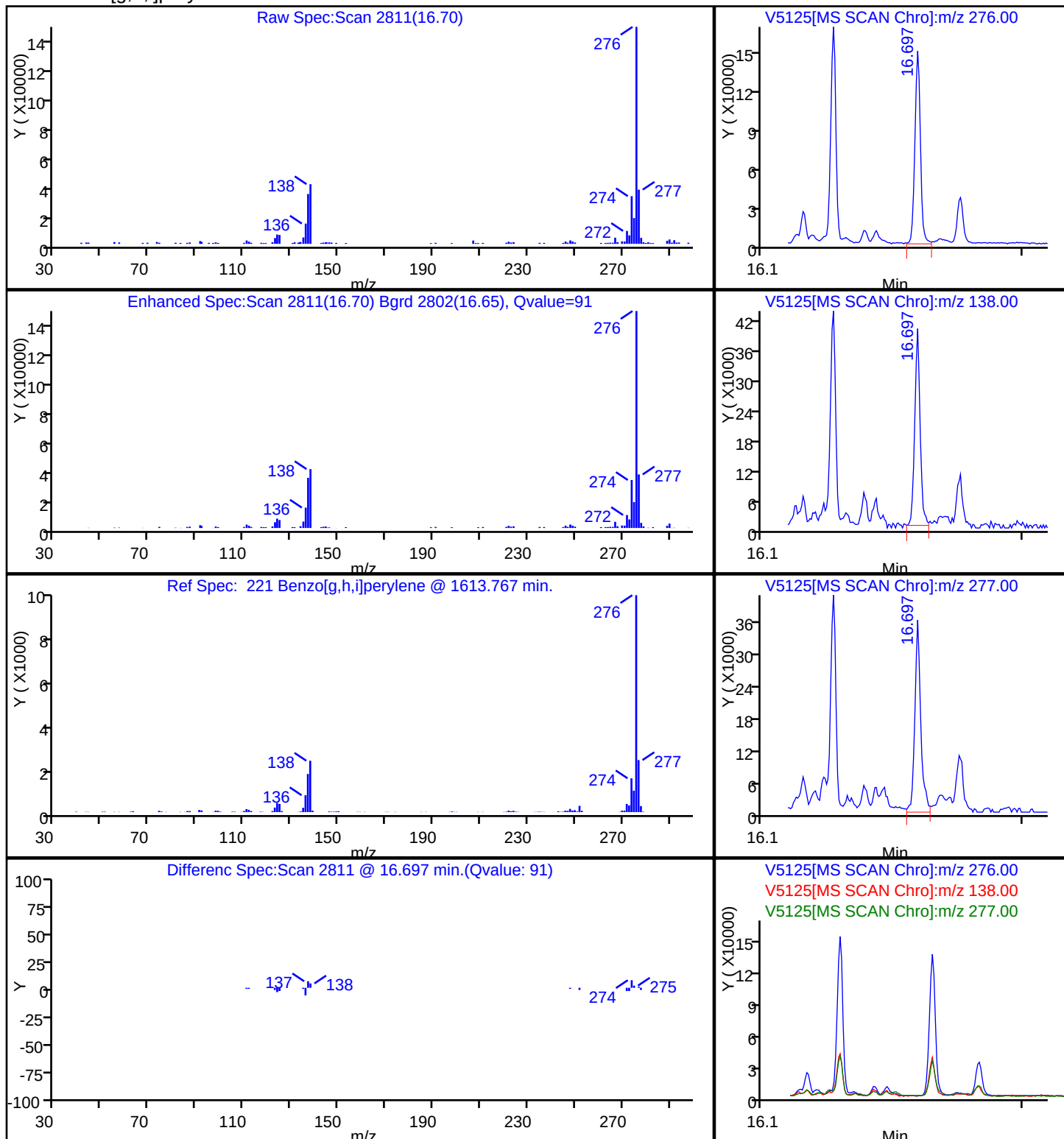
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

221 Benzo[g,h,i]perylene



Report Date: 19-Sep-2011 10:33:06

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

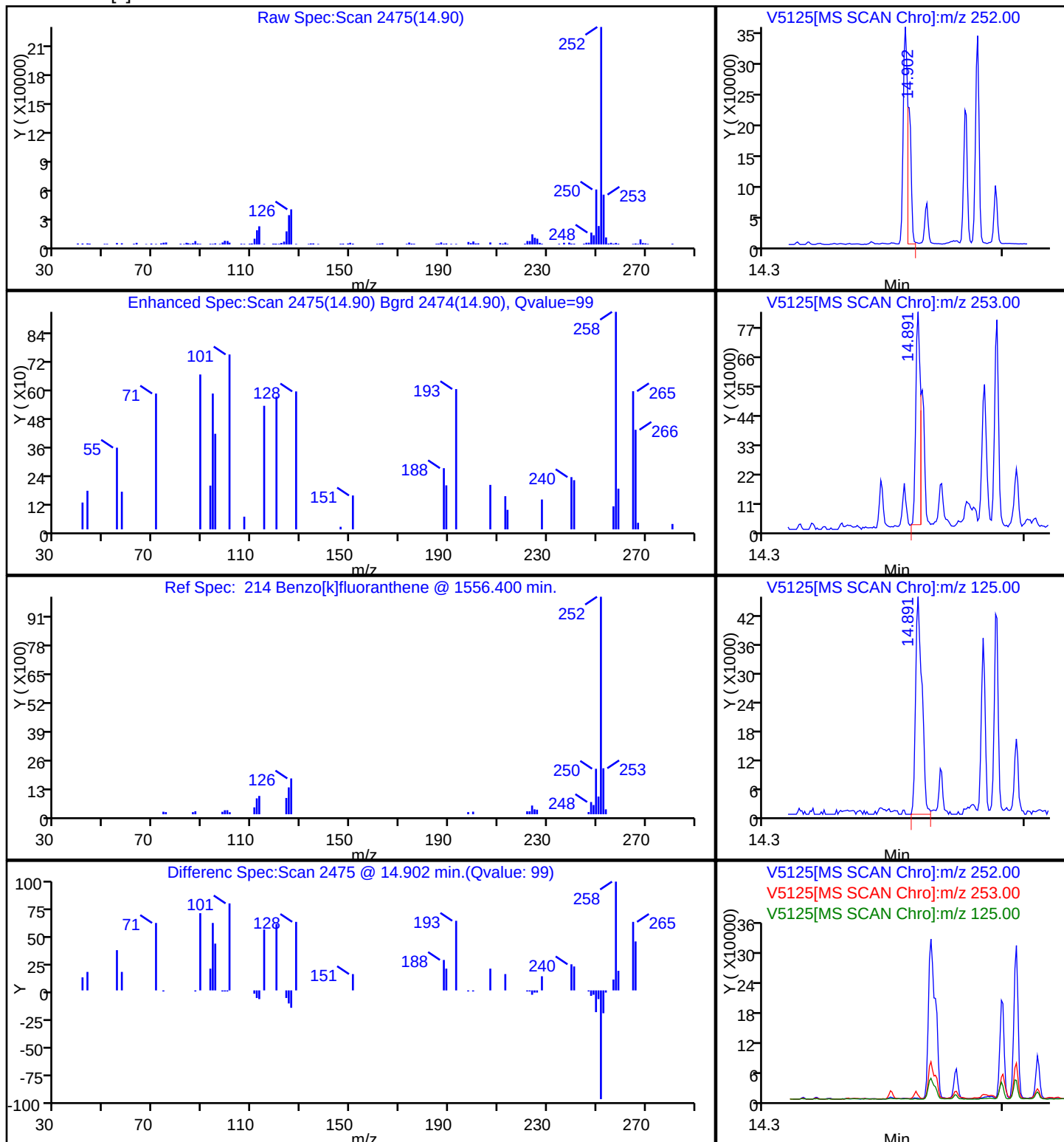
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

214 Benzo[k]fluoranthene



Report Date: 19-Sep-2011 10:33:06

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

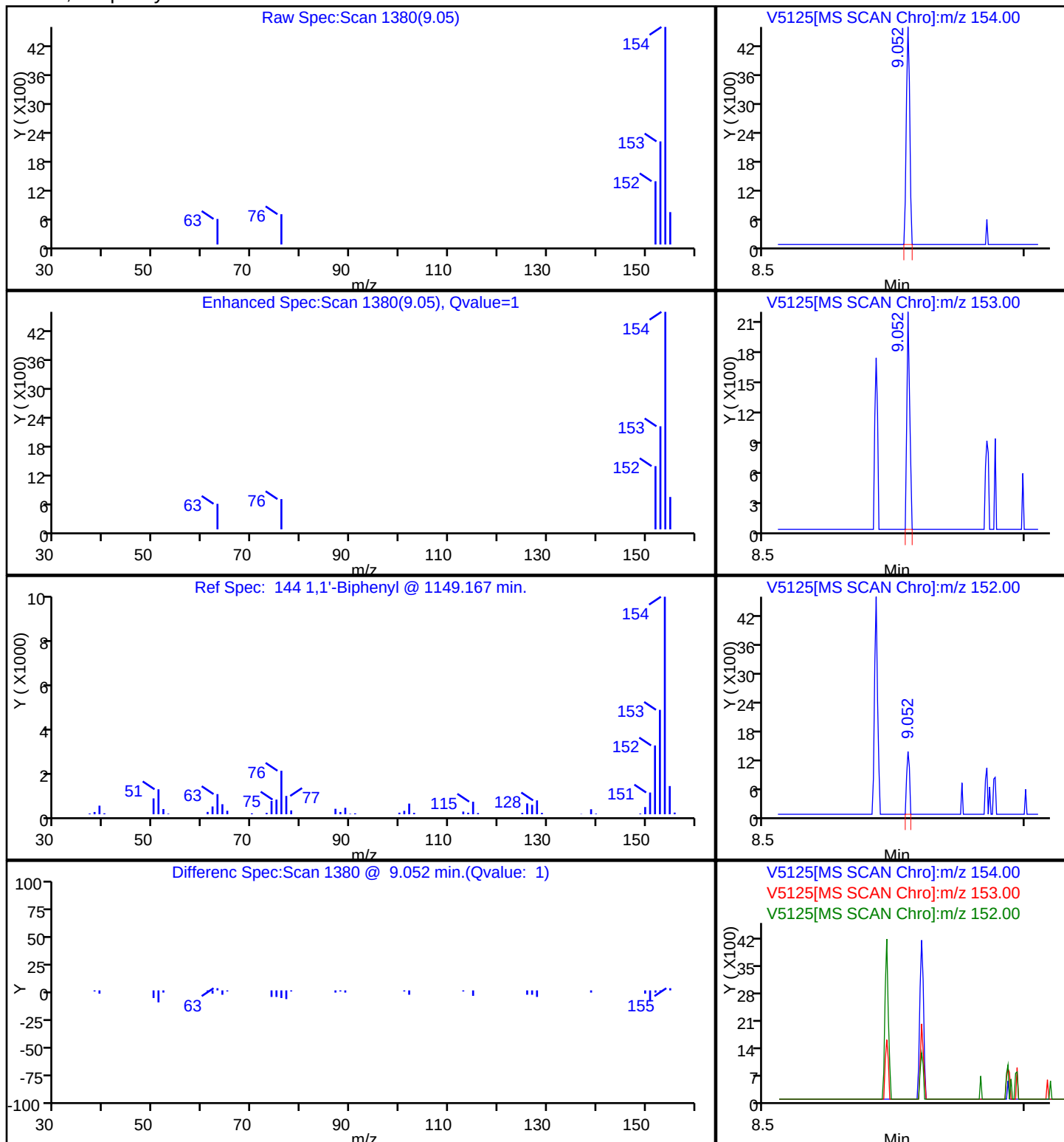
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

144 1,1'-Biphenyl



Report Date: 19-Sep-2011 10:33:06

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

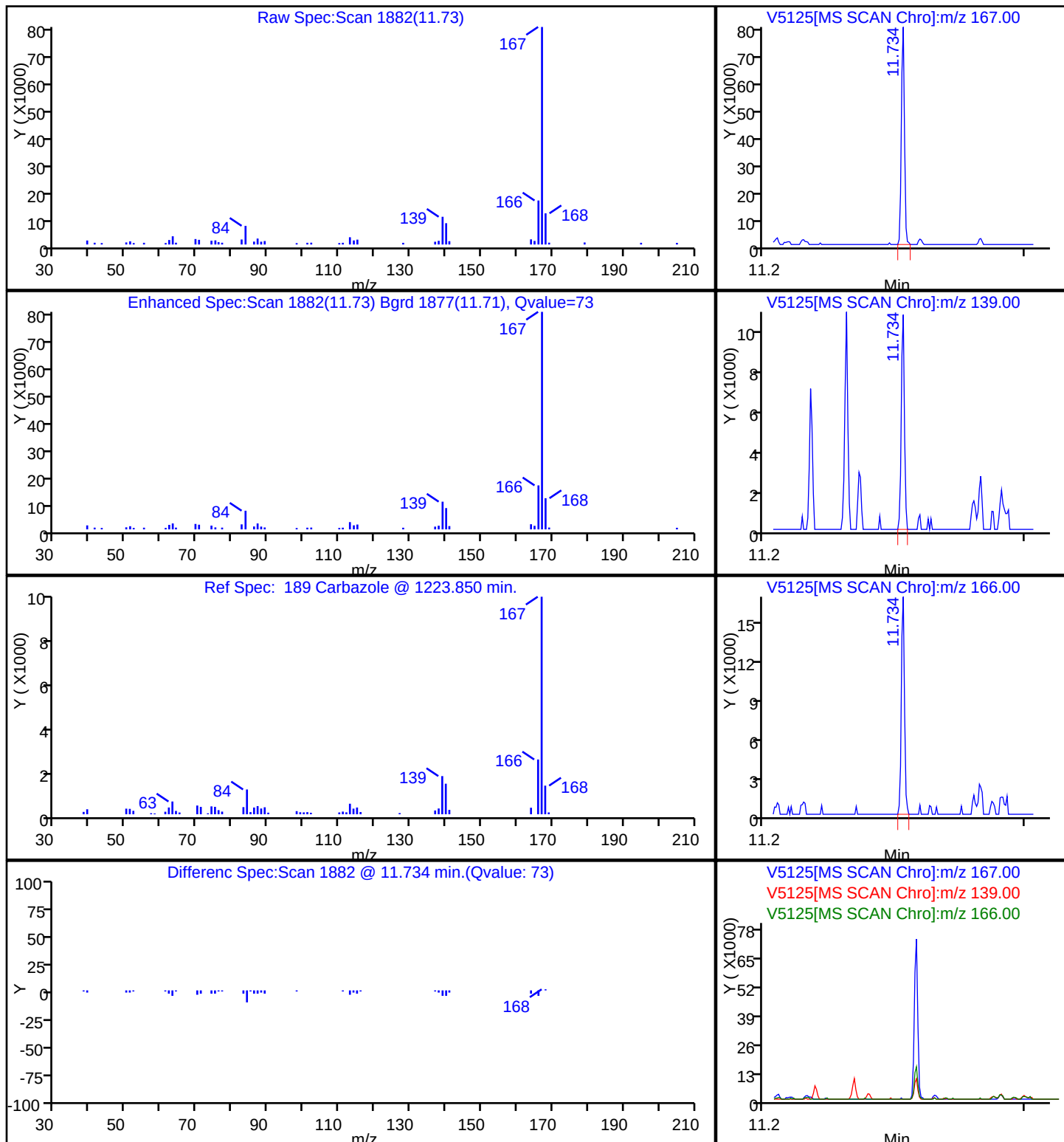
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

189 Carbazole



Data File:

\\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

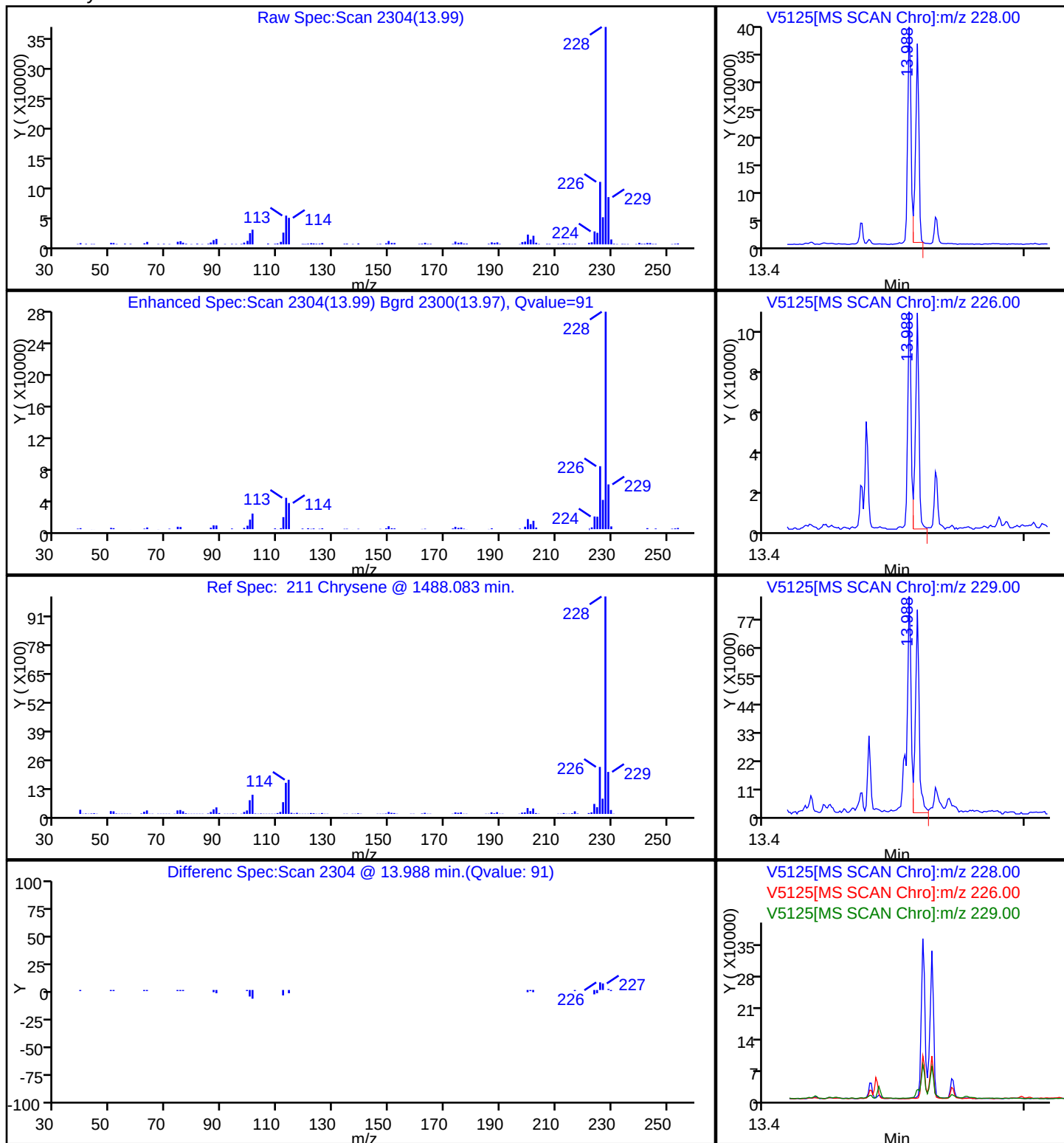
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

211 Chrysene



Report Date: 19-Sep-2011 10:33:06

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

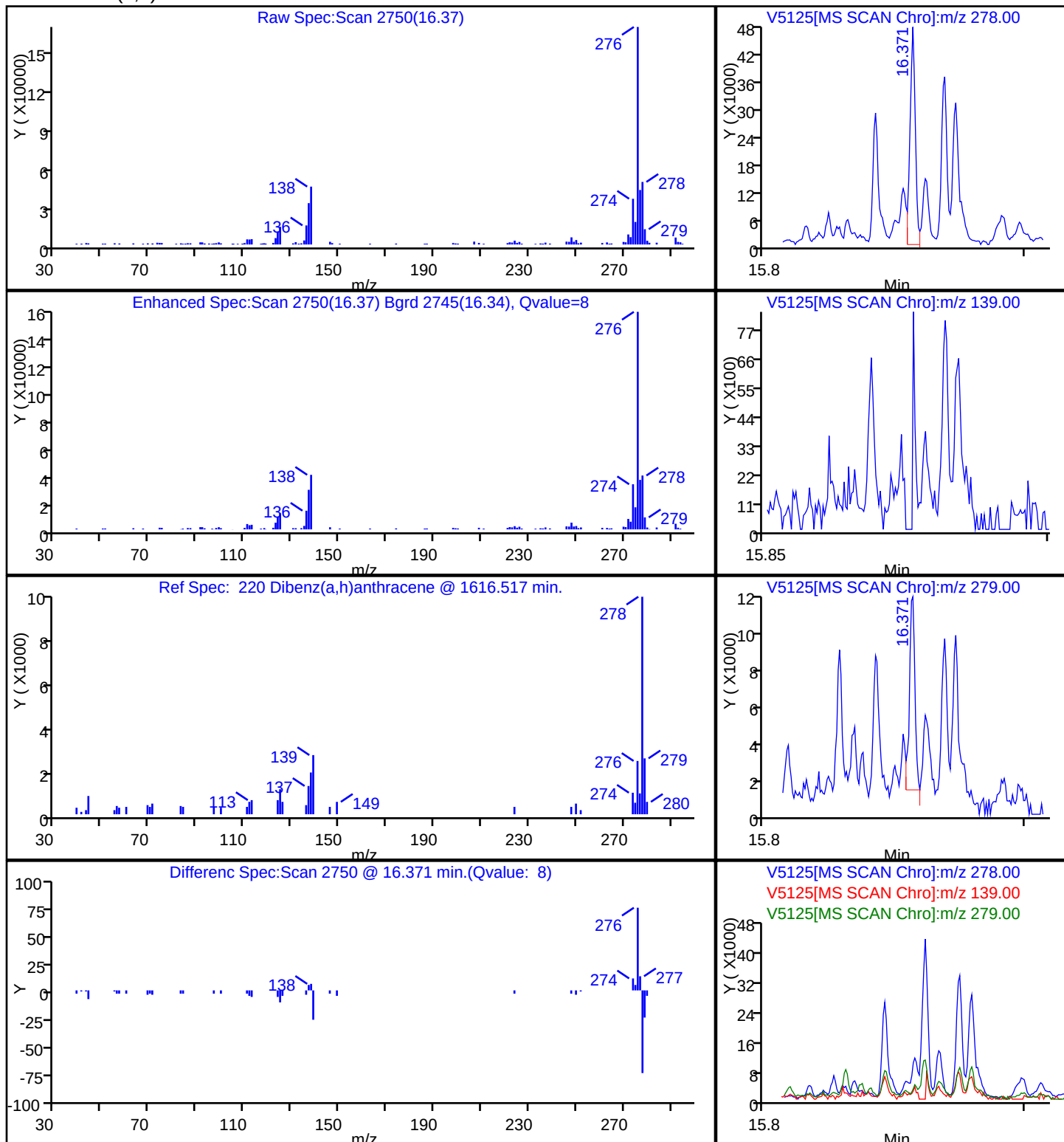
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

220 Dibenz(a,h)anthracene



Report Date: 19-Sep-2011 10:33:06

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

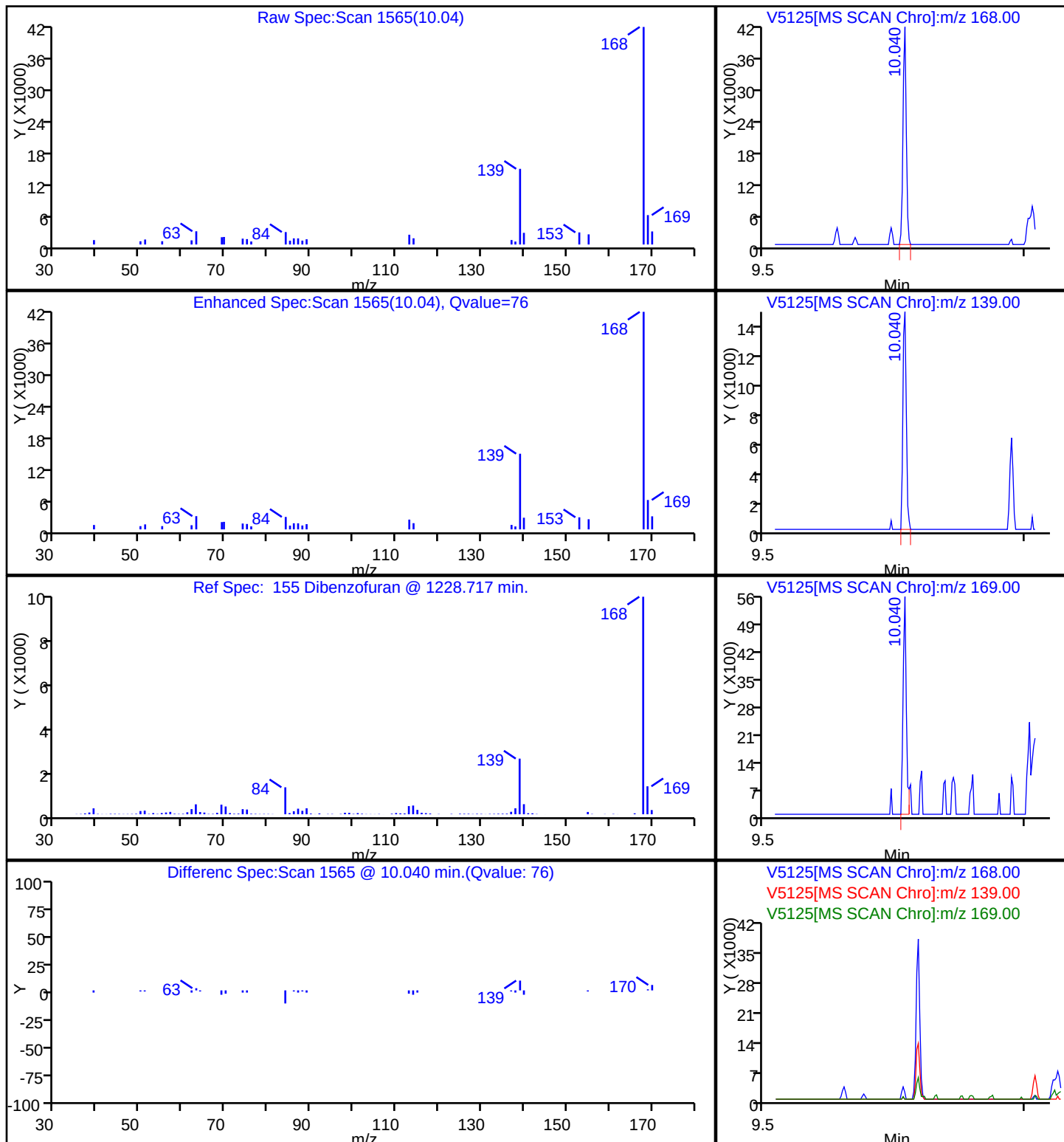
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

155 Dibenzofuran



Report Date: 19-Sep-2011 10:33:06

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

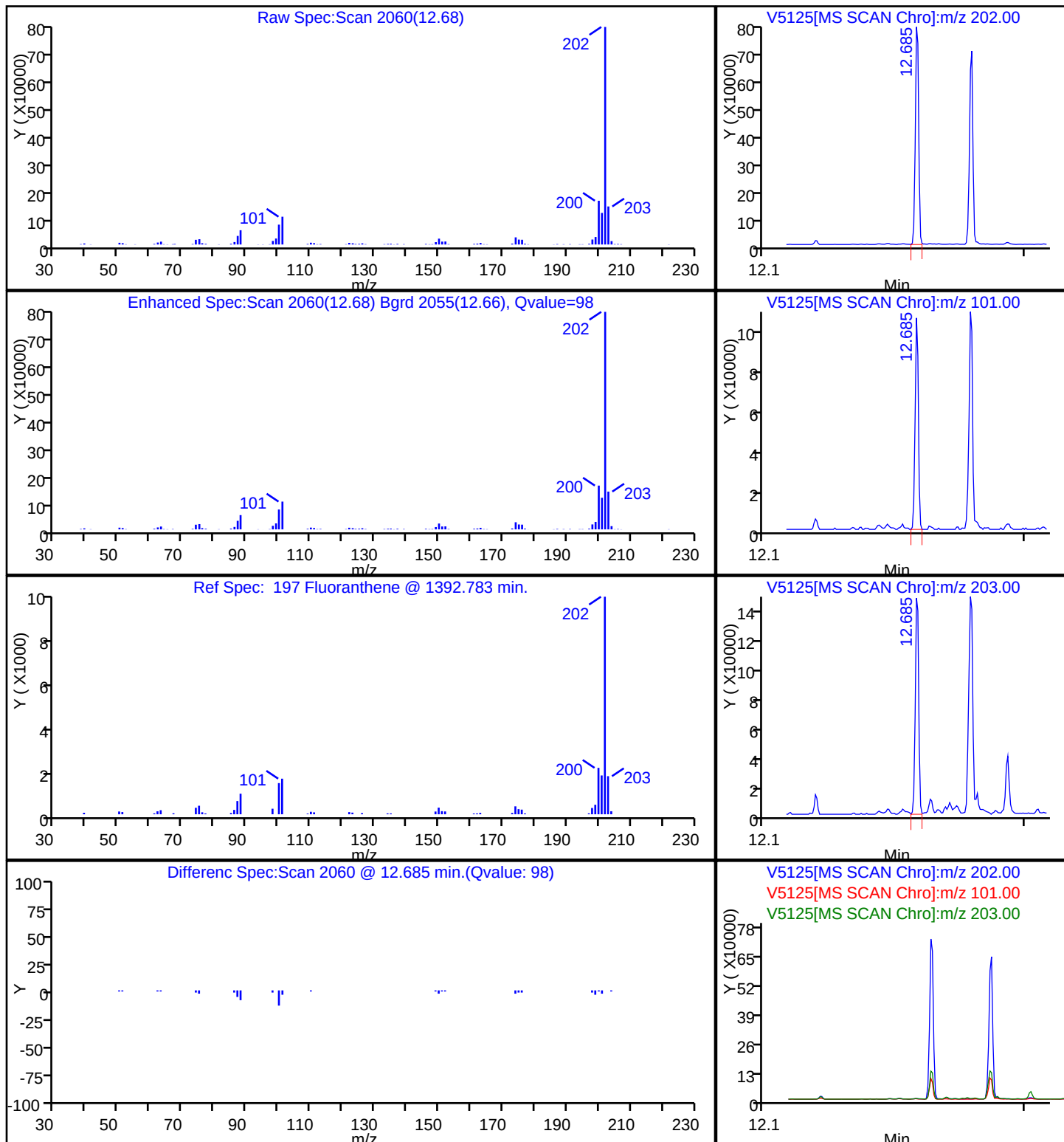
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

197 Fluoranthene



Data File:

\\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

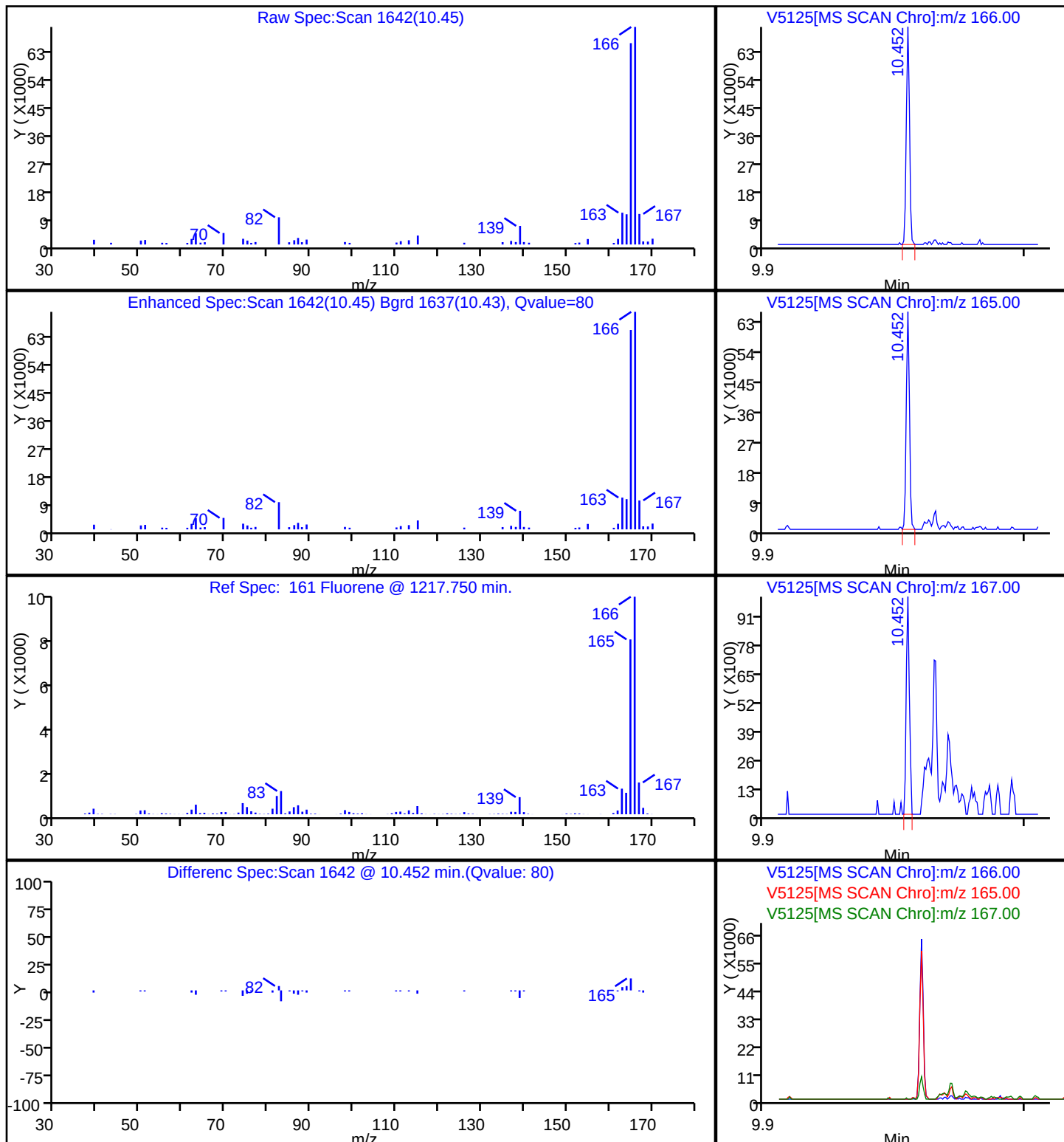
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

161 Fluorene



Report Date: 19-Sep-2011 10:33:06

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

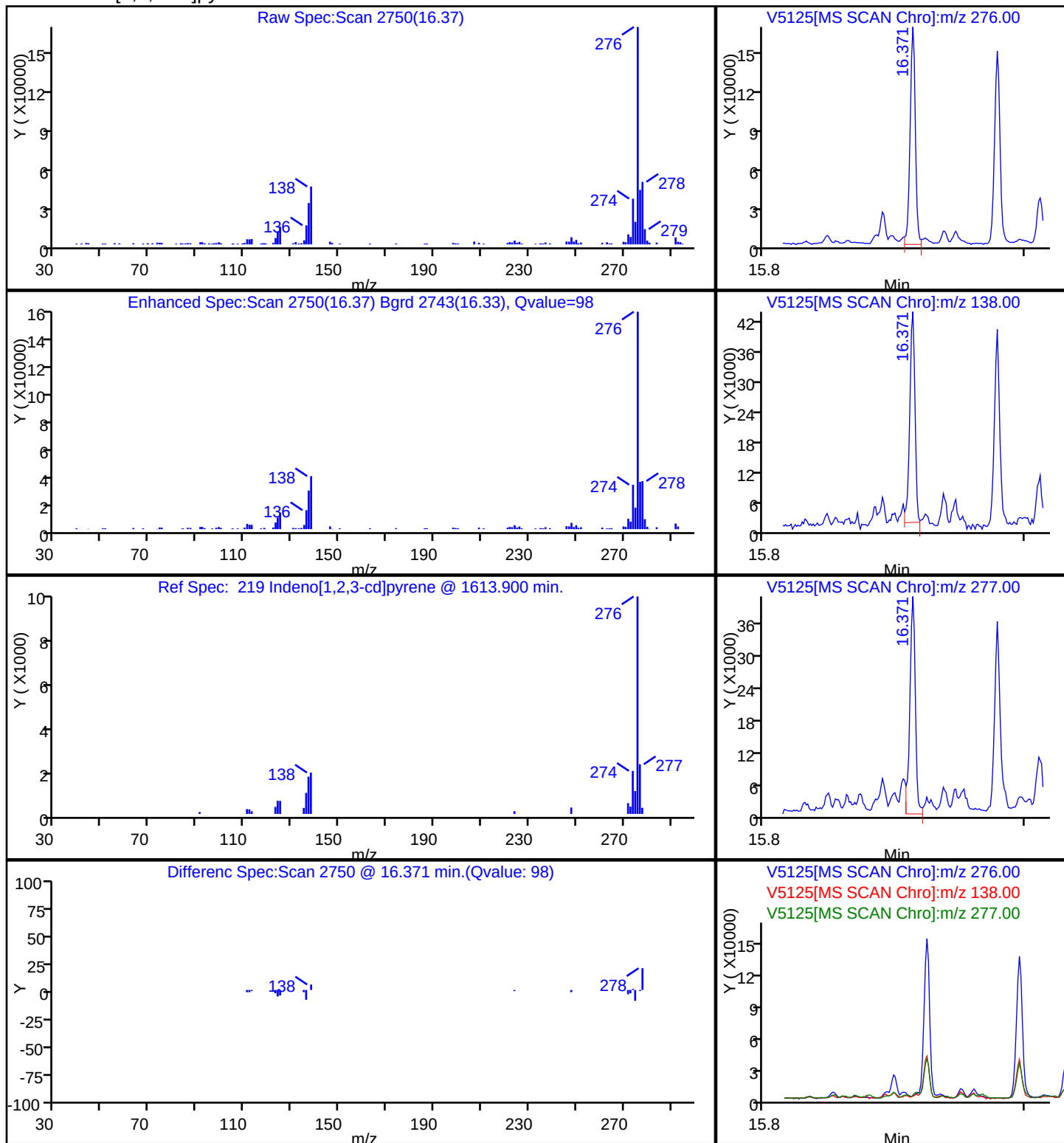
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

219 Indeno[1,2,3-cd]pyrene



Report Date: 19-Sep-2011 10:33:06

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

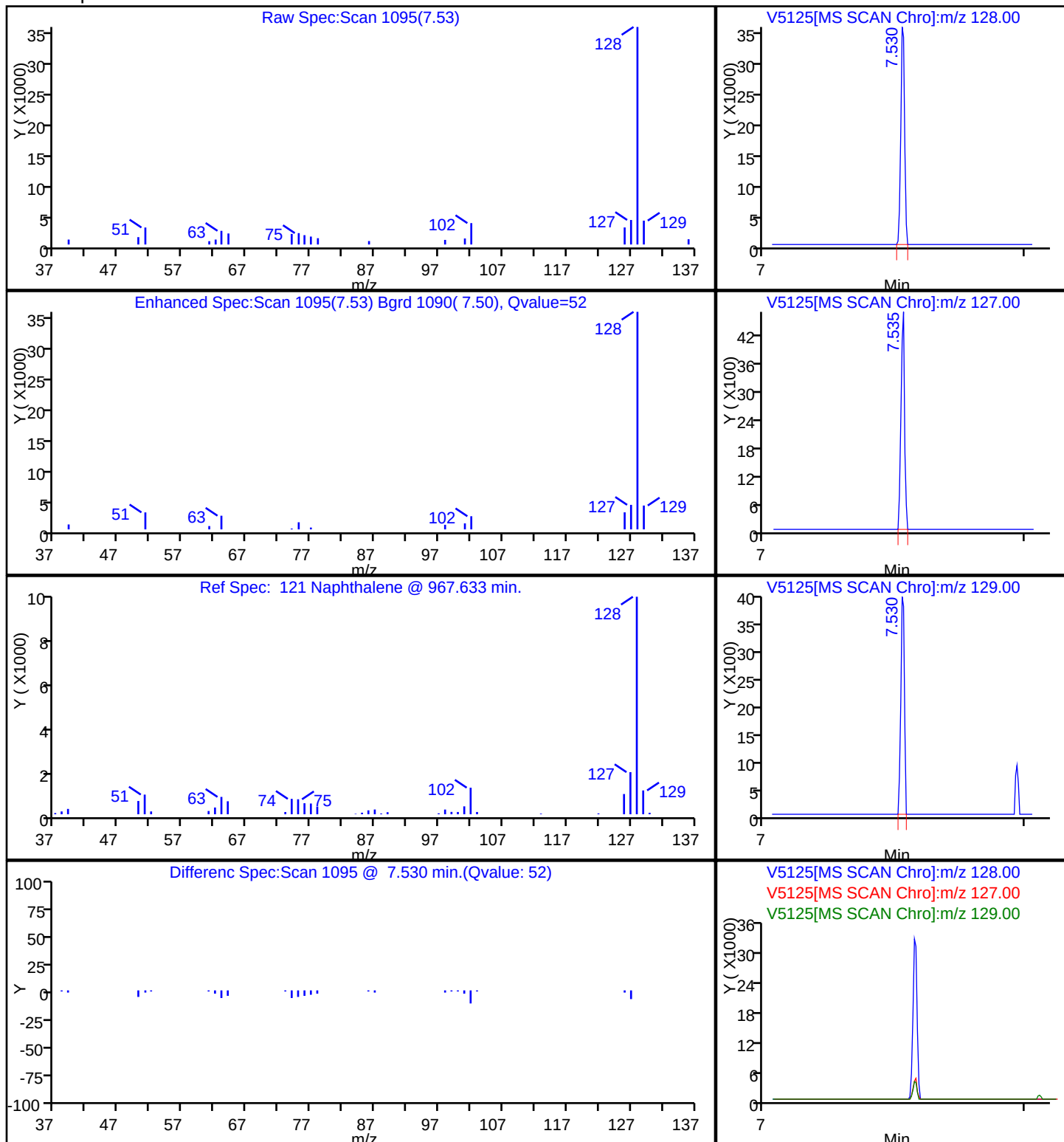
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

121 Naphthalene



Report Date: 19-Sep-2011 10:33:06

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

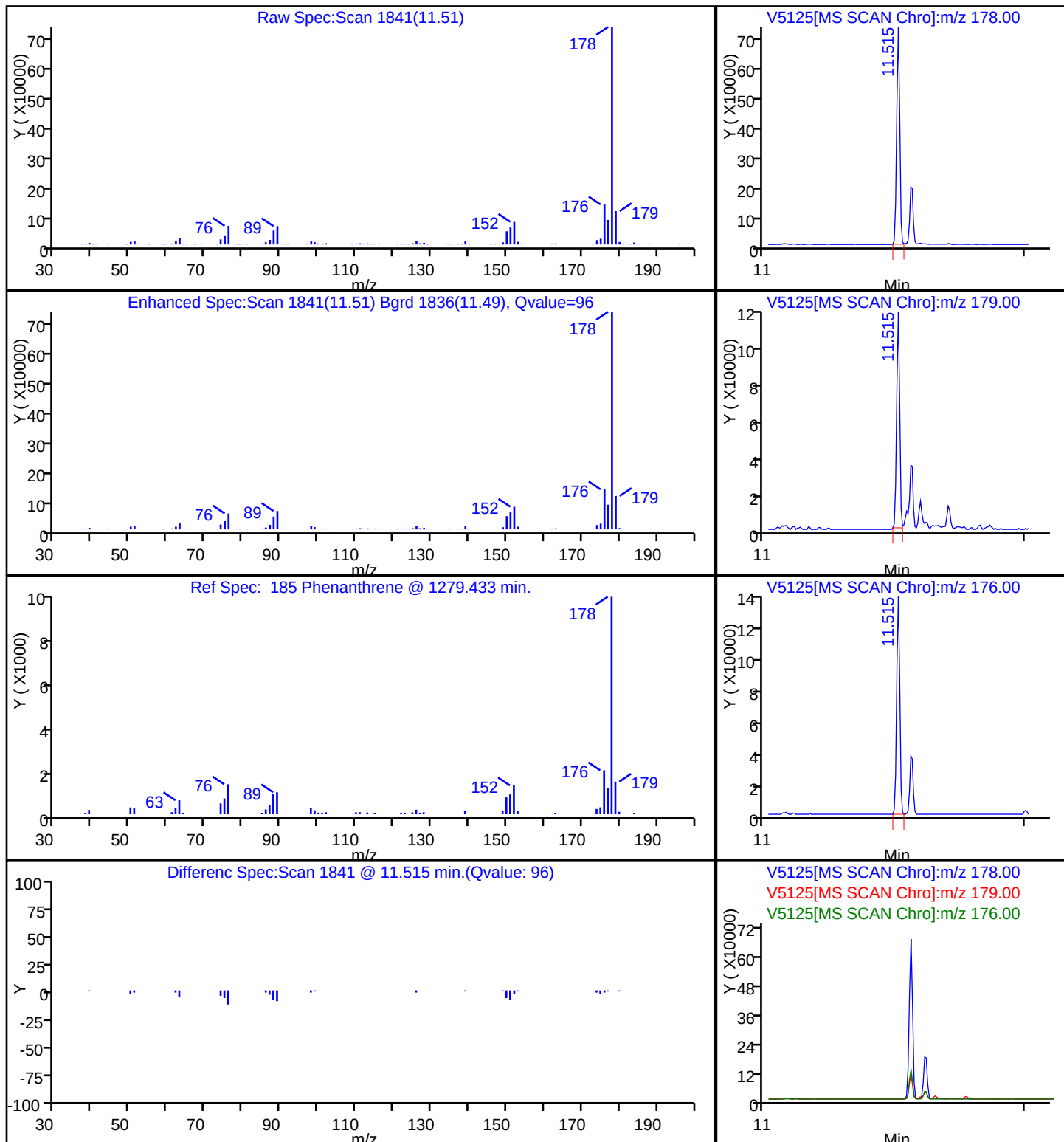
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

185 Phenanthrene



Report Date: 19-Sep-2011 10:33:06

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

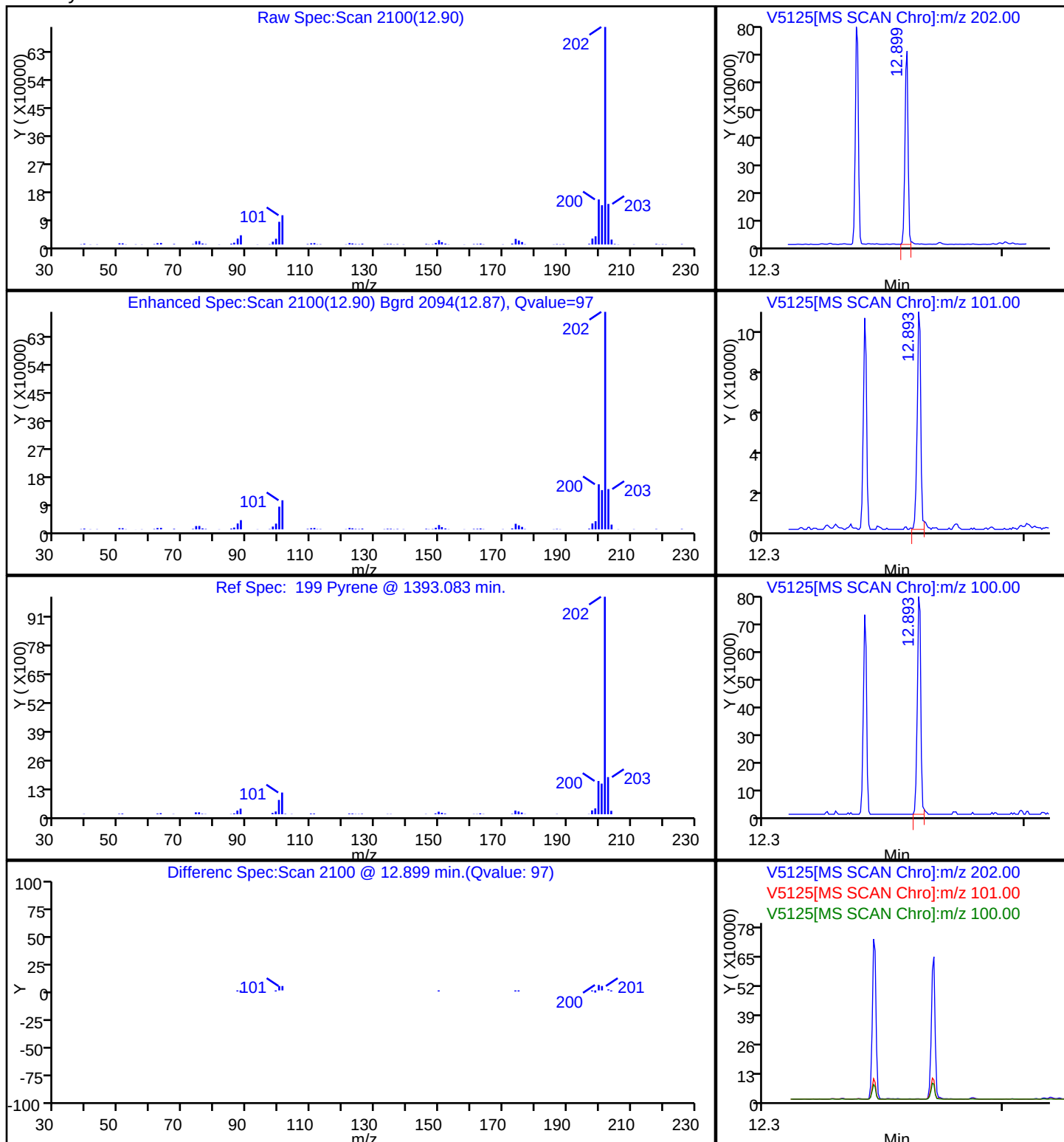
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

199 Pyrene

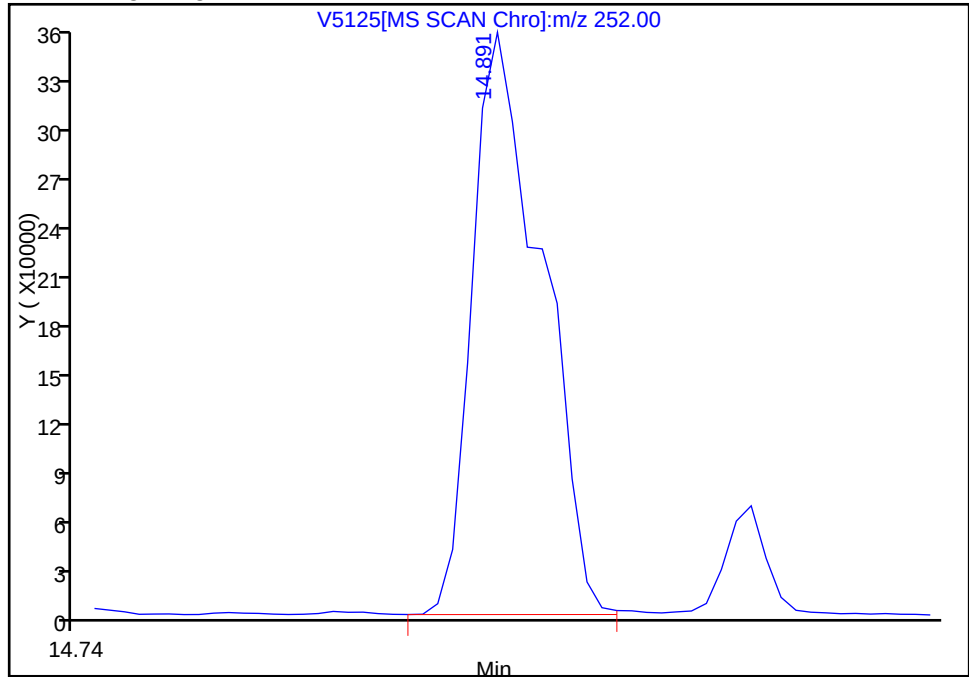


Data File:	\\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D		
Injection Date:	16-Sep-2011 14:52:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-B2 (3-4)	Instrument ID:	HP5973V
Lims Batch ID:	31527	Lims Sample ID:	16
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.89

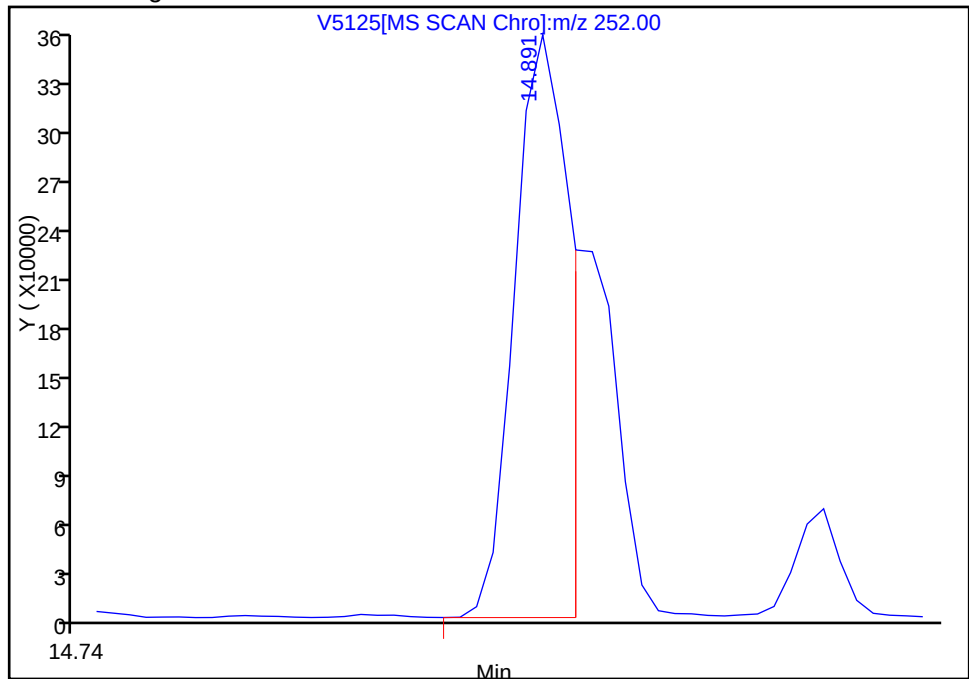
RT: 14.89
Response: 604080
Amount: 46.604025

Processing Integration Results



RT: 14.89
Response: 439040
Amount: 33.871393

Manual Integration Results



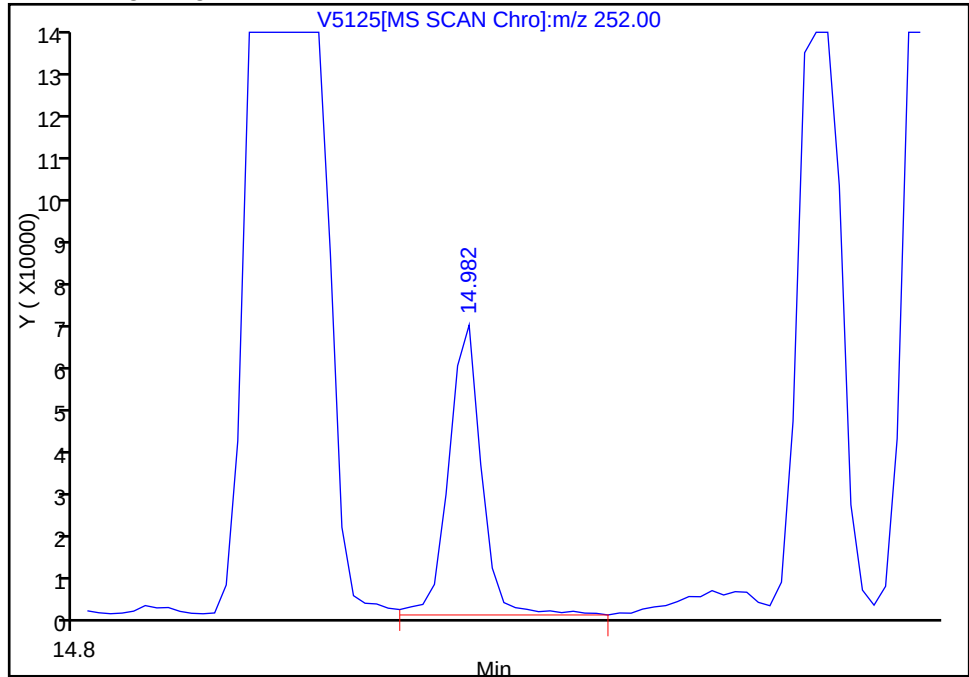
Reviewer: pagem, 19-Sep-2011 10:30:08
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

Data File:	\\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D		
Injection Date:	16-Sep-2011 14:52:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-B2 (3-4)	Instrument ID:	HP5973V
Lims Batch ID:	31527	Lims Sample ID:	16
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.92

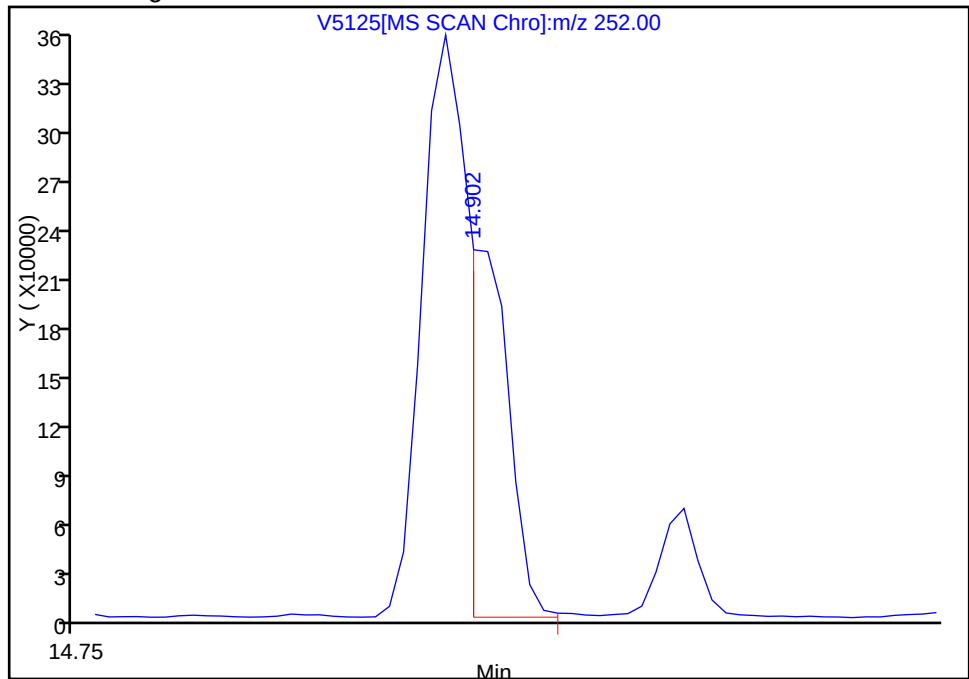
RT: 14.98
Response: 69243
Amount: 5.095609

Processing Integration Results



RT: 14.90
Response: 235871
Amount: 17.357802

Manual Integration Results



Reviewer: pagem, 19-Sep-2011 10:30:08
Audit Action: Split an Integrated Peak
Audit Reason: Wrong peak

Report Date: 19-Sep-2011 10:33:06

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

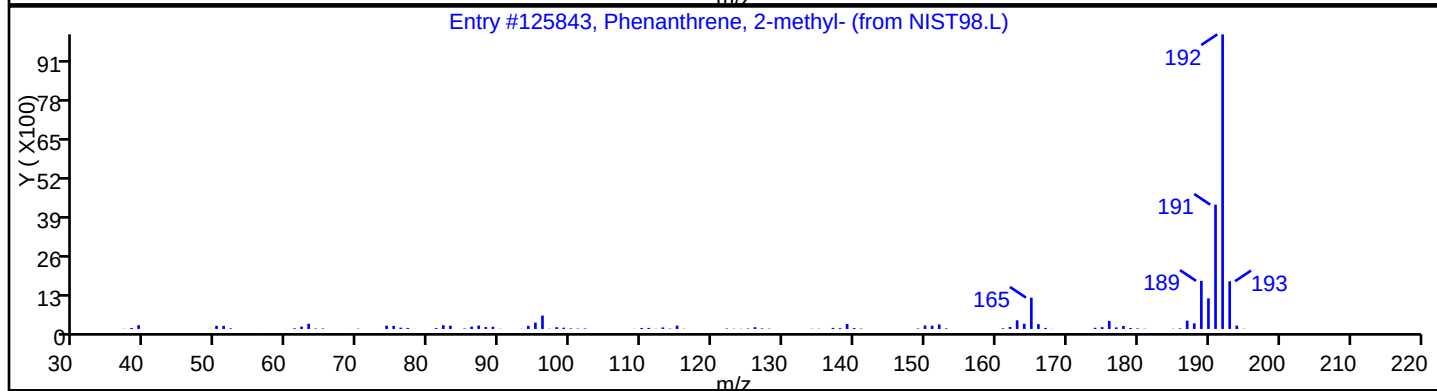
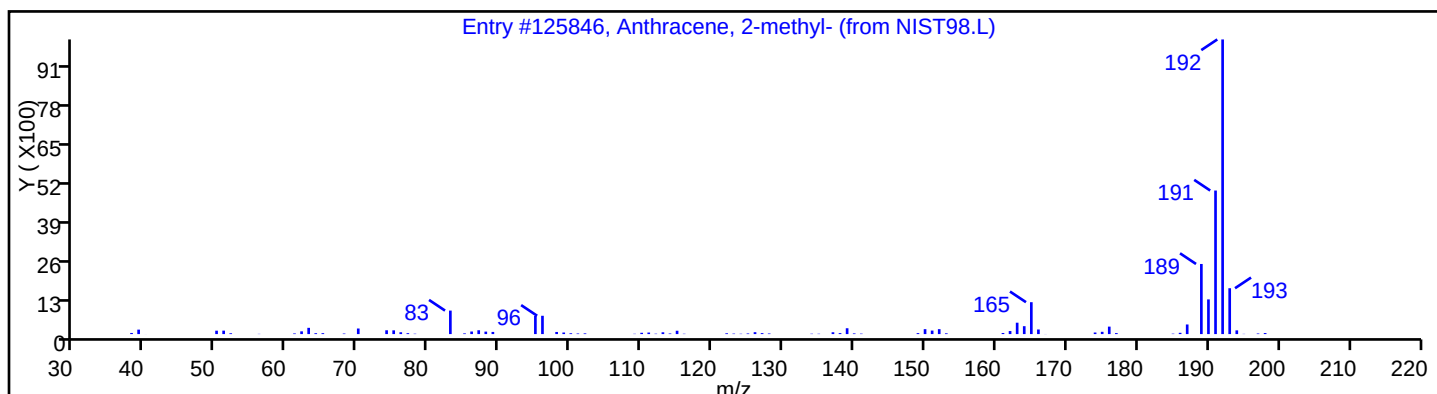
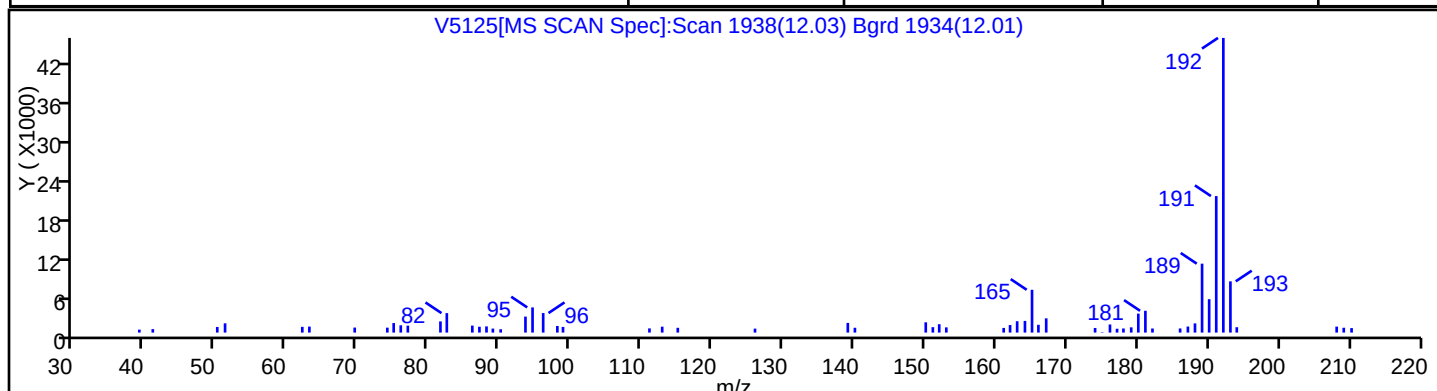
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Anthracene, 2-methyl-	613-12-7	NIST98.L	125846	95
Phenanthrene, 2-methyl-	2531-84-2	NIST98.L	125843	95



Report Date: 19-Sep-2011 10:33:06

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

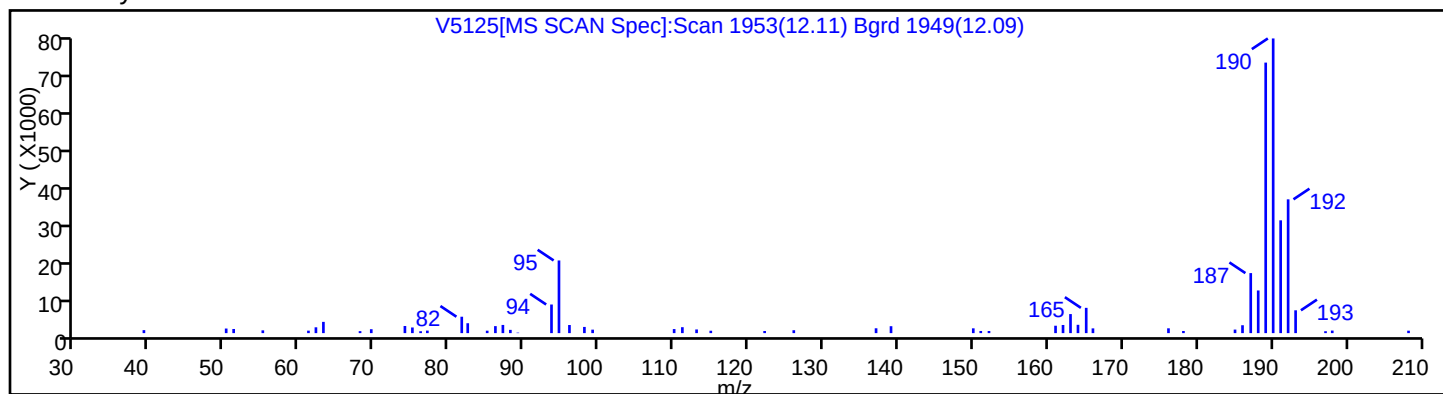
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Data File:

\\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

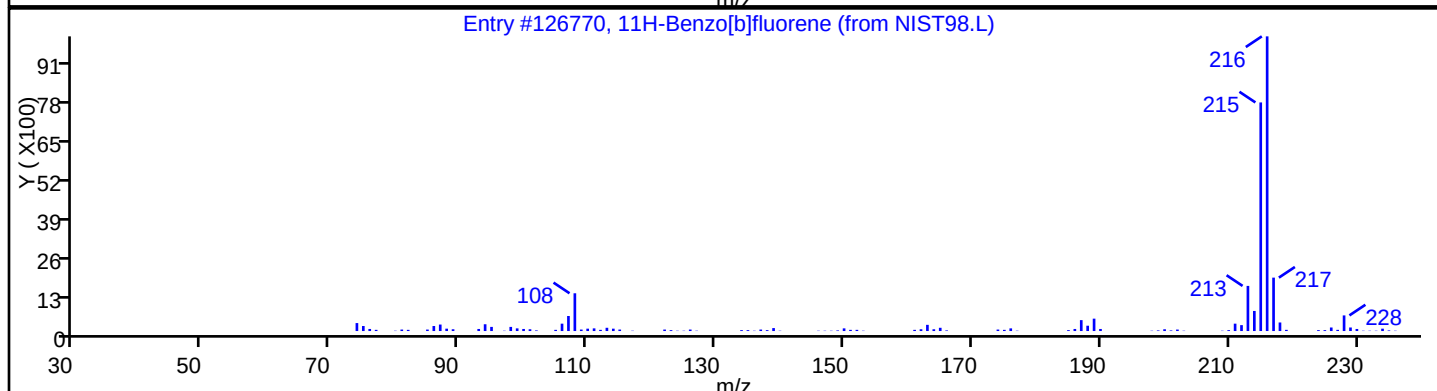
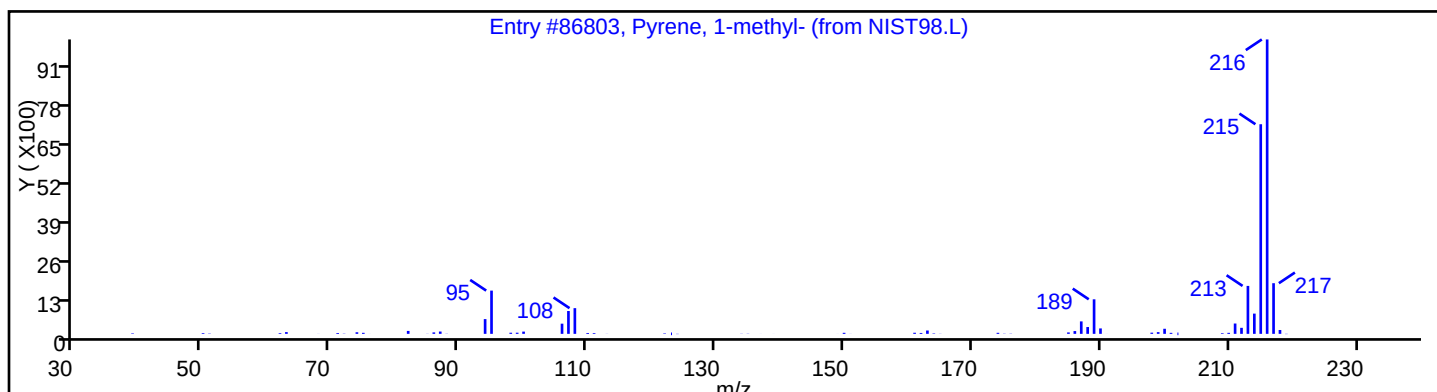
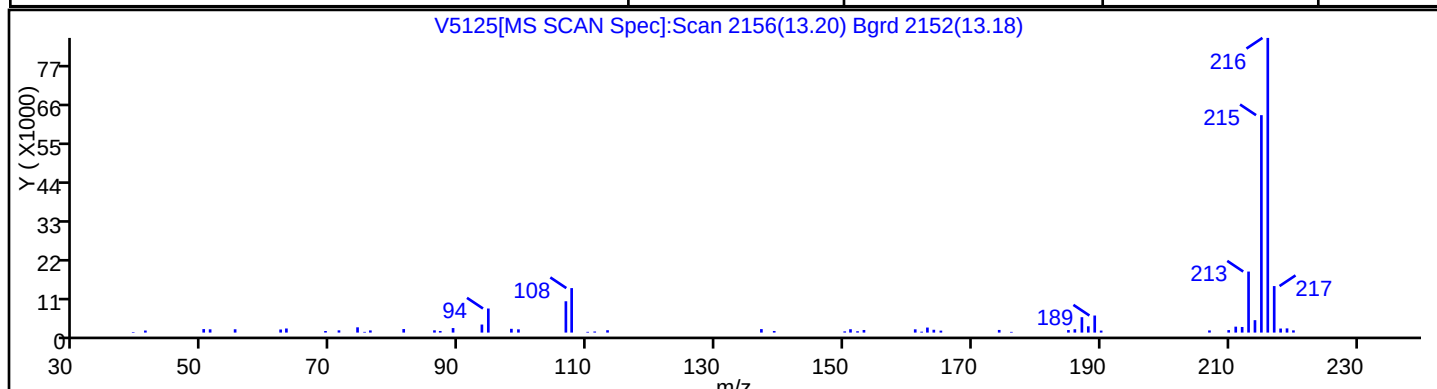
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Pyrene, 1-methyl-	2381-21-7	NIST98.L	86803	90
11H-Benzo[b]fluorene	243-17-4	NIST98.L	126770	87



Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

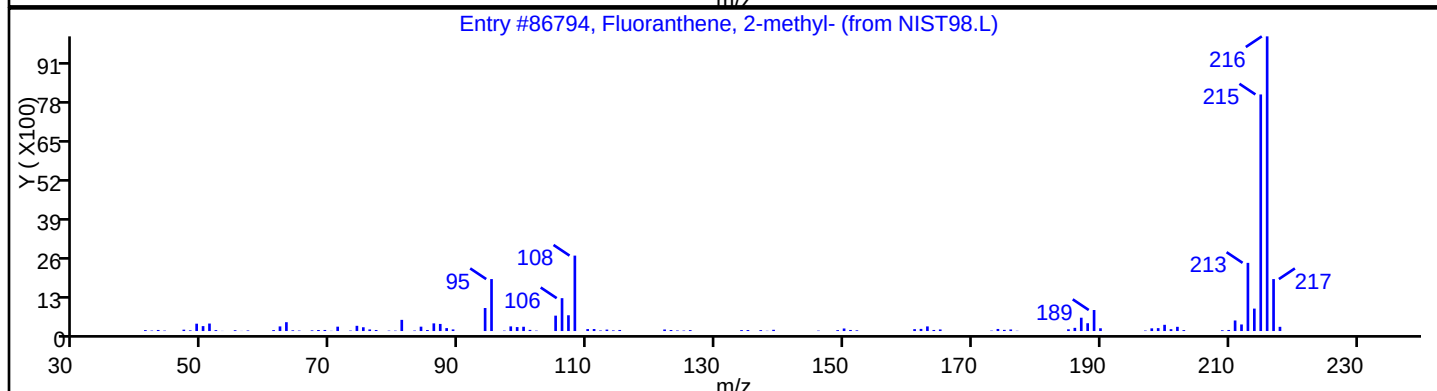
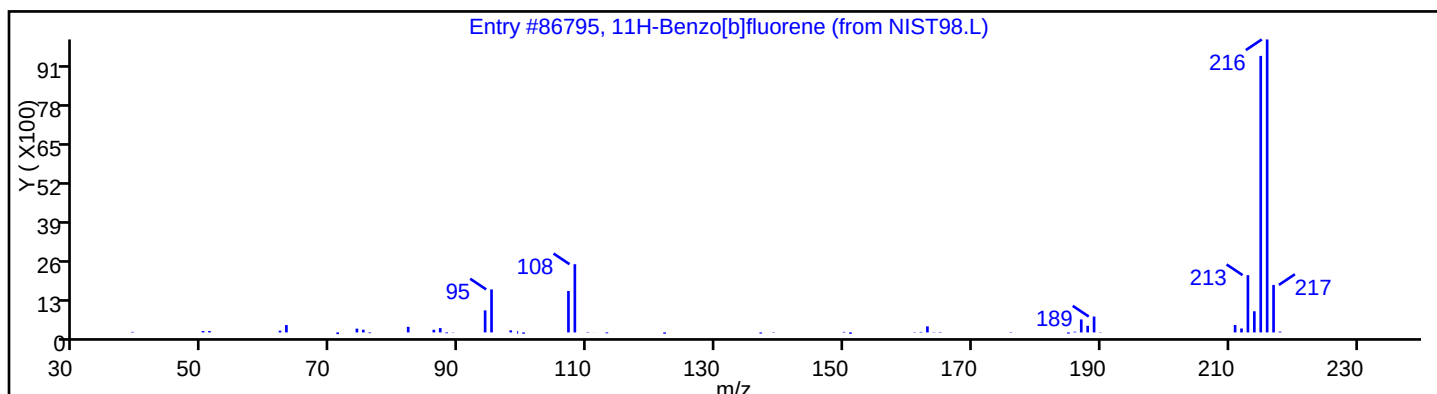
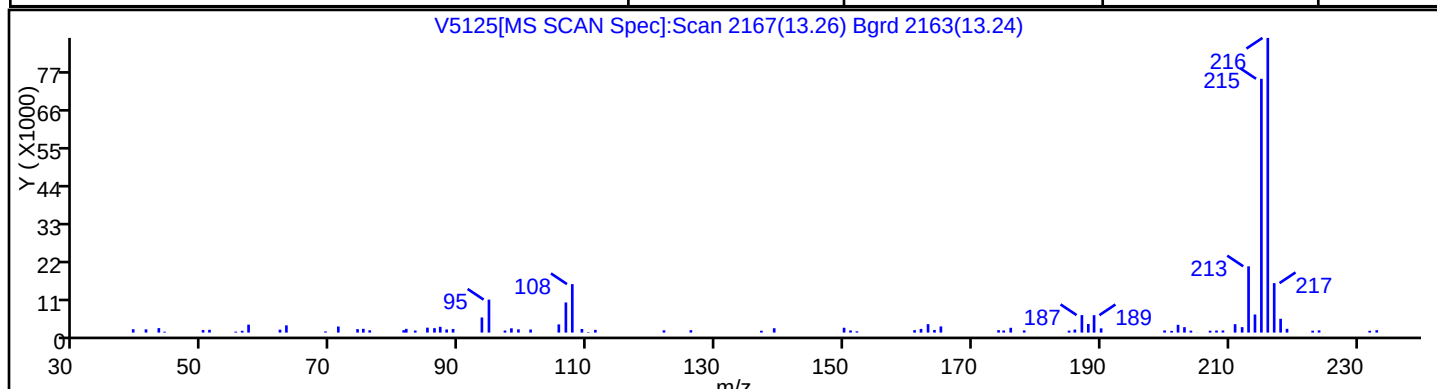
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
11H-Benzo[b]fluorene	243-17-4	NIST98.L	86795	97
Fluoranthene, 2-methyl-	33543-31-6	NIST98.L	86794	94



Report Date: 19-Sep-2011 10:33:06

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

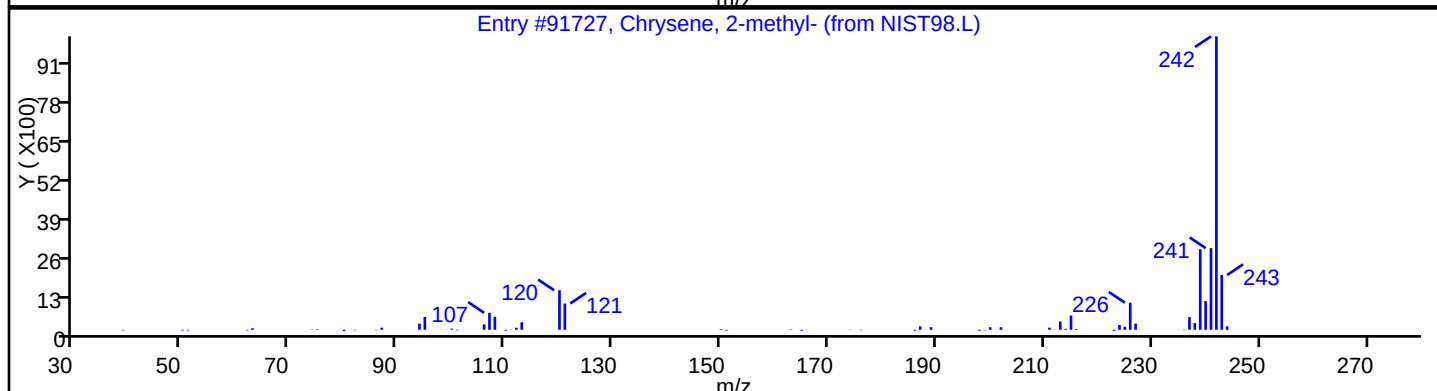
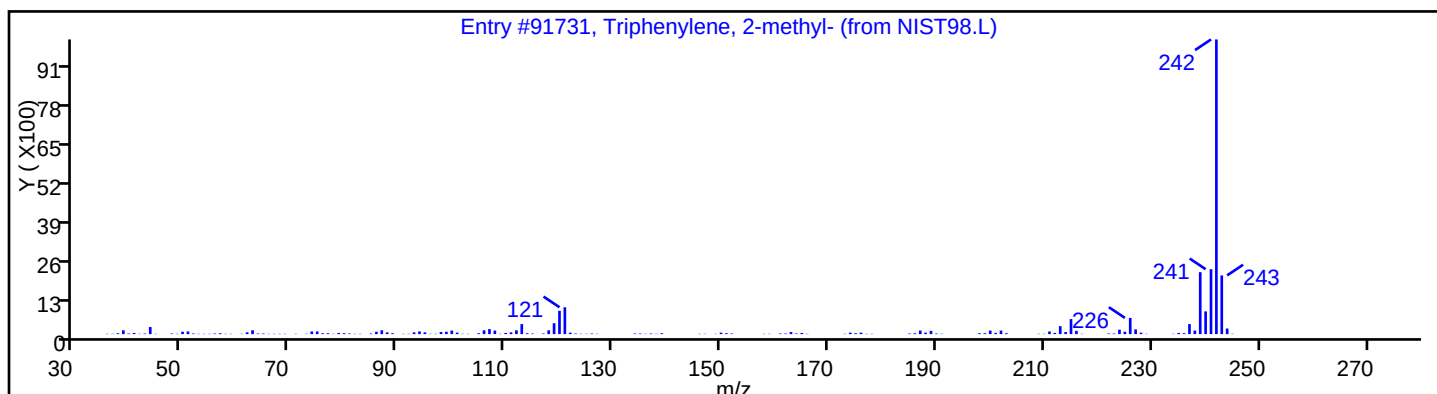
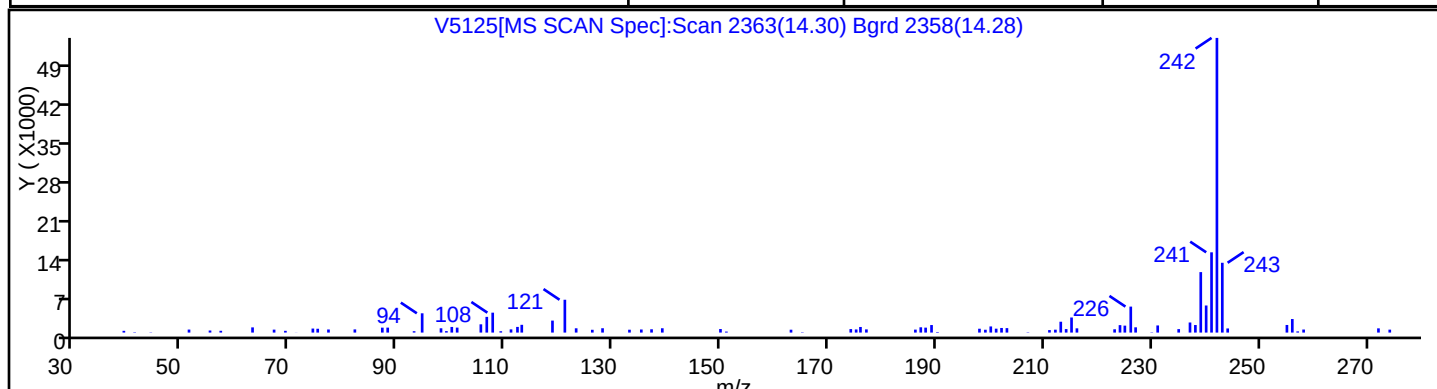
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Triphenylene, 2-methyl-	1705-84-6	NIST98.L	91731	94
Chrysene, 2-methyl-	3351-32-4	NIST98.L	91727	90



Report Date: 19-Sep-2011 10:33:06

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File:

\\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

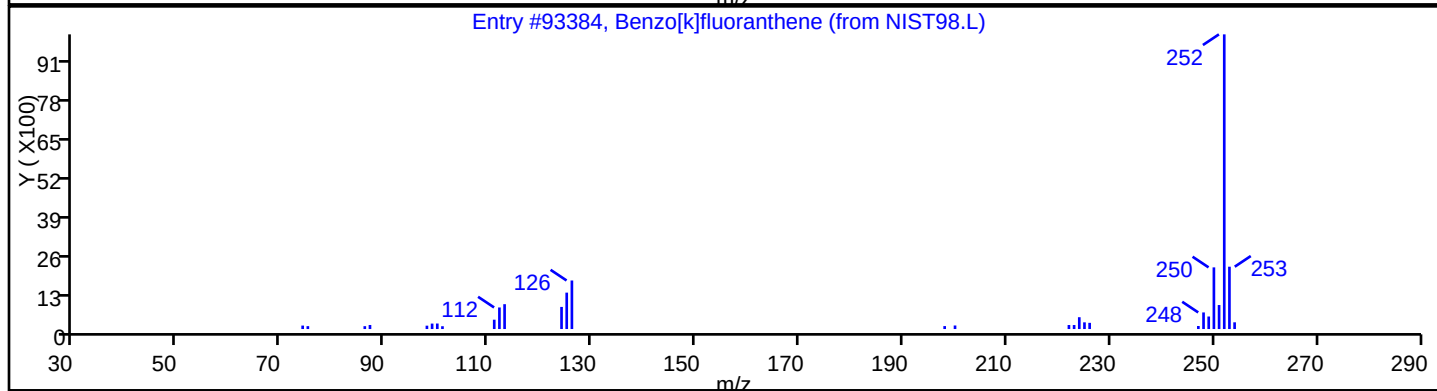
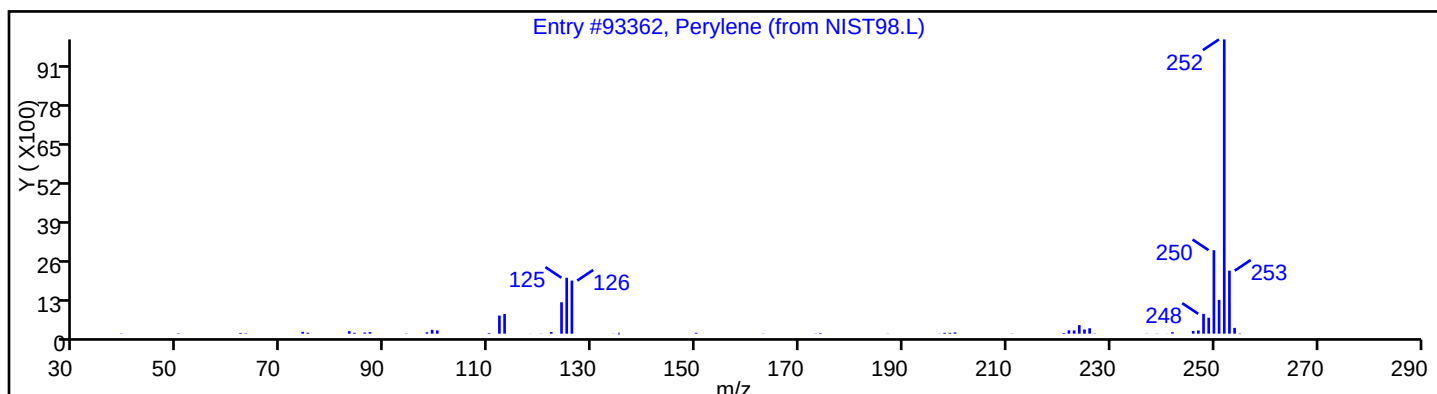
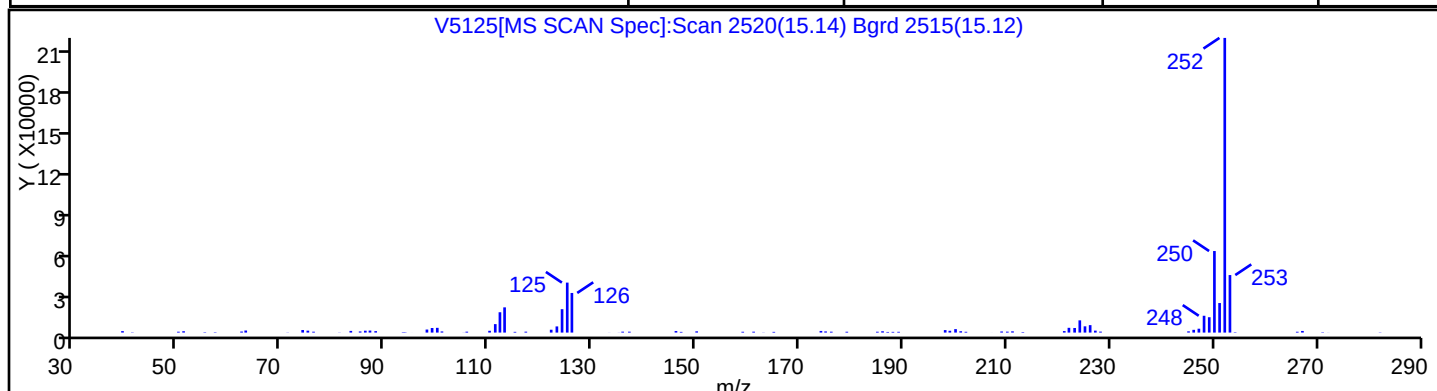
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Perylene	198-55-0	NIST98.L	93362	99
Benzo[k]fluoranthene	207-8-9	NIST98.L	93384	98



Report Date: 19-Sep-2011 10:33:06

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5125.D

Injection Date: 16-Sep-2011 14:52:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B2 (3-4)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 16

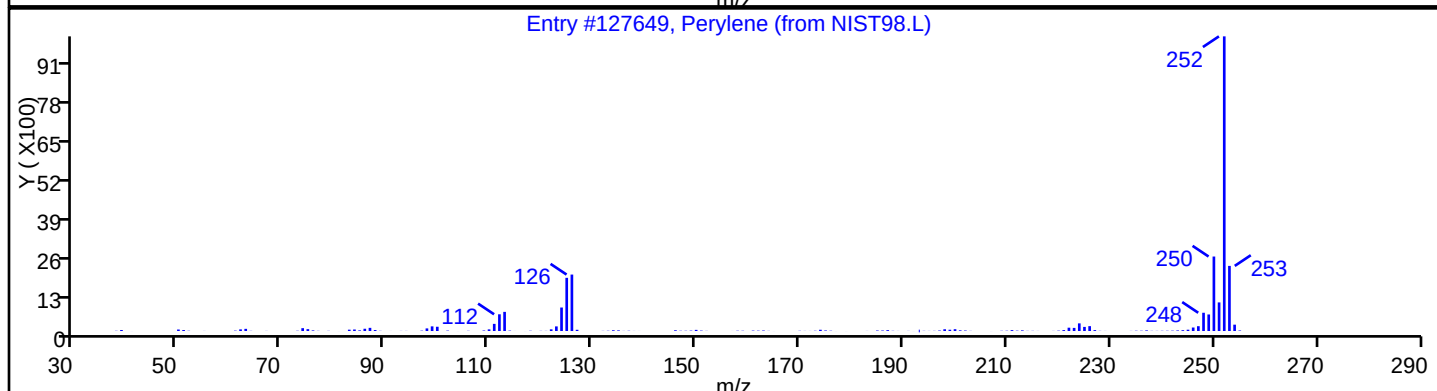
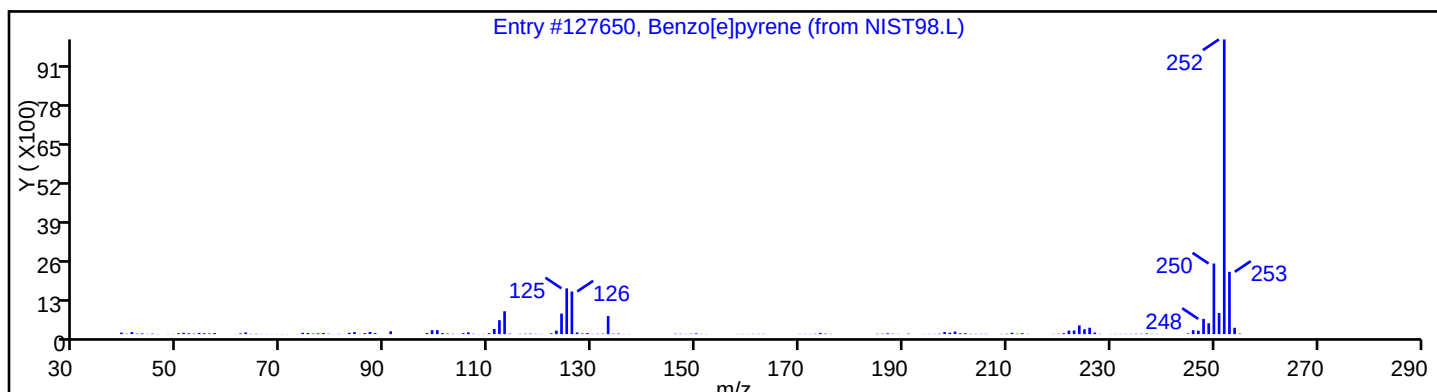
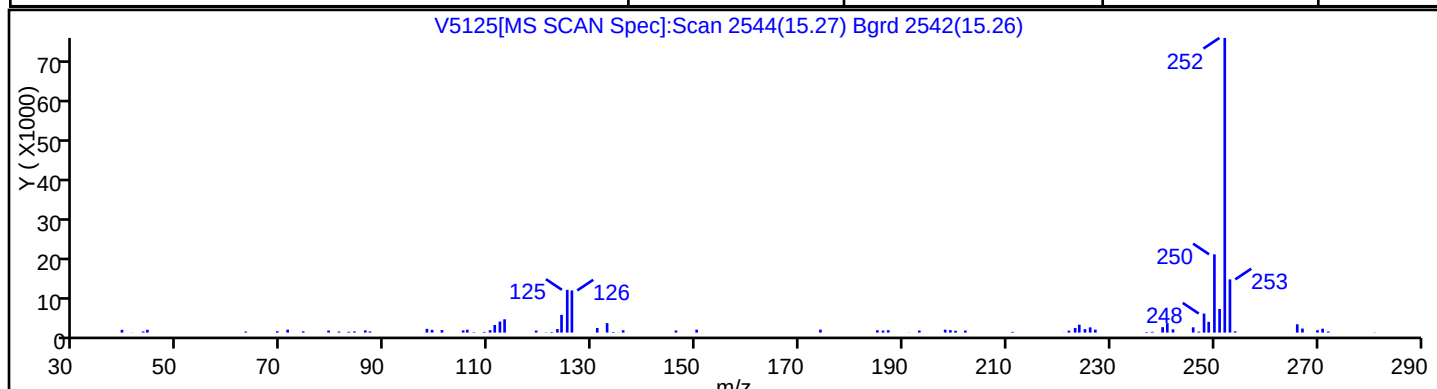
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Benzo[e]pyrene	192-97-2	NIST98.L	127650	91
Perylene	198-55-0	NIST98.L	127649	89



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>DUP-02</u>	Lab Sample ID: <u>480-9503-8</u>
Matrix: <u>Solid</u>	Lab File ID: <u>V5083.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/07/2011 11:00</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/12/2011 11:09</u>
Sample wt/vol: <u>+30.41(g)</u>	Date Analyzed: <u>09/15/2011 18:17</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>5</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>15.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>31329</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		990	210
88-06-2	2,4,6-Trichlorophenol	ND		990	65
120-83-2	2,4-Dichlorophenol	ND		990	52
105-67-9	2,4-Dimethylphenol	ND		990	270
51-28-5	2,4-Dinitrophenol	ND		1900	340
121-14-2	2,4-Dinitrotoluene	ND		990	150
606-20-2	2,6-Dinitrotoluene	ND		990	240
91-58-7	2-Chloronaphthalene	ND		990	66
95-57-8	2-Chlorophenol	ND		990	50
91-57-6	2-Methylnaphthalene	890	J	990	12
95-48-7	2-Methylphenol	ND		990	30
88-74-4	2-Nitroaniline	ND		1900	320
88-75-5	2-Nitrophenol	ND		990	45
91-94-1	3,3'-Dichlorobenzidine	ND		990	860
99-09-2	3-Nitroaniline	ND		1900	230
534-52-1	4,6-Dinitro-2-methylphenol	ND		1900	340
101-55-3	4-Bromophenyl phenyl ether	ND		990	310
59-50-7	4-Chloro-3-methylphenol	ND		990	40
106-47-8	4-Chloroaniline	ND		990	290
7005-72-3	4-Chlorophenyl phenyl ether	ND		990	21
106-44-5	4-Methylphenol	ND		1900	55
100-01-6	4-Nitroaniline	ND		1900	110
100-02-7	4-Nitrophenol	ND		1900	240
83-32-9	Acenaphthene	4400		990	12
208-96-8	Acenaphthylene	160	J	990	8.0
98-86-2	Acetophenone	ND		990	50
120-12-7	Anthracene	7900		990	25
1912-24-9	Atrazine	ND		990	44
100-52-7	Benzaldehyde	ND		990	110
56-55-3	Benzo(a)anthracene	13000		990	17
50-32-8	Benzo(a)pyrene	13000		990	24
205-99-2	Benzo(b)fluoranthene	15000		990	19
191-24-2	Benzo(g,h,i)perylene	7700		990	12
207-08-9	Benzo(k)fluoranthene	6200		990	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>DUP-02</u>	Lab Sample ID: <u>480-9503-8</u>
Matrix: <u>Solid</u>	Lab File ID: <u>V5083.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/07/2011 11:00</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/12/2011 11:09</u>
Sample wt/vol: <u>+30.41(g)</u>	Date Analyzed: <u>09/15/2011 18:17</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>5</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>15.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>31329</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	210	J	990	61
108-60-1	bis (2-chloroisopropyl) ether	ND		990	100
111-91-1	Bis(2-chloroethoxy)methane	ND		990	53
111-44-4	Bis(2-chloroethyl)ether	ND		990	85
117-81-7	Bis(2-ethylhexyl) phthalate	ND		990	320
85-68-7	Butyl benzyl phthalate	ND		990	260
105-60-2	Caprolactam	ND		990	430
86-74-8	Carbazole	3600		990	11
218-01-9	Chrysene	13000		990	9.8
53-70-3	Dibenz (a,h) anthracene	2200		990	12
132-64-9	Dibenzofuran	1900		990	10
84-66-2	Diethyl phthalate	ND		990	30
131-11-3	Dimethyl phthalate	ND		990	26
84-74-2	Di-n-butyl phthalate	ND		990	340
117-84-0	Di-n-octyl phthalate	ND		990	23
206-44-0	Fluoranthene	26000		990	14
86-73-7	Fluorene	3600		990	23
118-74-1	Hexachlorobenzene	ND		990	49
87-68-3	Hexachlorobutadiene	ND		990	50
77-47-4	Hexachlorocyclopentadiene	ND		990	300
67-72-1	Hexachloroethane	ND		990	76
193-39-5	Indeno (1,2,3-cd)pyrene	6400		990	27
78-59-1	Isophorone	ND		990	49
91-20-3	Naphthalene	1400		990	16
98-95-3	Nitrobenzene	ND		990	44
621-64-7	N-Nitrosodi-n-propylamine	ND		990	78
86-30-6	N-Nitrosodiphenylamine	ND		990	54
87-86-5	Pentachlorophenol	ND		1900	340
85-01-8	Phenanthrene	25000		990	21
108-95-2	Phenol	ND		990	100
129-00-0	Pyrene	22000		990	6.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: DUP-02 Lab Sample ID: 480-9503-8
Matrix: Solid Lab File ID: V5083.D
Analysis Method: 8270C Date Collected: 09/07/2011 11:00
Extract. Method: 3550B Date Extracted: 09/12/2011 11:09
Sample wt/vol: +30.41(g) Date Analyzed: 09/15/2011 18:17
Con. Extract Vol.: 1(mL) Dilution Factor: 5
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 15.3 GPC Cleanup: (Y/N) N
Analysis Batch No.: 31329 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	84		39-146
321-60-8	2-Fluorobiphenyl	101		37-120
367-12-4	2-Fluorophenol	101		18-120
4165-60-0	Nitrobenzene-d5	89		34-132
4165-62-2	Phenol-d5	96		11-120
1718-51-0	p-Terphenyl-d14	106		58-147

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

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>DUP-02</u>	Lab Sample ID: <u>480-9503-8</u>
Matrix: <u>Solid</u>	Lab File ID: <u>V5083.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/07/2011 11:00</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/12/2011 11:09</u>
Sample wt/vol: <u>+30.41(g)</u>	Date Analyzed: <u>09/15/2011 18:17</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>5</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>15.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>31329</u>	Units: <u>ug/Kg</u>
Number TICs Found: <u>15</u>	TIC Result Total: <u>40850</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	12.03	3100	T J
	Unknown	12.05	4200	T J
	Unknown	12.13	6400	T J
	Unknown	13.12	850	T J
	Unknown	13.22	1900	T J
	Unknown	13.28	1200	T J
	Unknown	13.31	920	T J
	Unknown	13.76	830	T J
	Unknown	13.82	850	T J
25732-74-5	3,4-Dihydrocyclopenta(cd)pyrene (acepyre	14.08	1000	T J N
	Unknown	14.33	1100	T J
	Unknown	15.01	2300	T J
	Unknown	15.17	9600	T J
	Unknown	15.30	4000	T J
	Unknown	16.91	2600	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D
 Lims ID: 480-9503-E-8-A Client ID: DUP-02
 Inject. Date: 15-Sep-2011 18:17:30 Dil. Factor: 5.0000
 Sample Type: Client
 Sample ID: 480-0005974-026
 Misc. Info.: 480-9503-E-8-A
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 26
 Lims Batch ID: 31329 Lims Sample ID: 26
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V-8270.m
 Last Update: 16-Sep-2011 10:27:08 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 16-Sep-2011 10:27:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.804	5.804	0.0	95	130601	40.0	
* 2 Naphthalene-d8	136	7.524	7.524	0.0	100	454973	40.0	
* 3 Acenaphthene-d10	164	9.805	9.805	0.0	91	296497	40.0	
* 4 Phenanthrene-d10	188	11.509	11.509	0.0	97	483163	40.0	
* 5 Chrysene-d12	240	13.988	13.983	0.005	96	495410	40.0	
* 6 Perylene-d12	264	15.276	15.270	0.006	97	565475	40.0	
\$ 9 2-Fluorophenol	112	3.923	3.923	0.0	89	123523	30.2	
\$ 10 Phenol-d5	99	5.307	5.312	-0.005	86	149874	28.9	
\$ 11 Nitrobenzene-d5	82	6.562	6.563	-0.001	84	81564	17.9	
\$ 12 2-Fluorobiphenyl	172	8.950	8.951	-0.001	99	191227	20.2	
\$ 13 2,4,6-Tribromophenol	330	10.751	10.756	-0.005	82	25216	25.1	
\$ 14 p-Terphenyl-d14	244	13.053	13.053	0.0	96	227139	21.2	
88 Benzaldehyde	77		5.173					
89 Phenol	94		5.328					
91 Bis(2-chloroethyl)ether	93		5.435					
93 2-Chlorophenol	128		5.510					
98 2-Methylphenol	108		6.178					
99 2,2'-oxybis[1-chloropropane]	45		6.205					
104 Acetophenone	105		6.359					
101 N-Nitrosodi-n-propylamine	70		6.376					
102 4-Methylphenol	108		6.392					
106 Hexachloroethane	117		6.504					
107 Nitrobenzene	77		6.589					
110 Isophorone	82		6.915					
111 2-Nitrophenol	139		7.022					
112 2,4-Dimethylphenol	107		7.113					
115 Bis(2-chloroethoxy)methane	93		7.225					
117 2,4-Dichlorophenol	162		7.353					
121 Naphthalene	128	7.551	7.556	-0.005	65	81098	7.25	
123 4-Chloroaniline	127		7.636					
126 Hexachlorobutadiene	225		7.754					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113		8.042					
131 4-Chloro-3-methylphenol	107		8.299					
133 2-Methylnaphthalene	142	8.464	8.464	0.0	80	35222	4.58	
136 Hexachlorocyclopentadiene	237		8.694					
139 2,4,6-Trichlorophenol	196		8.844					
140 2,4,5-Trichlorophenol	196		8.886					
144 1,1'-Biphenyl	154	9.073	9.073	0.0	63	12065	1.10	
143 2-Chloronaphthalene	162		9.089					
145 2-Nitroaniline	65		9.228					
147 Dimethyl phthalate	163		9.479					
148 2,6-Dinitrotoluene	165		9.544					
149 Acenaphthylene	152	9.624	9.618	0.006	63	10431	0.8144	
150 3-Nitroaniline	138		9.752					
151 Acenaphthene	153	9.843	9.843	0.0	93	182454	22.7	
152 2,4-Dinitrophenol	184		9.885					
153 4-Nitrophenol	109		9.987					
154 2,4-Dinitrotoluene	165		10.051					
155 Dibenzofuran	168	10.062	10.062	0.0	88	113203	9.69	
160 Diethyl phthalate	149		10.361					
161 Fluorene	166	10.473	10.473	0.0	84	179632	18.8	
162 4-Chlorophenyl phenyl ether	204		10.484					
164 4-Nitroaniline	138		10.500					
166 4,6-Dinitro-2-methylphenol	198		10.543					
167 N-Nitrosodiphenylamine	169		10.617					
176 4-Bromophenyl phenyl ether	248		11.034					
177 Hexachlorobenzene	284		11.114					
180 Atrazine	200		11.221					
181 Pentachlorophenol	266		11.322					
185 Phenanthrene	178	11.536	11.536	0.0	98	1632707	126.3	
188 Anthracene	178	11.584	11.590	-0.006	98	530297	40.6	
189 Carbazole	167	11.750	11.755	-0.005	80	227847	18.8	
192 Di-n-butyl phthalate	149		12.113					
197 Fluoranthene	202	12.711	12.706	0.005	98	1887752	135.6	
199 Pyrene	202	12.920	12.914	0.006	95	1766867	113.1	
205 Butyl benzyl phthalate	149		13.481					
208 3,3'-Dichlorobenzidine	252		13.946					
210 Bis(2-ethylhexyl) phthalate	149	13.972	13.967	0.005	17	9629	0.9192	
209 Benzo[a]anthracene	228	13.983	13.978	0.005	98	995342	68.9	
211 Chrysene	228	14.015	14.010	0.005	89	949292	67.8	
212 Di-n-octyl phthalate	149		14.501					
213 Benzo[b]fluoranthene	252	14.918	14.912	0.006	96	1265772	77.0	M
214 Benzo[k]fluoranthene	252	14.939	14.934	0.005	99	546603	31.7	M
217 Benzo[a]pyrene	252	15.228	15.217	0.011	75	919369	66.7	
219 Indeno[1,2,3-cd]pyrene	276	16.414	16.408	0.006	97	555480	33.2	
220 Dibenz(a,h)anthracene	278	16.408	16.408	0.0	22	158409	11.3	
221 Benzo[g,h,i]perylene	276	16.739	16.734	0.005	92	526462	39.5	

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D
 Lims ID: 480-9503-E-8-A Client ID: DUP-02
 Inject. Date: 15-Sep-2011 18:17:30 Dil. Factor: 5.0000
 Sample Type: Client
 Sample ID: 480-0005974-026
 Misc. Info.: 480-9503-E-8-A
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 26
 Lims Batch ID: 31329 Lims Sample ID: 26
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V-8270.m
 Last Update: 16-Sep-2011 10:27:08 Calib Date: 08-Sep-2011 10:41:30
 Tic RT Window: 1.500 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\Bufchrom\ChromData\Database\NIST98.L
 Min. Match: 85
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 16-Sep-2011 10:27:08

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
12.028	517630	15.9	4	0	0	Unknown
12.054	693587	21.4	4	0	0	Unknown
12.134	1075361	33.1	4			Unknown
13.123	503318	4.37	5	0	0	Unknown
13.219	1146476	9.95	5	0	0	Unknown
13.278	738667	6.41	5	0	0	Unknown
13.310	548412	4.76	5	0	0	Unknown
13.764	495137	4.30	5	0	0	Unknown
13.817	504096	4.38	5			Unknown
14.084	601287	5.22	5	93	89291	25732-74-5 3,4-Dihydrocyclopenta(cd)pyrene (acepyre
14.325	655123	5.69	5	0	0	Unknown
15.009	469810	11.9	6	0	0	Unknown

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags

Unknown						
15.174	1946930	49.4	6	0	0	
Unknown						
15.302	818903	20.8	6	0	0	
Unknown						
16.905	527603	13.4	6	0	0	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL

* 4 Phenanthrene-d10	11.509	1298576	40.0
* 5 Chrysene-d12	13.983	4608021	40.0
* 6 Perylene-d12	15.276	1576401	40.0

QC Flag Legend

Processing Flags

Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

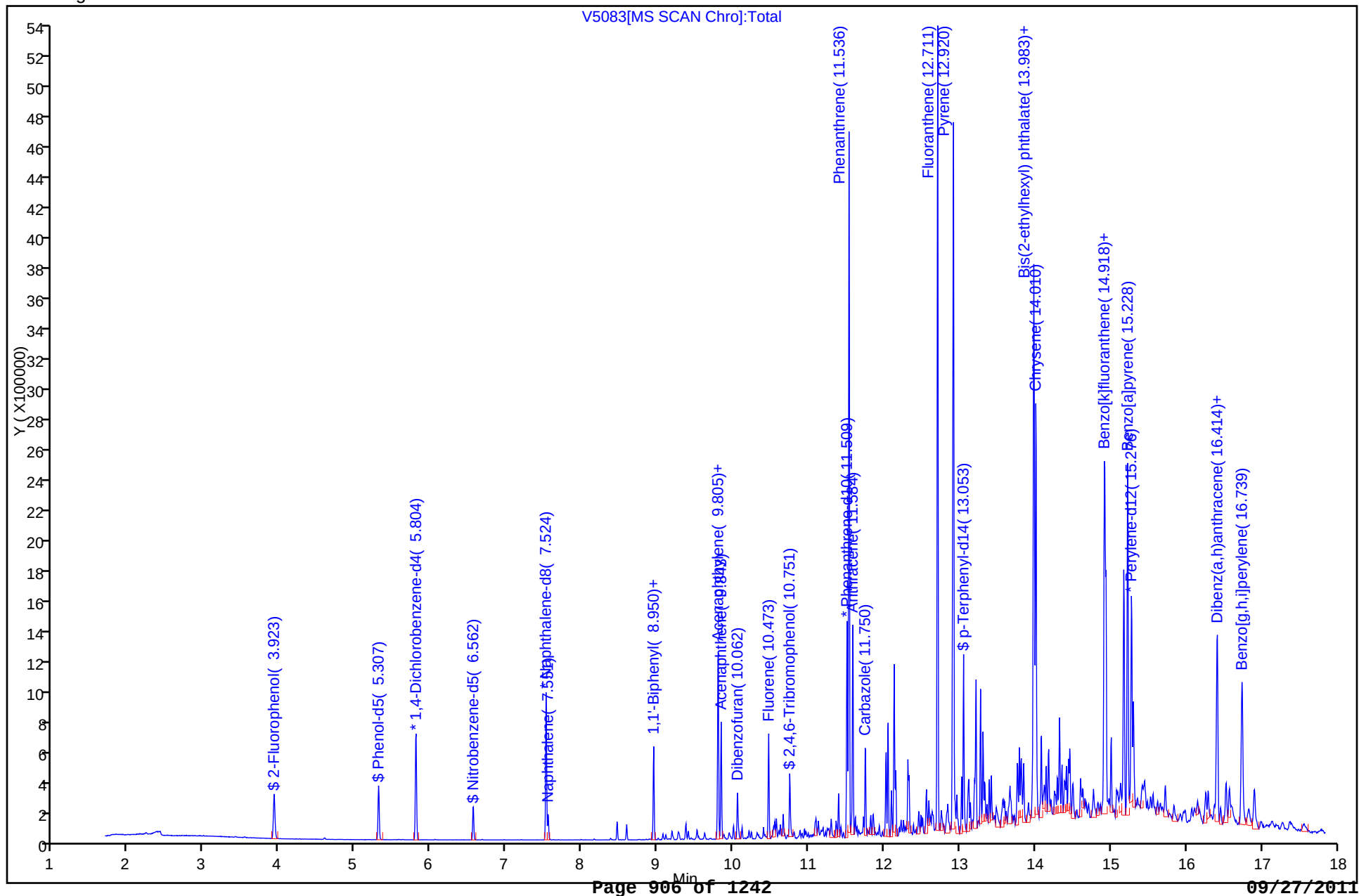
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

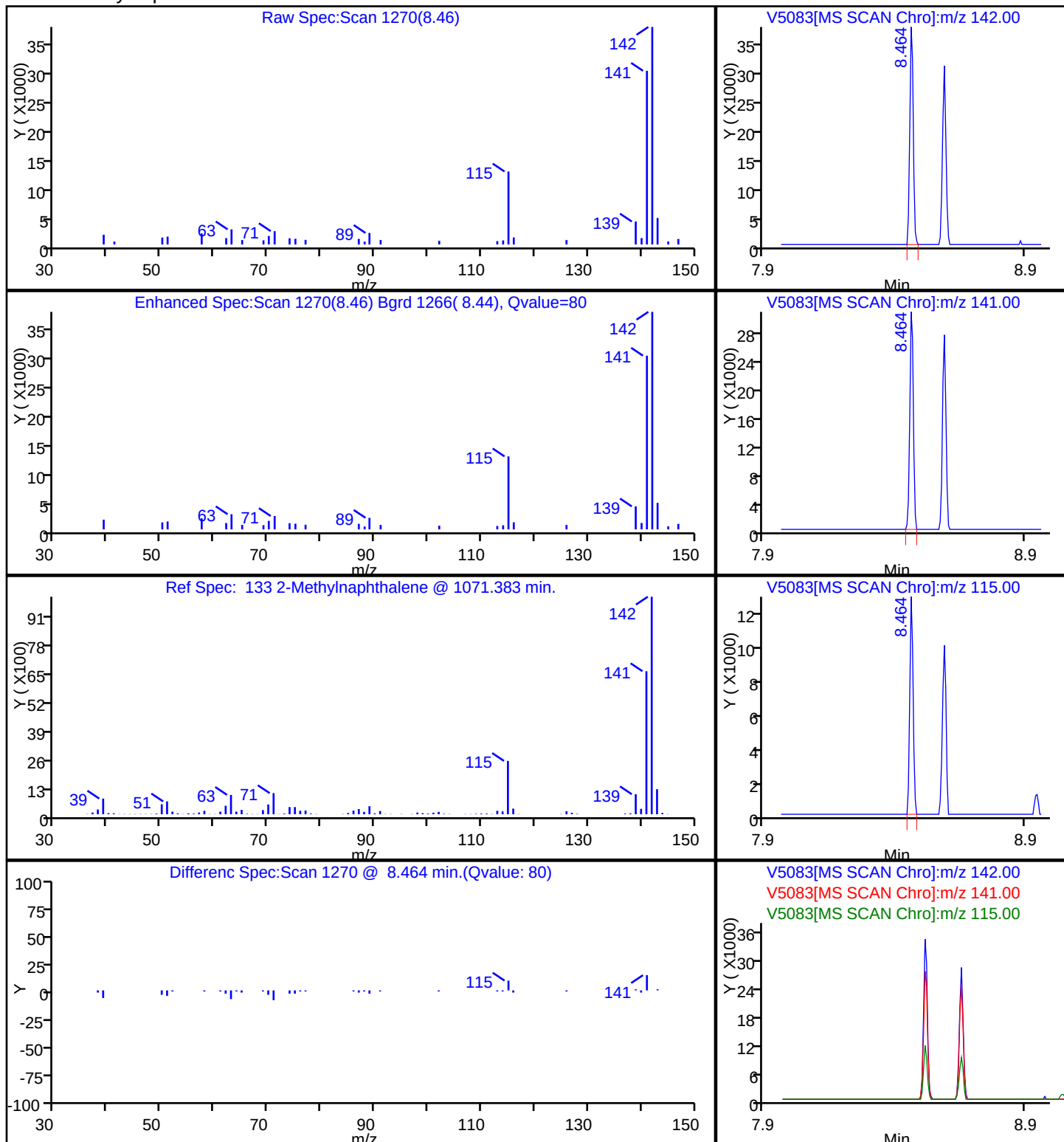
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

133 2-Methylnaphthalene



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

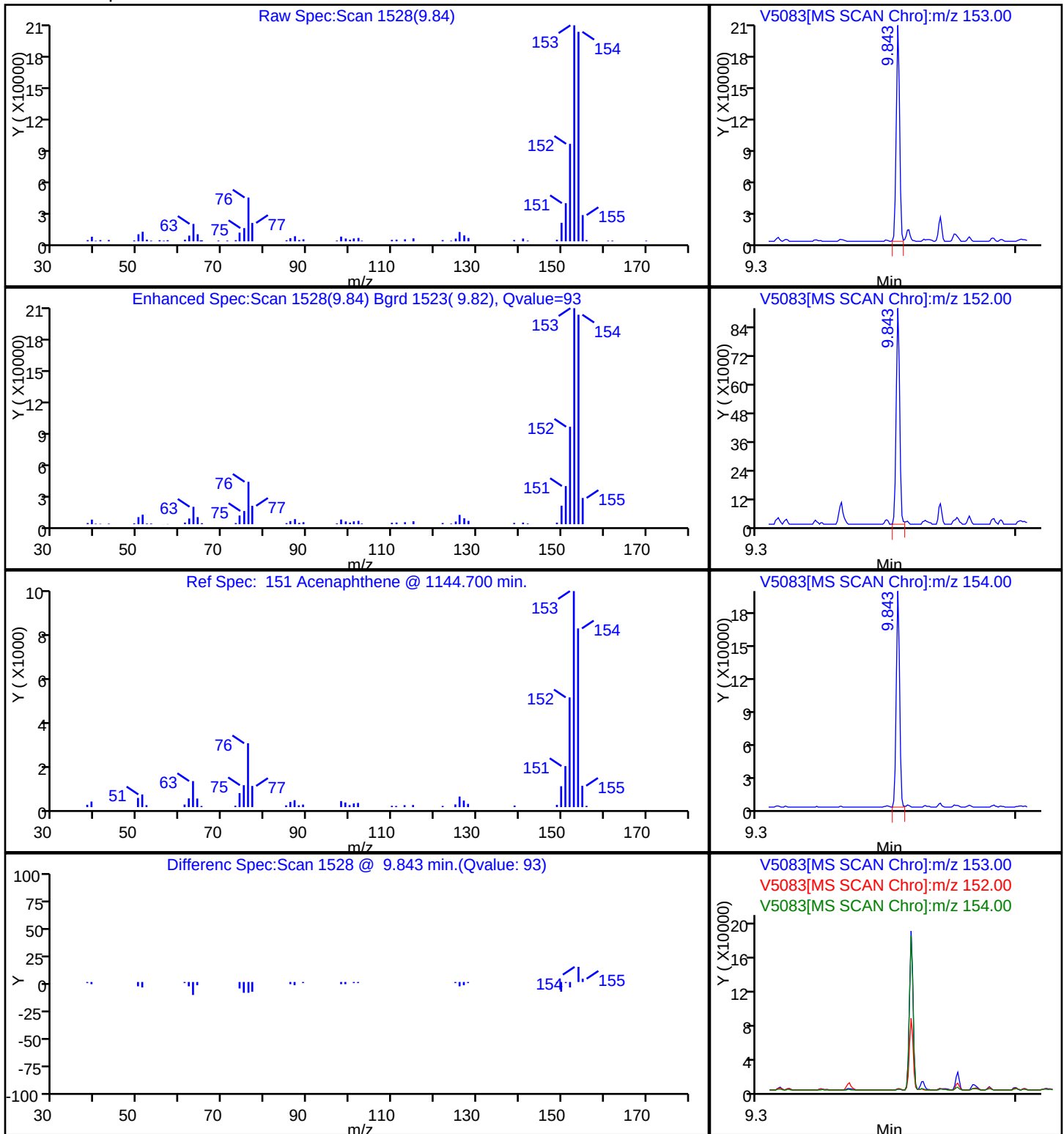
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

151 Acenaphthene



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

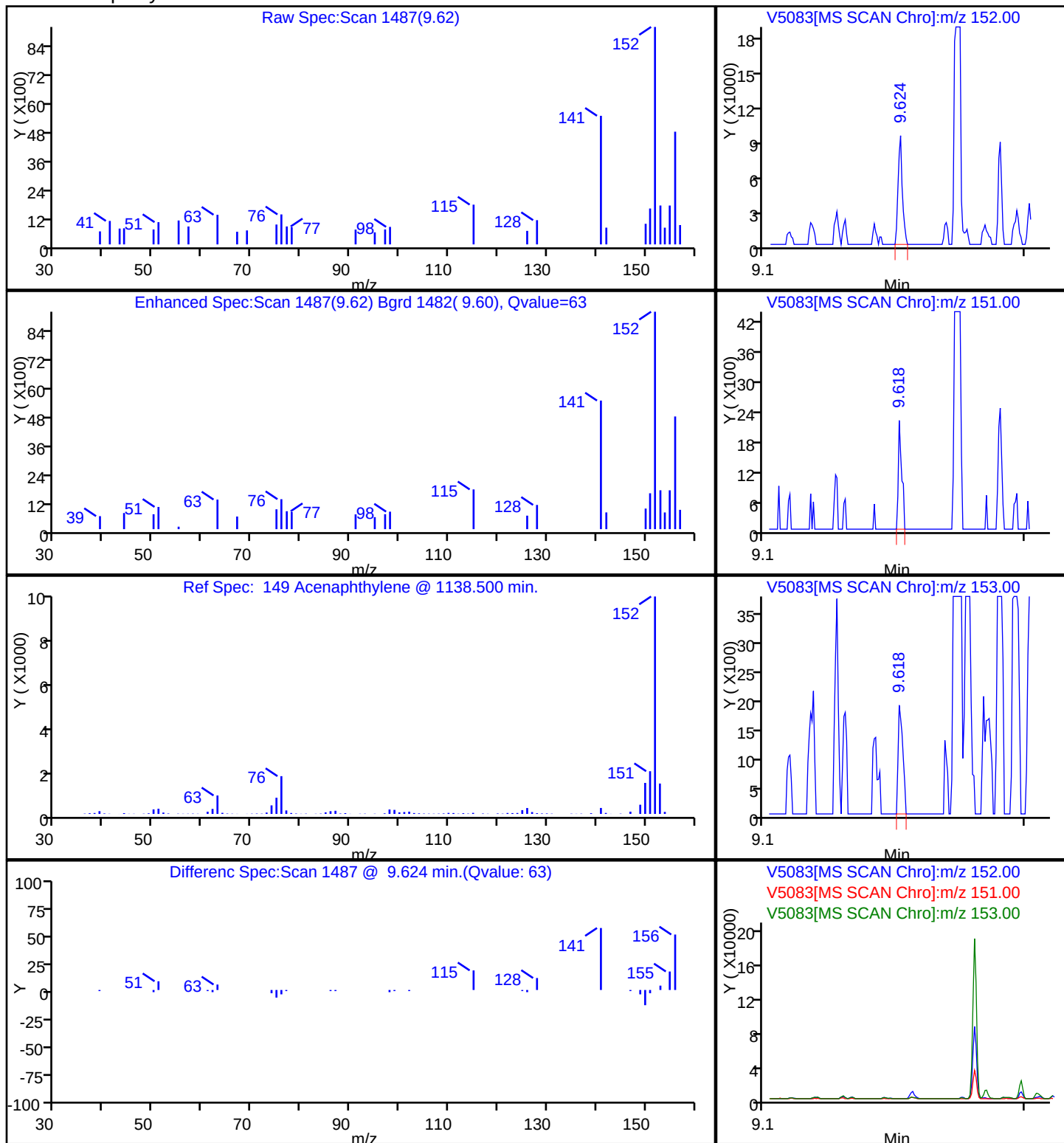
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

149 Acenaphthylene



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

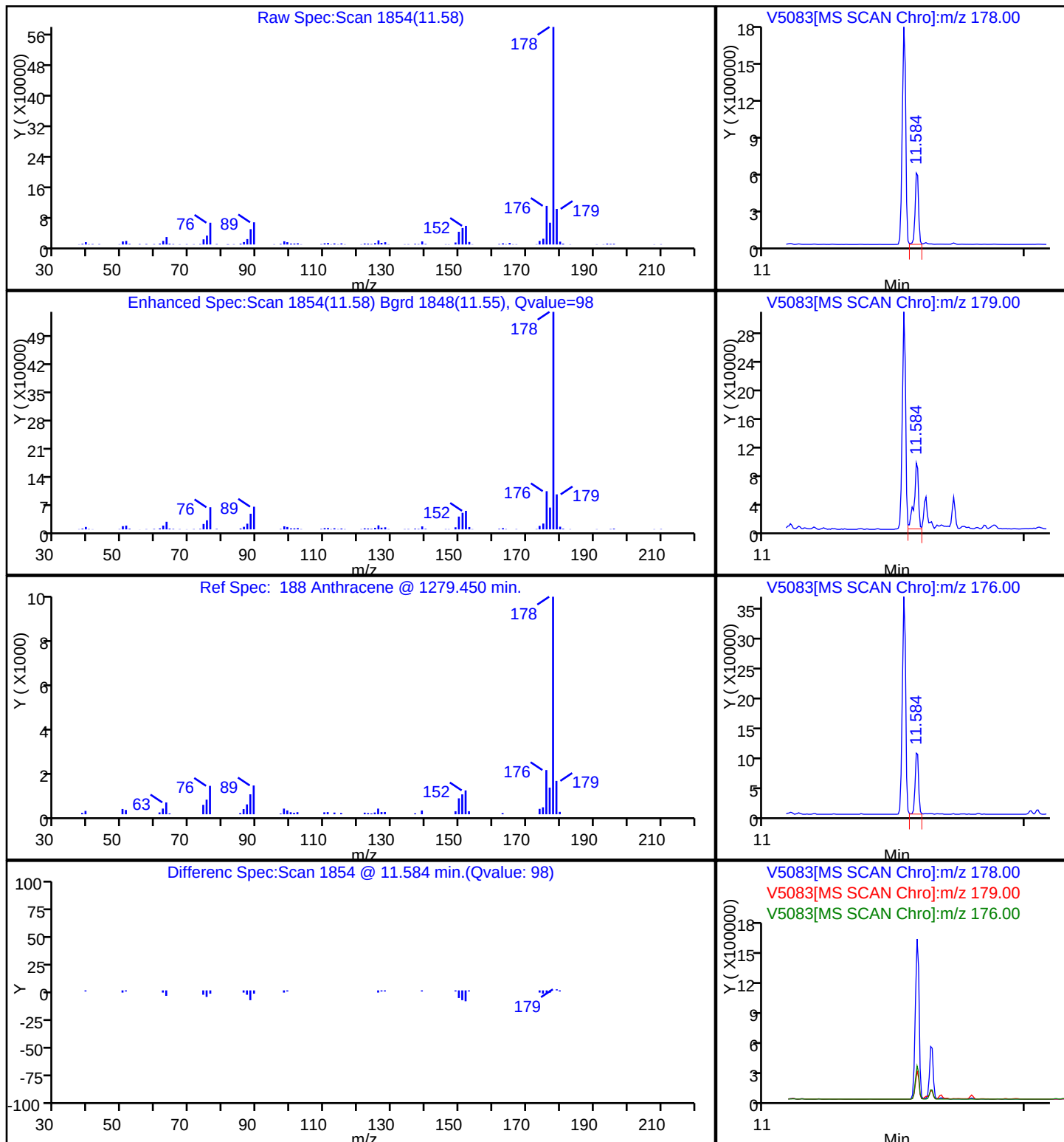
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

188 Anthracene



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

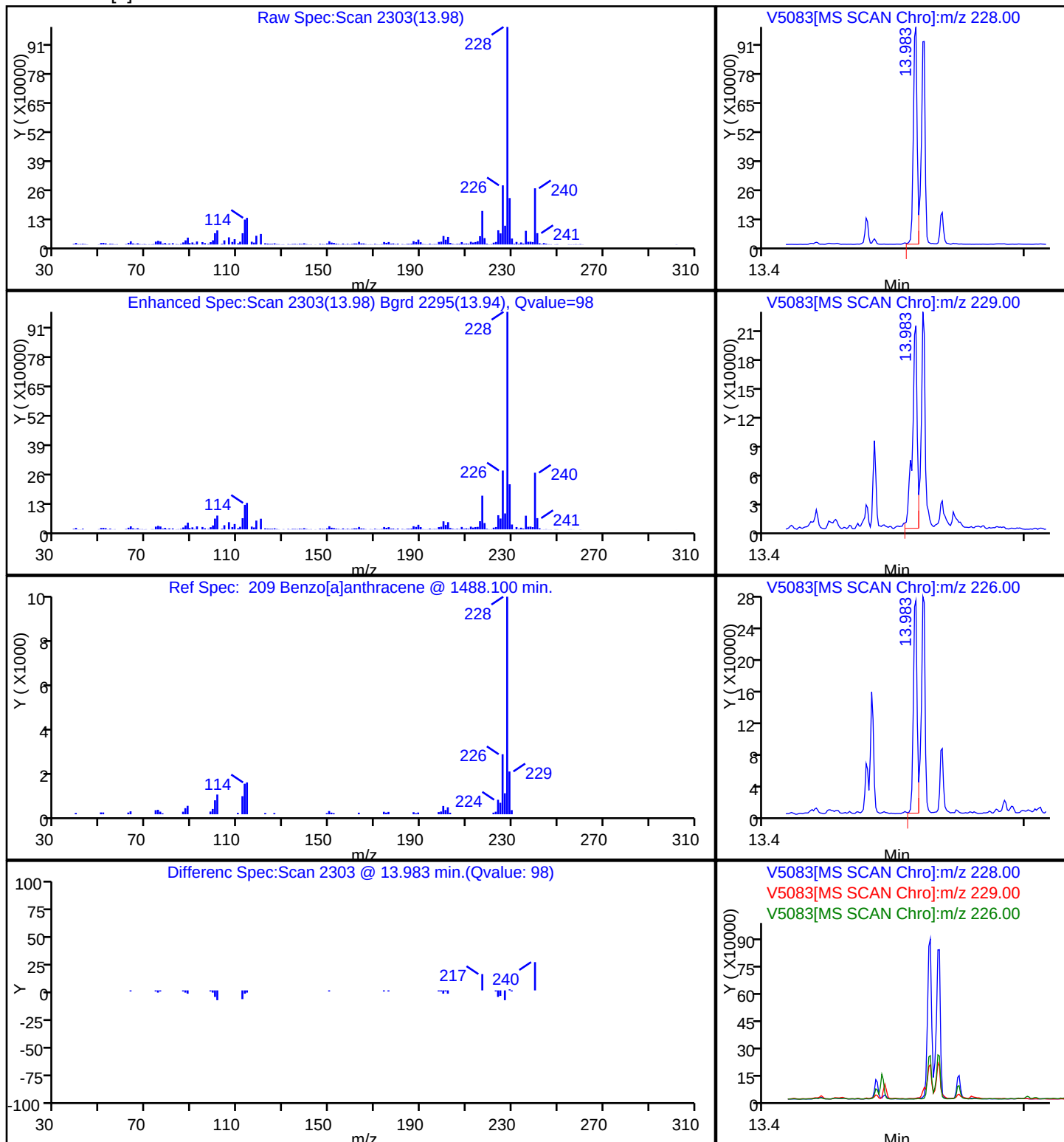
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

209 Benzo[a]anthracene



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

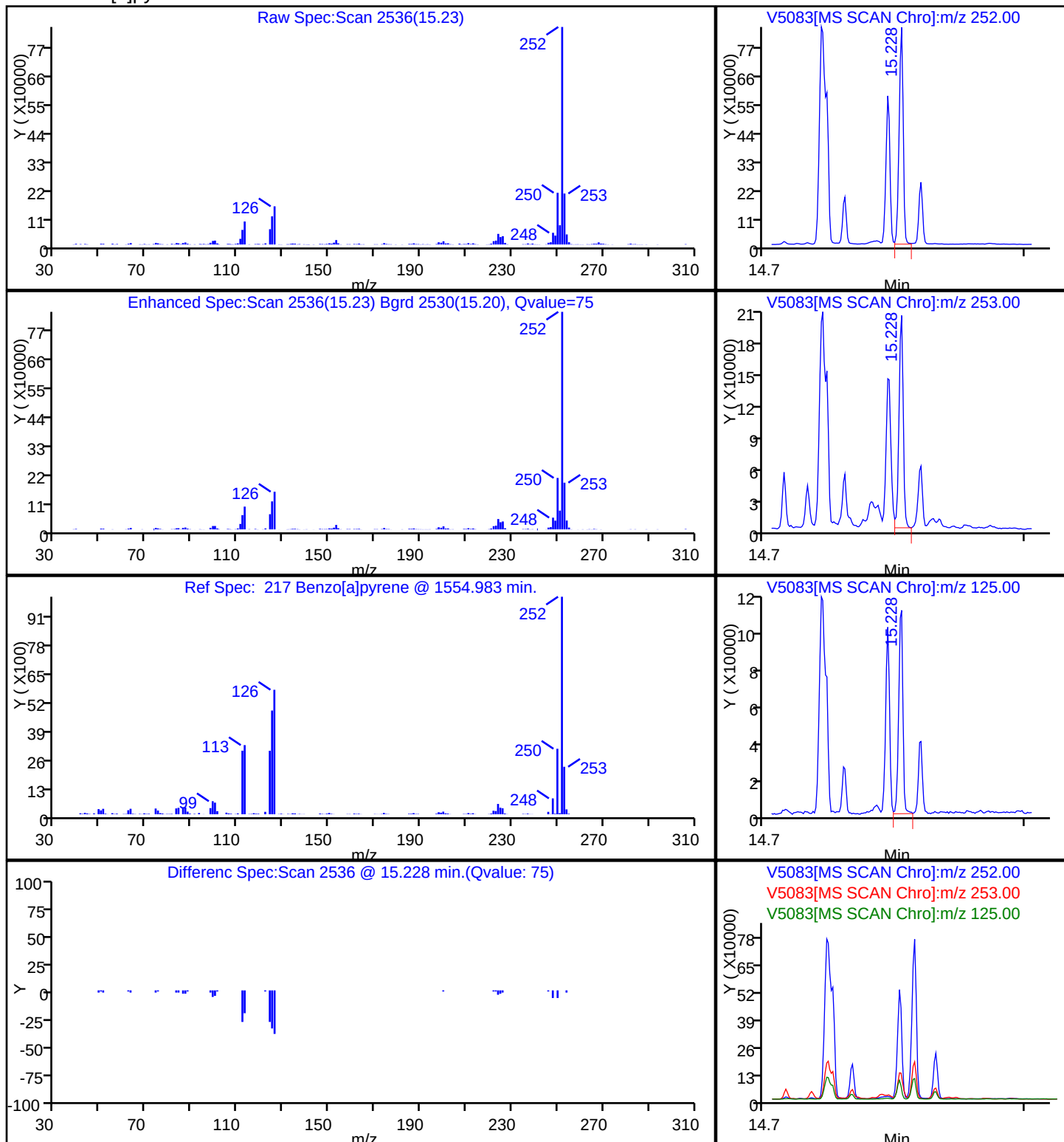
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

217 Benzo[a]pyrene



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

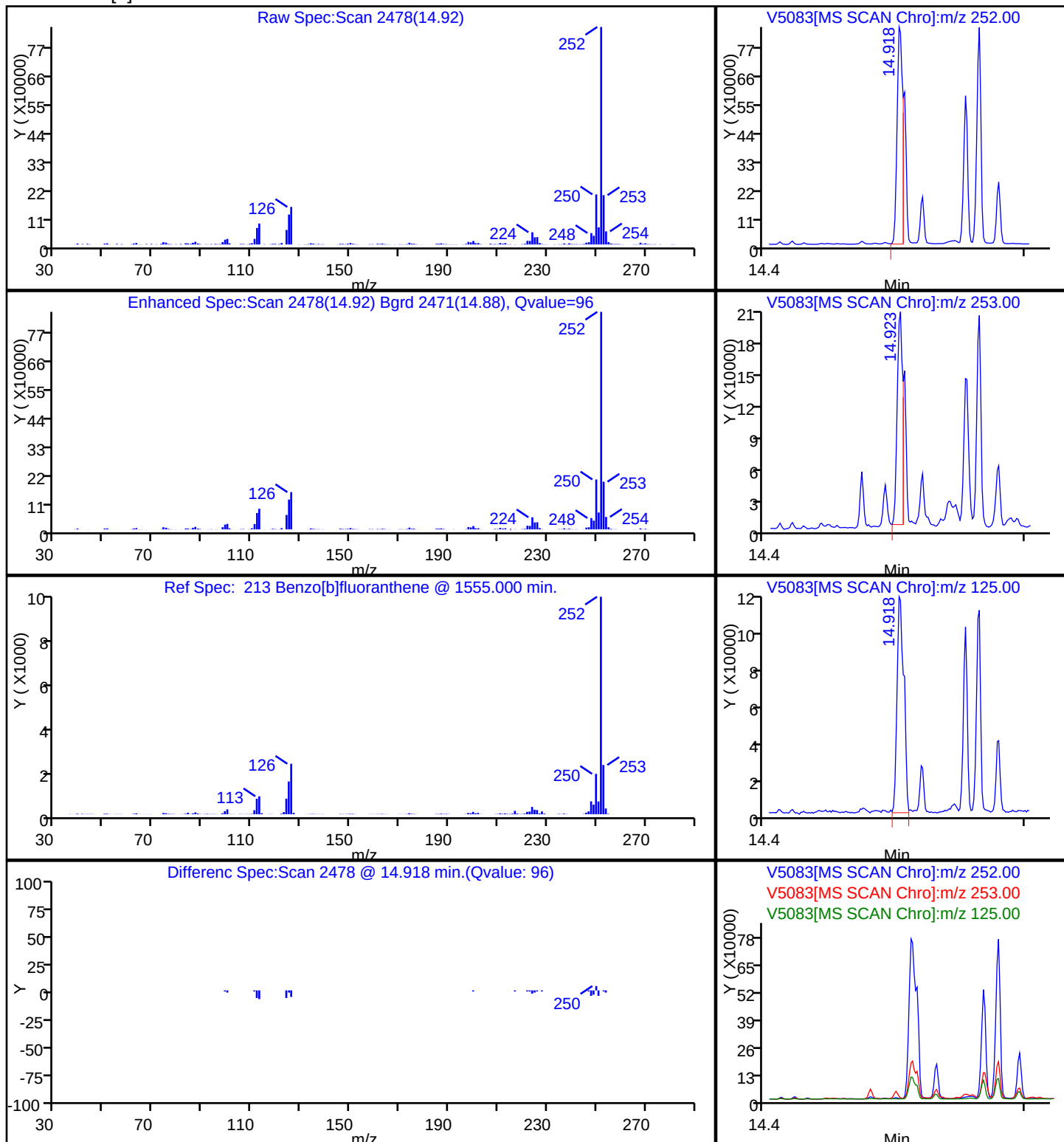
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

213 Benzo[b]fluoranthene



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

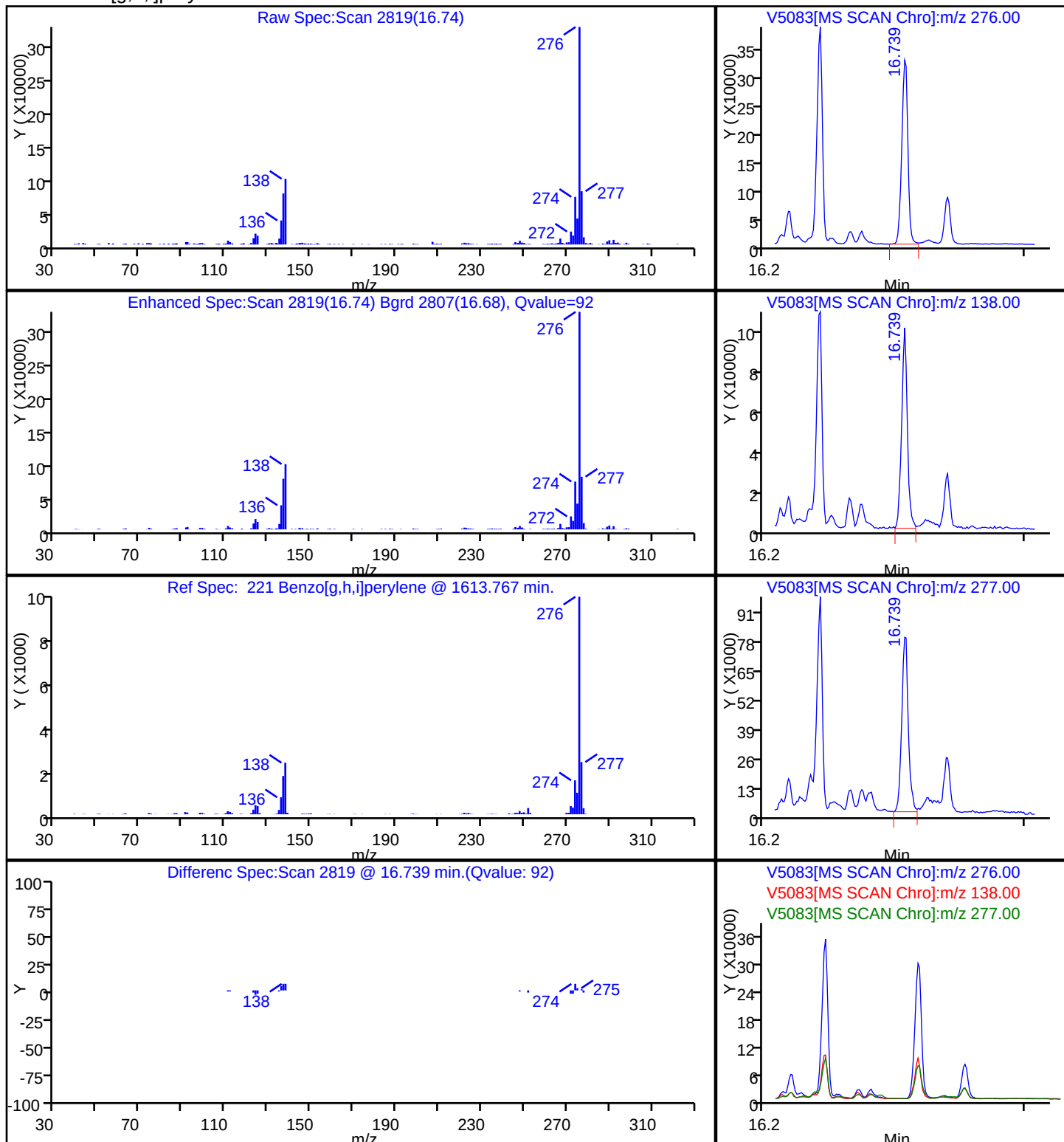
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

221 Benzo[g,h,i]perylene



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

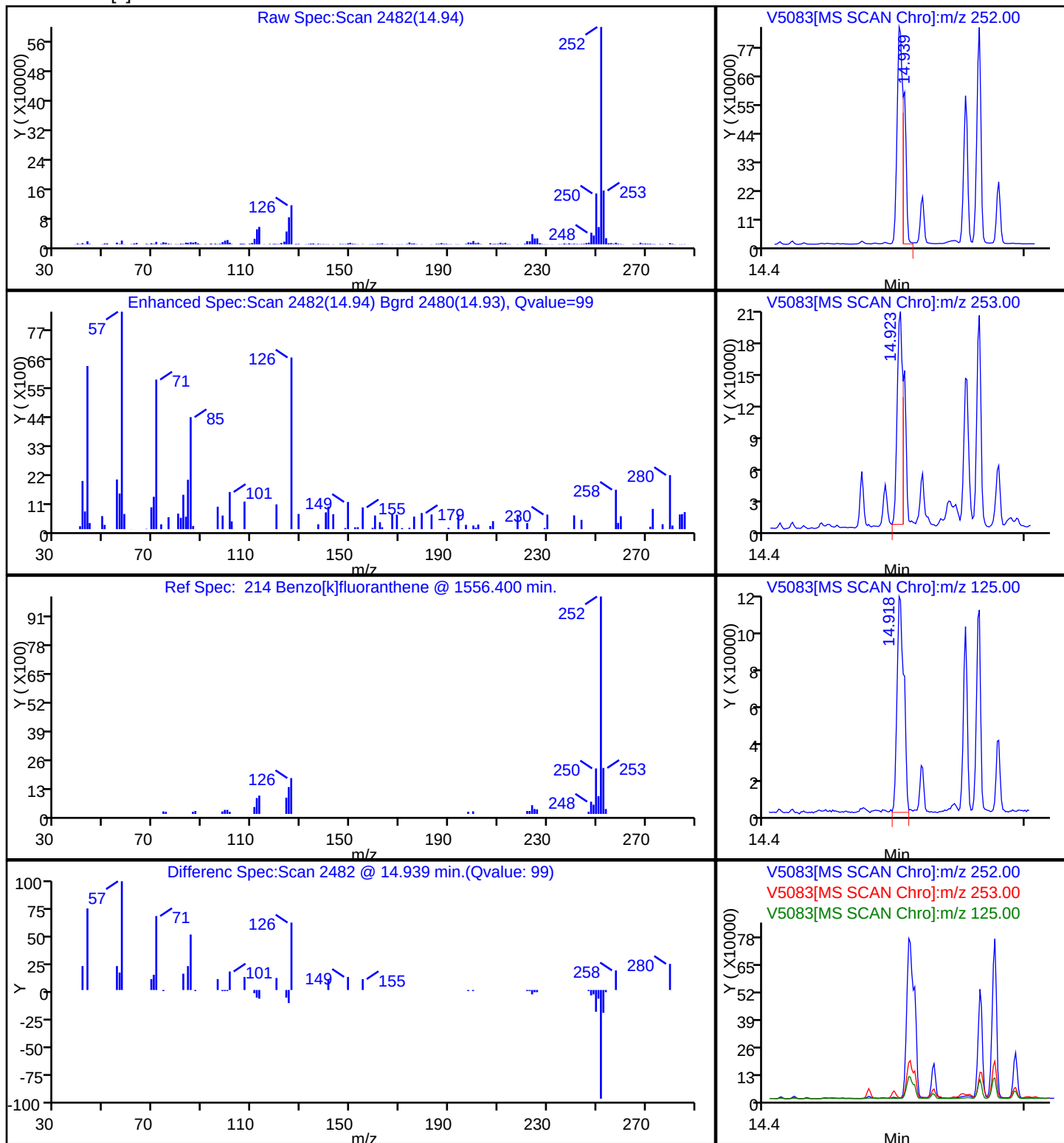
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

214 Benzo[k]fluoranthene



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

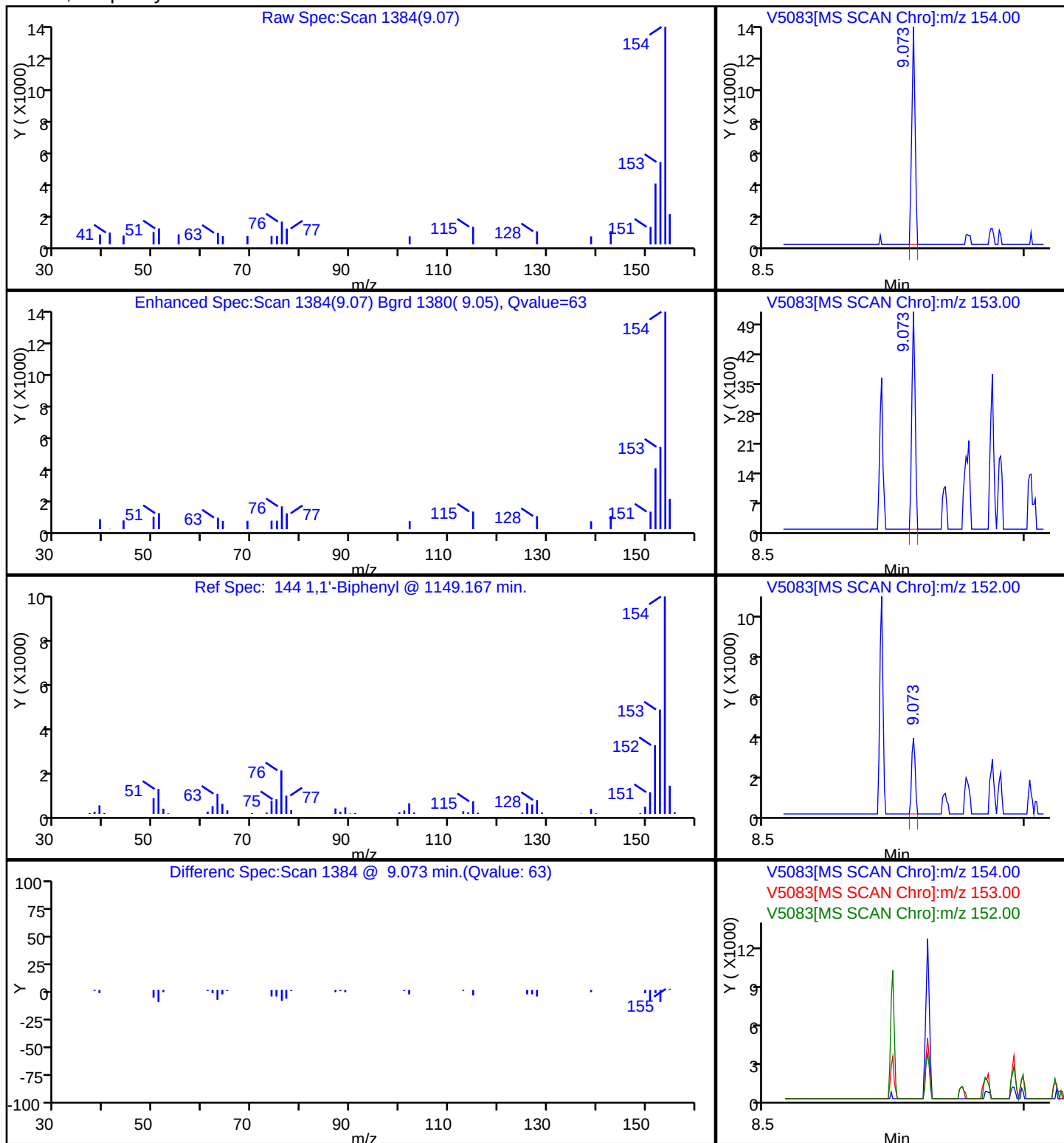
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

144 1,1'-Biphenyl



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

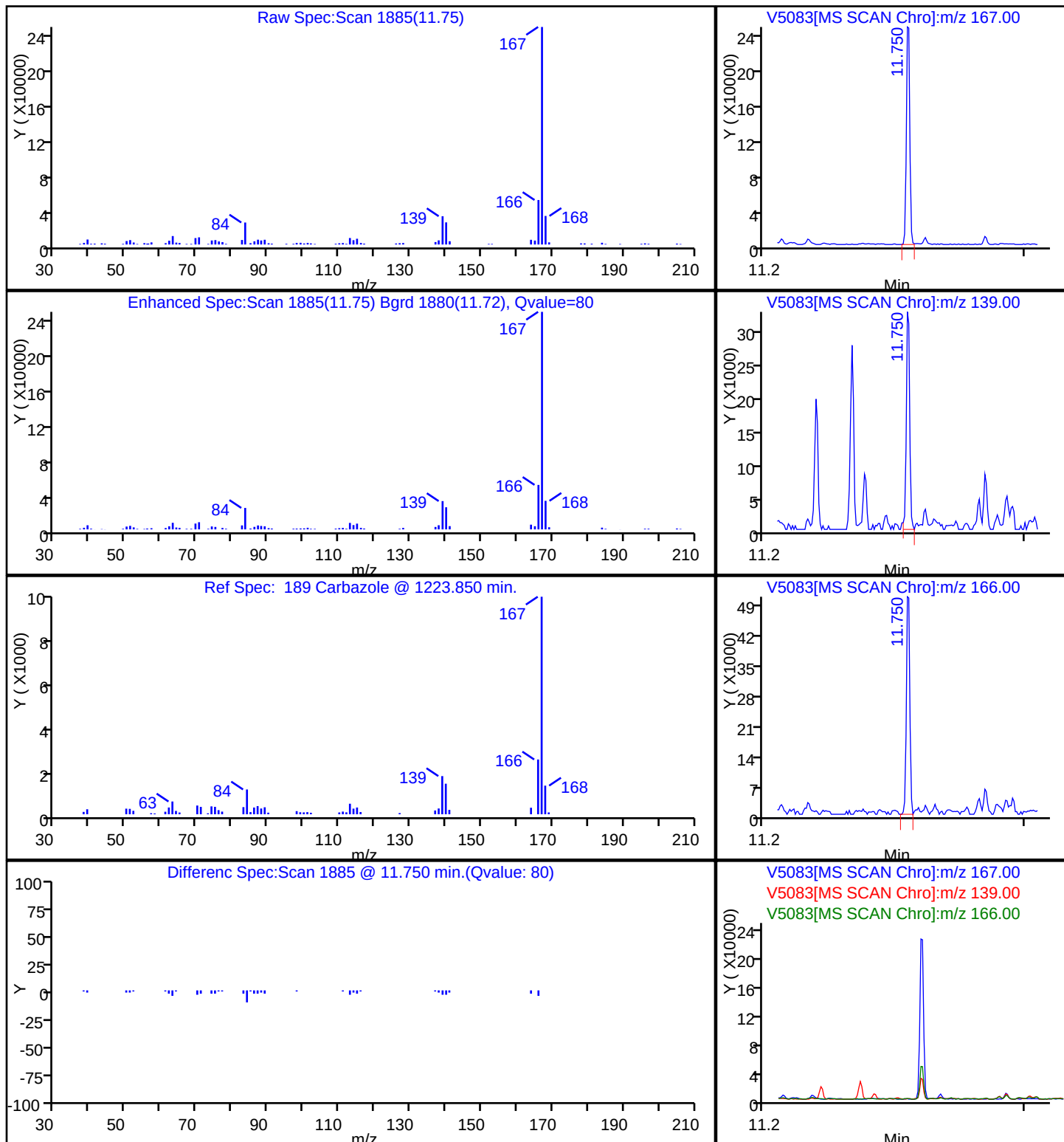
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

189 Carbazole



Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

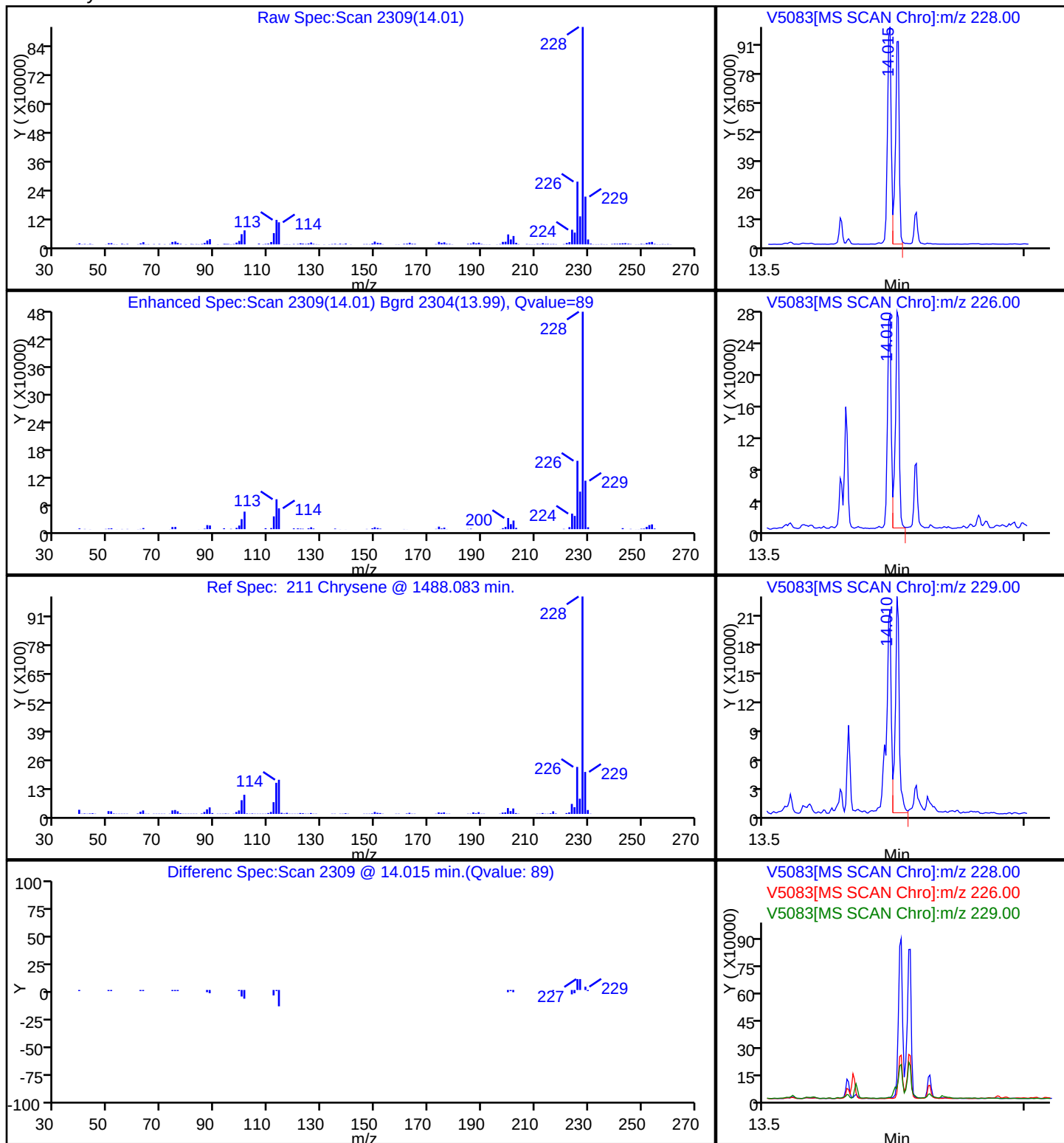
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

211 Chrysene



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

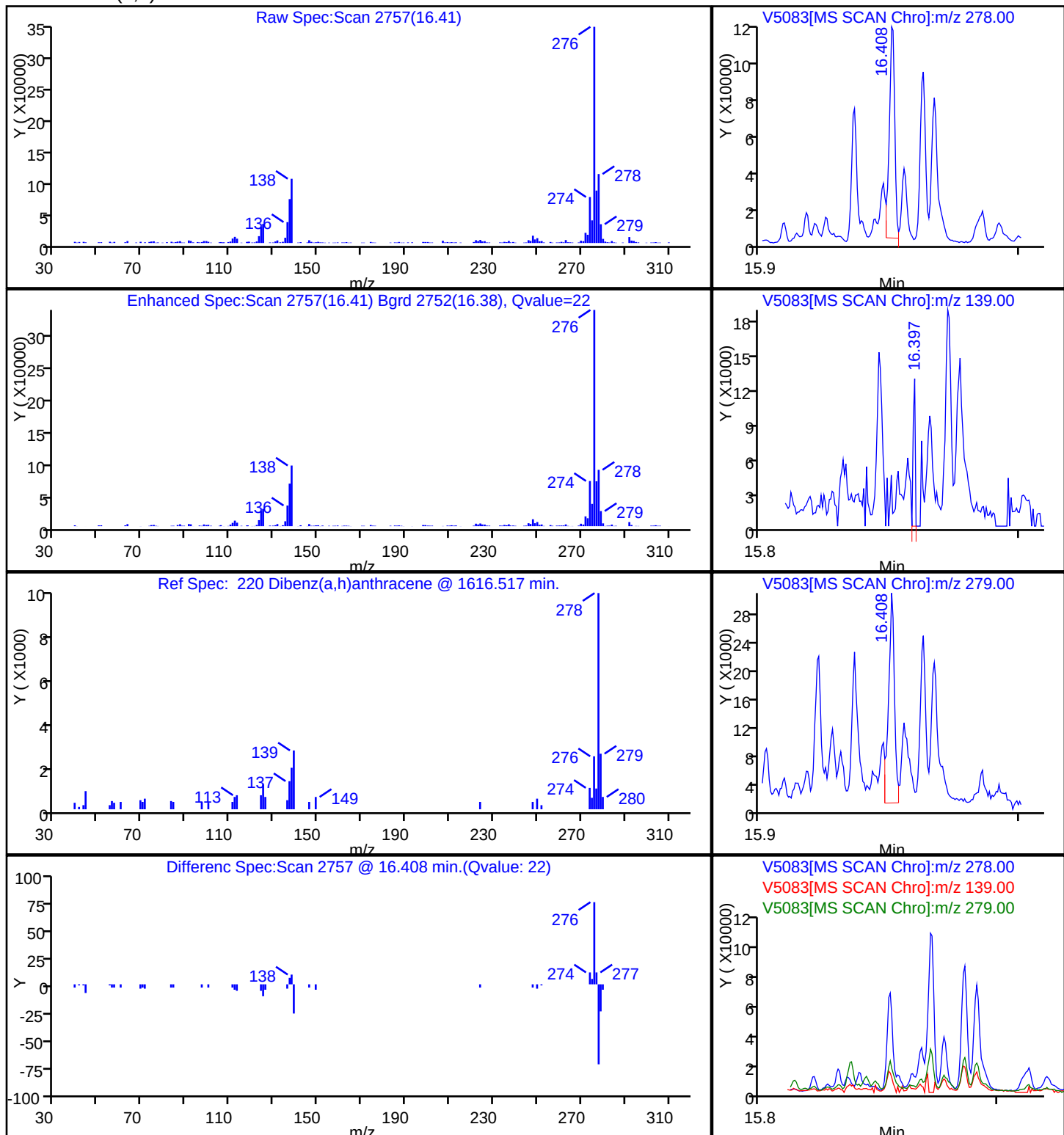
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

220 Dibenz(a,h)anthracene



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

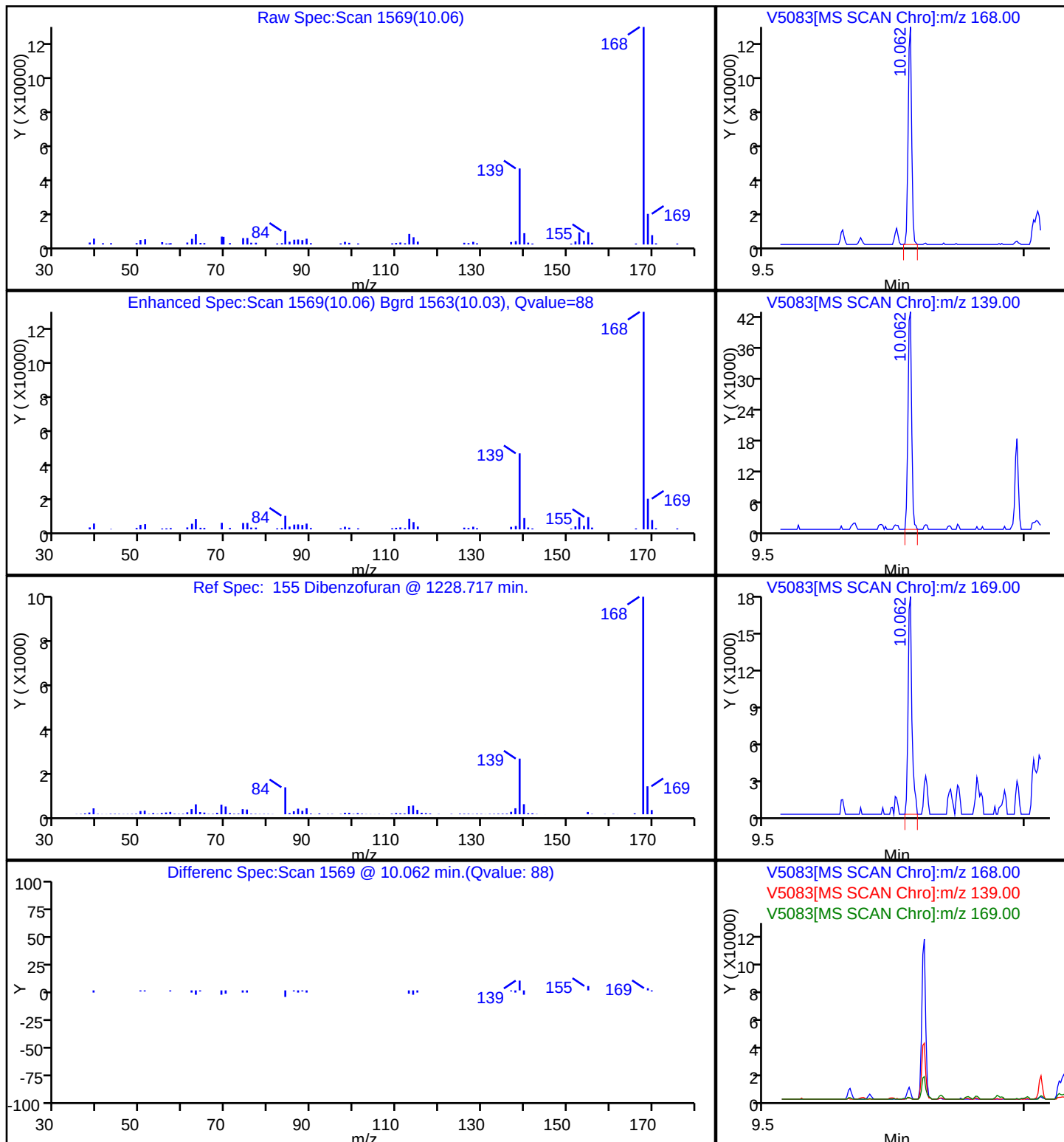
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

155 Dibenzofuran



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

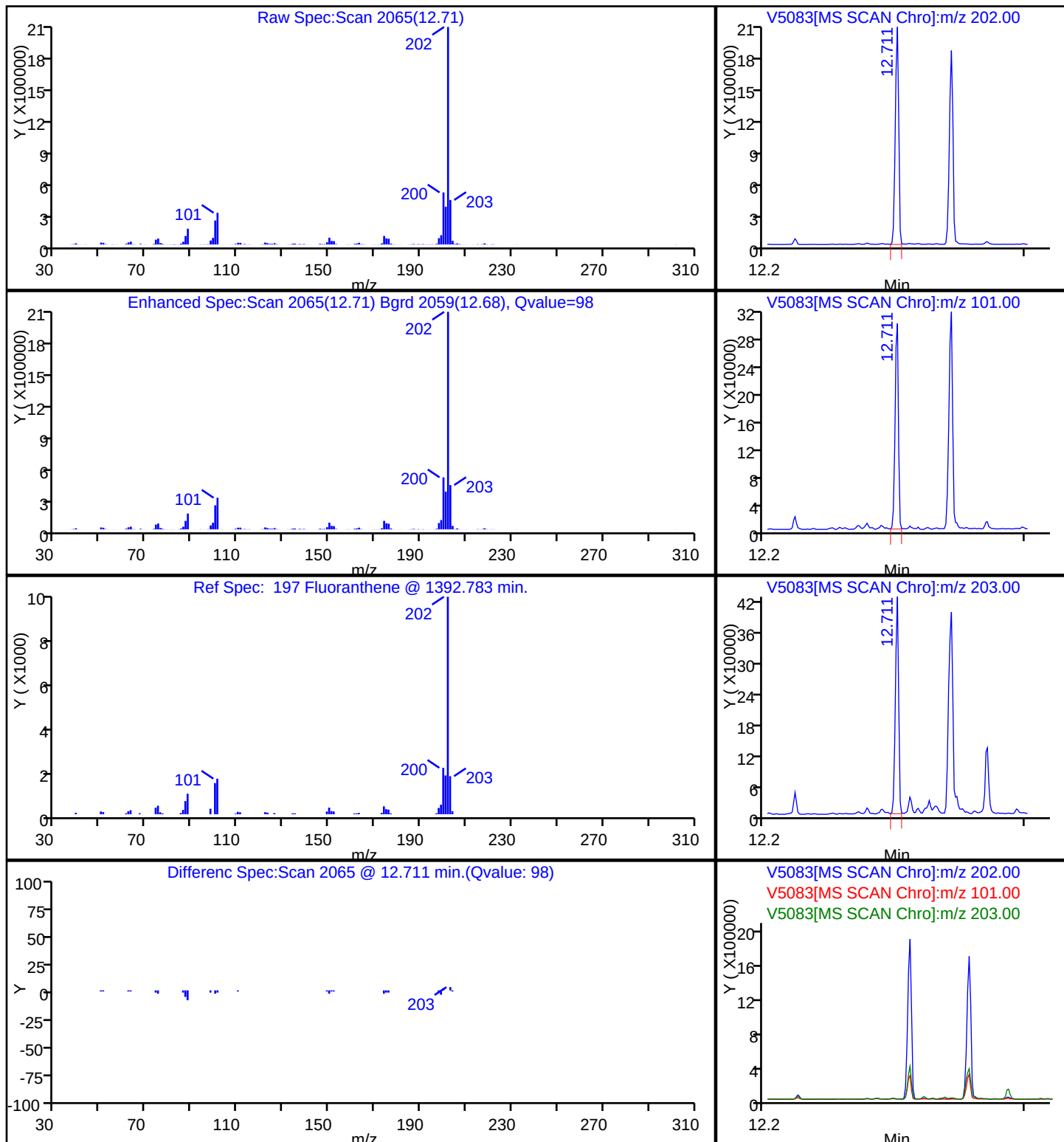
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

197 Fluoranthene



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

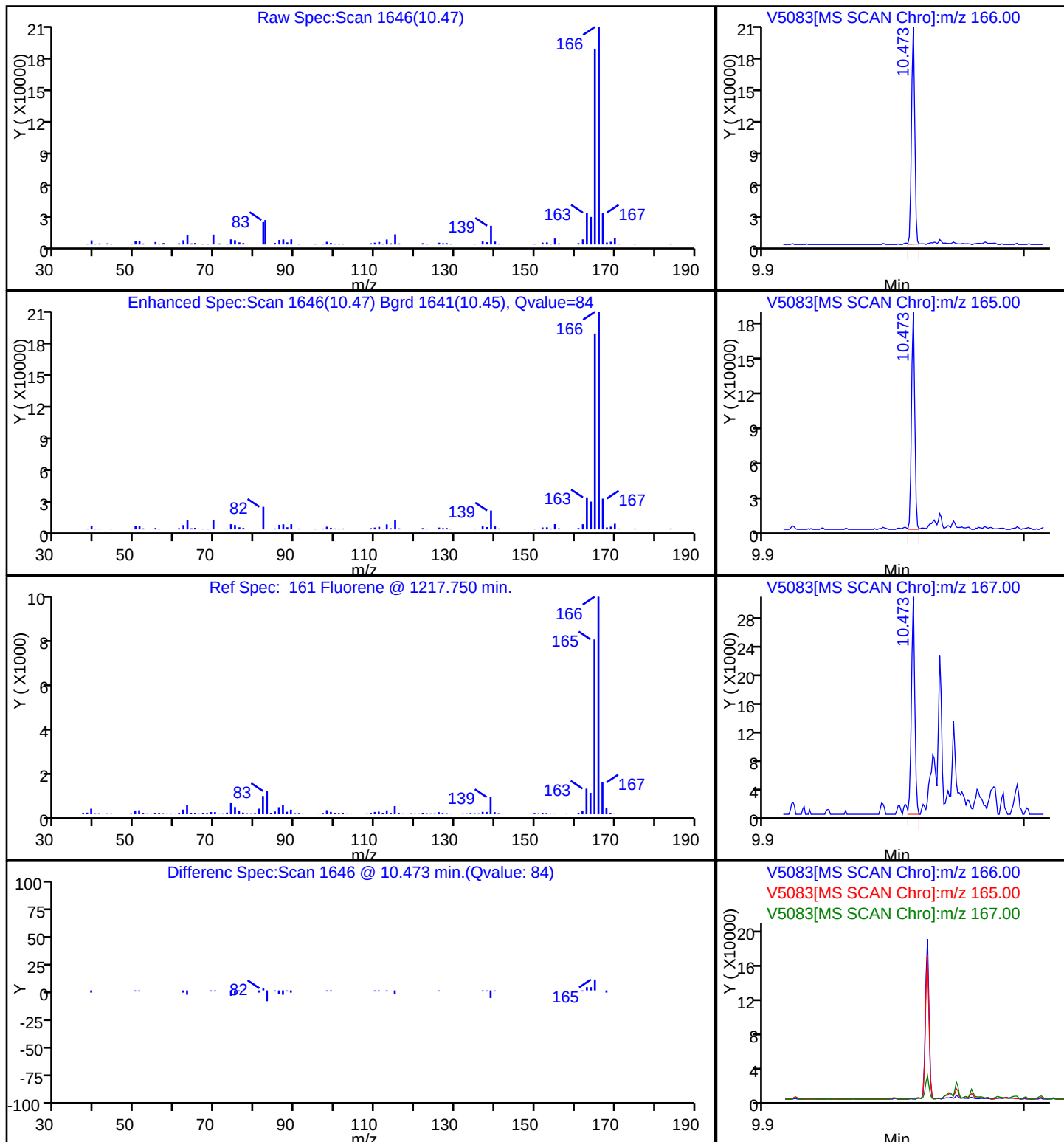
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

161 Fluorene



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

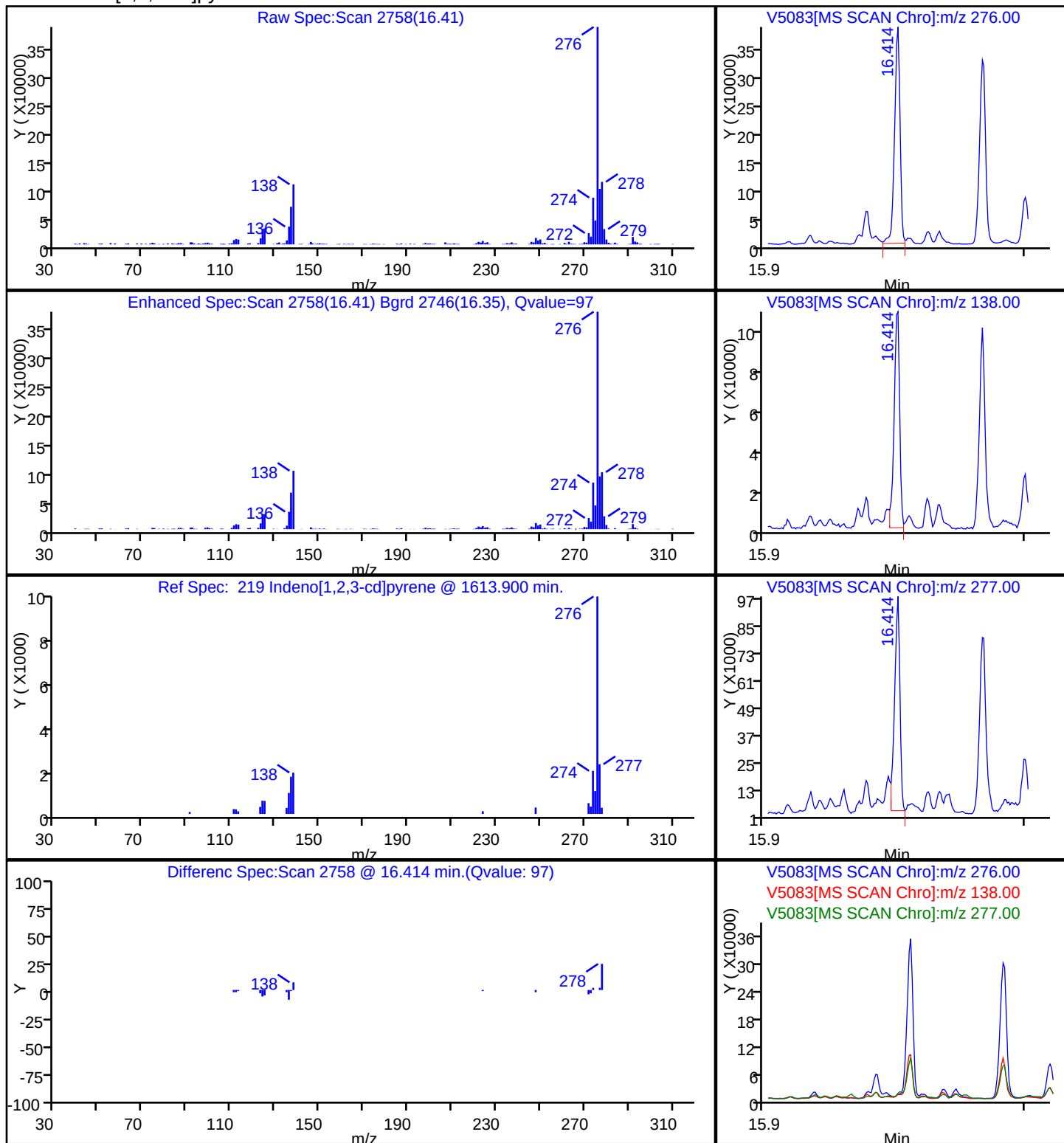
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

219 Indeno[1,2,3-cd]pyrene



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

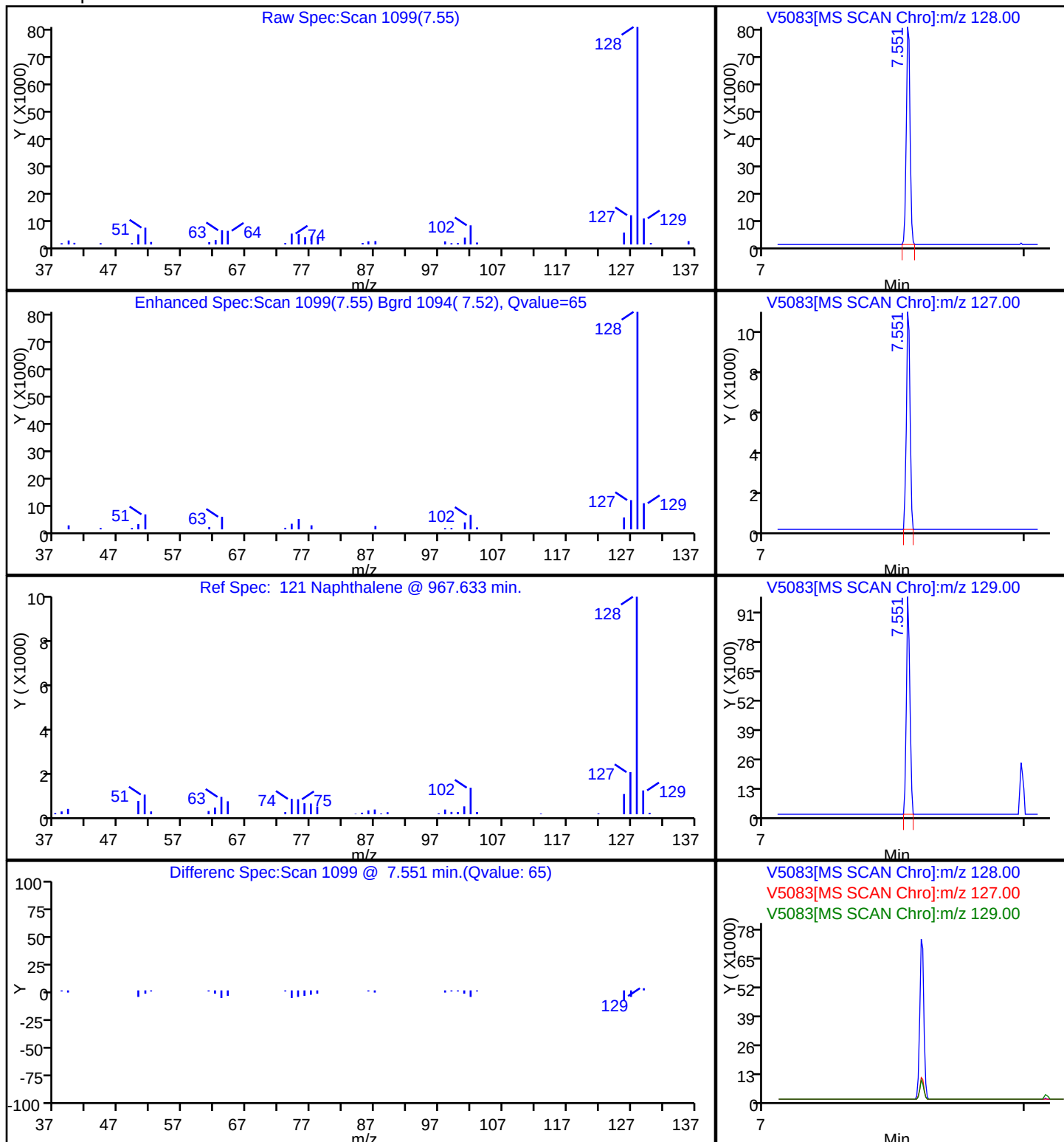
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

121 Naphthalene



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

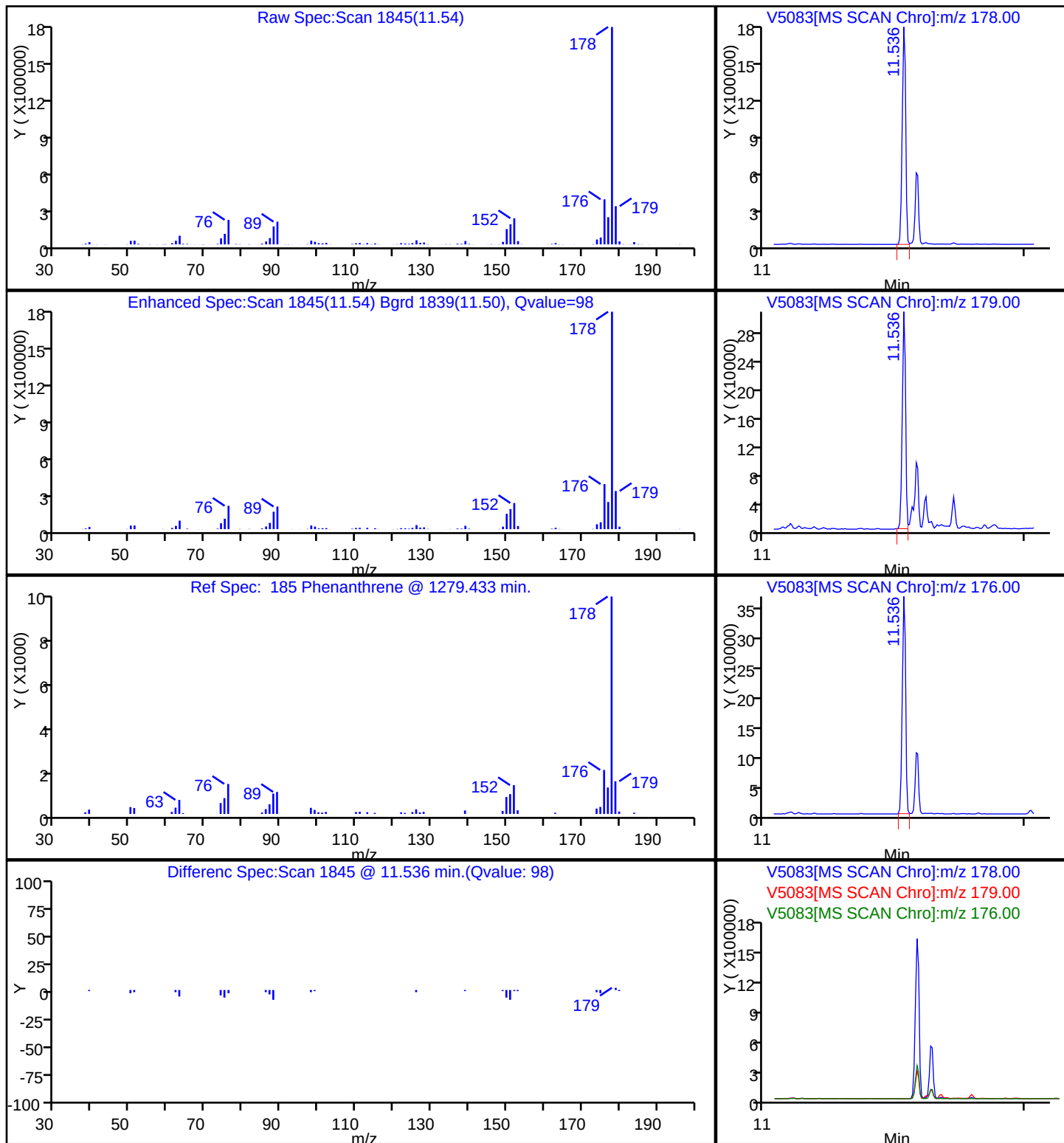
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

185 Phenanthrene



Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

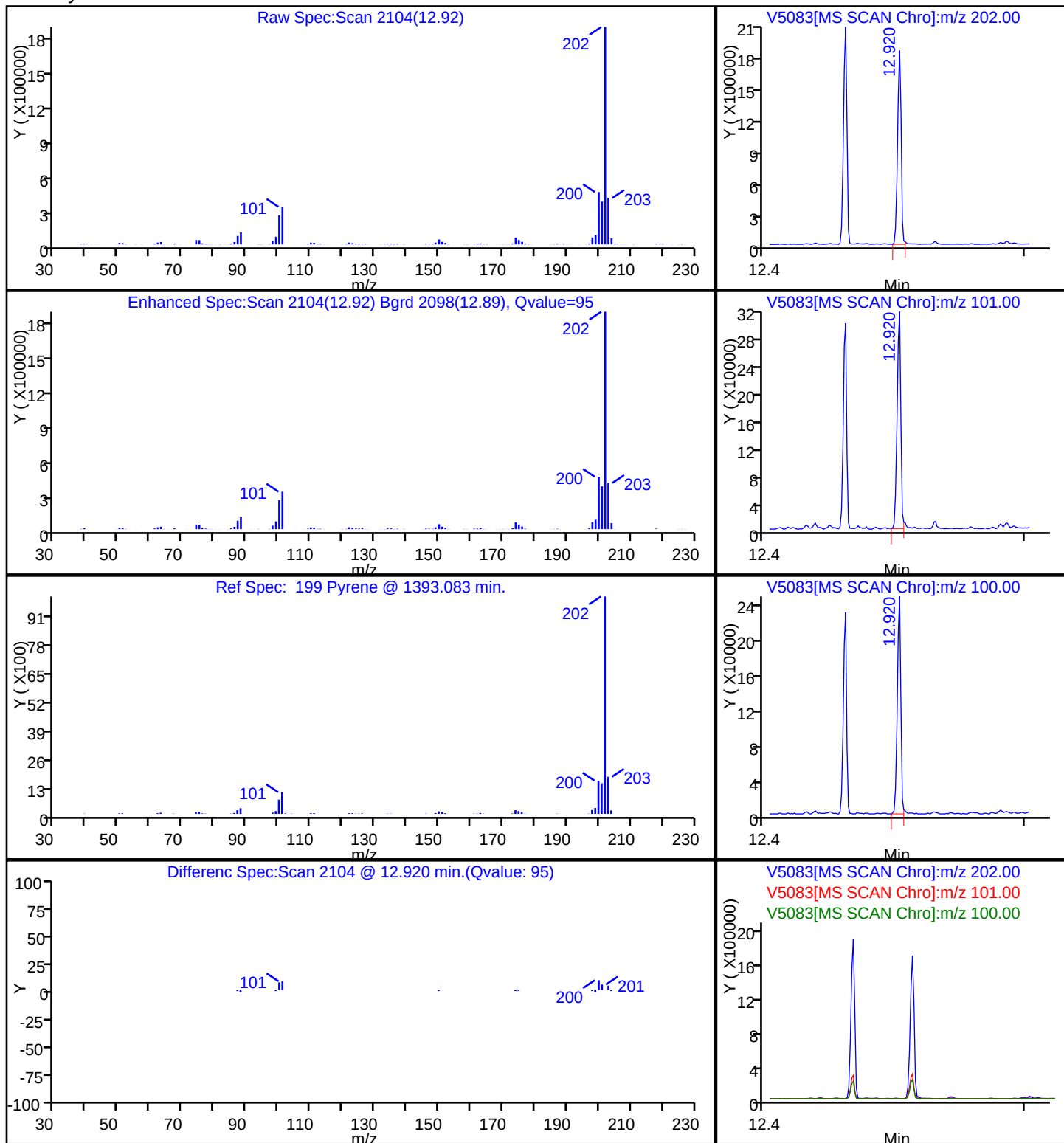
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

199 Pyrene

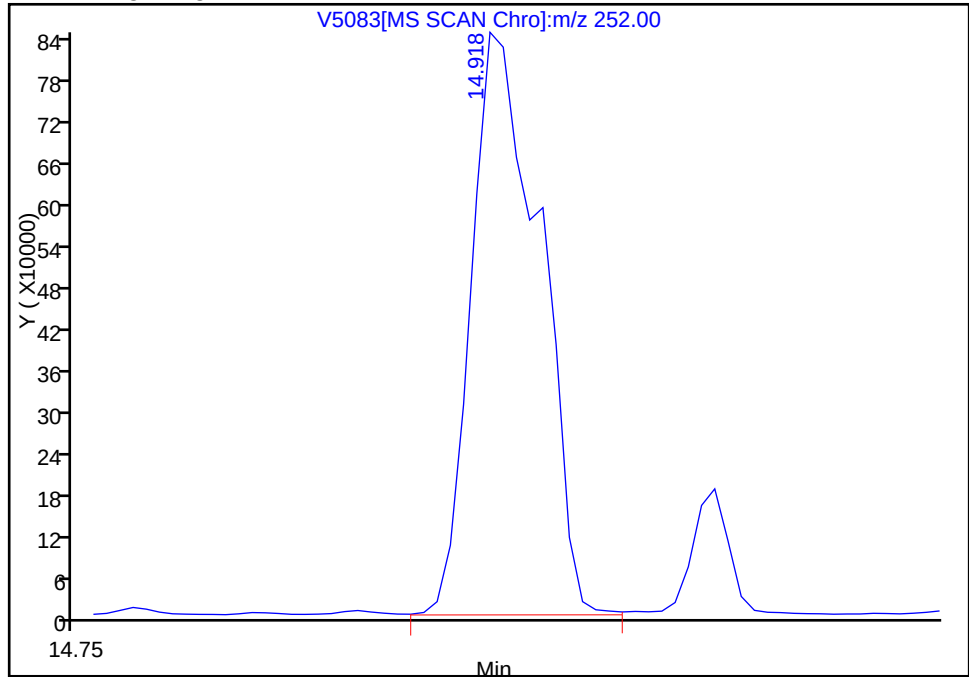


Data File:	\\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D		
Injection Date:	15-Sep-2011 18:17:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-02	Instrument ID:	HP5973V
Lims Batch ID:	31329	Lims Sample ID:	26
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.91

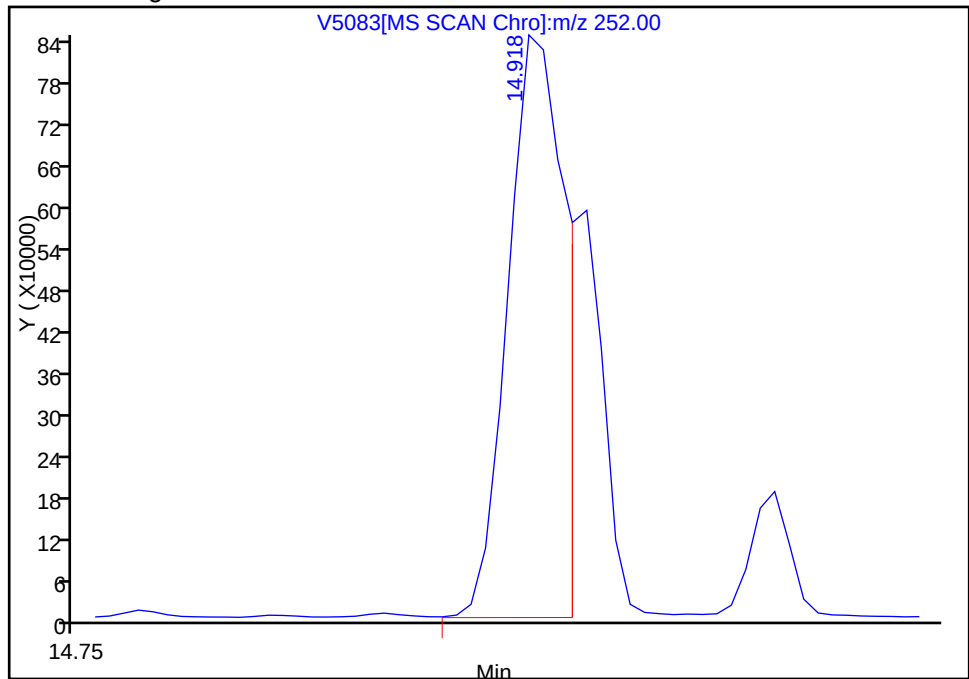
RT: 14.92
Response: 1628663
Amount: 99.123599

Processing Integration Results



RT: 14.92
Response: 1265772
Amount: 77.037347

Manual Integration Results



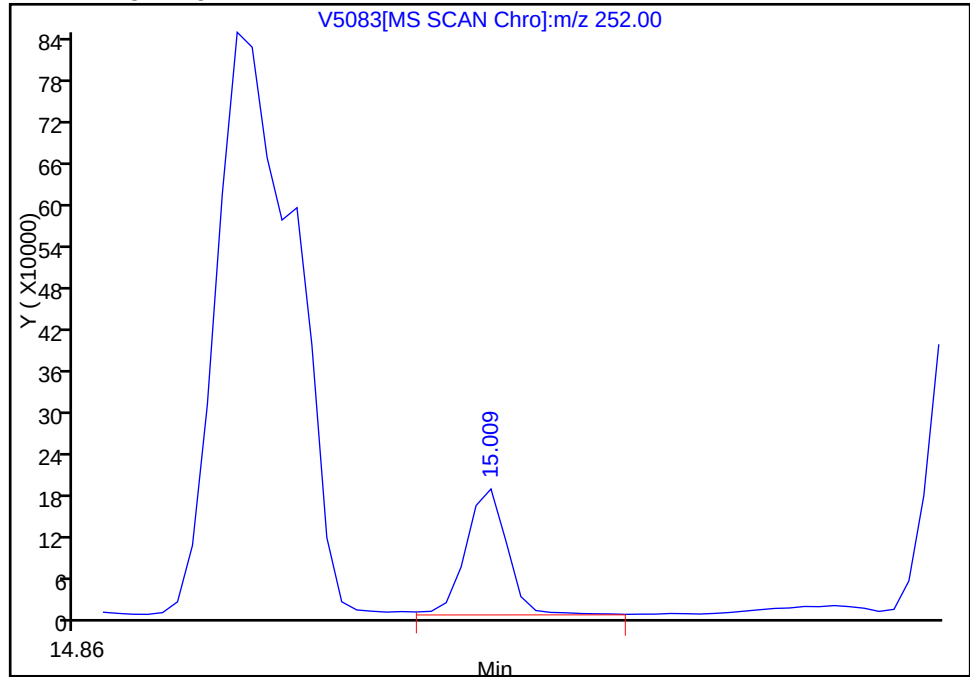
Reviewer: pagem, 16-Sep-2011 10:27:08
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

Data File:	\\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D		
Injection Date:	15-Sep-2011 18:17:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-02	Instrument ID:	HP5973V
Lims Batch ID:	31329	Lims Sample ID:	26
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.93

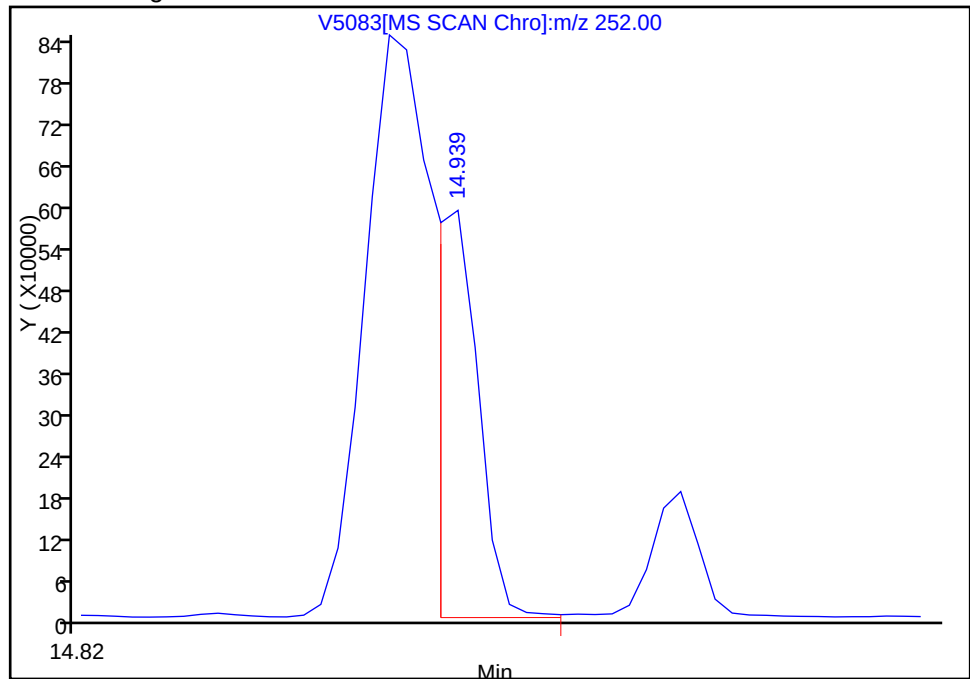
RT: 15.01
Response: 189369
Amount: 10.993752

Processing Integration Results



RT: 14.94
Response: 546603
Amount: 31.732849

Manual Integration Results



Reviewer: pagem, 16-Sep-2011 10:27:08
Audit Action: Split an Integrated Peak
Audit Reason: Assign Peak

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

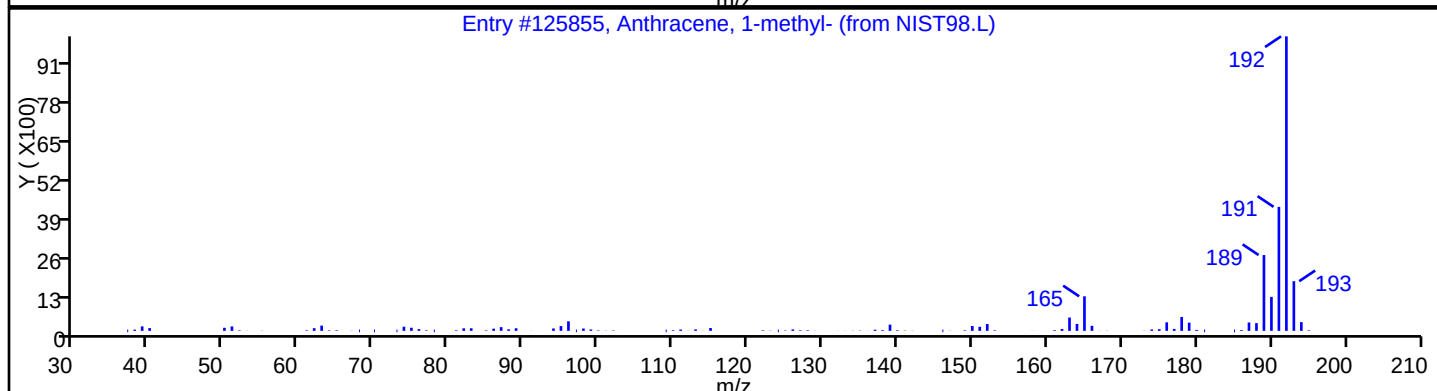
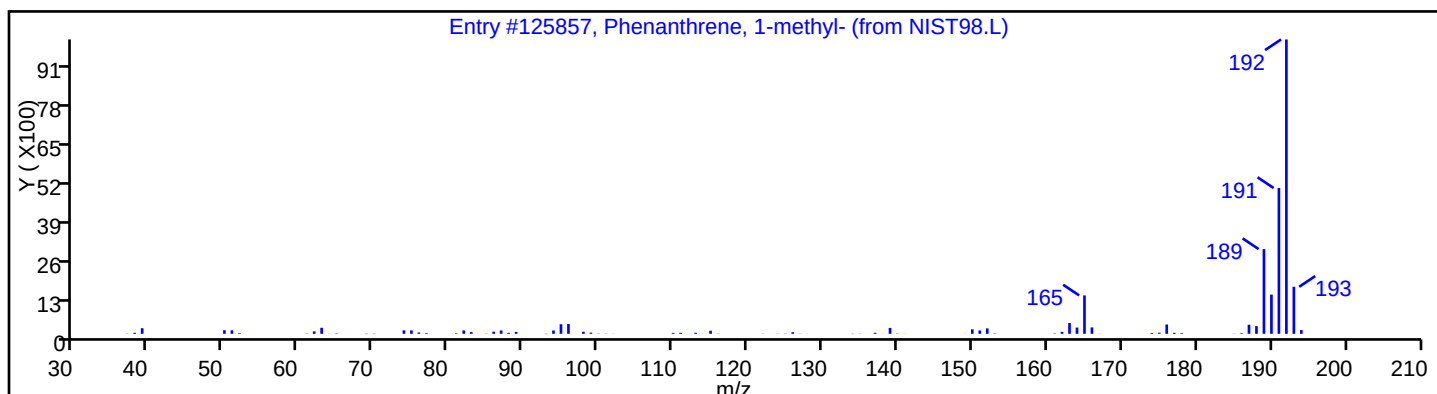
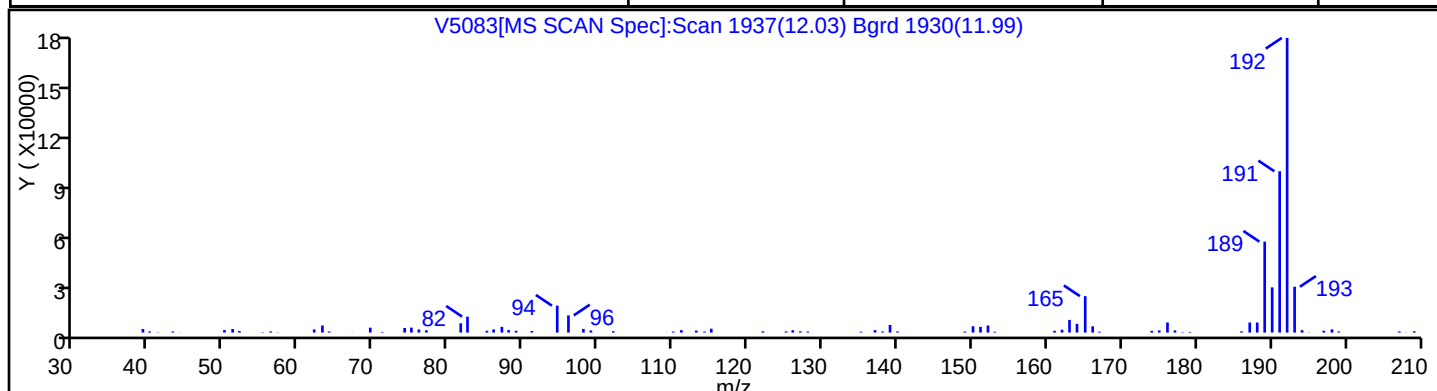
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Phenanthrene, 1-methyl-	832-69-9	NIST98.L	125857	93
Anthracene, 1-methyl-	610-48-0	NIST98.L	125855	93



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

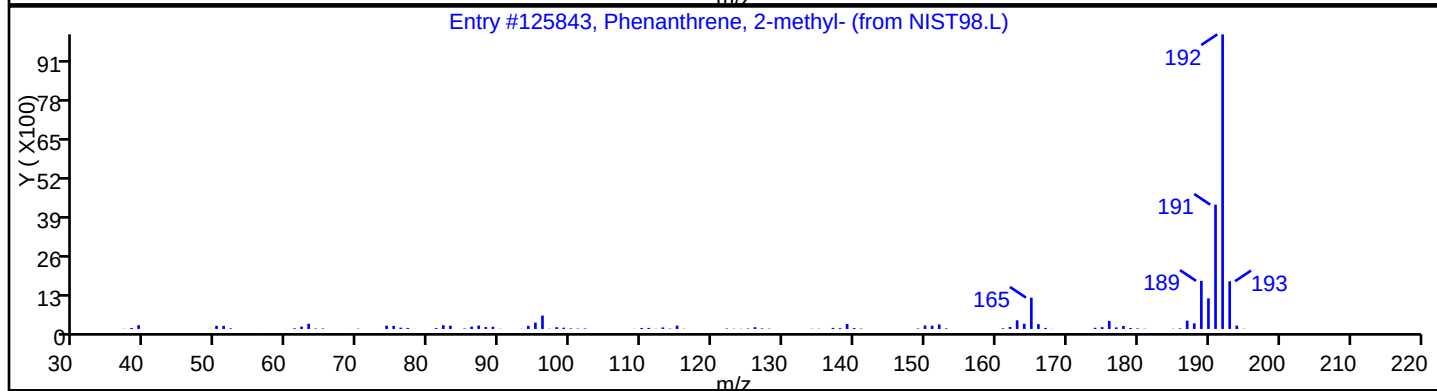
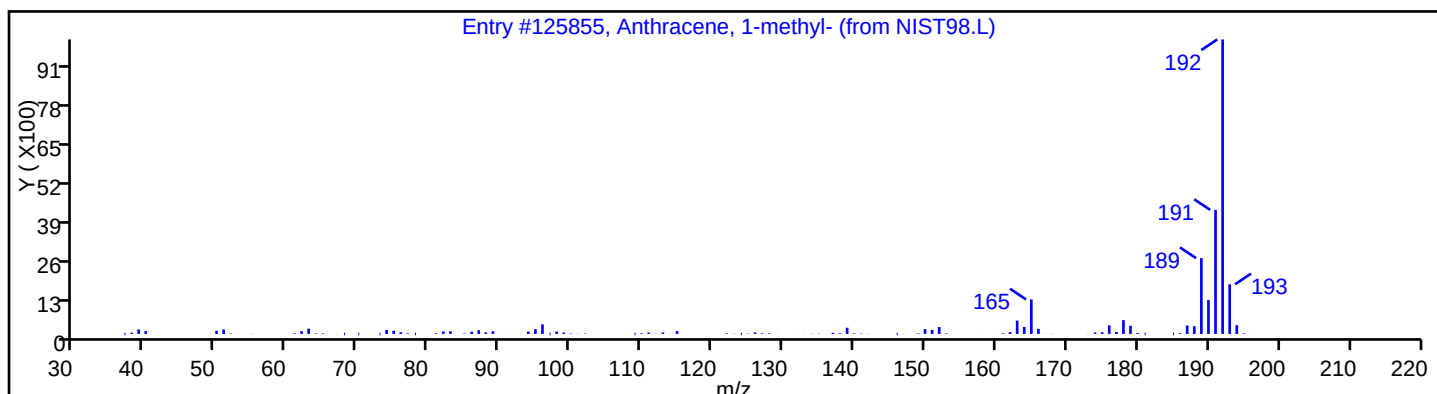
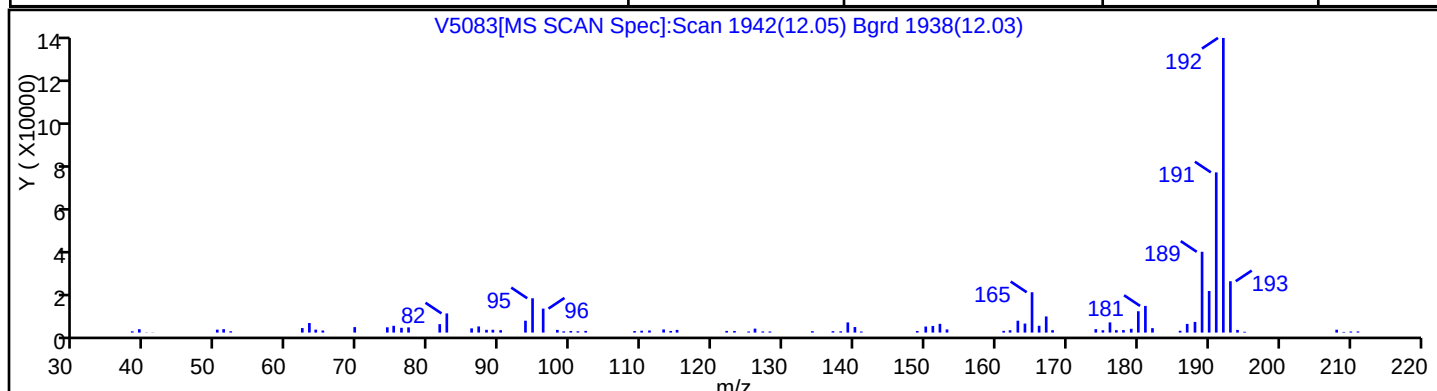
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Anthracene, 1-methyl-	610-48-0	NIST98.L	125855	96
Phenanthrene, 2-methyl-	2531-84-2	NIST98.L	125843	93



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

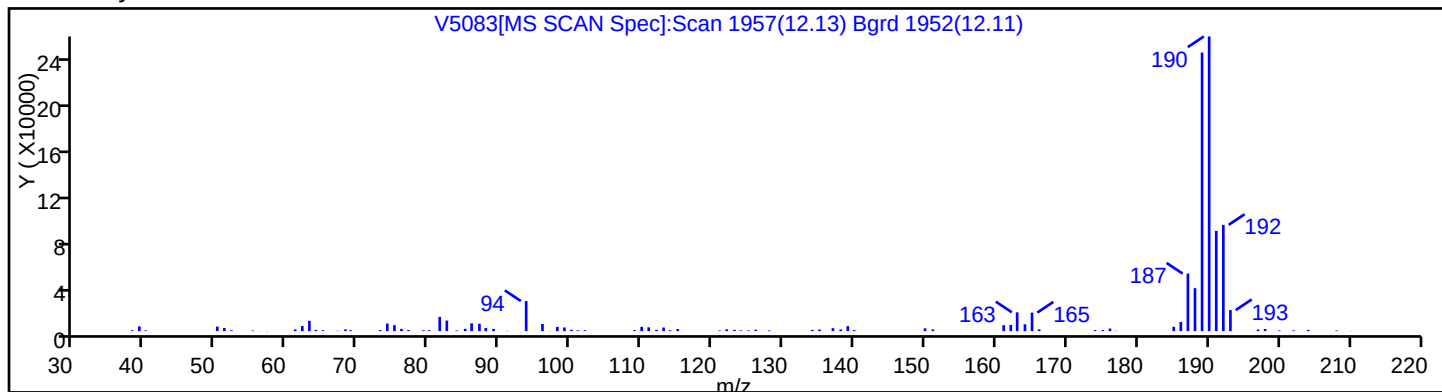
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

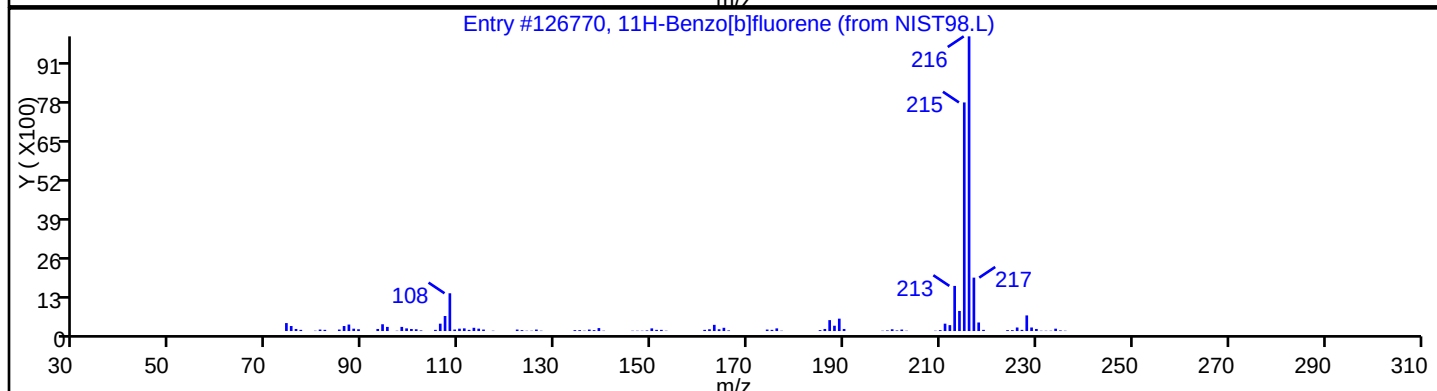
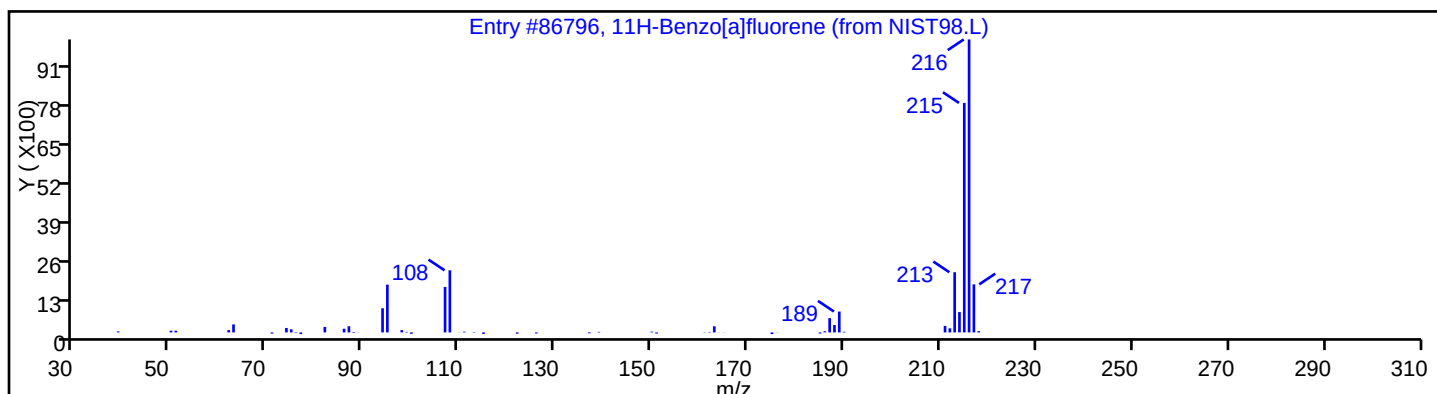
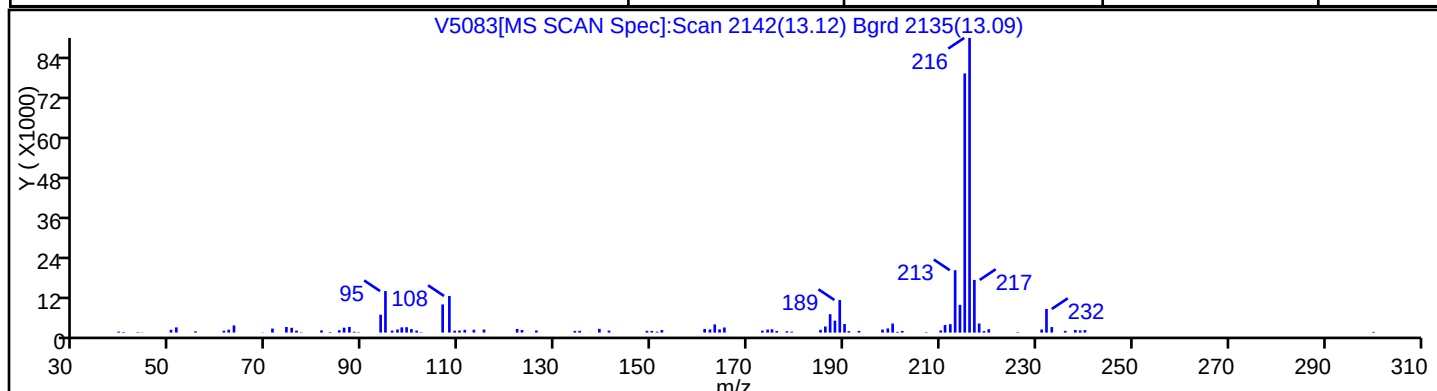
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
11H-Benzo[a]fluorene	238-84-6	NIST98.L	86796	94
11H-Benzo[b]fluorene	243-17-4	NIST98.L	126770	94



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

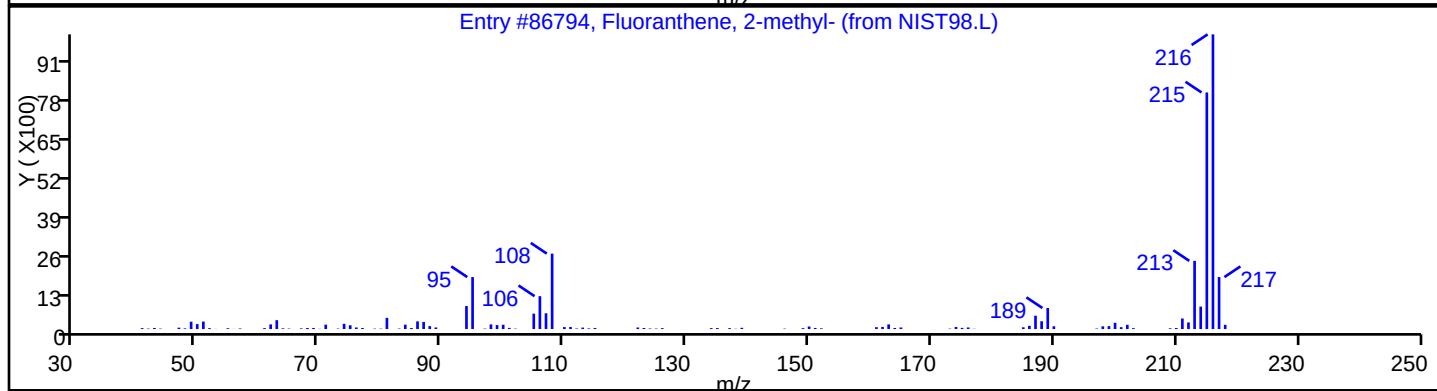
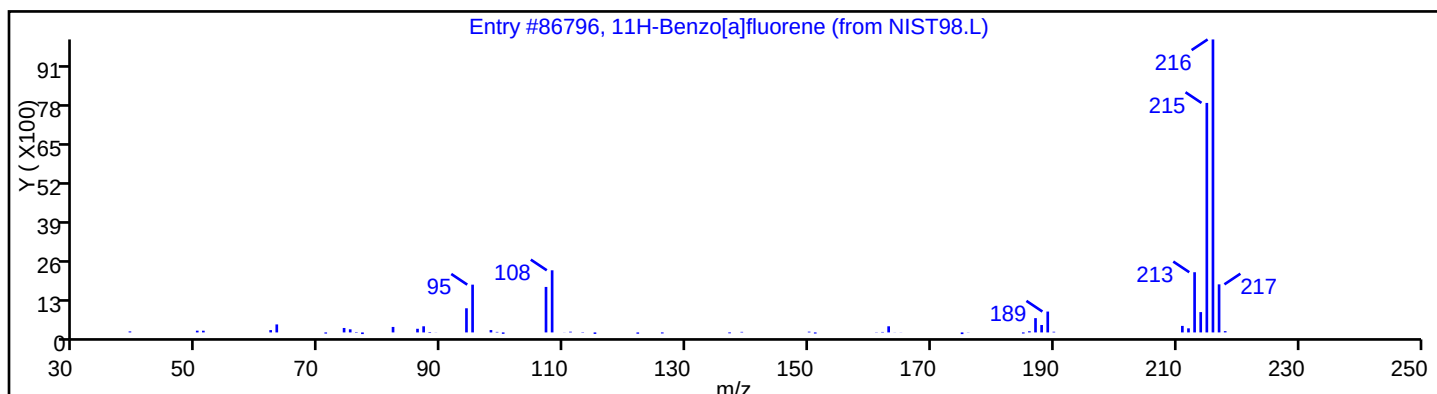
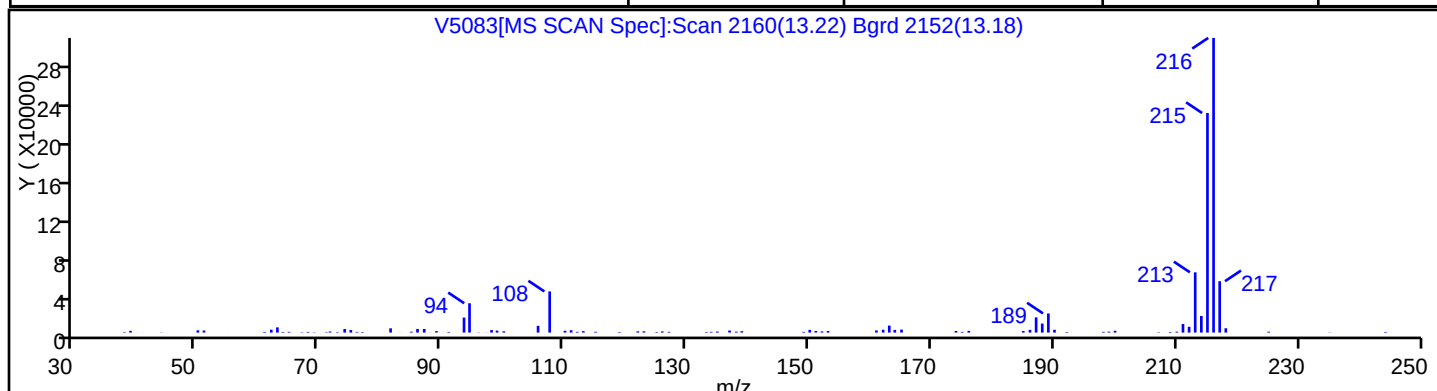
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
11H-Benzo[a]fluorene	238-84-6	NIST98.L	86796	93
Fluoranthene, 2-methyl-	33543-31-6	NIST98.L	86794	91



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

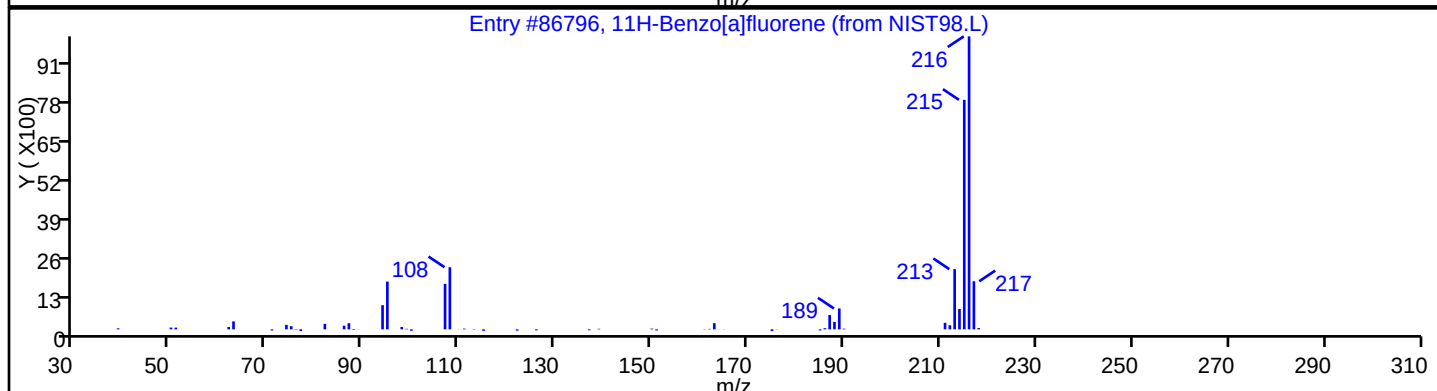
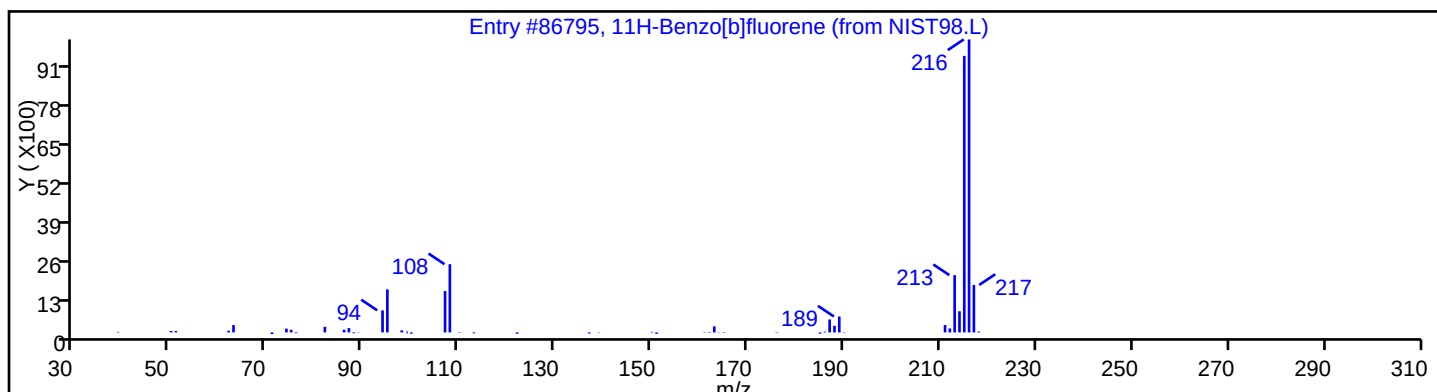
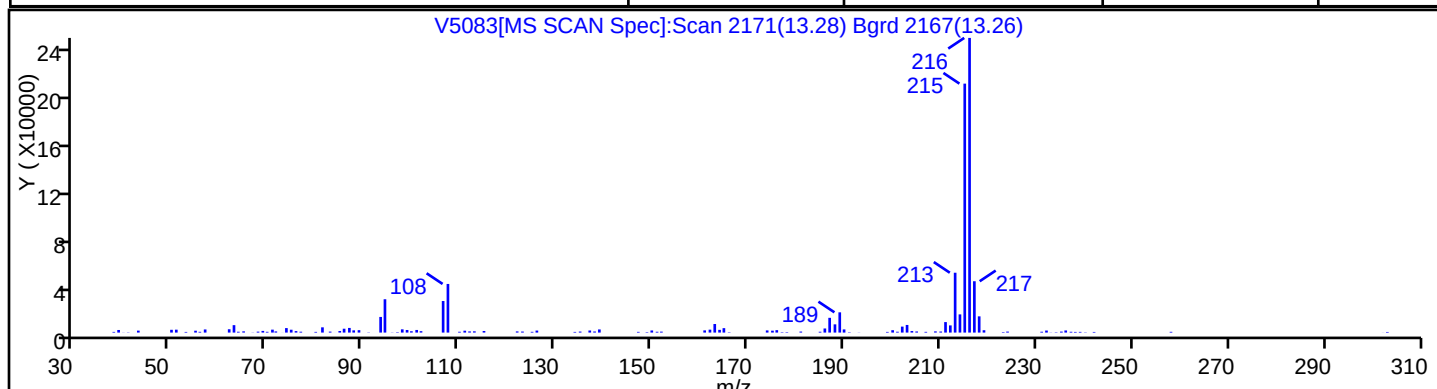
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
11H-Benzo[b]fluorene	243-17-4	NIST98.L	86795	97
11H-Benzo[a]fluorene	238-84-6	NIST98.L	86796	97



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

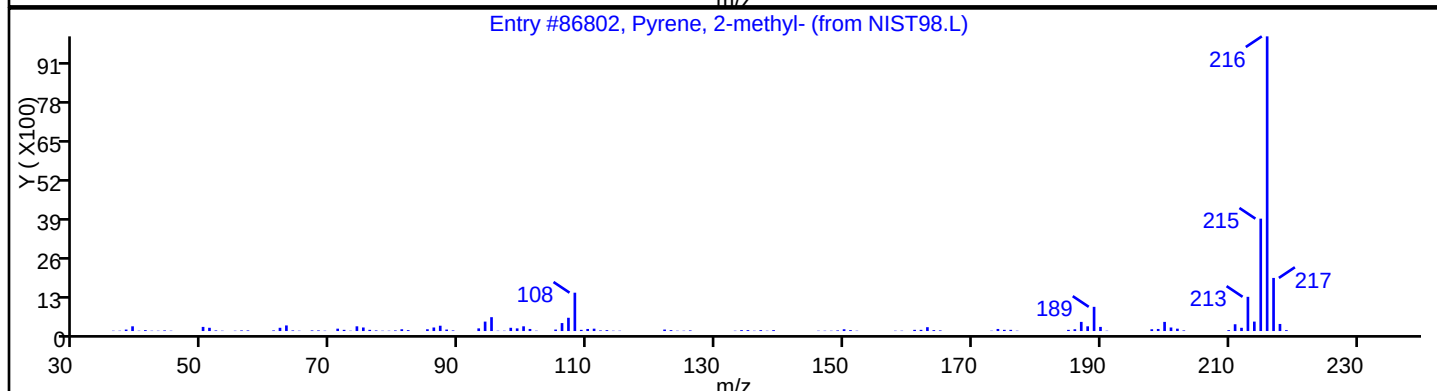
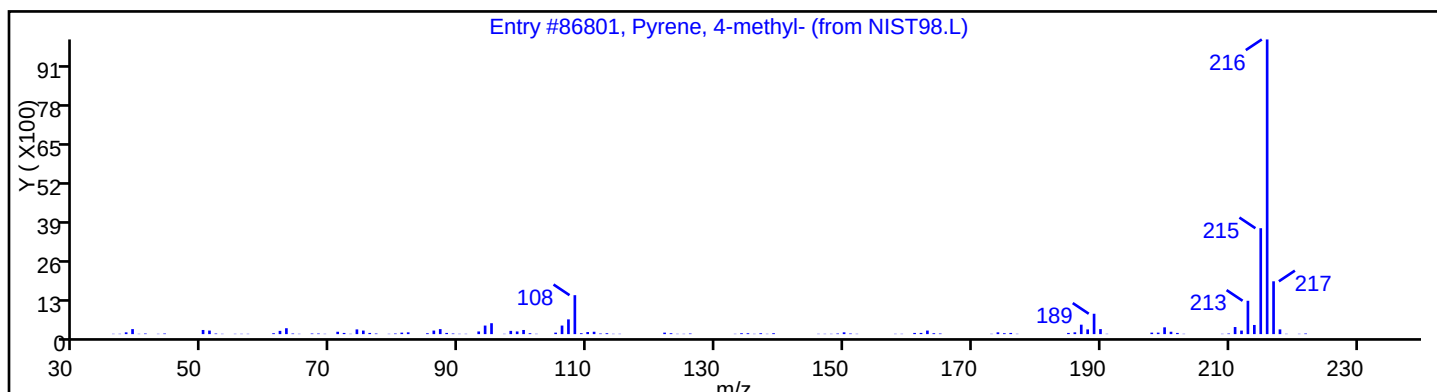
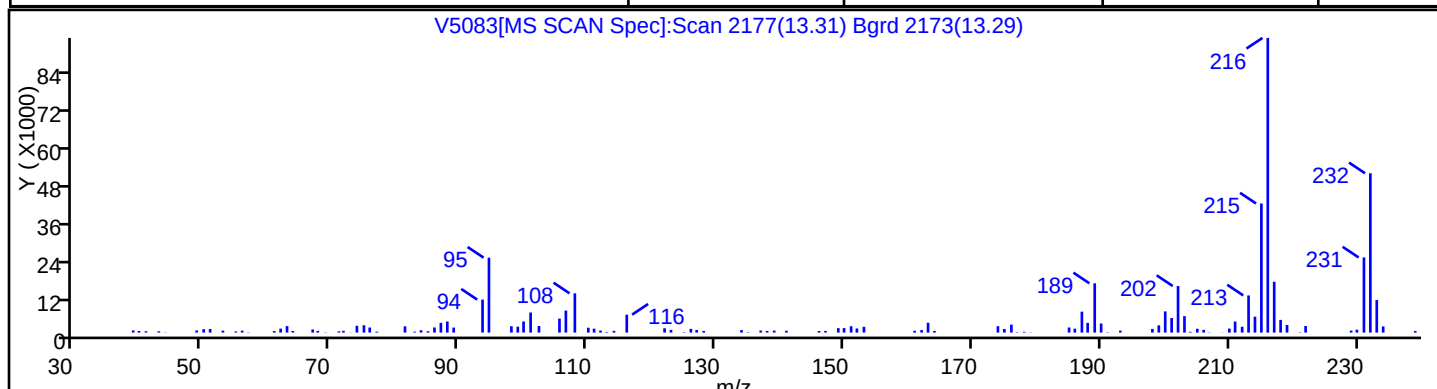
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Pyrene, 4-methyl-	3353-12-6	NIST98.L	86801	91
Pyrene, 2-methyl-	3442-78-2	NIST98.L	86802	91



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

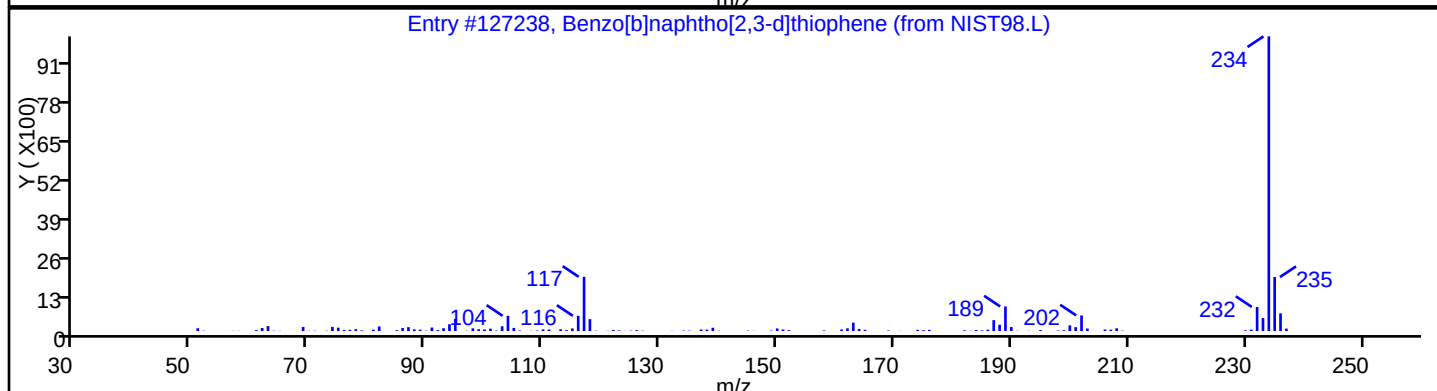
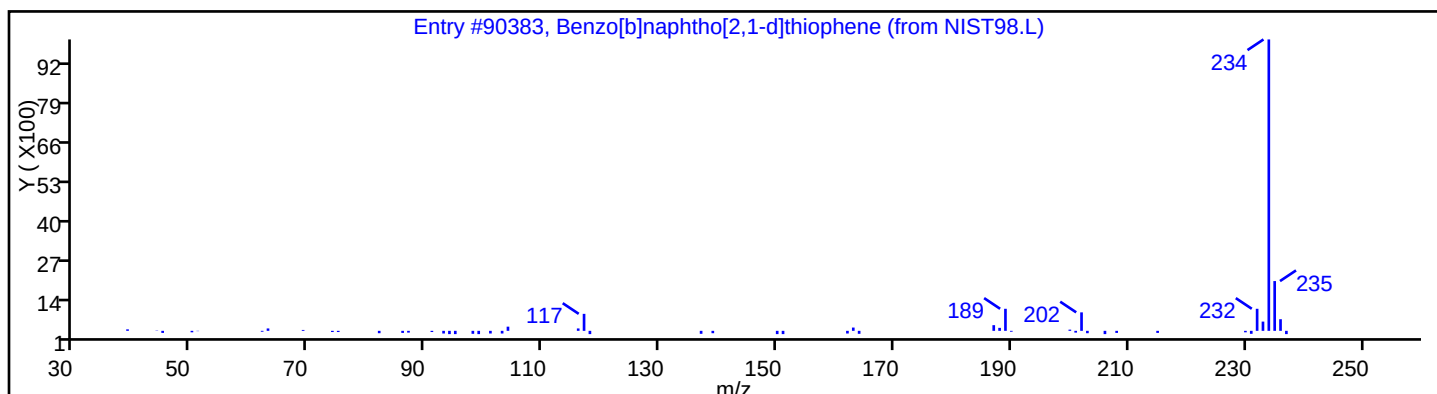
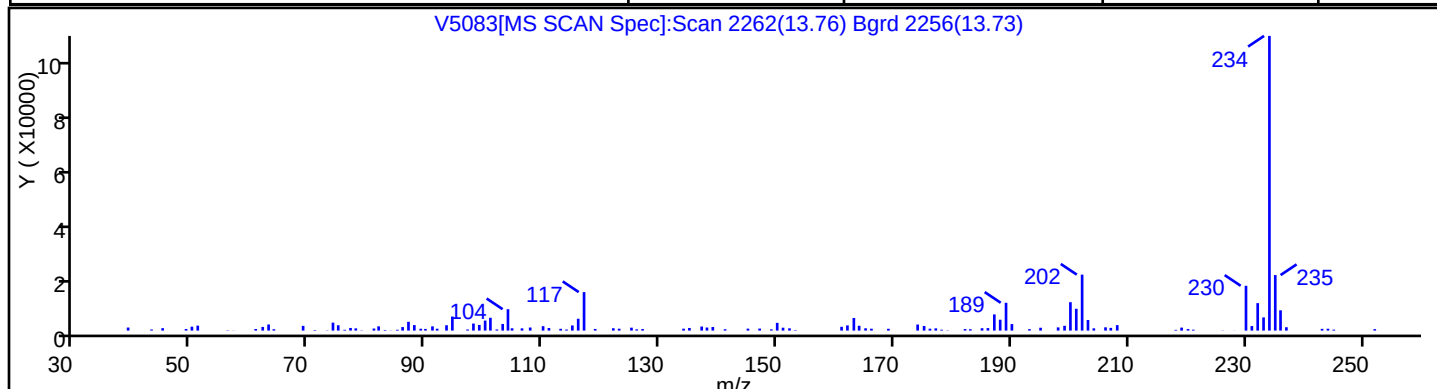
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Benzo[b]naphtho[2,1-d]thiophene	239-35-0	NIST98.L	90383	94
Benzo[b]naphtho[2,3-d]thiophene	243-46-9	NIST98.L	127238	93



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

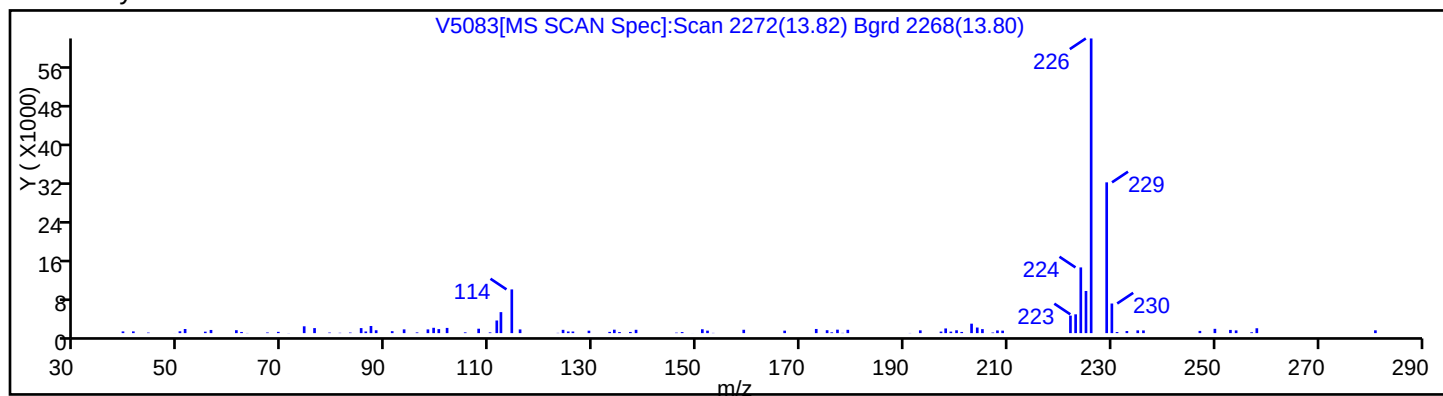
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

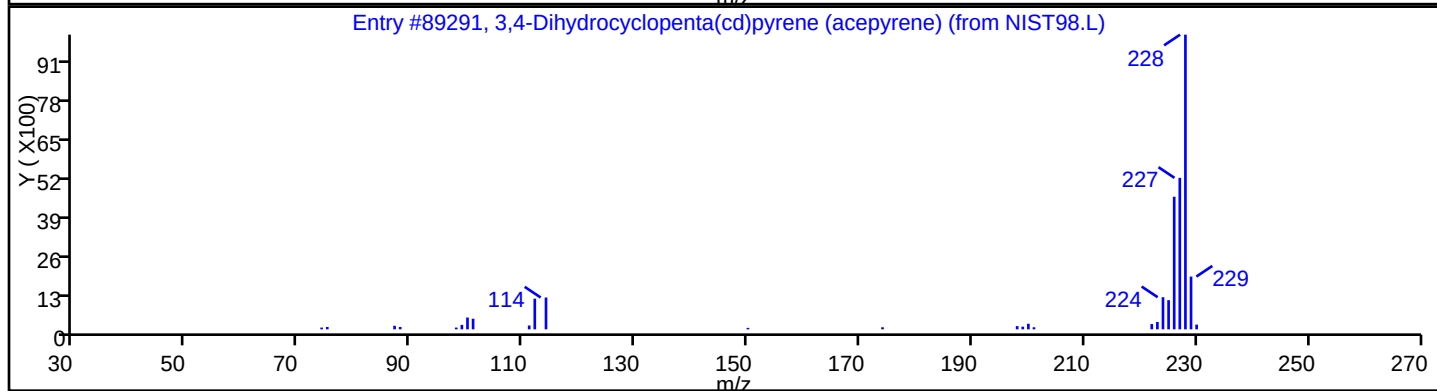
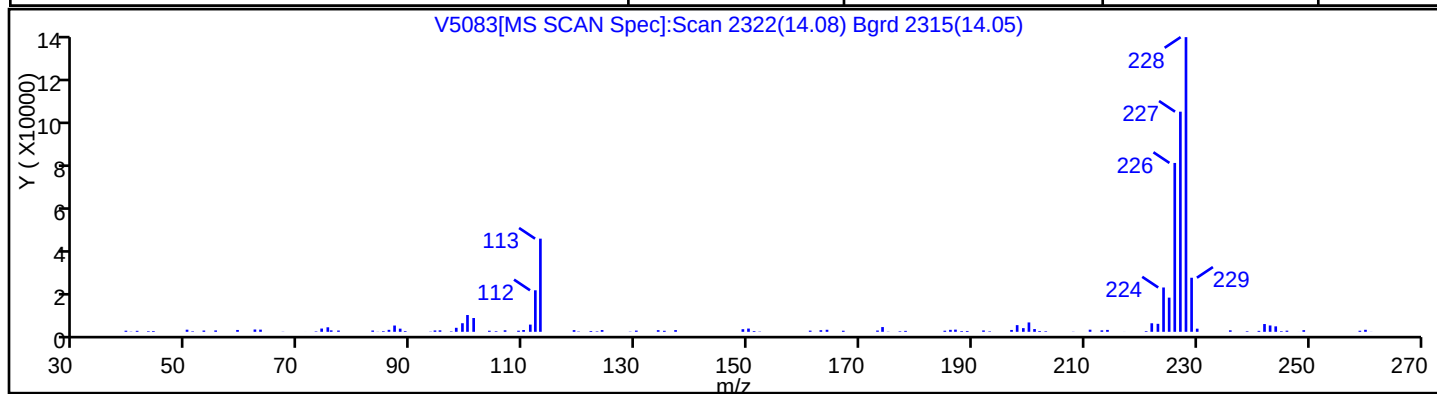
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	25732-74-5	NIST98.L	89291	93



Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

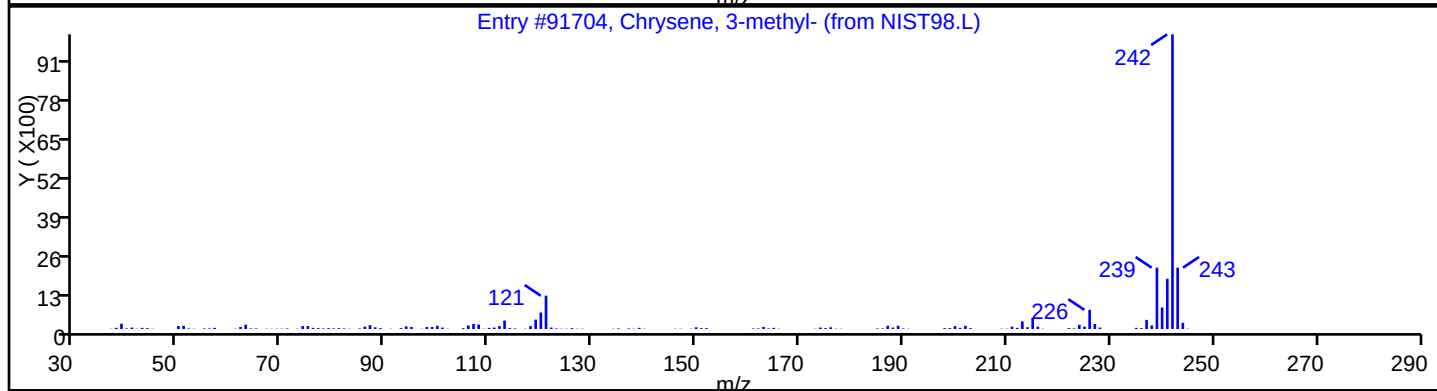
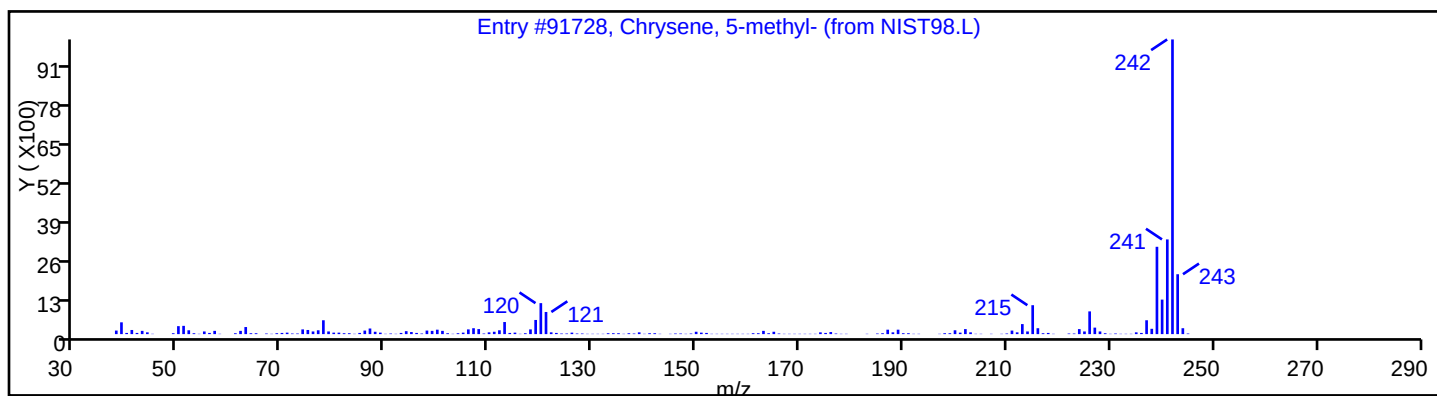
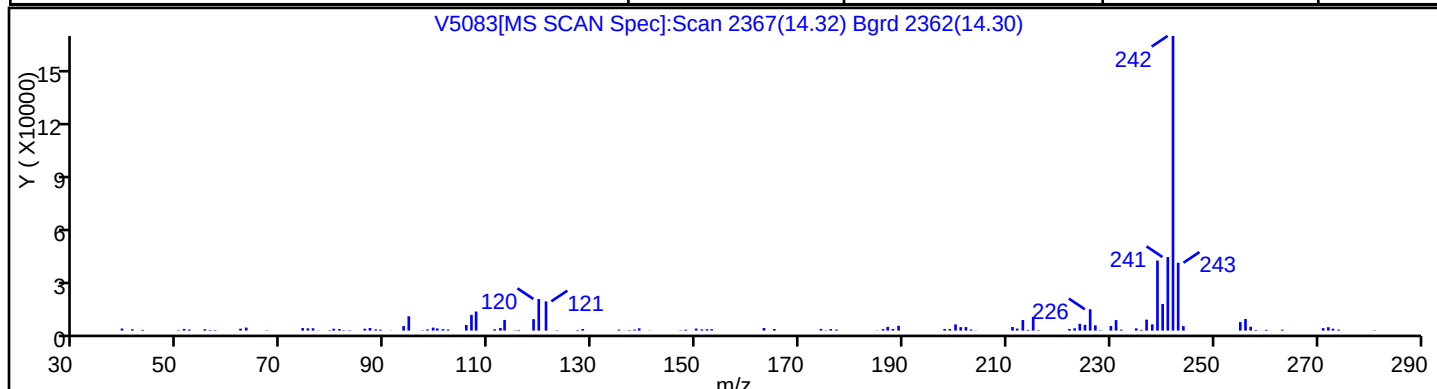
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Chrysene, 5-methyl-	3697-24-3	NIST98.L	91728	93
Chrysene, 3-methyl-	3351-31-3	NIST98.L	91704	93



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

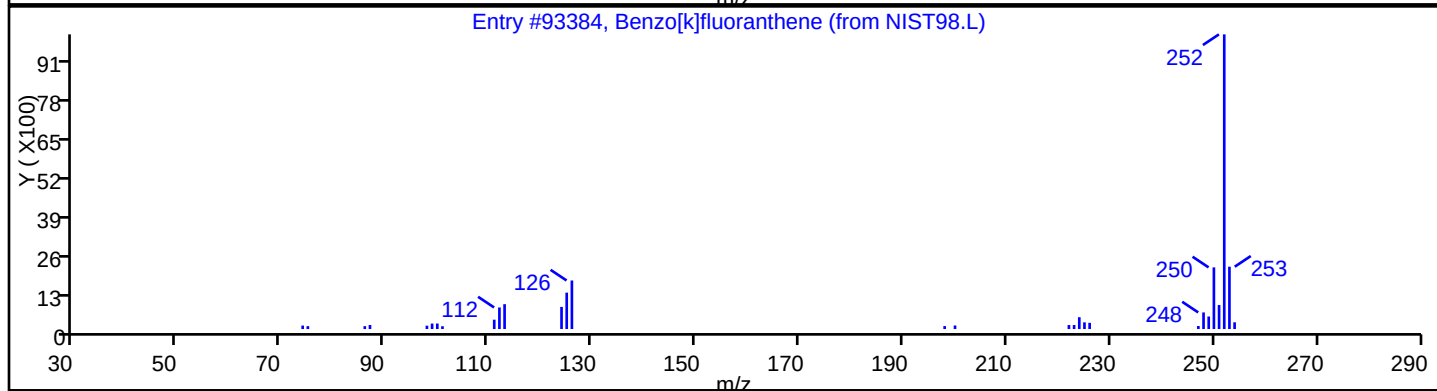
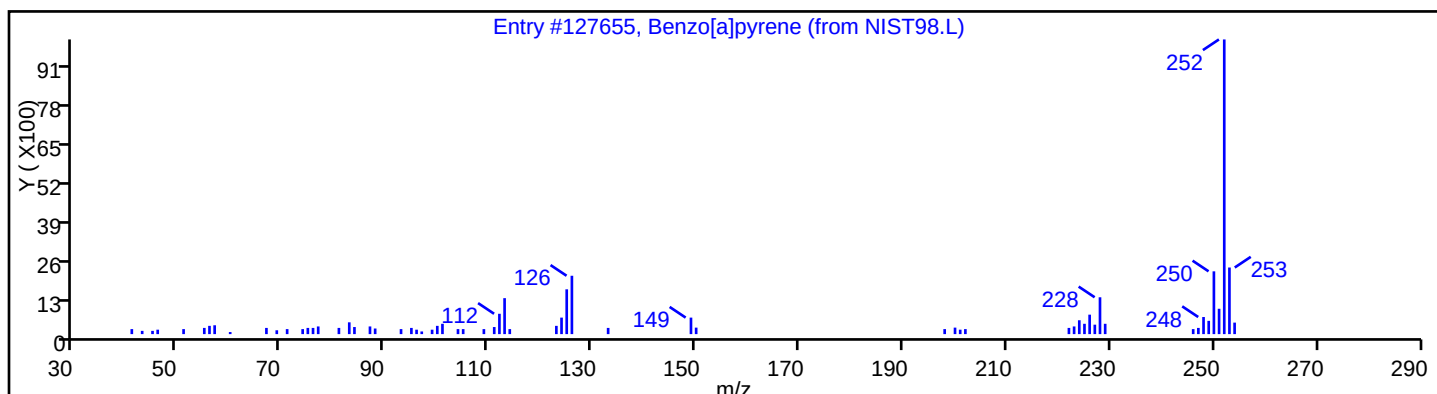
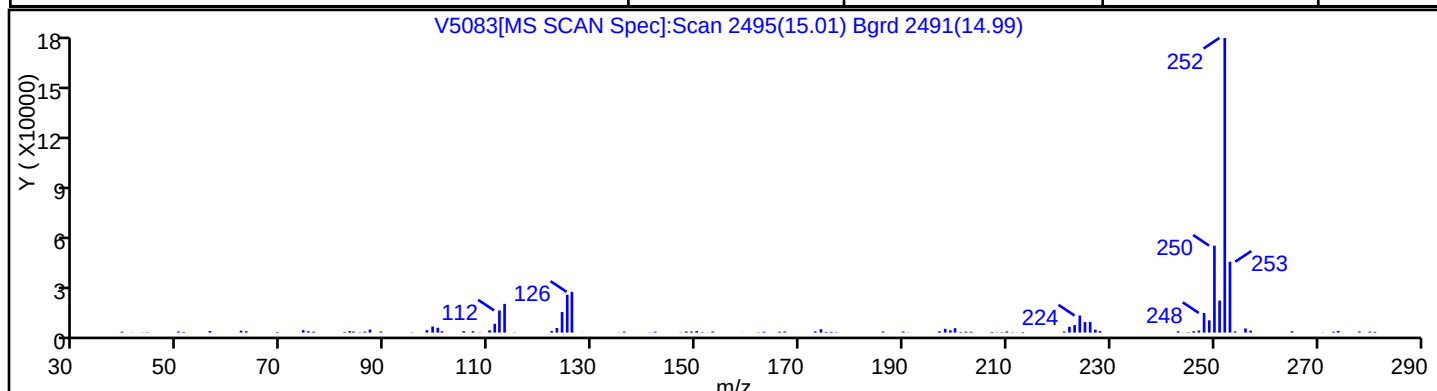
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Benzo[a]pyrene	50-32-8	NIST98.L	127655	91
Benzo[k]fluoranthene	207-8-9	NIST98.L	93384	90



Report Date: 16-Sep-2011 10:27:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

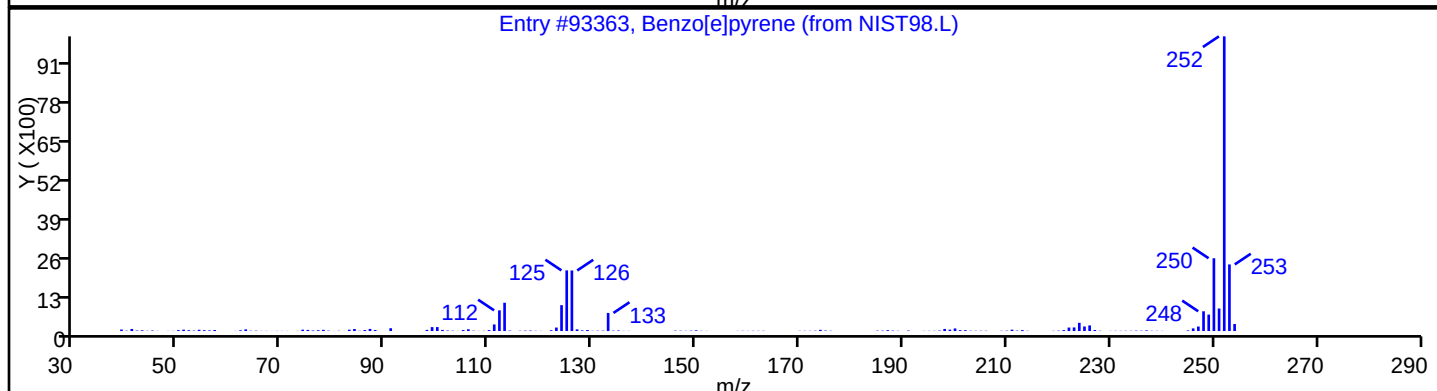
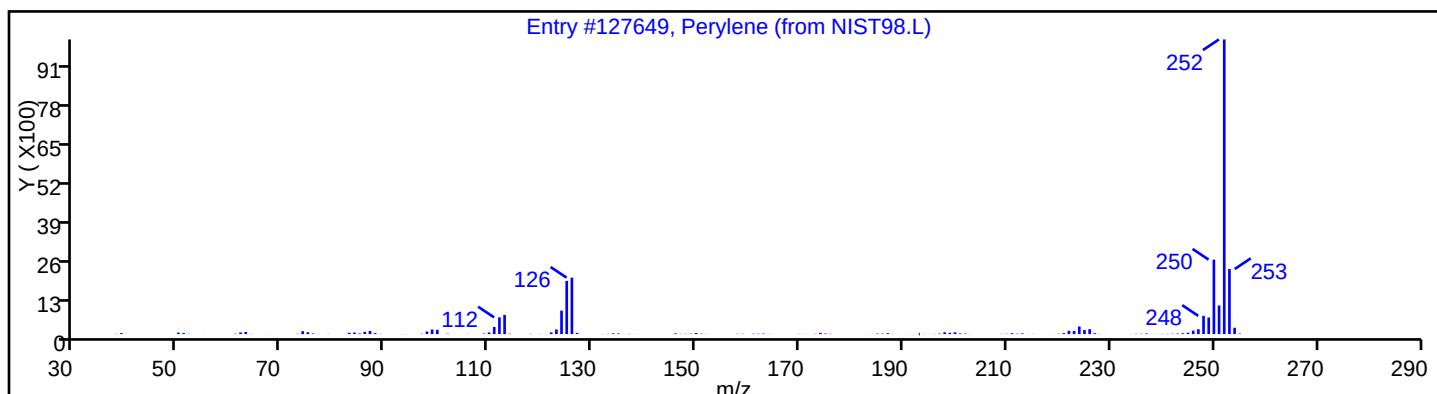
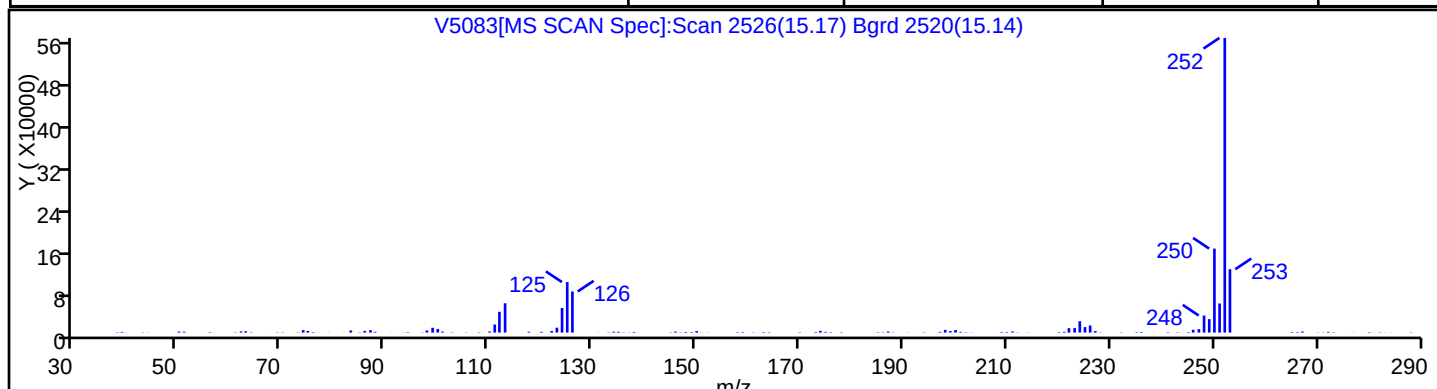
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Perylene	198-55-0	NIST98.L	127649	99
Benzo[e]pyrene	192-97-2	NIST98.L	93363	98



Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

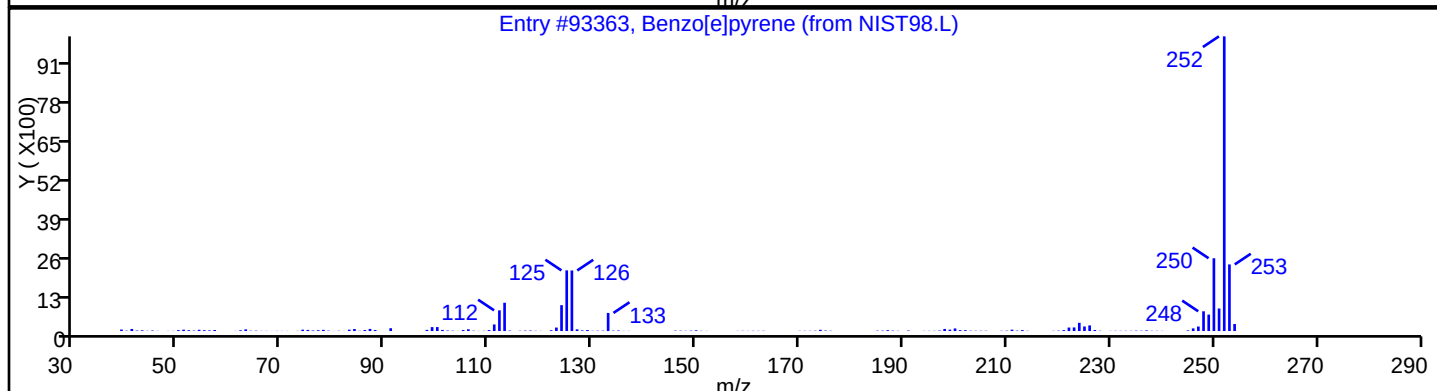
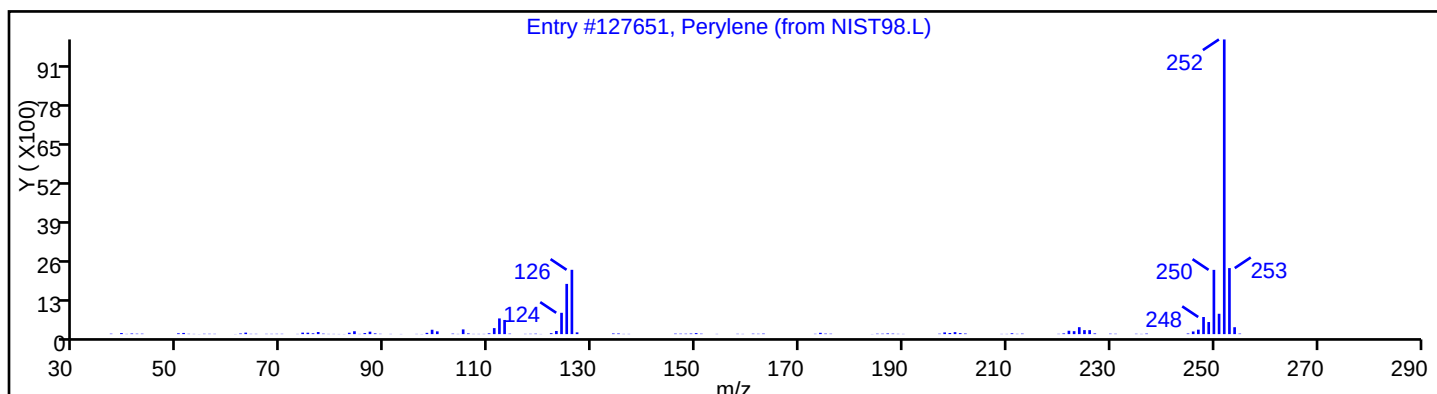
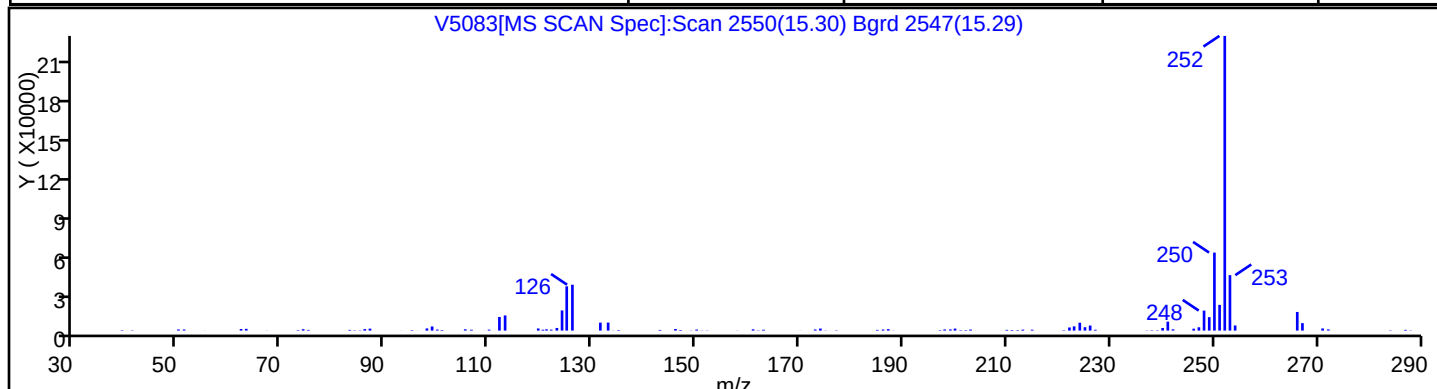
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Perylene	198-55-0	NIST98.L	127651	96
Benzo[e]pyrene	192-97-2	NIST98.L	93363	90



Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5083.D

Injection Date: 15-Sep-2011 18:17:30

Limit Group: MB - 8270C ICAL

Client ID: DUP-02

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 26

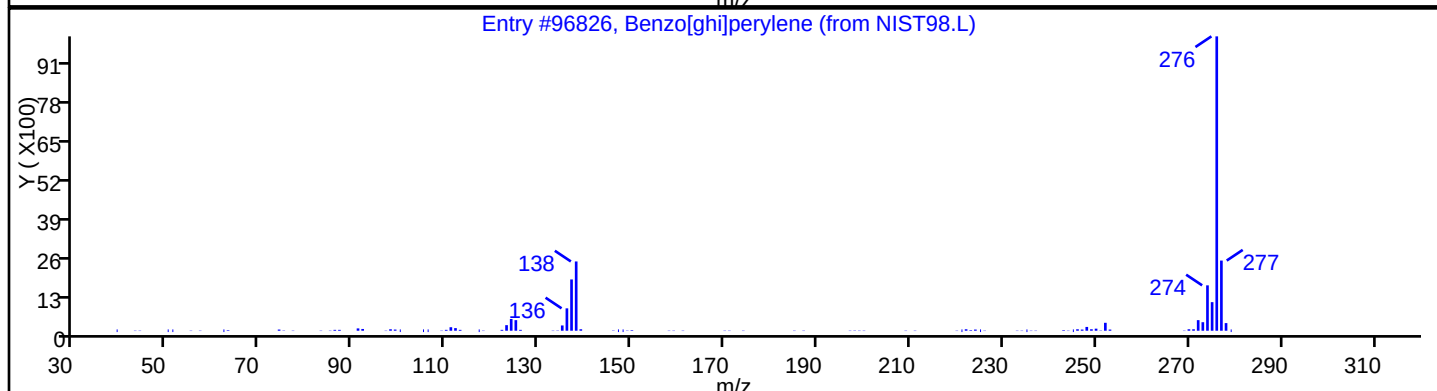
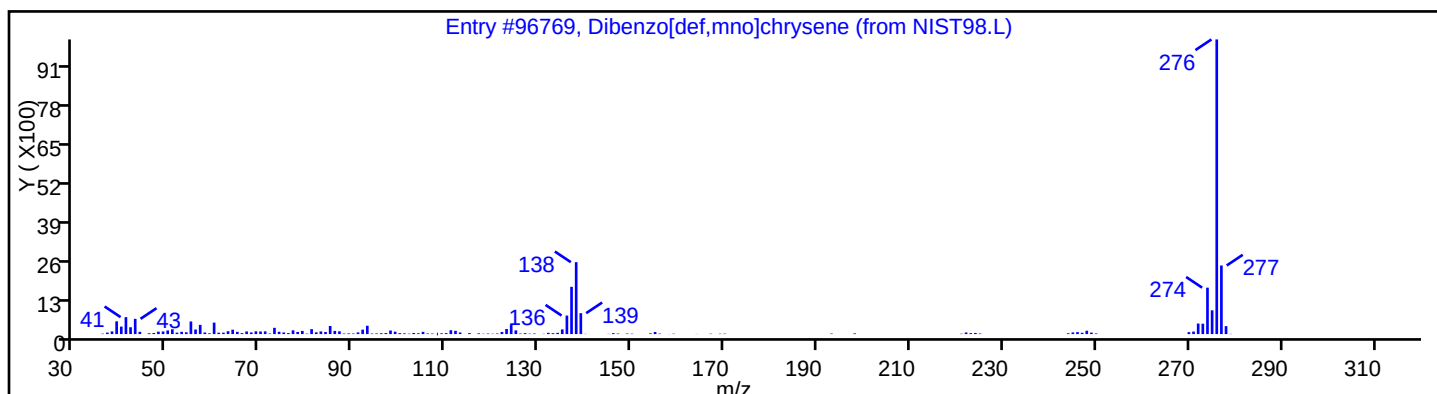
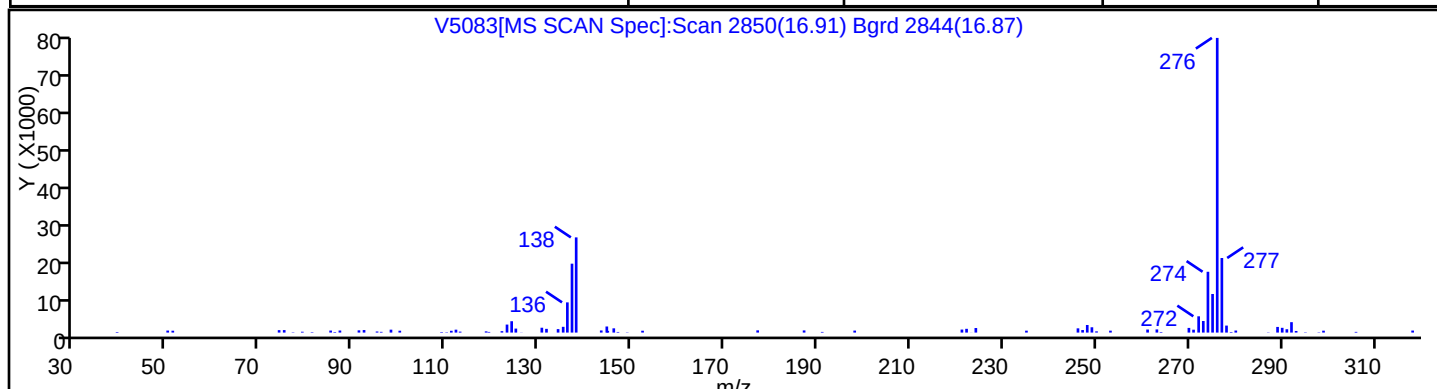
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Unknown		NIST98.L	0	0
Dibenzo[def,mno]chrysene	191-26-4	NIST98.L	96769	95
Benzo[ghi]perylene	191-24-2	NIST98.L	96826	95



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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 29958

SDG No.: _____

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/02/2011 13:24 Calibration End Date: 09/02/2011 15:23 Calibration ID: 3821

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-29958/13	V4613.D
Level 2	IC 480-29958/12	V4612.D
Level 3	IC 480-29958/11	V4611.D
Level 4	IC 480-29958/10	V4610.D
Level 5	IC 480-29958/9	V4609.D
Level 6	IC 480-29958/8	V4608.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzaldehyde	1.0999 1.1402	1.1785	1.1760	1.1572	1.1486	Ave		1.1501				2.5		15.0			
Acetophenone	1.7743 1.8346	1.9505	1.9313	1.9205	1.8625	Ave		1.8789				3.6		15.0			
Caprolactam	0.0421 0.1063	0.0762	0.0954	0.1037	0.1020	Lin1	-0.382	0.1065							0.9990		0.9900
1,2,4,5-Tetrachlorobenzene	0.5030 0.4728	0.4936	0.4991	0.5000	0.4758	Ave		0.4907				2.7		15.0			
Biphenyl	1.5286 1.3866	1.5172	1.5255	1.5172	1.4149	Ave		1.4817				4.3		15.0			
2,3,4,6-Tetrachlorophenol	0.0911 0.2395	0.1852	0.2200	0.2375	0.2360	Lin1	-0.844	0.2434							0.9990		0.9900
Atrazine	0.2152 0.3349	0.3157	0.2982	0.3259	0.3227	Ave		0.3021				15.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 29958

SDG No.: _____

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/02/2011 13:24 Calibration End Date: 09/02/2011 15:23 Calibration ID: 3821

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-29958/13	V4613.D
Level 2	IC 480-29958/12	V4612.D
Level 3	IC 480-29958/11	V4611.D
Level 4	IC 480-29958/10	V4610.D
Level 5	IC 480-29958/9	V4609.D
Level 6	IC 480-29958/8	V4608.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Benzaldehyde	DCB	Ave	13534 476358	55710	143510	226146	352486	5.00 160	20.0	50.0	80.0	120
Acetophenone	DCB	Ave	21832 766454	92205	235680	375297	571570	5.00 160	20.0	50.0	80.0	120
Caprolactam	NPT	Lin1	1977 175608	14413	46118	80248	123036	5.00 160	20.0	50.0	80.0	120
1,2,4,5-Tetrachlorobenzene	ANT	Ave	13245 438042	53342	133540	212751	322664	5.00 160	20.0	50.0	80.0	120
Biphenyl	ANT	Ave	40252 1284676	163957	408197	645603	959478	5.00 160	20.0	50.0	80.0	120
2,3,4,6-Tetrachlorophenol	ANT	Lin1	2399 221877	20015	58872	101069	160007	5.00 160	20.0	50.0	80.0	120
Atrazine	ANT	Ave	5667 310302	34120	79803	138675	218854	5.00 160	20.0	50.0	80.0	120

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110902-5734.b\V4608.D
 Lims ID: IC - TCLADDS 160 pt Client ID:
 Inject. Date: 02-Sep-2011 13:24:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 480-0005734-008
 Misc. Info.: IC - TCLADDS 160 PT
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 8
 Lims Batch ID: 29958 Lims Sample ID: 8
 Sublist: chrom-V-8270*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110902-5734.b\V-8270.m
 Last Update: 06-Sep-2011 07:29:41 Calib Date: 02-Sep-2011 15:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110902-5734.b\V4613.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 06-Sep-2011 07:17:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.943	5.944	-0.001	96	104445	40.0	
* 2 Naphthalene-d8	136	7.648	7.648	0.0	99	412981	40.0	
* 3 Acenaphthene-d10	164	9.918	9.918	0.0	90	231628	40.0	
* 4 Phenanthrene-d10	188	11.617	11.617	0.0	97	384797	40.0	
* 5 Chrysene-d12	240	14.101	14.101	0.0	98	363081	40.0	
* 6 Perylene-d12	264	15.426	15.426	0.0	98	361396	40.0	
88 Benzaldehyde	77	5.334	5.329	0.005	91	476358	158.6	
104 Acetophenone	105	6.488	6.488	0.0	92	766454	156.2	
127 Caprolactam	113	8.193	8.155	0.037	70	175608	163.2	M
138 1,2,4,5-Tetrachlorobenzene	216	8.812	8.812	0.0	98	438042	154.2	
144 1,1'-Biphenyl	154	9.192	9.192	0.0	96	1284676	149.7	
158 2,3,4,6-Tetrachlorophenol	232	10.340	10.340	0.0	74	221877	160.9	
180 Atrazine	200	11.339	11.329	0.010	90	310302	177.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 06-Sep-2011 07:29:41

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File:

\\Bufchrom\ChromData\HP5973V\20110902-5734.b\V4608.D

Injection Date: 02-Sep-2011 13:24:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 29958

Lims Sample ID: 8

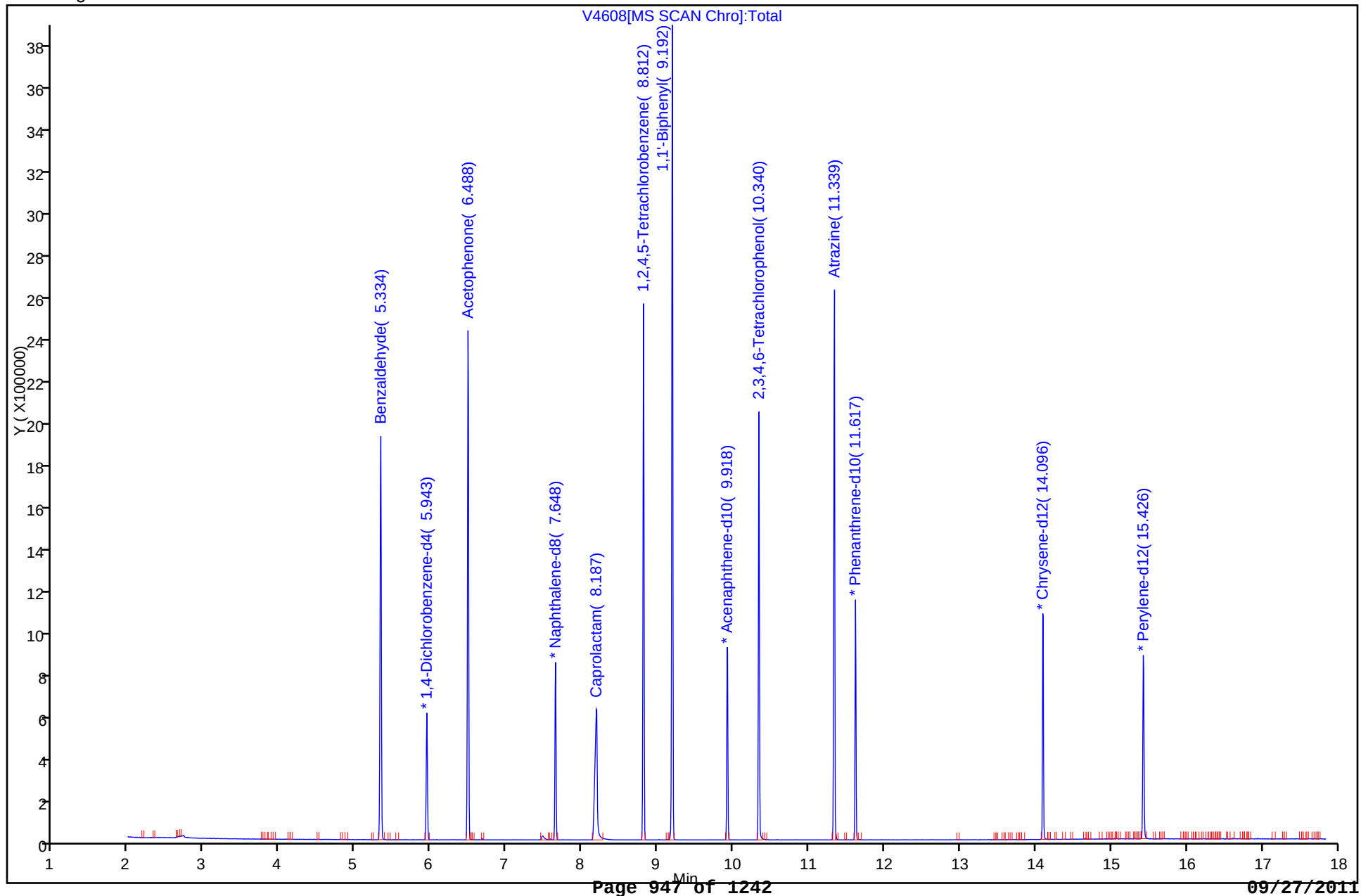
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

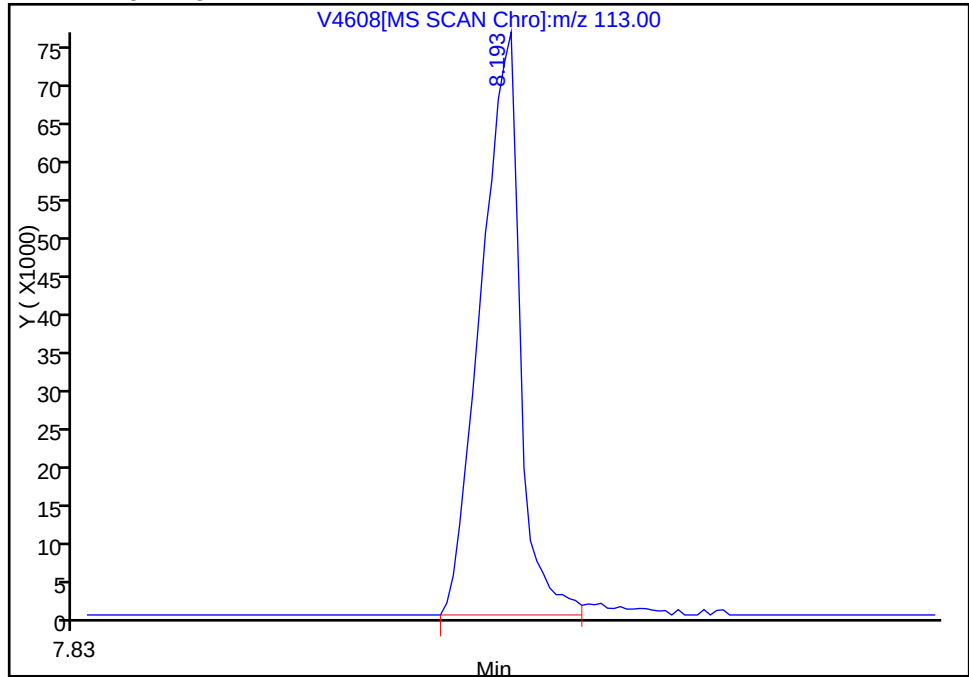


Data File:	\\Bufchrom\ChromData\HP5973V\20110902-5734.b\V4608.D		
Injection Date:	02-Sep-2011 13:24:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	29958	Lims Sample ID:	8
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

127 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 8.16

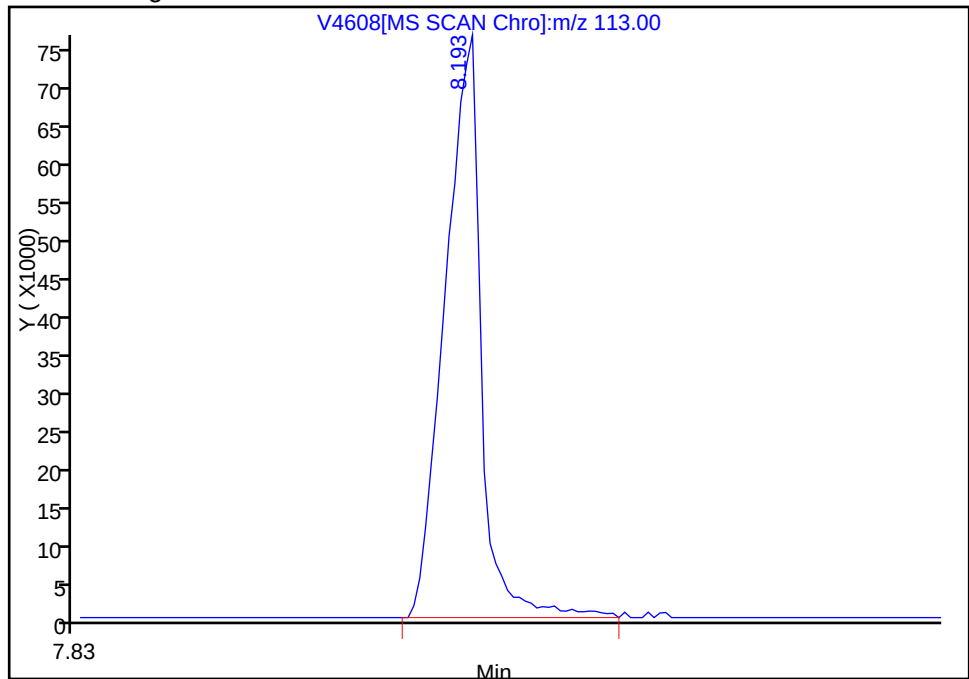
RT: 8.19
Response: 171758
Amount: 176.3285

Processing Integration Results



RT: 8.19
Response: 175608
Amount: 163.2290

Manual Integration Results



Reviewer: pagem, 06-Sep-2011 07:17:02
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110902-5734.b\V4609.D
 Lims ID: IC - TCLADDS 120 pt Client ID:
 Inject. Date: 02-Sep-2011 13:47:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 480-0005734-009
 Misc. Info.: IC - TCLADDS 120 PT
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 9
 Lims Batch ID: 29958 Lims Sample ID: 9
 Sublist: chrom-V-8270*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110902-5734.b\V-8270.m
 Last Update: 06-Sep-2011 07:29:42 Calib Date: 02-Sep-2011 15:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110902-5734.b\V4613.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 06-Sep-2011 07:17:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.944	5.944	0.0	96	102293	40.0	
* 2 Naphthalene-d8	136	7.648	7.648	0.0	99	401919	40.0	
* 3 Acenaphthene-d10	164	9.918	9.918	0.0	91	226037	40.0	
* 4 Phenanthrene-d10	188	11.617	11.617	0.0	97	372417	40.0	
* 5 Chrysene-d12	240	14.101	14.101	0.0	98	349650	40.0	
* 6 Perylene-d12	264	15.426	15.426	0.0	98	344754	40.0	
88 Benzaldehyde	77	5.329	5.329	0.0	90	352486	119.8	
104 Acetophenone	105	6.488	6.488	0.0	93	571570	119.0	
127 Caprolactam	113	8.182	8.155	0.027	70	123036	118.5	M
138 1,2,4,5-Tetrachlorobenzene	216	8.812	8.812	0.0	99	322664	116.4	
144 1,1'-Biphenyl	154	9.192	9.192	0.0	95	959478	114.6	
158 2,3,4,6-Tetrachlorophenol	232	10.340	10.340	0.0	75	160007	119.8	
180 Atrazine	200	11.334	11.329	0.005	88	218854	128.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 06-Sep-2011 07:29:42

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File:

\\Bufchrom\ChromData\HP5973V\20110902-5734.b\V4609.D

Injection Date: 02-Sep-2011 13:47:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 29958

Lims Sample ID: 9

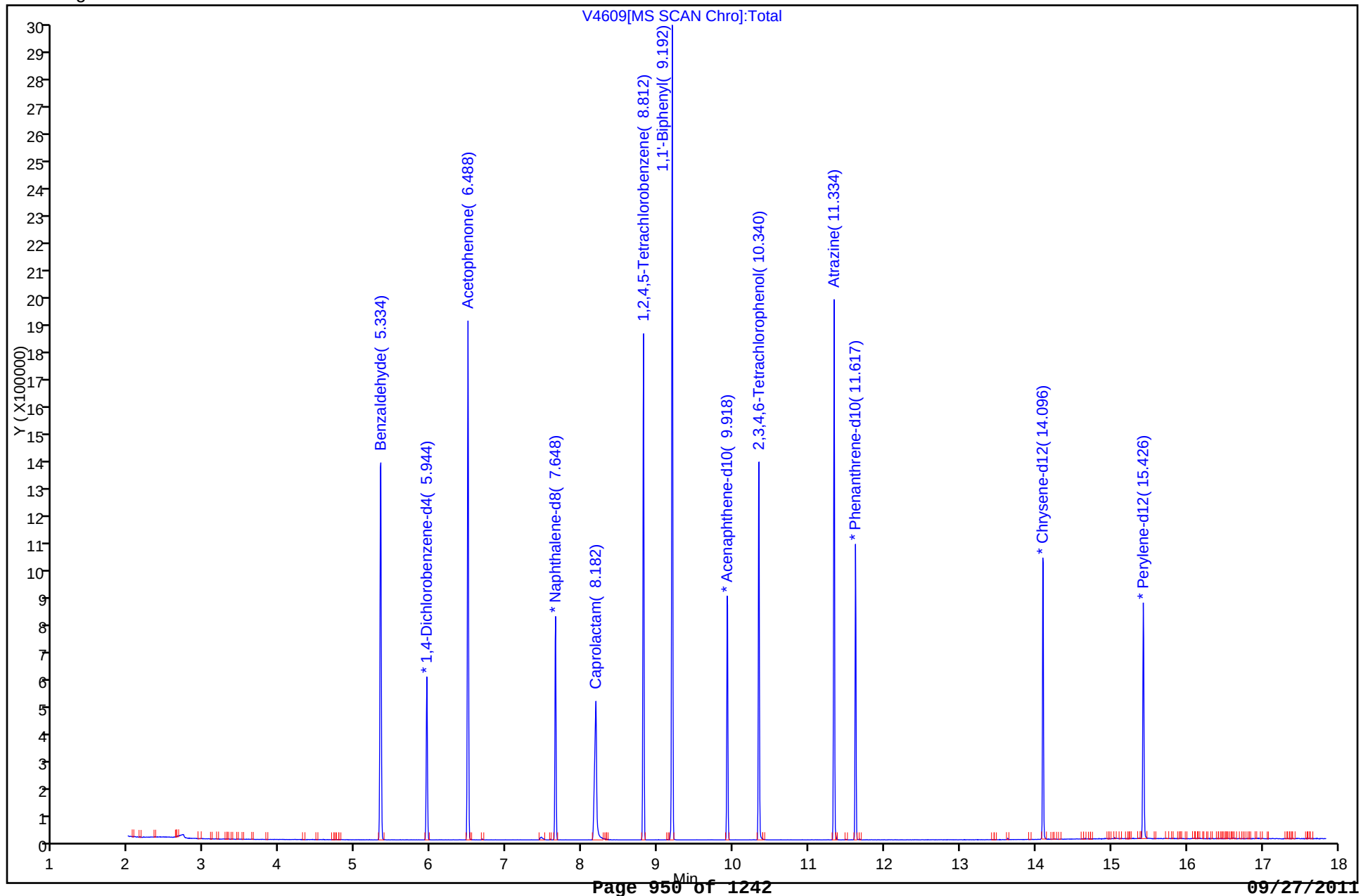
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

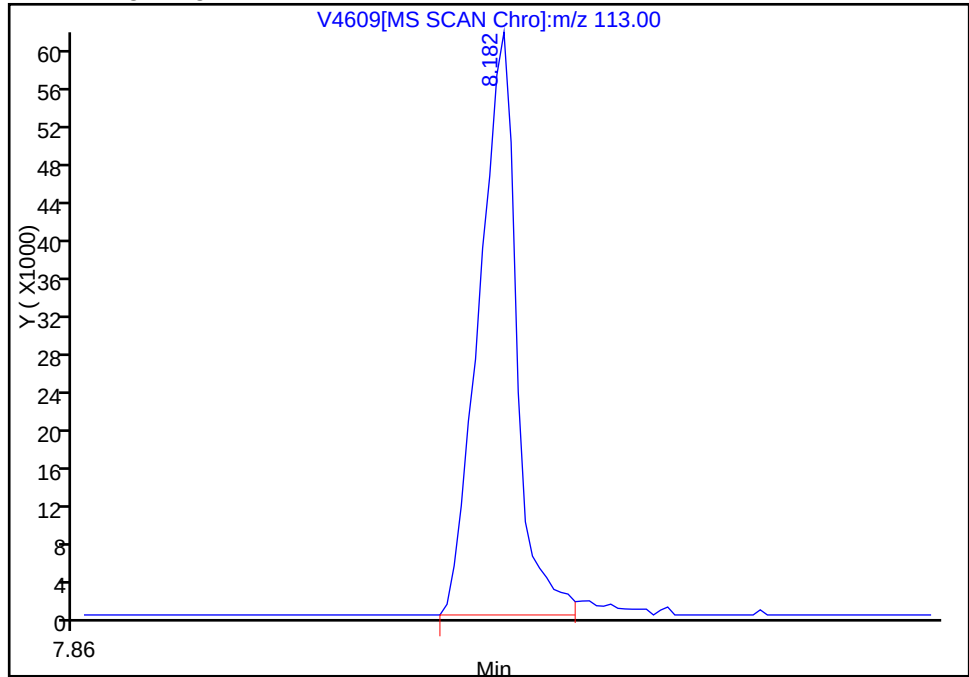


Data File:	\\Bufchrom\ChromData\HP5973V\20110902-5734.b\4609.D		
Injection Date:	02-Sep-2011 13:47:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	29958	Lims Sample ID:	9
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

127 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 8.16

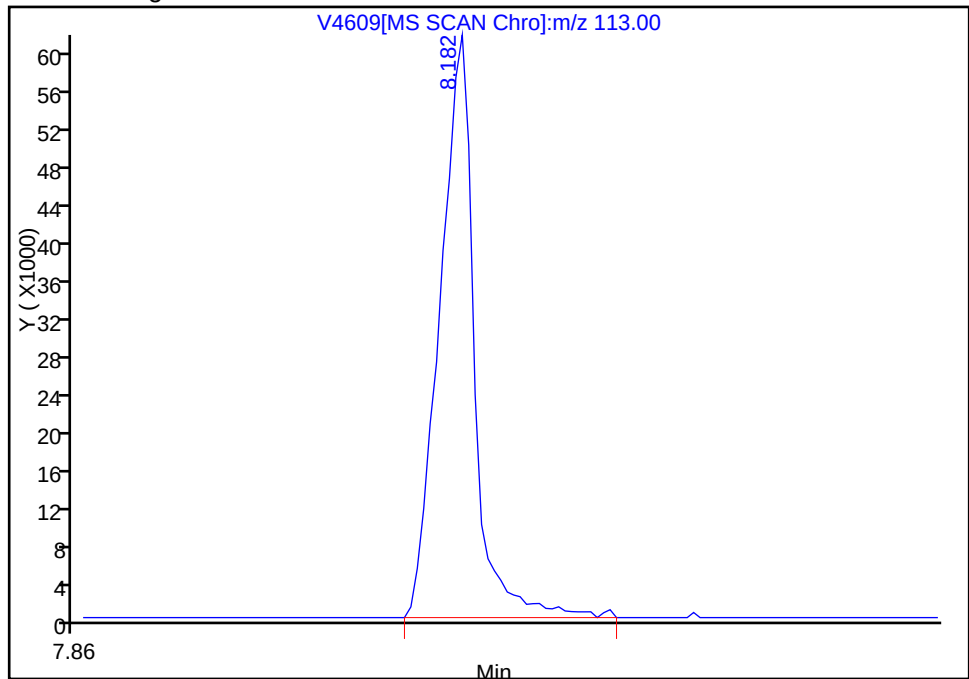
RT: 8.18
Response: 119684
Amount: 125.6298

Processing Integration Results



RT: 8.18
Response: 123036
Amount: 118.5149

Manual Integration Results



Reviewer: pagem, 06-Sep-2011 07:17:19
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110902-5734.b\V4610.D
 Lims ID: IC - TCLADDS 80 pt Client ID:
 Inject. Date: 02-Sep-2011 14:11:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 480-0005734-010
 Misc. Info.: IC - TCLADDS 80 PT
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 10
 Lims Batch ID: 29958 Lims Sample ID: 10
 Sublist: chrom-V-8270*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110902-5734.b\V-8270.m
 Last Update: 06-Sep-2011 07:29:42 Calib Date: 02-Sep-2011 15:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110902-5734.b\V4613.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 06-Sep-2011 07:17:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.944	5.944	0.0	97	97709	40.0	
* 2 Naphthalene-d8	136	7.648	7.648	0.0	99	387051	40.0	
* 3 Acenaphthene-d10	164	9.924	9.918	0.006	91	212768	40.0	
* 4 Phenanthrene-d10	188	11.617	11.617	0.0	97	359820	40.0	
* 5 Chrysene-d12	240	14.101	14.101	0.0	98	336127	40.0	
* 6 Perylene-d12	264	15.426	15.426	0.0	97	337864	40.0	
88 Benzaldehyde	77	5.329	5.329	0.0	90	226146	80.5	
104 Acetophenone	105	6.489	6.488	0.0	93	375297	81.8	
127 Caprolactam	113	8.171	8.155	0.016	67	80248	81.4	M
138 1,2,4,5-Tetrachlorobenzene	216	8.812	8.812	0.0	97	212751	81.5	
144 1,1'-Biphenyl	154	9.192	9.192	0.0	95	645603	81.9	
158 2,3,4,6-Tetrachlorophenol	232	10.340	10.340	0.0	73	101069	81.5	
180 Atrazine	200	11.334	11.329	0.005	90	138675	86.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 06-Sep-2011 07:29:42

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File:

\\Bufchrom\ChromData\HP5973V\20110902-5734.b\V4610.D

Injection Date: 02-Sep-2011 14:11:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 29958

Lims Sample ID: 10

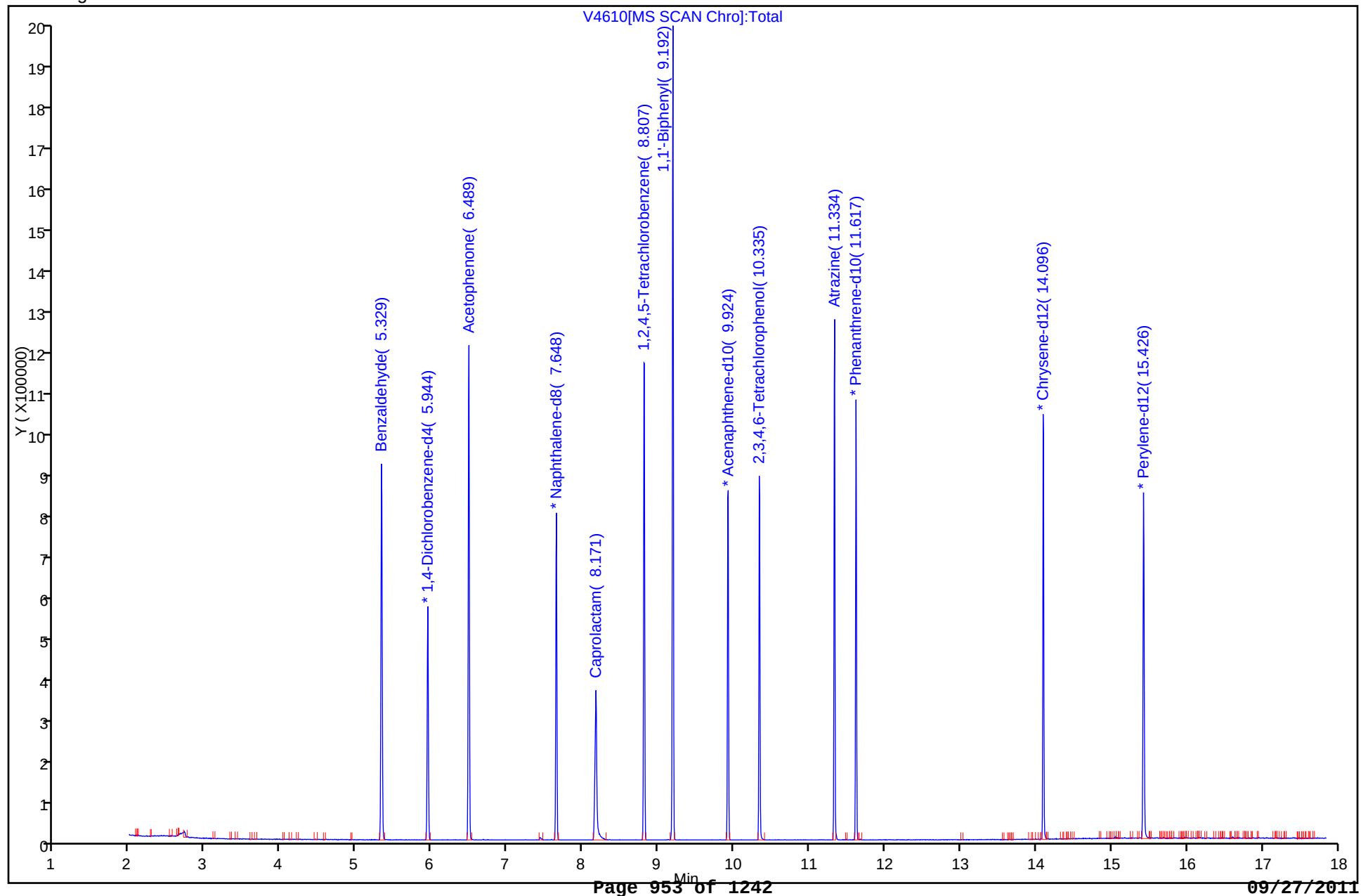
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

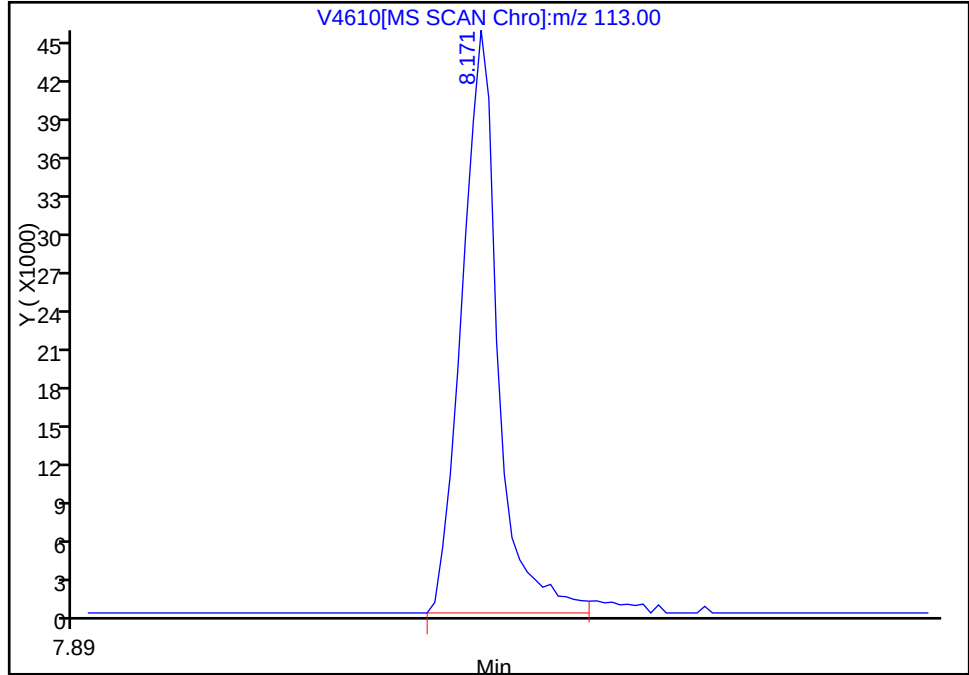


Data File:	\\Bufchrom\ChromData\HP5973V\20110902-5734.b\V4610.D		
Injection Date:	02-Sep-2011 14:11:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	29958	Lims Sample ID:	10
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

127 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 8.16

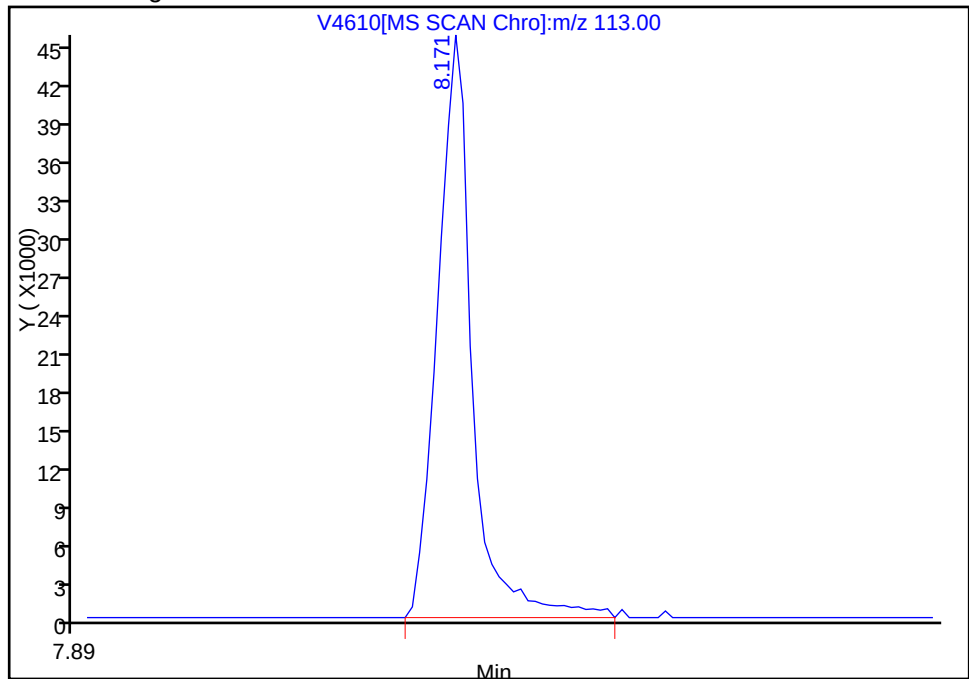
RT: 8.17
Response: 78611
Amount: 85.195831

Processing Integration Results



RT: 8.17
Response: 80248
Amount: 81.425749

Manual Integration Results



Reviewer: pagem, 06-Sep-2011 07:17:40
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110902-5734.b\V4611.D
 Lims ID: IC - TCLADDS 50 pt Client ID:
 Inject. Date: 02-Sep-2011 14:35:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 480-0005734-011
 Misc. Info.: IC - TCLADDS 50 PT
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 11
 Lims Batch ID: 29958 Lims Sample ID: 11
 Sublist: chrom-V-8270*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110902-5734.b\V-8270.m
 Last Update: 06-Sep-2011 07:29:43 Calib Date: 02-Sep-2011 15:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110902-5734.b\V4613.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 06-Sep-2011 07:16:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.944	5.944	0.0	97	97627	40.0	
* 2 Naphthalene-d8	136	7.648	7.648	0.0	99	386609	40.0	
* 3 Acenaphthene-d10	164	9.924	9.924	0.0	91	214065	40.0	
* 4 Phenanthrene-d10	188	11.617	11.617	0.0	97	361156	40.0	
* 5 Chrysene-d12	240	14.101	14.101	0.0	98	338311	40.0	
* 6 Perylene-d12	264	15.426	15.426	0.0	98	331240	40.0	
88 Benzaldehyde	77	5.329	5.329	0.0	89	143510	51.1	
104 Acetophenone	105	6.488	6.488	0.0	94	235680	51.4	
127 Caprolactam	113	8.166	8.166	0.0	69	46118	48.4	M
138 1,2,4,5-Tetrachlorobenzene	216	8.812	8.812	0.0	98	133540	50.9	
144 1,1'-Biphenyl	154	9.192	9.192	0.0	95	408197	51.5	
158 2,3,4,6-Tetrachlorophenol	232	10.340	10.340	0.0	71	58872	48.7	
180 Atrazine	200	11.329	11.329	0.0	86	79803	49.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 06-Sep-2011 07:29:43

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File:

\\Bufchrom\ChromData\HP5973V\20110902-5734.b\V4611.D

Injection Date: 02-Sep-2011 14:35:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 29958

Lims Sample ID: 11

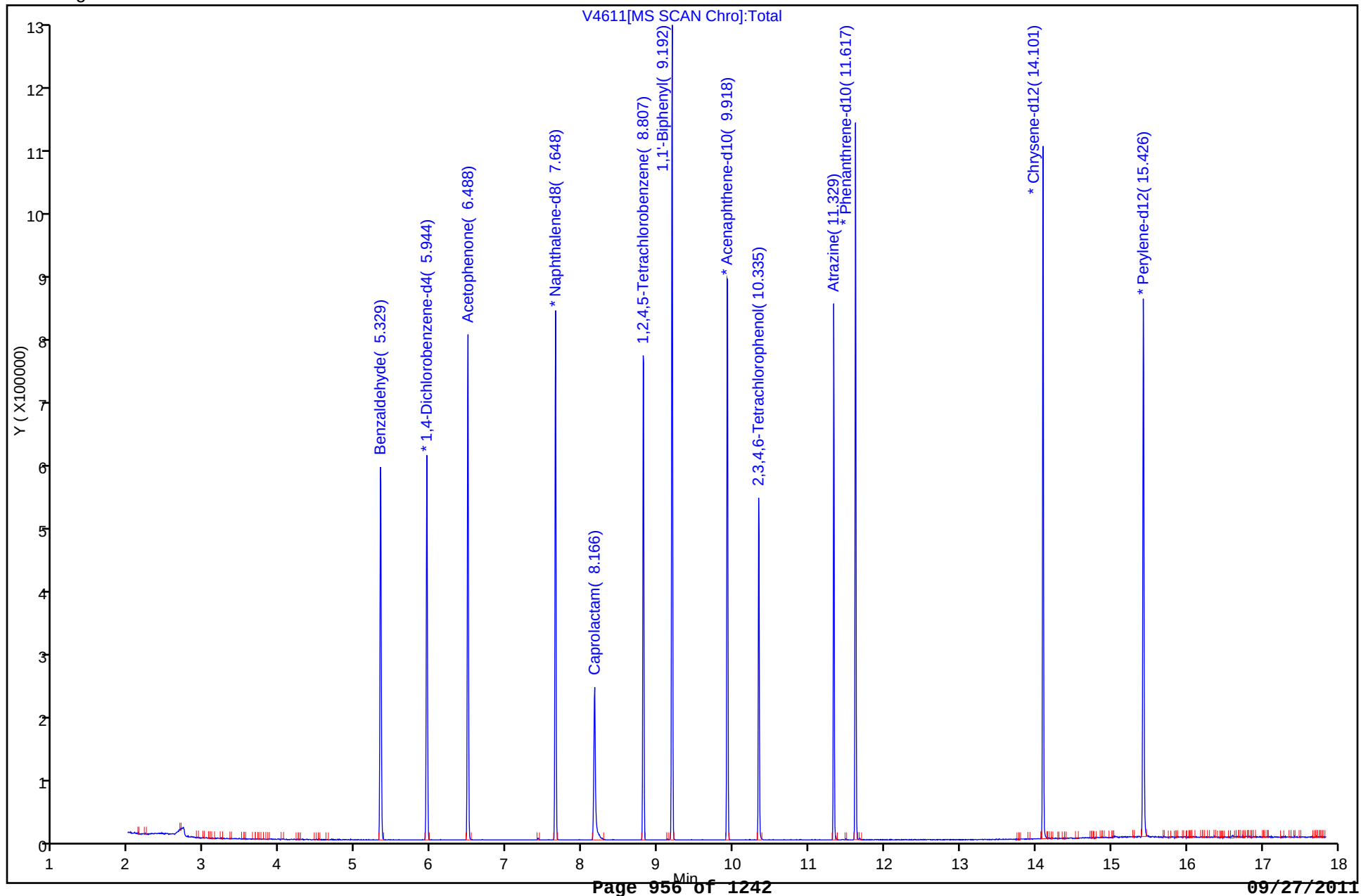
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

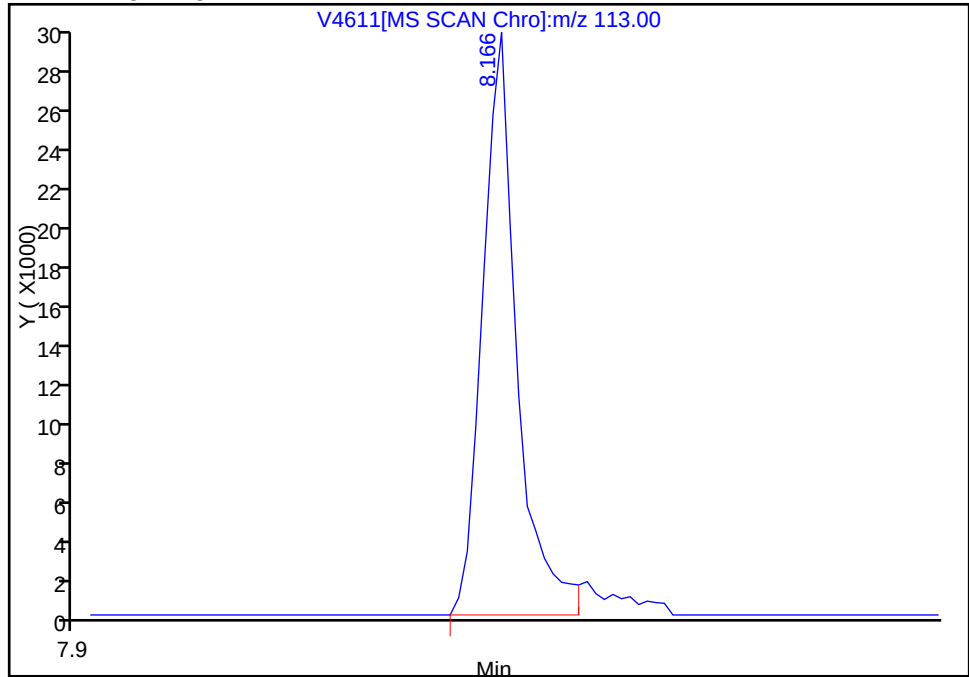


Data File:	\\Bufchrom\ChromData\HP5973V\20110902-5734.b\V4611.D		
Injection Date:	02-Sep-2011 14:35:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	29958	Lims Sample ID:	11
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

127 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 8.17

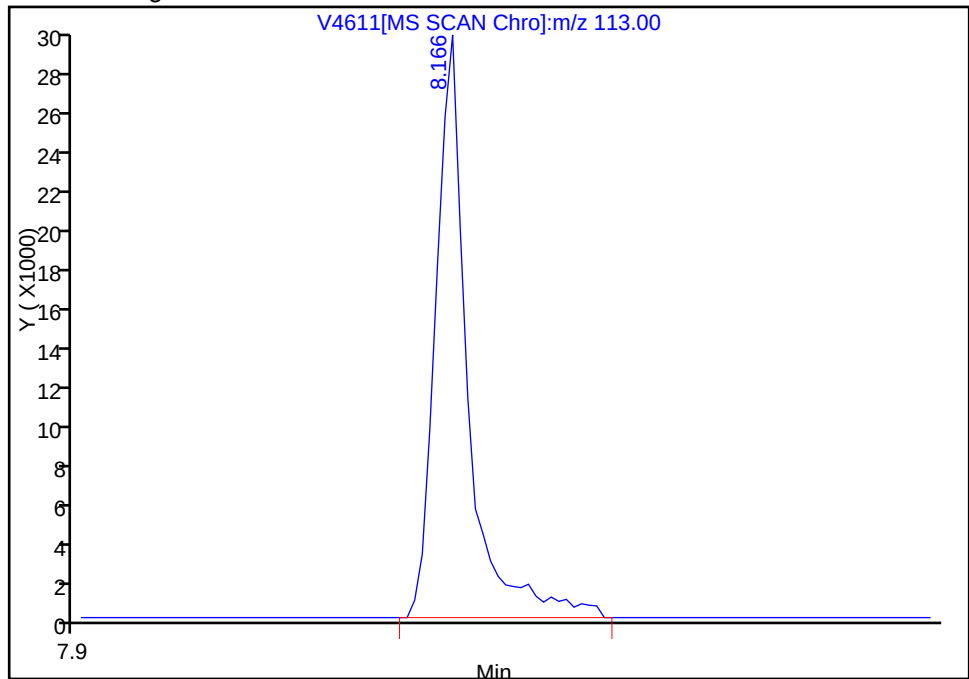
RT: 8.17
Response: 43332
Amount: 48.107475

Processing Integration Results



RT: 8.17
Response: 46118
Amount: 48.371120

Manual Integration Results



Reviewer: pagem, 06-Sep-2011 07:16:35
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110902-5734.b\V4612.D
 Lims ID: IC - TCLADDS 20 pt Client ID:
 Inject. Date: 02-Sep-2011 14:59:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 480-0005734-012
 Misc. Info.: IC - TCLADDS 20 PT
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 29958 Lims Sample ID: 12
 Sublist: chrom-V-8270*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110902-5734.b\V-8270.m
 Last Update: 06-Sep-2011 07:29:43 Calib Date: 02-Sep-2011 15:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110902-5734.b\V4613.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 06-Sep-2011 07:18:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.944	5.944	0.0	98	94545	40.0	
* 2 Naphthalene-d8	136	7.648	7.648	0.0	99	378047	40.0	
* 3 Acenaphthene-d10	164	9.924	9.924	0.0	90	216130	40.0	
* 4 Phenanthrene-d10	188	11.617	11.617	0.0	97	357223	40.0	
* 5 Chrysene-d12	240	14.101	14.101	0.0	98	328773	40.0	
* 6 Perylene-d12	264	15.426	15.426	0.0	97	331267	40.0	
88 Benzaldehyde	77	5.329	5.329	0.0	88	55710	20.5	
104 Acetophenone	105	6.488	6.488	0.0	92	92205	20.8	
127 Caprolactam	113	8.155	8.166	-0.011	57	14413	17.9	M
138 1,2,4,5-Tetrachlorobenzene	216	8.807	8.812	-0.005	97	53342	20.1	
144 1,1'-Biphenyl	154	9.192	9.192	0.0	94	163957	20.5	
158 2,3,4,6-Tetrachlorophenol	232	10.340	10.340	0.0	62	20015	18.7	
180 Atrazine	200	11.329	11.329	0.0	83	34120	20.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 06-Sep-2011 07:29:43

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File:

\\Bufchrom\ChromData\HP5973V\20110902-5734.b\V4612.D

Injection Date: 02-Sep-2011 14:59:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 29958

Lims Sample ID: 12

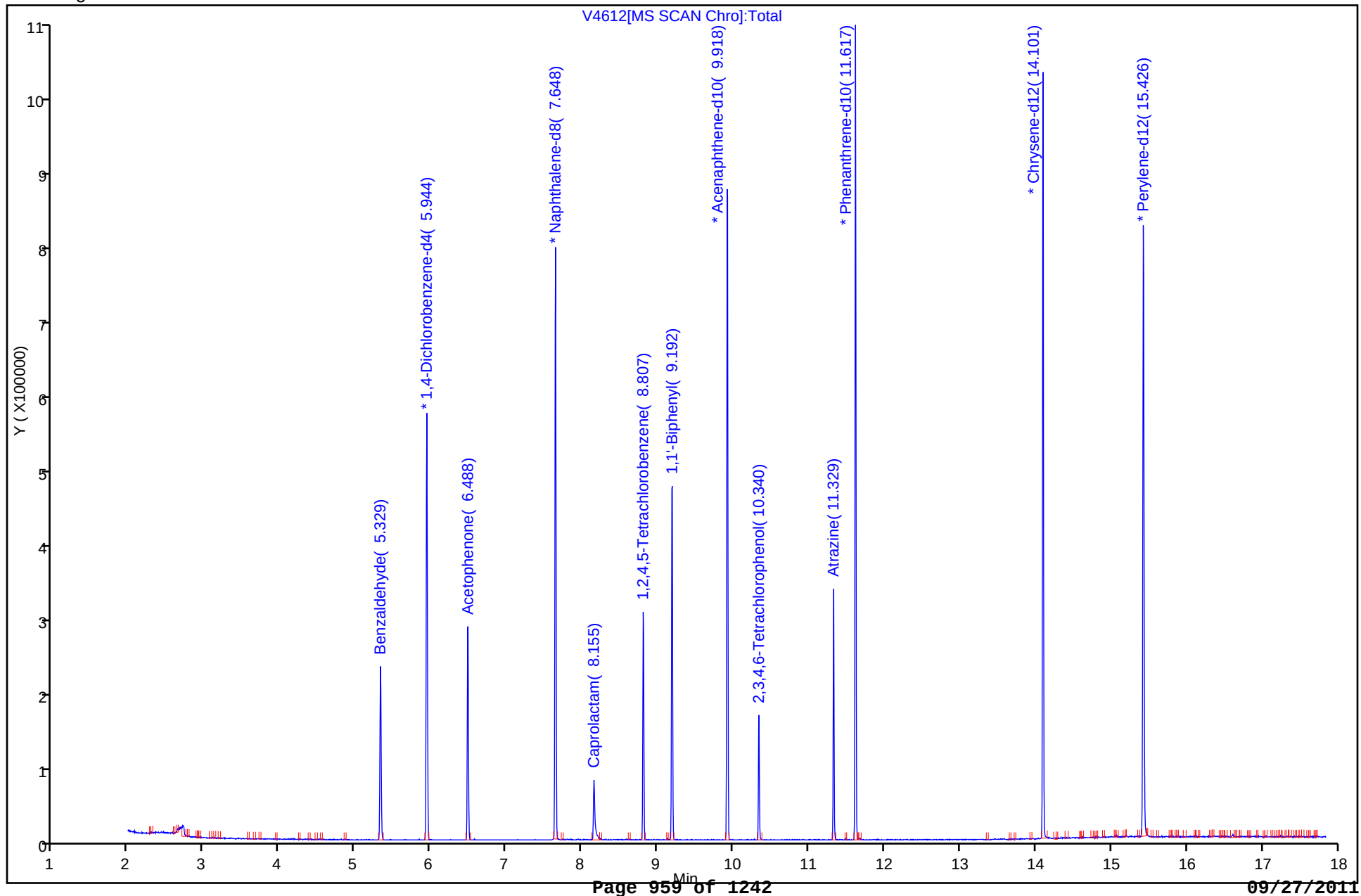
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

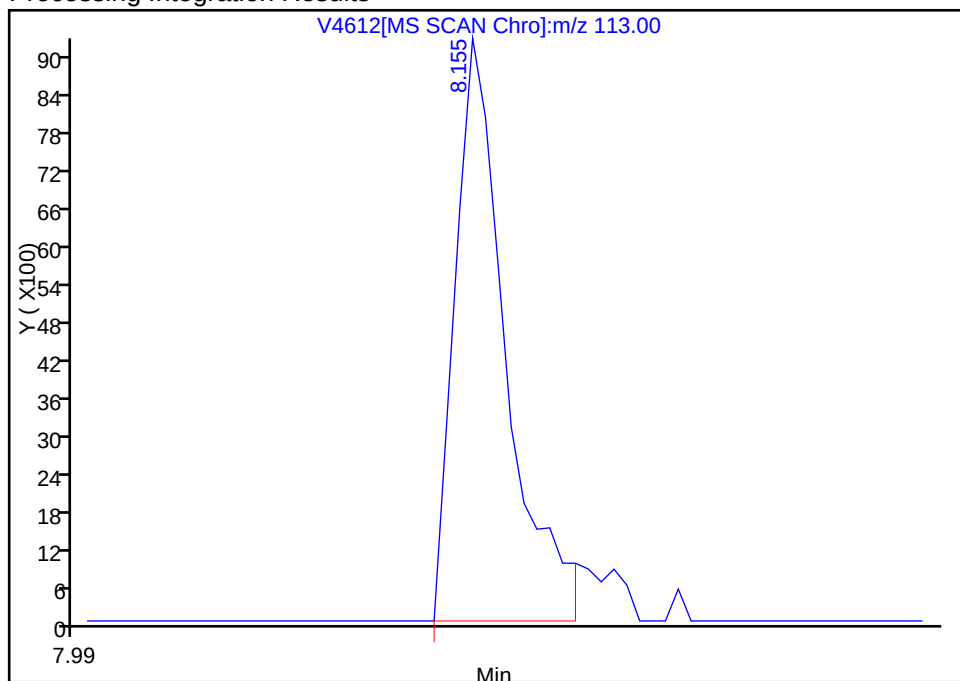


Data File:	\\Bufchrom\ChromData\HP5973V\20110902-5734.b\V4612.D		
Injection Date:	02-Sep-2011 14:59:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	29958	Lims Sample ID:	12
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

127 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 8.17

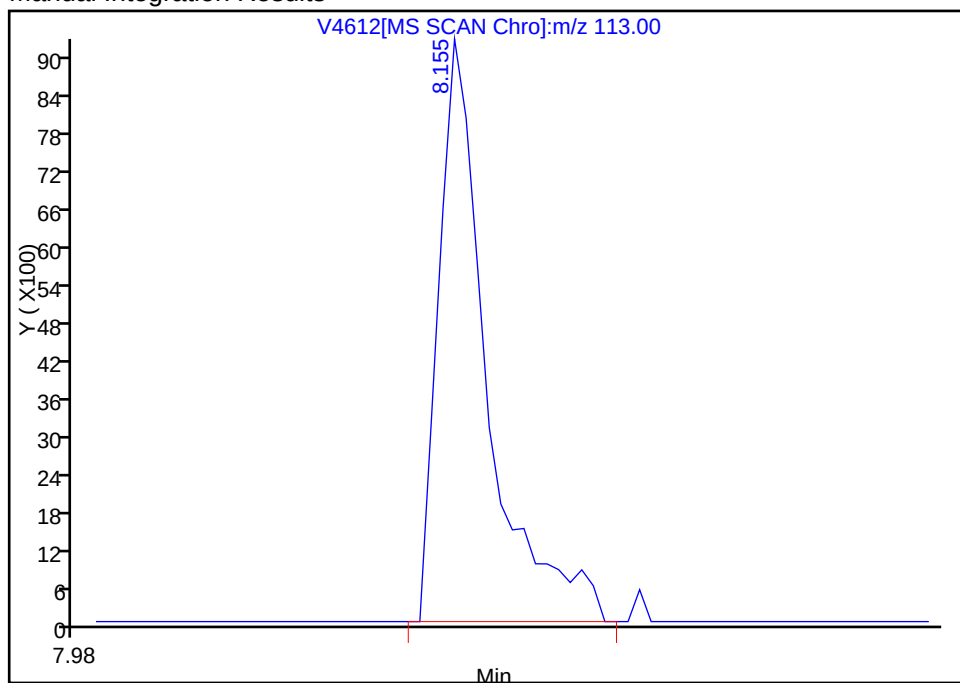
RT: 8.16
Response: 13508
Amount: 14.921982

Processing Integration Results



RT: 8.16
Response: 14413
Amount: 17.899406

Manual Integration Results



Reviewer: pagem, 06-Sep-2011 07:18:02
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110902-5734.b\V4613.D
 Lims ID: IC - TCLADDS 5 pt Client ID:
 Inject. Date: 02-Sep-2011 15:23:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 480-0005734-013
 Misc. Info.: IC - TCLADDS 5 PT
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 29958 Lims Sample ID: 13
 Sublist: chrom-V-8270*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110902-5734.b\V-8270.m
 Last Update: 06-Sep-2011 07:29:44 Calib Date: 02-Sep-2011 15:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110902-5734.b\V4613.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 06-Sep-2011 07:18:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.944	5.944	0.0	96	98436	40.0	
* 2 Naphthalene-d8	136	7.648	7.648	0.0	99	376017	40.0	
* 3 Acenaphthene-d10	164	9.924	9.924	0.0	90	210663	40.0	
* 4 Phenanthrene-d10	188	11.617	11.617	0.0	97	345618	40.0	
* 5 Chrysene-d12	240	14.101	14.101	0.0	98	316104	40.0	
* 6 Perylene-d12	264	15.426	15.426	0.0	97	321686	40.0	
88 Benzaldehyde	77	5.329	5.329	0.0	77	13534	4.78	
104 Acetophenone	105	6.489	6.488	0.001	83	21832	4.72	
127 Caprolactam	113	8.155	8.166	-0.011	22	1977	5.56	
138 1,2,4,5-Tetrachlorobenzene	216	8.807	8.812	-0.005	67	13245	5.13	
144 1,1'-Biphenyl	154	9.192	9.192	0.0	83	40252	5.16	
158 2,3,4,6-Tetrachlorophenol	232	10.340	10.340	0.0	1	2399	5.34	
180 Atrazine	200	11.329	11.329	0.0	17	5667	3.56	

Report Date: 06-Sep-2011 07:29:44

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File:

\\Bufchrom\ChromData\HP5973V\20110902-5734.b\V4613.D

Injection Date: 02-Sep-2011 15:23:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 29958

Lims Sample ID: 13

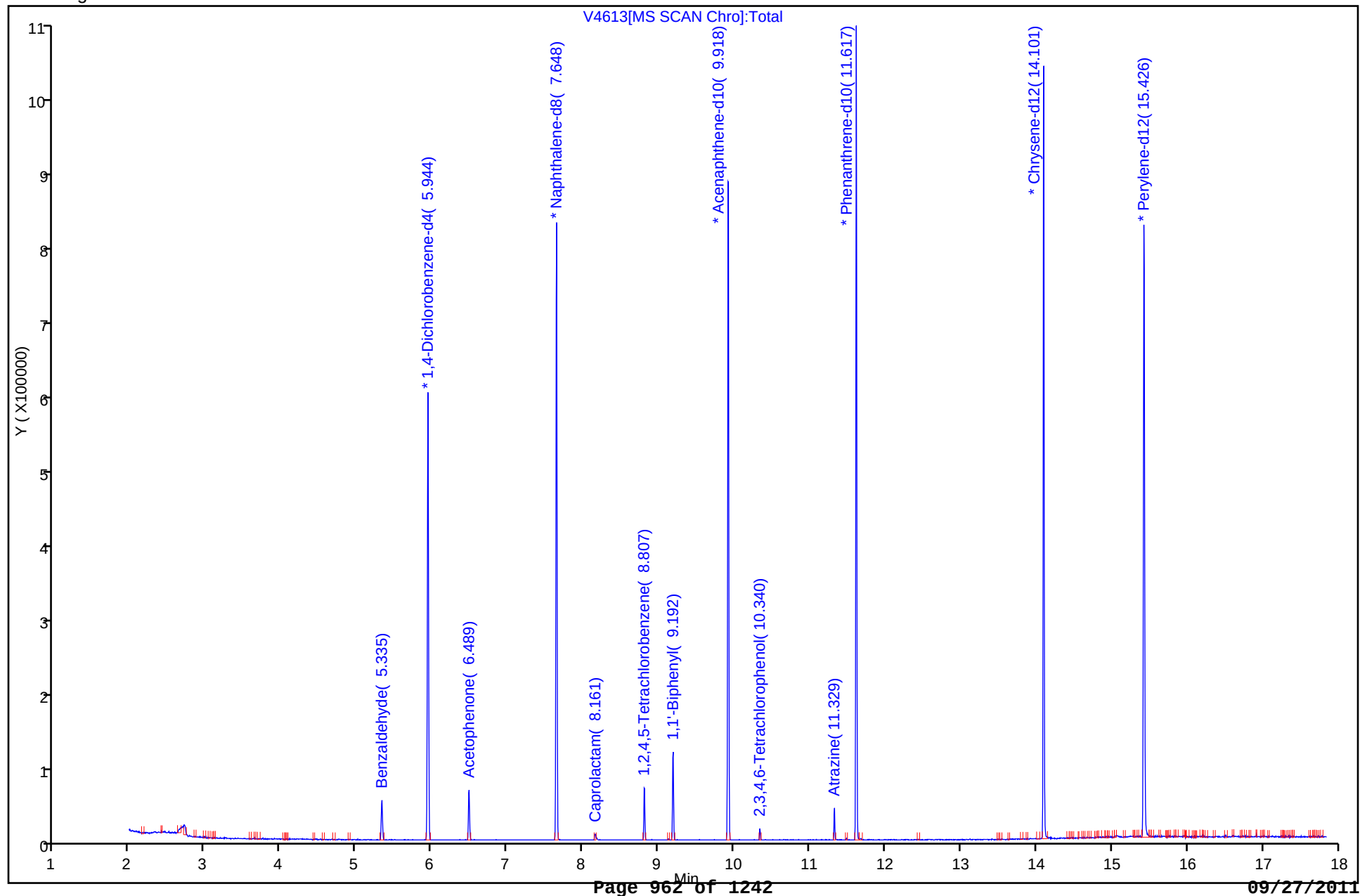
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 30376

SDG No.: _____

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2011 08:42 Calibration End Date: 09/08/2011 10:41 Calibration ID: 3842

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-30376/31	V4818.D
Level 2	IC 480-30376/30	V4817.D
Level 3	ICIS 480-30376/29	V4816.D
Level 4	IC 480-30376/28	V4815.D
Level 5	IC 480-30376/3	V4814.D
Level 6	IC 480-30376/2	V4813.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodimethylamine	0.7455 0.7740	0.7604	0.7804	0.7950	0.7696	Ave		0.7708				2.2		15.0			
Pyridine	1.0449 1.0592	1.0607	1.0787	1.1063	1.0445	Ave		1.0657				2.2		15.0			
Phenol	1.7824 1.7363	1.7753	1.7983	1.8487	1.7507	Ave		1.7819				2.2		15.0			
Aniline	2.0333 2.0320	2.0323	2.0122	2.1332	2.0389	Ave		2.0470				2.1		15.0			
Bis (2-chloroethyl) ether	1.2818 1.2968	1.3302	1.3114	1.3742	1.2973	Ave		1.3153				2.5		15.0			
2-Chlorophenol	1.3808 1.3137	1.3331	1.3460	1.3971	1.3353	Ave		1.3510				2.3		15.0			
1,3-Dichlorobenzene	1.5595 1.5005	1.5372	1.5562	1.6208	1.5235	Ave		1.5496				2.7		15.0			
1,4-Dichlorobenzene	1.6257 1.5381	1.5505	1.6024	1.6529	1.5593	Ave		1.5882				2.9		15.0			
Benzyl alcohol	0.7920 0.8851	0.8434	0.8719	0.9186	0.8820	Ave		0.8655				5.0		15.0			
1,2-Dichlorobenzene	1.5401 1.4197	1.4790	1.4832	1.5314	1.4460	Ave		1.4832				3.2		15.0			
2-Methylphenol	1.1518 1.1753	1.1386	1.1849	1.2424	1.1722	Ave		1.1775				3.1		15.0			
bis (2-chloroisopropyl) ether	1.7831 1.6680	1.7189	1.7153	1.7660	1.6972	Ave		1.7247				2.5		15.0			
N-Nitrosodi-n-propylamine	0.9226 0.9944	0.9557	1.0006	1.0522	0.9993	Ave		0.9875			0.0500	4.5		15.0			
4-Methylphenol	1.1789 1.1949	1.2135	1.2172	1.2764	1.2180	Ave		1.2165				2.7		15.0			
Hexachloroethane	0.5618 0.5770	0.5676	0.5824	0.6085	0.5823	Ave		0.5800				2.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 30376

SDG No.: _____

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2011 08:42 Calibration End Date: 09/08/2011 10:41 Calibration ID: 3842

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Nitrobenzene	0.3829 0.4020	0.4002	0.4072	0.4078	0.3992	Ave		0.3999				2.3		15.0			
Isophorone	0.6022 0.6841	0.6659	0.7014	0.6987	0.6840	Ave		0.6727				5.5		15.0			
2-Nitrophenol	0.1517 0.1928	0.1835	0.1894	0.1959	0.1909	Ave		0.1840				8.9		15.0			
2,4-Dimethylphenol	0.3271 0.3658	0.3578	0.3677	0.3761	0.3671	Ave		0.3603				4.8		15.0			
Tetraethyl lead	0.1376 0.1302	0.1398	0.1332	0.1385	0.1333	Ave		0.1354				2.8		15.0			
Bis(2-chloroethoxy)methane	0.3893 0.3752	0.3997	0.3857	0.3841	0.3762	Ave		0.3850				2.3		15.0			
Benzoic acid	0.2249 0.2726	0.2284	0.2420	0.2613	0.2647	Ave		0.2490				8.0		15.0			
2,4-Dichlorophenol	0.2766 0.2793	0.2775	0.2865	0.2834	0.2821	Ave		0.2809				1.3		15.0			
1,2,4-Trichlorobenzene	0.3054 0.3074	0.3139	0.3201	0.3232	0.3078	Ave		0.3130				2.4		15.0			
Naphthalene	1.0198 0.9411	0.9795	1.0026	1.0011	0.9586	Ave		0.9838				3.0		15.0			
4-Chloroaniline	0.3942 0.4031	0.4026	0.4114	0.4200	0.4057	Ave		0.4062				2.2		15.0			
Hexachlorobutadiene	0.1735 0.1775	0.1782	0.1776	0.1804	0.1766	Ave		0.1773				1.3		15.0			
4-Chloro-3-methylphenol	0.2861 0.3133	0.2977	0.3080	0.3195	0.3115	Ave		0.3061				4.0		15.0			
2-Methylnaphthalene	0.6738 0.6611	0.6853	0.6820	0.6884	0.6694	Ave		0.6767				1.5		15.0			
Hexachlorocyclopentadiene	0.3142 0.3642	0.3388	0.3579	0.3742	0.3718	Ave		0.3535			0.0500	6.5		15.0			
2,4,6-Trichlorophenol	0.2941 0.3492	0.3336	0.3482	0.3670	0.3534	Ave		0.3409				7.4		15.0			
2,4,5-Trichlorophenol	0.3332 0.3756	0.3542	0.3838	0.3935	0.3777	Ave		0.3697				6.0		15.0			
2-Chloronaphthalene	1.1078 1.0568	1.0914	1.1069	1.1232	1.0882	Ave		1.0957				2.1		15.0			
2-Nitroaniline	0.2705 0.3677	0.3417	0.3651	0.3776	0.3723	Ave		0.3492				12.0		15.0			
Dimethyl phthalate	1.2209 1.2234	1.2843	1.2936	1.3308	1.2806	Ave		1.2723				3.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 30376

SDG No.: _____

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2011 08:42 Calibration End Date: 09/08/2011 10:41 Calibration ID: 3842

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2,6-Dinitrotoluene	0.2524 0.2968	0.2753	0.2975	0.3164	0.3056	Ave		0.2906				8.0		15.0			
Acenaphthylene	1.6769 1.6572	1.7771	1.7715	1.7763	1.7088	Ave		1.7280				3.1		15.0			
3-Nitroaniline	0.2457 0.3207	0.2964	0.3280	0.3451	0.3304	Ave		0.3111				11.0		15.0			
Acenaphthene	1.1042 1.0280	1.0836	1.1067	1.1061	1.0715	Ave		1.0833				2.8		15.0			
2,4-Dinitrophenol	0.0892 0.1846	0.1171	0.1649	0.1854	0.1875	Lin1	-1.212	0.1946			0.0500				0.9990		0.9900
4-Nitrophenol	0.1445 0.2137	0.1873	0.2033	0.2200	0.2182	Ave		0.1978			0.0500	15.0		15.0			
2,4-Dinitrotoluene	0.3190 0.4004	0.3918	0.4118	0.4329	0.4170	Ave		0.3955				10.0		15.0			
Dibenzofuran	1.6480 1.4686	1.6059	1.5984	1.6136	1.5179	Ave		1.5754				4.3		15.0			
Diethyl phthalate	1.2717 1.2288	1.3030	1.3260	1.3503	1.2838	Ave		1.2939				3.3		15.0			
Fluorene	1.3211 1.2223	1.2966	1.3061	1.3286	1.2707	Ave		1.2909				3.0		15.0			
4-Chlorophenyl phenyl ether	0.6604 0.5714	0.6159	0.6014	0.6147	0.5987	Ave		0.6104				4.8		15.0			
4-Nitroaniline	0.2556 0.3220	0.3104	0.3309	0.3404	0.3335	Ave		0.3155				9.9		15.0			
4,6-Dinitro-2-methylphenol	0.1008 0.1461	0.1244	0.1347	0.1499	0.1485	Ave		0.1341				14.0		15.0			
N-Nitrosodiphenylamine	0.5380 0.5191	0.5392	0.5399	0.5479	0.5271	Ave		0.5352				1.9		15.0			
1,2-Diphenylhydrazine	1.2940 1.2826	1.3299	1.3495	1.3781	1.3313	Ave		1.3276				2.7		15.0			
4-Bromophenyl phenyl ether	0.1907 0.1955	0.1932	0.1981	0.1996	0.1929	Ave		0.1950				1.7		15.0			
Hexachlorobenzene	0.1847 0.1975	0.1948	0.1990	0.2033	0.1974	Ave		0.1961				3.2		15.0			
Pentachlorophenol	0.0860 0.1287	0.0993	0.1246	0.1277	0.1282	Lin1	-0.513	0.1326							1.0000		0.9900
Phenanthrene	1.0971 0.9913	1.1024	1.1001	1.0965	1.0358	Ave		1.0705				4.3		15.0			
Anthracene	1.0735 1.0070	1.1087	1.1136	1.1253	1.0539	Ave		1.0803				4.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 30376

SDG No.: _____

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2011 08:42 Calibration End Date: 09/08/2011 10:41 Calibration ID: 3842

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbazole	0.9948 0.9561	1.0388	1.0228	1.0379	0.9825	Ave		1.0055				3.3		15.0			
Di-n-butyl phthalate	1.0790 1.1464	1.2541	1.2649	1.2909	1.2094	Ave		1.2075				6.7		15.0			
Fluoranthene	1.1185 1.0902	1.1833	1.1697	1.2124	1.1397	Ave		1.1523				3.9		15.0			
Benzidine	0.5431 0.6635	0.6835	0.6679	0.7386	0.7090	Ave		0.6676				10.0		15.0			
Pyrene	1.2368 1.1724	1.2973	1.3134	1.3078	1.2426	Ave		1.2617				4.3		15.0			
Butyl benzyl phthalate	0.5045 0.6084	0.6236	0.6309	0.6561	0.6379	Ave		0.6102				8.9		15.0			
3,3'-Dichlorobenzidine	0.3385 0.4344	0.4212	0.4406	0.4586	0.4487	Ave		0.4237				10.0		15.0			
Bis(2-ethylhexyl) phthalate	0.7152 0.8271	0.8709	0.8835	0.9110	0.8671	Ave		0.8458				8.2		15.0			
Benzo(a)anthracene	1.1962 1.0828	1.2120	1.1772	1.1894	1.1403	Ave		1.1663				4.1		15.0			
Chrysene	1.1726 1.0415	1.1611	1.1484	1.1458	1.1178	Ave		1.1312				4.2		15.0			
Di-n-octyl phthalate	0.9756 1.3177	1.2966	1.4130	1.4503	1.3995	Ave		1.3088				13.0		15.0			
Benzo(b)fluoranthene	1.0747 1.1538	1.1067	1.1875	1.2900	1.1609	Ave		1.1623				6.4		15.0			
Benzo(k)fluoranthene	1.2161 1.1476	1.3144	1.2182	1.1994	1.2150	Ave		1.2185				4.4		15.0			
Benzo(a)pyrene	0.8778 0.9811	0.9625	0.9917	1.0367	0.9994	Ave		0.9749				5.5		15.0			
Indeno(1,2,3-cd)pyrene	1.1284 1.2526	1.1503	1.1339	1.2223	1.2160	Ave		1.1839				4.5		15.0			
Dibenz(a,h)anthracene	0.9302 1.0373	0.9739	0.9673	1.0327	1.0086	Ave		0.9917				4.2		15.0			
Benzo(g,h,i)perylene	0.9841 0.9467	0.9914	0.8591	0.9443	0.9317	Ave		0.9429				5.0		15.0			
2-Fluorophenol	1.1709 1.2636	1.1999	1.2757	1.3337	1.2756	Ave		1.2532				4.7		15.0			
Phenol-d5	1.5028 1.5909	1.5505	1.5880	1.6904	1.5932	Ave		1.5860				3.9		15.0			
Nitrobenzene-d5	0.3701 0.4081	0.3988	0.4070	0.4128	0.4045	Ave		0.4002				3.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 30376

SDG No.: _____

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2011 08:42 Calibration End Date: 09/08/2011 10:41 Calibration ID: 3842

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Fluorobiphenyl	1.3136 1.2201	1.2846	1.2908	1.3072	1.2599	Ave		1.2794				2.7		15.0			
2,4,6-Tribromophenol	0.0599 0.0903	0.0821	0.0862	0.0908	0.0905	Ave		0.0833				14.0		15.0			
p-Terphenyl-d14	0.8082 0.8291	0.8827	0.8804	0.9071	0.8745	Ave		0.8637				4.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 30376

SDG No.: _____

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2011 08:42 Calibration End Date: 09/08/2011 10:41 Calibration ID: 3842

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-30376/31	V4818.D
Level 2	IC 480-30376/30	V4817.D
Level 3	ICIS 480-30376/29	V4816.D
Level 4	IC 480-30376/28	V4815.D
Level 5	IC 480-30376/3	V4814.D
Level 6	IC 480-30376/2	V4813.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
N-Nitrosodimethylamine	DCB	Ave	9295 321672	39260	101100	155809	232118	5.00 160	20.0	50.0	80.0	120
Pyridine	DCB	Ave	13028 440193	54760	139745	216834	315032	5.00 160	20.0	50.0	80.0	120
Phenol	DCB	Ave	22223 721594	91653	232970	362323	528006	5.00 160	20.0	50.0	80.0	120
Aniline	DCB	Ave	25351 844512	104922	260685	418084	614930	5.00 160	20.0	50.0	80.0	120
Bis(2-chloroethyl)ether	DCB	Ave	15981 538959	68674	169886	269342	391275	5.00 160	20.0	50.0	80.0	120
2-Chlorophenol	DCB	Ave	17215 545991	68825	174378	273826	402715	5.00 160	20.0	50.0	80.0	120
1,3-Dichlorobenzene	DCB	Ave	19443 623602	79363	201602	317659	459474	5.00 160	20.0	50.0	80.0	120
1,4-Dichlorobenzene	DCB	Ave	20269 639237	80047	207592	323962	470293	5.00 160	20.0	50.0	80.0	120
Benzyl alcohol	DCB	Ave	9874 367858	43545	112960	180042	266011	5.00 160	20.0	50.0	80.0	120
1,2-Dichlorobenzene	DCB	Ave	19201 590018	76355	192146	300149	436097	5.00 160	20.0	50.0	80.0	120
2-Methylphenol	DCB	Ave	14360 488452	58784	153500	243506	353530	5.00 160	20.0	50.0	80.0	120
bis (2-chloroisopropyl) ether	DCB	Ave	22231 693232	88740	222213	346116	511867	5.00 160	20.0	50.0	80.0	120
N-Nitrosodi-n-propylamine	DCB	Ave	11503 413274	49341	129628	206227	301399	5.00 160	20.0	50.0	80.0	120
4-Methylphenol	DCB	Ave	14698 496622	62648	157686	250172	367336	5.00 160	20.0	50.0	80.0	120
Hexachloroethane	DCB	Ave	7005 239820	29305	75456	119264	175606	5.00 160	20.0	50.0	80.0	120
Nitrobenzene	NPT	Ave	18405 630774	77940	199270	309553	458677	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 30376

SDG No.: _____

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2011 08:42 Calibration End Date: 09/08/2011 10:41 Calibration ID: 3842

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Isophorone	NPT	Ave	28943 1073612	129676	343231	530402	785999	5.00 160	20.0	50.0	80.0	120
2-Nitrophenol	NPT	Ave	7289 302535	35746	92673	148734	219365	5.00 160	20.0	50.0	80.0	120
2,4-Dimethylphenol	NPT	Ave	15723 574023	69677	179942	285483	421849	5.00 160	20.0	50.0	80.0	120
Tetraethyl lead	NPT	Ave	6615 204369	27233	65178	105132	153150	5.00 160	20.0	50.0	80.0	120
Bis(2-chloroethoxy)methane	NPT	Ave	18709 588765	77837	188762	291581	432307	5.00 160	20.0	50.0	80.0	120
Benzoic acid	NPT	Ave	216221 1283519	266907	355226	594995	912524	100 480	120	150	240	360
2,4-Dichlorophenol	NPT	Ave	13293 438234	54051	140204	215154	324114	5.00 160	20.0	50.0	80.0	120
1,2,4-Trichlorobenzene	NPT	Ave	14680 482455	61138	156642	245385	353683	5.00 160	20.0	50.0	80.0	120
Naphthalene	NPT	Ave	49017 1476794	190756	490652	759947	1101508	5.00 160	20.0	50.0	80.0	120
4-Chloroaniline	NPT	Ave	18947 632563	78397	201325	318853	466159	5.00 160	20.0	50.0	80.0	120
Hexachlorobutadiene	NPT	Ave	8340 278539	34707	86909	136932	202913	5.00 160	20.0	50.0	80.0	120
4-Chloro-3-methylphenol	NPT	Ave	13752 491722	57986	150746	242554	357984	5.00 160	20.0	50.0	80.0	120
2-Methylnaphthalene	NPT	Ave	32385 1037368	133469	333732	522603	769234	5.00 160	20.0	50.0	80.0	120
Hexachlorocyclopentadiene	ANT	Ave	8679 337513	38467	102681	165247	248927	5.00 160	20.0	50.0	80.0	120
2,4,6-Trichlorophenol	ANT	Ave	8124 323622	37884	99912	162065	236590	5.00 160	20.0	50.0	80.0	120
2,4,5-Trichlorophenol	ANT	Ave	9205 348017	40222	110108	173778	252890	5.00 160	20.0	50.0	80.0	120
2-Chloronaphthalene	ANT	Ave	30601 979266	123923	317572	496060	728522	5.00 160	20.0	50.0	80.0	120
2-Nitroaniline	ANT	Ave	7473 340721	38804	104747	166752	249272	5.00 160	20.0	50.0	80.0	120
Dimethyl phthalate	ANT	Ave	33724 1133728	145829	371124	587745	857335	5.00 160	20.0	50.0	80.0	120
2,6-Dinitrotoluene	ANT	Ave	6972 275015	31255	85347	139731	204576	5.00 160	20.0	50.0	80.0	120
Acenaphthylene	ANT	Ave	46319 1535630	201793	508233	784462	1144040	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 30376

SDG No.: _____

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2011 08:42 Calibration End Date: 09/08/2011 10:41 Calibration ID: 3842

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
3-Nitroaniline	ANT	Ave	6788 297179	33657	94109	152406	221198	5.00 160	20.0	50.0	80.0	120
Acenaphthene	ANT	Ave	30500 952650	123039	317515	488503	717318	5.00 160	20.0	50.0	80.0	120
2,4-Dinitrophenol	ANT	Lin1	4927 171058	13301	47323	81859	125554	10.0 160	20.0	50.0	80.0	120
4-Nitrophenol	ANT	Ave	7985 198062	21266	58331	97153	146066	10.0 160	20.0	50.0	80.0	120
2,4-Dinitrotoluene	ANT	Ave	8811 371072	44486	118152	191189	279205	5.00 160	20.0	50.0	80.0	120
Dibenzofuran	ANT	Ave	45523 1360948	182348	458585	712605	1016197	5.00 160	20.0	50.0	80.0	120
Diethyl phthalate	ANT	Ave	35129 1138728	147955	380416	596348	859463	5.00 160	20.0	50.0	80.0	120
Fluorene	ANT	Ave	36491 1132646	147223	374715	586780	850688	5.00 160	20.0	50.0	80.0	120
4-Chlorophenyl phenyl ether	ANT	Ave	18241 529473	69932	172542	271487	400835	5.00 160	20.0	50.0	80.0	120
4-Nitroaniline	ANT	Ave	7060 298399	35250	94942	150335	223266	5.00 160	20.0	50.0	80.0	120
4,6-Dinitro-2-methylphenol	PHN	Ave	9400 230310	23997	65730	115253	172917	10.0 160	20.0	50.0	80.0	120
N-Nitrosodiphenylamine	PHN	Ave	25087 818364	103978	263501	421132	613804	5.00 160	20.0	50.0	80.0	120
1,2-Diphenylhydrazine	ANT	Ave	35743 1188499	151005	387175	608613	891294	5.00 160	20.0	50.0	80.0	120
4-Bromophenyl phenyl ether	PHN	Ave	8892 308156	37255	96684	153425	224621	5.00 160	20.0	50.0	80.0	120
Hexachlorobenzene	PHN	Ave	8612 311330	37570	97120	156239	229855	5.00 160	20.0	50.0	80.0	120
Pentachlorophenol	PHN	Lin1	8018 202939	19151	60818	98169	149268	10.0 160	20.0	50.0	80.0	120
Phenanthrene	PHN	Ave	51161 1562746	212568	536895	842769	1206297	5.00 160	20.0	50.0	80.0	120
Anthracene	PHN	Ave	50058 1587469	213777	543482	864949	1227396	5.00 160	20.0	50.0	80.0	120
Carbazole	PHN	Ave	46387 1507230	200312	499179	797776	1144155	5.00 160	20.0	50.0	80.0	120
Di-n-butyl phthalate	PHN	Ave	50316 1807257	241826	617311	992189	1408489	5.00 160	20.0	50.0	80.0	120
Fluoranthene	PHN	Ave	52159 1718678	228171	570840	931883	1327270	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 30376

SDG No.: _____

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2011 08:42 Calibration End Date: 09/08/2011 10:41 Calibration ID: 3842

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Benzidine	CRY	Ave	24719 972181	123520	296697	527199	752163	5.00 160	20.0	50.0	80.0	120
Pyrene	CRY	Ave	56297 1717865	234442	583415	933494	1318318	5.00 160	20.0	50.0	80.0	120
Butyl benzyl phthalate	CRY	Ave	22966 891442	112693	280258	468339	676736	5.00 160	20.0	50.0	80.0	120
3,3'-Dichlorobenzidine	CRY	Ave	15406 636528	76117	195703	327333	476052	5.00 160	20.0	50.0	80.0	120
Bis(2-ethylhexyl) phthalate	CRY	Ave	32556 1211995	157379	392478	650289	919896	5.00 160	20.0	50.0	80.0	120
Benzo(a)anthracene	CRY	Ave	54448 1586612	219021	522935	848970	1209822	5.00 160	20.0	50.0	80.0	120
Chrysene	CRY	Ave	53373 1526040	209825	510155	817902	1185864	5.00 160	20.0	50.0	80.0	120
Di-n-octyl phthalate	CRY	Ave	44405 1930747	234314	627682	1035233	1484749	5.00 160	20.0	50.0	80.0	120
Benzo(b)fluoranthene	PRY	Ave	47239 1646077	196634	523451	896635	1220132	5.00 160	20.0	50.0	80.0	120
Benzo(k)fluoranthene	PRY	Ave	53455 1637324	233536	536984	833665	1277030	5.00 160	20.0	50.0	80.0	120
Benzo(a)pyrene	PRY	Ave	38585 1399773	171017	437171	720611	1050380	5.00 160	20.0	50.0	80.0	120
Indeno(1,2,3-cd)pyrene	PRY	Ave	49601 1787029	204384	499851	849588	1278028	5.00 160	20.0	50.0	80.0	120
Dibenz(a,h)anthracene	PRY	Ave	40887 1479843	173039	426407	717811	1060027	5.00 160	20.0	50.0	80.0	120
Benzo(g,h,i)perylene	PRY	Ave	43258 1350680	176150	378698	656377	979199	5.00 160	20.0	50.0	80.0	120
2-Fluorophenol	DCB	Ave	14598 525152	61947	165272	261391	384715	5.00 160	20.0	50.0	80.0	120
Phenol-d5	DCB	Ave	18736 661169	80049	205724	331314	480495	5.00 160	20.0	50.0	80.0	120
Nitrobenzene-d5	NPT	Ave	17787 640407	77676	199175	313356	464775	5.00 160	20.0	50.0	80.0	120
2-Fluorobiphenyl	ANT	Ave	36285 1130599	145871	370317	577306	843466	5.00 160	20.0	50.0	80.0	120
2,4,6-Tribromophenol	PHN	Ave	2794 142331	15827	42055	69790	105429	5.00 160	20.0	50.0	80.0	120
p-Terphenyl-d14	CRY	Ave	36789 1214809	159512	391082	647514	927769	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 30376
SDG No.: _____
Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 09/08/2011 08:42 Calibration End Date: 09/08/2011 10:41 Calibration ID: 3842

Curve Type Legend:

Ave = Average ISTD Lin1 = Linear 1/conc ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4813.D
 Lims ID: IC - 8270 160 pt Client ID:
 Inject. Date: 08-Sep-2011 08:42:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: CCVIS
 Misc. Info.: CCVIS - 8270
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 30376 Lims Sample ID: 2
 Sublist: chrom-V-8270*sub13
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V-8270.m
 Last Update: 09-Sep-2011 07:44:35 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 09-Sep-2011 07:35:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.896	5.890	0.006	97	103901	40.0	
* 2 Naphthalene-d8	136	7.605	7.600	0.005	99	392318	40.0	
* 3 Acenaphthene-d10	164	9.881	9.876	0.005	64	231667	40.0	
* 4 Phenanthrene-d10	188	11.580	11.574	0.006	97	394120	40.0	
* 5 Chrysene-d12	240	14.064	14.059	0.005	89	366321	40.0	
* 6 Perylene-d12	264	15.373	15.367	0.006	98	356669	40.0	
\$ 9 2-Fluorophenol	112	4.063	4.058	0.005	93	525152	161.3	
\$ 10 Phenol-d5	99	5.415	5.399	0.016	94	661169	160.5	
\$ 11 Nitrobenzene-d5	82	6.649	6.638	0.011	89	640407	163.2	
\$ 12 2-Fluorobiphenyl	172	9.026	9.021	0.005	100	1130599	152.6	
\$ 13 2,4,6-Tribromophenol	330	10.832	10.821	0.011	93	142331	173.4	
\$ 14 p-Terphenyl-d14	244	13.124	13.118	0.006	99	1214809	153.6	
81 N-Nitrosodimethylamine	42	2.236	2.236	0.0	85	321672	160.7	
82 Pyridine	52	2.300	2.295	0.005	90	440193	159.0	
89 Phenol	94	5.436	5.420	0.016	79	721594	155.9	
90 Aniline	93	5.436	5.431	0.005	69	844512	158.8	
91 Bis(2-chloroethyl)ether	93	5.532	5.527	0.005	97	538959	157.8	
93 2-Chlorophenol	128	5.612	5.602	0.010	92	545991	155.6	
94 1,3-Dichlorobenzene	146	5.821	5.816	0.005	96	623602	154.9	
95 1,4-Dichlorobenzene	146	5.917	5.912	0.005	92	639237	155.0	
96 Benzyl alcohol	108	6.093	6.083	0.010	88	367858	163.6	
97 1,2-Dichlorobenzene	146	6.131	6.125	0.006	78	590018	153.1	
98 2-Methylphenol	108	6.264	6.259	0.005	97	488452	159.7	
99 2,2'-oxybis[1-chloropropane]	45	6.286	6.280	0.006	90	693232	154.7	
101 N-Nitrosodi-n-propylamine	70	6.467	6.457	0.010	88	413274	161.1	
102 4-Methylphenol	108	6.483	6.467	0.016	93	496622	157.2	
106 Hexachloroethane	117	6.590	6.585	0.005	96	239820	159.2	
107 Nitrobenzene	77	6.675	6.665	0.010	89	630774	160.8	
110 Isophorone	82	7.001	6.991	0.010	97	1073612	162.7	
111 2-Nitrophenol	139	7.103	7.098	0.005	98	302535	167.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.194	7.183	0.011	98	574023	162.5	
113 Tetraethyl lead	237	7.252	7.253	-0.001	92	204369	153.8	
115 Bis(2-chloroethoxy)methane	93	7.306	7.295	0.011	100	588765	155.9	
119 Benzoic acid	105	7.488	7.386	0.102	88	1283519	525.6	
117 2,4-Dichlorophenol	162	7.434	7.429	0.005	96	438234	159.1	
120 1,2,4-Trichlorobenzene	180	7.541	7.536	0.005	92	482455	157.2	
121 Naphthalene	128	7.637	7.627	0.010	98	1476794	153.1	
123 4-Chloroaniline	127	7.717	7.707	0.010	85	632563	158.8	
126 Hexachlorobutadiene	225	7.829	7.824	0.005	96	278539	160.2	
131 4-Chloro-3-methylphenol	107	8.374	8.364	0.010	91	491722	163.8	
133 2-Methylnaphthalene	142	8.545	8.540	0.005	88	1037368	156.3	
136 Hexachlorocyclopentadiene	237	8.770	8.764	0.006	97	337513	164.8	
139 2,4,6-Trichlorophenol	196	8.919	8.919	0.0	93	323622	163.9	
140 2,4,5-Trichlorophenol	196	8.967	8.962	0.005	93	348017	162.5	
143 2-Chloronaphthalene	162	9.170	9.165	0.005	98	979266	154.3	
145 2-Nitroaniline	65	9.309	9.299	0.010	78	340721	168.5	
147 Dimethyl phthalate	163	9.560	9.550	0.010	98	1133728	153.9	
148 2,6-Dinitrotoluene	165	9.624	9.614	0.010	90	275015	163.4	
149 Acenaphthylene	152	9.699	9.694	0.005	91	1535630	153.4	
150 3-Nitroaniline	138	9.838	9.828	0.010	92	297179	165.0	
151 Acenaphthene	153	9.924	9.918	0.006	94	952650	151.8	
152 2,4-Dinitrophenol	184	9.966	9.956	0.010	59	171058	158.0	
153 4-Nitrophenol	109	10.073	10.063	0.010	95	198062	172.9	
154 2,4-Dinitrotoluene	165	10.132	10.121	0.011	78	371072	162.0	
155 Dibenzofuran	168	10.137	10.132	0.005	86	1360948	149.2	
160 Diethyl phthalate	149	10.436	10.426	0.010	97	1138728	152.0	
161 Fluorene	166	10.549	10.543	0.006	82	1132646	151.5	
162 4-Chlorophenyl phenyl ether	204	10.554	10.549	0.005	78	529473	149.8	
164 4-Nitroaniline	138	10.586	10.570	0.016	31	298399	163.3	
166 4,6-Dinitro-2-methylphenol	198	10.623	10.613	0.010	54	230310	174.3	
167 N-Nitrosodiphenylamine	169	10.693	10.688	0.005	60	818364	155.2	
168 1,2-Diphenylhydrazine	77	10.736	10.730	0.006	98	1188499	154.6	
176 4-Bromophenyl phenyl ether	248	11.104	11.099	0.005	67	308156	160.4	
177 Hexachlorobenzene	284	11.190	11.184	0.006	93	311330	161.1	
181 Pentachlorophenol	266	11.398	11.393	0.005	87	202939	159.2	
185 Phenanthrene	178	11.606	11.601	0.005	98	1562746	148.2	
188 Anthracene	178	11.660	11.655	0.005	98	1587469	149.1	
189 Carbazole	167	11.831	11.820	0.011	83	1507230	152.1	
192 Di-n-butyl phthalate	149	12.183	12.178	0.005	100	1807257	151.9	
197 Fluoranthene	202	12.782	12.771	0.011	97	1718678	151.4	
198 Benzidine	184	12.894	12.889	0.005	98	972181	159.0	
199 Pyrene	202	12.990	12.985	0.005	96	1717865	148.7	
205 Butyl benzyl phthalate	149	13.551	13.546	0.005	98	891442	159.5	
208 3,3'-Dichlorobenzidine	252	14.021	14.010	0.011	71	636528	164.1	
210 Bis(2-ethylhexyl) phthalate	149	14.037	14.032	0.005	97	1211995	156.5	
209 Benzo[a]anthracene	228	14.053	14.048	0.005	91	1586612	148.5	
211 Chrysene	228	14.091	14.080	0.010	92	1526040	147.3	
212 Di-n-octyl phthalate	149	14.582	14.571	0.011	99	1930747	161.1	
213 Benzo[b]fluoranthene	252	15.009	14.999	0.010	93	1646077	158.8	
214 Benzo[k]fluoranthene	252	15.036	15.020	0.016	97	1637324	150.7	
217 Benzo[a]pyrene	252	15.325	15.314	0.011	74	1399773	161.0	
219 Indeno[1,2,3-cd]pyrene	276	16.559	16.532	0.027	85	1787029	169.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
220 Dibenz(a,h)anthracene	278	16.564	16.532	0.032	57	1479843	167.4	
221 Benzo[g,h,i]perylene	276	16.895	16.863	0.032	96	1350680	160.7	
S 222 Total Cresols	1				0		316.9	
S 77 3 & 4 Methylphenol	108				0		157.2	
S 78 3-Methylphenol	1				0		157.2	

Report Date: 09-Sep-2011 07:44:35

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4813.D

Injection Date: 08-Sep-2011 08:42:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 30376

Lims Sample ID: 2

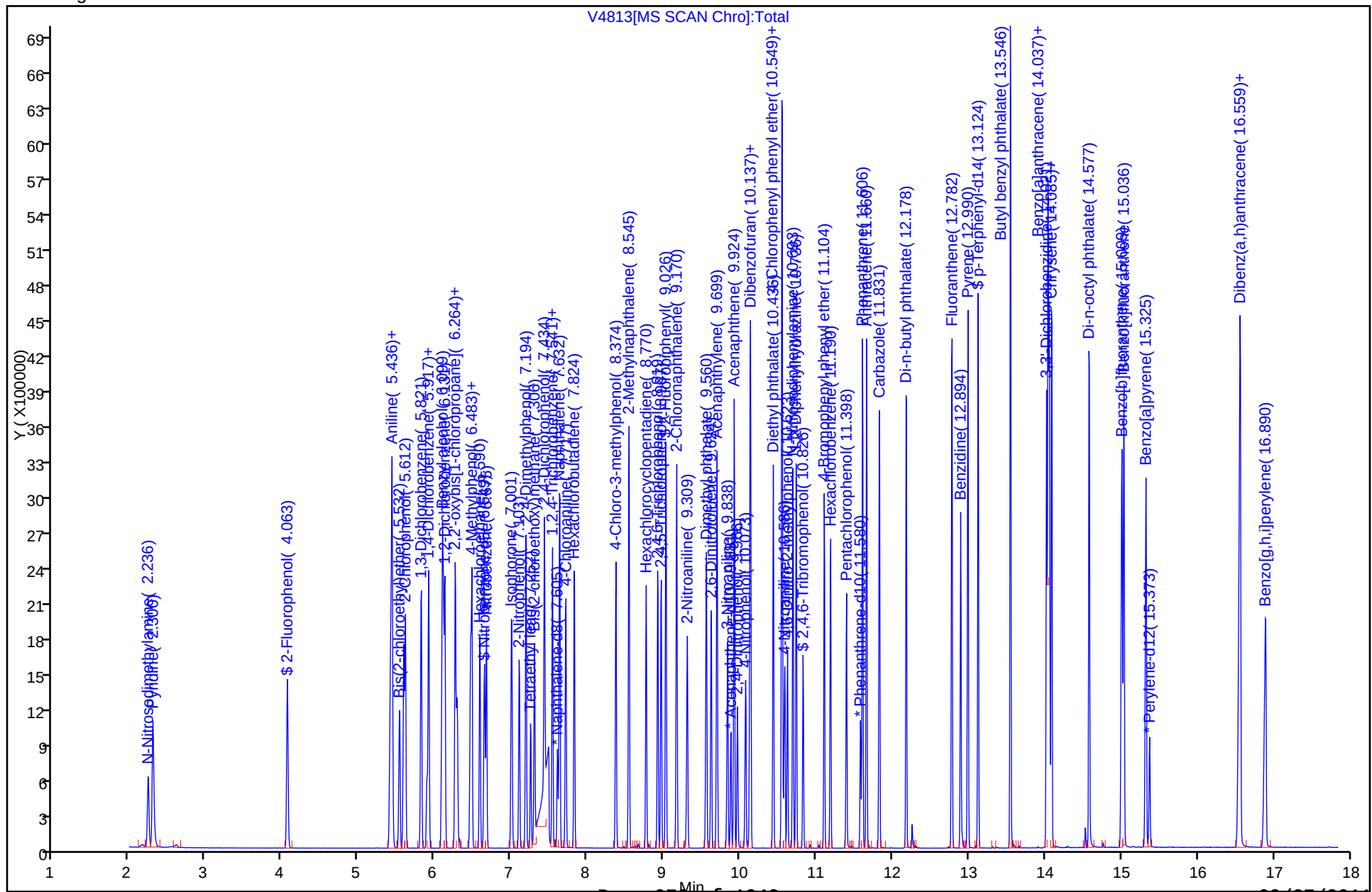
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4814.D
 Lims ID: IC - 8270 120 pt Client ID:
 Inject. Date: 08-Sep-2011 09:06:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: CCV
 Misc. Info.: CCV - TCLADDS
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 30376 Lims Sample ID: 3
 Sublist: chrom-V-8270*sub13
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V-8270.m
 Last Update: 09-Sep-2011 07:44:35 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 09-Sep-2011 07:35:43

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.890	5.890	0.0	96	100532	40.0	
* 2 Naphthalene-d8	136	7.605	7.600	0.005	99	383033	40.0	
* 3 Acenaphthene-d10	164	9.875	9.876	-0.001	88	223160	40.0	
* 4 Phenanthrene-d10	188	11.580	11.574	0.006	97	388197	40.0	
* 5 Chrysene-d12	240	14.058	14.059	-0.001	90	353645	40.0	
* 6 Perylene-d12	264	15.367	15.367	0.0	98	350341	40.0	
\$ 9 2-Fluorophenol	112	4.058	4.058	0.0	92	384715	122.1	
\$ 10 Phenol-d5	99	5.409	5.399	0.010	94	480495	120.5	
\$ 11 Nitrobenzene-d5	82	6.643	6.638	0.005	90	464775	121.3	
\$ 12 2-Fluorobiphenyl	172	9.026	9.021	0.005	99	843466	118.2	
\$ 13 2,4,6-Tribromophenol	330	10.826	10.821	0.005	92	105429	130.4	
\$ 14 p-Terphenyl-d14	244	13.124	13.118	0.006	99	927769	121.5	
81 N-Nitrosodimethylamine	42	2.236	2.236	0.0	79	232118	119.8	
82 Pyridine	52	2.295	2.295	0.0	91	315032	117.6	
89 Phenol	94	5.425	5.420	0.005	85	528006	117.9	
90 Aniline	93	5.431	5.431	0.0	69	614930	119.5	
91 Bis(2-chloroethyl)ether	93	5.532	5.527	0.005	97	391275	118.4	
93 2-Chlorophenol	128	5.607	5.602	0.005	91	402715	118.6	
94 1,3-Dichlorobenzene	146	5.815	5.816	-0.001	96	459474	118.0	
95 1,4-Dichlorobenzene	146	5.912	5.912	0.0	83	470293	117.8	
96 Benzyl alcohol	108	6.088	6.083	0.005	89	266011	122.3	
97 1,2-Dichlorobenzene	146	6.125	6.125	0.0	88	436097	117.0	
98 2-Methylphenol	108	6.259	6.259	0.0	97	353530	119.5	
99 2,2'-oxybis[1-chloropropane]	45	6.286	6.280	0.006	87	511867	118.1	
101 N-Nitrosodi-n-propylamine	70	6.462	6.457	0.005	88	301399	121.4	
102 4-Methylphenol	108	6.478	6.467	0.011	94	367336	120.1	
106 Hexachloroethane	117	6.585	6.585	0.0	96	175606	120.5	
107 Nitrobenzene	77	6.670	6.665	0.005	89	458677	119.8	
110 Isophorone	82	6.996	6.991	0.005	97	785999	122.0	
111 2-Nitrophenol	139	7.103	7.098	0.005	98	219365	124.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.188	7.183	0.005	98	421849	122.3	
113 Tetraethyl lead	237	7.252	7.253	-0.001	92	153150	118.1	
115 Bis(2-chloroethoxy)methane	93	7.301	7.295	0.006	99	432307	117.3	
119 Benzoic acid	105	7.455	7.386	0.069	88	912524	382.7	
117 2,4-Dichlorophenol	162	7.429	7.429	0.0	96	324114	120.5	
120 1,2,4-Trichlorobenzene	180	7.536	7.536	0.0	93	353683	118.0	
121 Naphthalene	128	7.632	7.627	0.005	96	1101508	116.9	
123 4-Chloroaniline	127	7.712	7.707	0.005	85	466159	119.9	
126 Hexachlorobutadiene	225	7.824	7.824	0.0	97	202913	119.5	
131 4-Chloro-3-methylphenol	107	8.369	8.364	0.005	91	357984	122.2	
133 2-Methylnaphthalene	142	8.540	8.540	0.0	88	769234	118.7	
136 Hexachlorocyclopentadiene	237	8.770	8.764	0.006	97	248927	126.2	
139 2,4,6-Trichlorophenol	196	8.919	8.919	0.0	92	236590	124.4	
140 2,4,5-Trichlorophenol	196	8.962	8.962	0.0	92	252890	122.6	
143 2-Chloronaphthalene	162	9.165	9.165	0.0	98	728522	119.2	
145 2-Nitroaniline	65	9.304	9.299	0.005	79	249272	128.0	
147 Dimethyl phthalate	163	9.555	9.550	0.005	97	857335	120.8	
148 2,6-Dinitrotoluene	165	9.619	9.614	0.005	93	204576	126.2	
149 Acenaphthylene	152	9.694	9.694	0.0	92	1144040	118.7	
150 3-Nitroaniline	138	9.833	9.828	0.005	92	221198	127.5	
151 Acenaphthene	153	9.924	9.918	0.006	93	717318	118.7	
152 2,4-Dinitrophenol	184	9.961	9.956	0.005	75	125554	121.9	
153 4-Nitrophenol	109	10.068	10.063	0.005	95	146066	132.3	
154 2,4-Dinitrotoluene	165	10.127	10.121	0.006	87	279205	126.5	
155 Dibenzofuran	168	10.137	10.132	0.005	87	1016197	115.6	
160 Diethyl phthalate	149	10.431	10.426	0.005	97	859463	119.1	
161 Fluorene	166	10.543	10.543	0.0	83	850688	118.1	
162 4-Chlorophenyl phenyl ether	204	10.554	10.549	0.005	93	400835	117.7	
164 4-Nitroaniline	138	10.581	10.570	0.011	33	223266	126.9	
166 4,6-Dinitro-2-methylphenol	198	10.618	10.613	0.005	82	172917	132.9	
167 N-Nitrosodiphenylamine	169	10.693	10.688	0.005	58	613804	118.2	
168 1,2-Diphenylhydrazine	77	10.736	10.730	0.006	98	891294	120.3	
176 4-Bromophenyl phenyl ether	248	11.104	11.099	0.005	62	224621	118.7	
177 Hexachlorobenzene	284	11.184	11.184	0.0	92	229855	120.8	
181 Pentachlorophenol	266	11.393	11.393	0.0	86	149268	119.8	
185 Phenanthrene	178	11.606	11.601	0.005	97	1206297	116.1	
188 Anthracene	178	11.660	11.655	0.005	97	1227396	117.1	
189 Carbazole	167	11.825	11.820	0.005	83	1144155	117.3	
192 Di-n-butyl phthalate	149	12.178	12.178	0.0	100	1408489	120.2	
197 Fluoranthene	202	12.776	12.771	0.005	97	1327270	118.7	
198 Benzidine	184	12.894	12.889	0.005	98	752163	127.4	
199 Pyrene	202	12.985	12.985	0.0	97	1318318	118.2	
205 Butyl benzyl phthalate	149	13.546	13.546	0.0	98	676736	125.4	
208 3,3'-Dichlorobenzidine	252	14.016	14.010	0.006	71	476052	127.1	
210 Bis(2-ethylhexyl) phthalate	149	14.037	14.032	0.005	96	919896	123.0	
209 Benzo[a]anthracene	228	14.048	14.048	0.0	90	1209822	117.3	
211 Chrysene	228	14.085	14.080	0.005	93	1185864	118.6	
212 Di-n-octyl phthalate	149	14.577	14.571	0.006	100	1484749	128.3	
213 Benzo[b]fluoranthene	252	15.004	14.999	0.005	93	1220132	119.9	
214 Benzo[k]fluoranthene	252	15.031	15.020	0.011	97	1277030	119.7	
217 Benzo[a]pyrene	252	15.319	15.314	0.005	74	1050380	123.0	
219 Indeno[1,2,3-cd]pyrene	276	16.548	16.532	0.016	87	1278028	123.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
220 Dibenz(a,h)anthracene	278	16.548	16.532	0.016	63	1060027	122.0	
221 Benzo[g,h,i]perylene	276	16.885	16.863	0.021	94	979199	118.6	
S 222 Total Cresols	1				0		239.6	
S 77 3 & 4 Methylphenol	108				0		120.1	
S 78 3-Methylphenol	1				0		120.1	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4815.D
 Lims ID: IC - 8270 80 pt Client ID:
 Inject. Date: 08-Sep-2011 09:30:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: IC
 Misc. Info.: IC - 8270 80 PT
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 30376 Lims Sample ID: 28
 Sublist: chrom-V-8270*sub13
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V-8270.m
 Last Update: 09-Sep-2011 07:44:36 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 09-Sep-2011 07:36:13

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.890	5.890	0.0	96	97996	40.0	
* 2 Naphthalene-d8	136	7.600	7.600	0.0	100	379568	40.0	
* 3 Acenaphthene-d10	164	9.876	9.876	0.0	91	220819	40.0	
* 4 Phenanthrene-d10	188	11.574	11.574	0.0	97	384306	40.0	
* 5 Chrysene-d12	240	14.059	14.059	0.0	97	356901	40.0	
* 6 Perylene-d12	264	15.367	15.367	0.0	98	347537	40.0	
\$ 9 2-Fluorophenol	112	4.058	4.058	0.0	92	261391	85.1	
\$ 10 Phenol-d5	99	5.404	5.399	0.005	94	331314	85.3	
\$ 11 Nitrobenzene-d5	82	6.644	6.638	0.006	88	313356	82.5	
\$ 12 2-Fluorobiphenyl	172	9.026	9.021	0.005	99	577306	81.7	
\$ 13 2,4,6-Tribromophenol	330	10.827	10.821	0.006	91	69790	87.2	
\$ 14 p-Terphenyl-d14	244	13.118	13.118	0.0	99	647514	84.0	
81 N-Nitrosodimethylamine	42	2.231	2.236	-0.005	79	155809	82.5	
82 Pyridine	52	2.295	2.295	0.0	91	216834	83.0	
89 Phenol	94	5.426	5.420	0.006	80	362323	83.0	
90 Aniline	93	5.431	5.431	0.0	83	418084	83.4	
91 Bis(2-chloroethyl)ether	93	5.527	5.527	0.0	98	269342	83.6	
93 2-Chlorophenol	128	5.602	5.602	0.0	91	273826	82.7	
94 1,3-Dichlorobenzene	146	5.816	5.816	0.0	96	317659	83.7	
95 1,4-Dichlorobenzene	146	5.912	5.912	0.0	83	323962	83.3	
96 Benzyl alcohol	108	6.088	6.083	0.005	89	180042	84.9	
97 1,2-Dichlorobenzene	146	6.125	6.125	0.0	88	300149	82.6	
98 2-Methylphenol	108	6.259	6.259	0.0	97	243506	84.4	
99 2,2'-oxybis[1-chloropropane]	45	6.286	6.280	0.006	61	346116	81.9	
101 N-Nitrosodi-n-propylamine	70	6.457	6.457	0.0	88	206227	85.2	
102 4-Methylphenol	108	6.473	6.467	0.006	93	250172	83.9	
106 Hexachloroethane	117	6.585	6.585	0.0	96	119264	83.9	
107 Nitrobenzene	77	6.665	6.665	0.0	90	309553	81.6	
110 Isophorone	82	6.996	6.991	0.005	97	530402	83.1	
111 2-Nitrophenol	139	7.103	7.098	0.005	98	148734	85.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.189	7.183	0.005	98	285483	83.5	
113 Tetraethyl lead	237	7.253	7.253	0.0	92	105132	81.8	
115 Bis(2-chloroethoxy)methane	93	7.301	7.295	0.006	99	291581	79.8	
119 Benzoic acid	105	7.418	7.386	0.032	88	594995	251.8	
117 2,4-Dichlorophenol	162	7.429	7.429	0.0	90	215154	80.7	
120 1,2,4-Trichlorobenzene	180	7.536	7.536	0.0	90	245385	82.6	
121 Naphthalene	128	7.632	7.627	0.005	96	759947	81.4	
123 4-Chloroaniline	127	7.712	7.707	0.005	85	318853	82.7	
126 Hexachlorobutadiene	225	7.824	7.824	0.0	97	136932	81.4	
131 4-Chloro-3-methylphenol	107	8.369	8.364	0.005	91	242554	83.5	
133 2-Methylnaphthalene	142	8.540	8.540	0.0	86	522603	81.4	
136 Hexachlorocyclopentadiene	237	8.764	8.764	0.0	94	165247	84.7	
139 2,4,6-Trichlorophenol	196	8.919	8.919	0.0	92	162065	86.1	
140 2,4,5-Trichlorophenol	196	8.962	8.962	0.0	93	173778	85.2	
143 2-Chloronaphthalene	162	9.165	9.165	0.0	98	496060	82.0	
145 2-Nitroaniline	65	9.304	9.299	0.005	80	166752	86.5	
147 Dimethyl phthalate	163	9.550	9.550	0.0	97	587745	83.7	
148 2,6-Dinitrotoluene	165	9.614	9.614	0.0	92	139731	87.1	
149 Acenaphthylene	152	9.694	9.694	0.0	91	784462	82.2	
150 3-Nitroaniline	138	9.828	9.828	0.0	92	152406	88.8	
151 Acenaphthene	153	9.918	9.918	0.0	94	488503	81.7	
152 2,4-Dinitrophenol	184	9.961	9.956	0.005	80	81859	82.4	
153 4-Nitrophenol	109	10.063	10.063	0.0	95	97153	89.0	
154 2,4-Dinitrotoluene	165	10.121	10.121	0.0	90	191189	87.6	
155 Dibenzofuran	168	10.132	10.132	0.0	87	712605	81.9	
160 Diethyl phthalate	149	10.431	10.426	0.005	97	596348	83.5	
161 Fluorene	166	10.543	10.543	0.0	83	586780	82.3	
162 4-Chlorophenyl phenyl ether	204	10.549	10.549	0.0	76	271487	80.6	
164 4-Nitroaniline	138	10.575	10.570	0.005	34	150335	86.3	
166 4,6-Dinitro-2-methylphenol	198	10.613	10.613	0.0	81	115253	89.5	
167 N-Nitrosodiphenylamine	169	10.688	10.688	0.0	58	421132	81.9	
168 1,2-Diphenylhydrazine	77	10.730	10.730	0.0	98	608613	83.0	
176 4-Bromophenyl phenyl ether	248	11.104	11.099	0.005	60	153425	81.9	
177 Hexachlorobenzene	284	11.184	11.184	0.0	90	156239	82.9	
181 Pentachlorophenol	266	11.393	11.393	0.0	85	98169	80.9	
185 Phenanthrene	178	11.601	11.601	0.0	97	842769	81.9	
188 Anthracene	178	11.655	11.655	0.0	97	864949	83.3	
189 Carbazole	167	11.826	11.820	0.006	82	797776	82.6	
192 Di-n-butyl phthalate	149	12.178	12.178	0.0	100	992189	85.5	
197 Fluoranthene	202	12.776	12.771	0.005	97	931883	84.2	
198 Benzidine	184	12.889	12.889	0.0	98	527199	88.5	
199 Pyrene	202	12.985	12.985	0.0	98	933494	82.9	
205 Butyl benzyl phthalate	149	13.546	13.546	0.0	98	468339	86.0	
208 3,3'-Dichlorobenzidine	252	14.016	14.010	0.006	66	327333	86.6	
210 Bis(2-ethylhexyl) phthalate	149	14.037	14.032	0.005	95	650289	86.2	
209 Benzo[a]anthracene	228	14.048	14.048	0.0	91	848970	81.6	
211 Chrysene	228	14.080	14.080	0.0	93	817902	81.0	
212 Di-n-octyl phthalate	149	14.577	14.571	0.006	99	1035233	88.7	
213 Benzo[b]fluoranthene	252	14.999	14.999	0.0	92	896635	88.8	
214 Benzo[k]fluoranthene	252	15.026	15.020	0.006	99	833665	78.7	
217 Benzo[a]pyrene	252	15.314	15.314	0.0	74	720611	85.1	
219 Indeno[1,2,3-cd]pyrene	276	16.537	16.532	0.005	92	849588	82.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
220 Dibenz(a,h)anthracene	278	16.543	16.532	0.011	55	717811	83.3	
221 Benzo[g,h,i]perylene	276	16.874	16.863	0.011	93	656377	80.1	
S 222 Total Cresols	1				0		168.4	
S 77 3 & 4 Methylphenol	108				0		83.9	
S 78 3-Methylphenol	1				0		83.9	

Report Date: 09-Sep-2011 07:44:36

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4815.D

Injection Date: 08-Sep-2011 09:30:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 30376

Lims Sample ID: 28

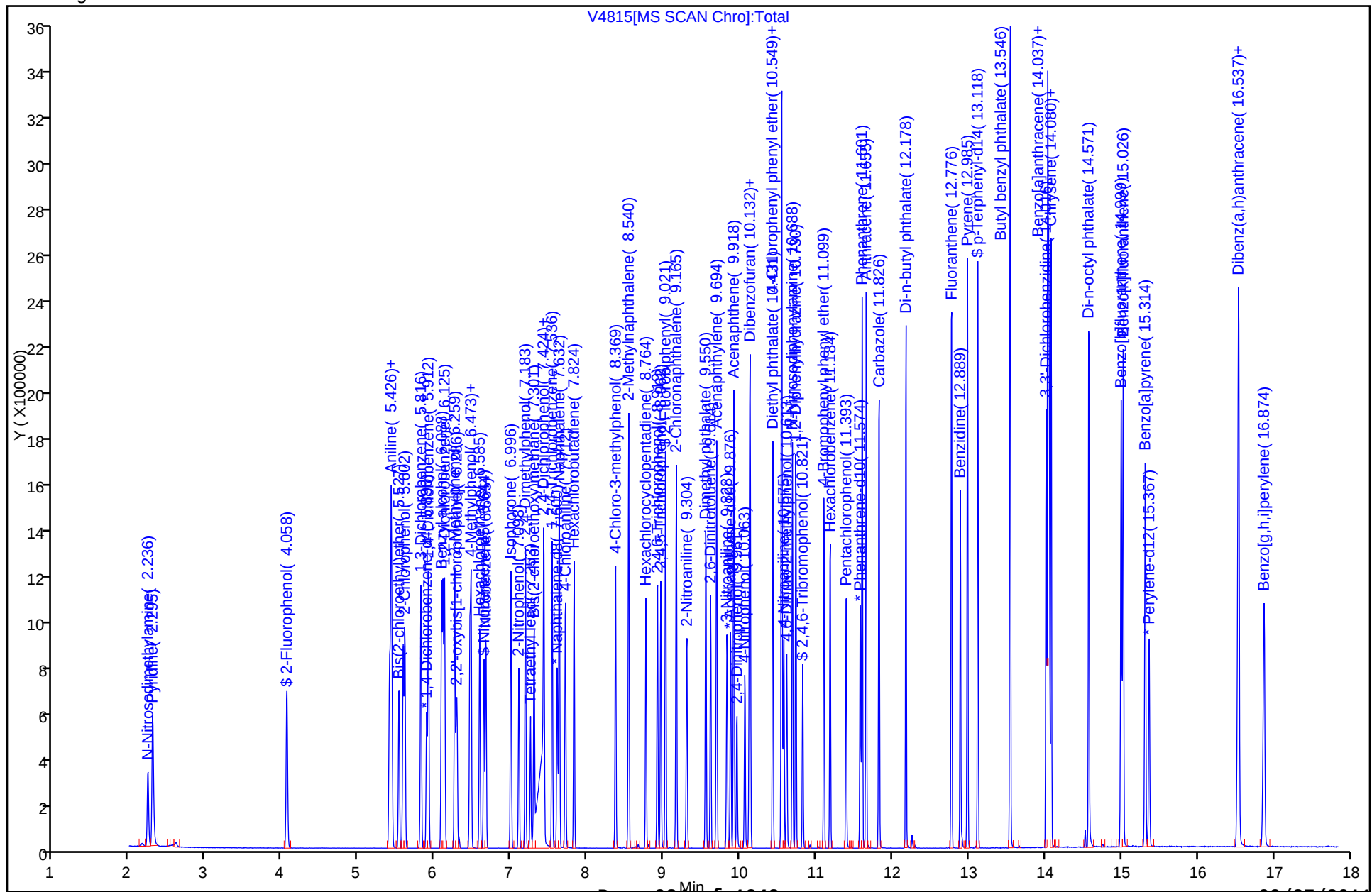
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4816.D
 Lims ID: ICIS - 8270 50 pt Client ID:
 Inject. Date: 08-Sep-2011 09:54:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 3
 Sample ID: ICIS
 Misc. Info.: ICIS - 8270 50 PT
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 30376 Lims Sample ID: 29
 Sublist: chrom-V-8270*sub13
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V-8270.m
 Last Update: 09-Sep-2011 07:44:36 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 09-Sep-2011 07:34:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.890	5.890	0.0	98	103640	40.0	
* 2 Naphthalene-d8	136	7.600	7.600	0.0	100	391488	40.0	
* 3 Acenaphthene-d10	164	9.876	9.876	0.0	91	229519	40.0	
* 4 Phenanthrene-d10	188	11.574	11.574	0.0	97	390432	40.0	
* 5 Chrysene-d12	240	14.059	14.059	0.0	95	355370	40.0	
* 6 Perylene-d12	264	15.367	15.367	0.0	99	352651	40.0	
\$ 9 2-Fluorophenol	112	4.058	4.058	0.0	91	165272	50.9	
\$ 10 Phenol-d5	99	5.399	5.399	0.0	94	205724	50.1	
\$ 11 Nitrobenzene-d5	82	6.638	6.638	0.0	88	199175	50.8	
\$ 12 2-Fluorobiphenyl	172	9.021	9.021	0.0	100	370317	50.4	
\$ 13 2,4,6-Tribromophenol	330	10.821	10.821	0.0	88	42055	51.7	
\$ 14 p-Terphenyl-d14	244	13.118	13.118	0.0	99	391082	51.0	
81 N-Nitrosodimethylamine	42	2.236	2.236	0.0	82	101100	50.6	
82 Pyridine	52	2.295	2.295	0.0	89	139745	50.6	
89 Phenol	94	5.420	5.420	0.0	90	232970	50.5	
90 Aniline	93	5.431	5.431	0.0	85	260685	49.2	
91 Bis(2-chloroethyl)ether	93	5.527	5.527	0.0	97	169886	49.9	
93 2-Chlorophenol	128	5.602	5.602	0.0	90	174378	49.8	
94 1,3-Dichlorobenzene	146	5.816	5.816	0.0	96	201602	50.2	
95 1,4-Dichlorobenzene	146	5.912	5.912	0.0	82	207592	50.4	
96 Benzyl alcohol	108	6.083	6.083	0.0	90	112960	50.4	
97 1,2-Dichlorobenzene	146	6.125	6.125	0.0	78	192146	50.0	
98 2-Methylphenol	108	6.259	6.259	0.0	97	153500	50.3	
99 2,2'-oxybis[1-chloropropane]	45	6.286	6.286	0.0	90	222213	49.7	
101 N-Nitrosodi-n-propylamine	70	6.457	6.457	0.0	87	129628	50.7	
102 4-Methylphenol	108	6.467	6.467	0.0	92	157686	50.0	
106 Hexachloroethane	117	6.585	6.585	0.0	95	75456	50.2	
107 Nitrobenzene	77	6.665	6.665	0.0	84	199270	50.9	
110 Isophorone	82	6.991	6.991	0.0	97	343231	52.1	
111 2-Nitrophenol	139	7.098	7.098	0.0	98	92673	51.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.183	7.183	0.0	98	179942	51.0	
113 Tetraethyl lead	237	7.253	7.253	0.0	91	65178	49.2	
115 Bis(2-chloroethoxy)methane	93	7.295	7.295	0.0	99	188762	50.1	
119 Benzoic acid	105	7.386	7.386	0.0	87	355226	145.8	
117 2,4-Dichlorophenol	162	7.429	7.429	0.0	93	140204	51.0	
120 1,2,4-Trichlorobenzene	180	7.536	7.536	0.0	90	156642	51.1	
121 Naphthalene	128	7.627	7.627	0.0	96	490652	51.0	
123 4-Chloroaniline	127	7.707	7.707	0.0	85	201325	50.6	
126 Hexachlorobutadiene	225	7.824	7.824	0.0	96	86909	50.1	
131 4-Chloro-3-methylphenol	107	8.364	8.364	0.0	90	150746	50.3	
133 2-Methylnaphthalene	142	8.540	8.540	0.0	85	333732	50.4	
136 Hexachlorocyclopentadiene	237	8.764	8.764	0.0	92	102681	50.6	
139 2,4,6-Trichlorophenol	196	8.914	8.914	0.0	92	99912	51.1	
140 2,4,5-Trichlorophenol	196	8.962	8.962	0.0	95	110108	51.9	
143 2-Chloronaphthalene	162	9.165	9.165	0.0	97	317572	50.5	
145 2-Nitroaniline	65	9.299	9.299	0.0	78	104747	52.3	
147 Dimethyl phthalate	163	9.550	9.550	0.0	98	371124	50.8	
148 2,6-Dinitrotoluene	165	9.614	9.614	0.0	94	85347	51.2	
149 Acenaphthylene	152	9.694	9.694	0.0	91	508233	51.3	
150 3-Nitroaniline	138	9.828	9.828	0.0	93	94109	52.7	
151 Acenaphthene	153	9.918	9.918	0.0	92	317515	51.1	
152 2,4-Dinitrophenol	184	9.956	9.956	0.0	62	47323	48.6	
153 4-Nitrophenol	109	10.063	10.063	0.0	92	58331	51.4	
154 2,4-Dinitrotoluene	165	10.121	10.121	0.0	90	118152	52.1	
155 Dibenzofuran	168	10.132	10.132	0.0	86	458585	50.7	
160 Diethyl phthalate	149	10.426	10.426	0.0	96	380416	51.2	
161 Fluorene	166	10.543	10.543	0.0	83	374715	50.6	
162 4-Chlorophenyl phenyl ether	204	10.549	10.549	0.0	90	172542	49.3	
164 4-Nitroaniline	138	10.570	10.570	0.0	42	94942	52.4	
166 4,6-Dinitro-2-methylphenol	198	10.613	10.613	0.0	85	65730	50.2	
167 N-Nitrosodiphenylamine	169	10.688	10.688	0.0	59	263501	50.4	
168 1,2-Diphenylhydrazine	77	10.730	10.730	0.0	98	387175	50.8	
176 4-Bromophenyl phenyl ether	248	11.099	11.099	0.0	66	96684	50.8	
177 Hexachlorobenzene	284	11.184	11.184	0.0	93	97120	50.7	
181 Pentachlorophenol	266	11.393	11.393	0.0	85	60818	50.9	
185 Phenanthrene	178	11.601	11.601	0.0	95	536895	51.4	
188 Anthracene	178	11.655	11.655	0.0	97	543482	51.5	
189 Carbazole	167	11.820	11.820	0.0	83	499179	50.9	
192 Di-n-butyl phthalate	149	12.178	12.178	0.0	100	617311	52.4	
197 Fluoranthene	202	12.771	12.771	0.0	97	570840	50.8	
198 Benzidine	184	12.889	12.889	0.0	97	296697	50.0	
199 Pyrene	202	12.985	12.985	0.0	98	583415	52.0	
205 Butyl benzyl phthalate	149	13.546	13.546	0.0	97	280258	51.7	
208 3,3'-Dichlorobenzidine	252	14.016	14.016	0.0	66	195703	52.0	
210 Bis(2-ethylhexyl) phthalate	149	14.032	14.032	0.0	96	392478	52.2	
209 Benzo[a]anthracene	228	14.048	14.048	0.0	91	522935	50.5	
211 Chrysene	228	14.080	14.080	0.0	91	510155	50.8	
212 Di-n-octyl phthalate	149	14.571	14.571	0.0	99	627682	54.0	
213 Benzo[b]fluoranthene	252	14.999	14.999	0.0	91	523451	51.1	
214 Benzo[k]fluoranthene	252	15.020	15.020	0.0	99	536984	50.0	
217 Benzo[a]pyrene	252	15.314	15.314	0.0	72	437171	50.9	
219 Indeno[1,2,3-cd]pyrene	276	16.532	16.532	0.0	93	499851	47.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
220 Dibenz(a,h)anthracene	278	16.532	16.532	0.0	50	426407	48.8	
221 Benzo[g,h,i]perylene	276	16.863	16.863	0.0	92	378698	45.6	
S 222 Total Cresols	1				0		100.3	
S 77 3 & 4 Methylphenol	108				0		50.0	
S 78 3-Methylphenol	1				0		50.0	

Report Date: 09-Sep-2011 07:44:36

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4816.D

Injection Date: 08-Sep-2011 09:54:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 30376

Lims Sample ID: 29

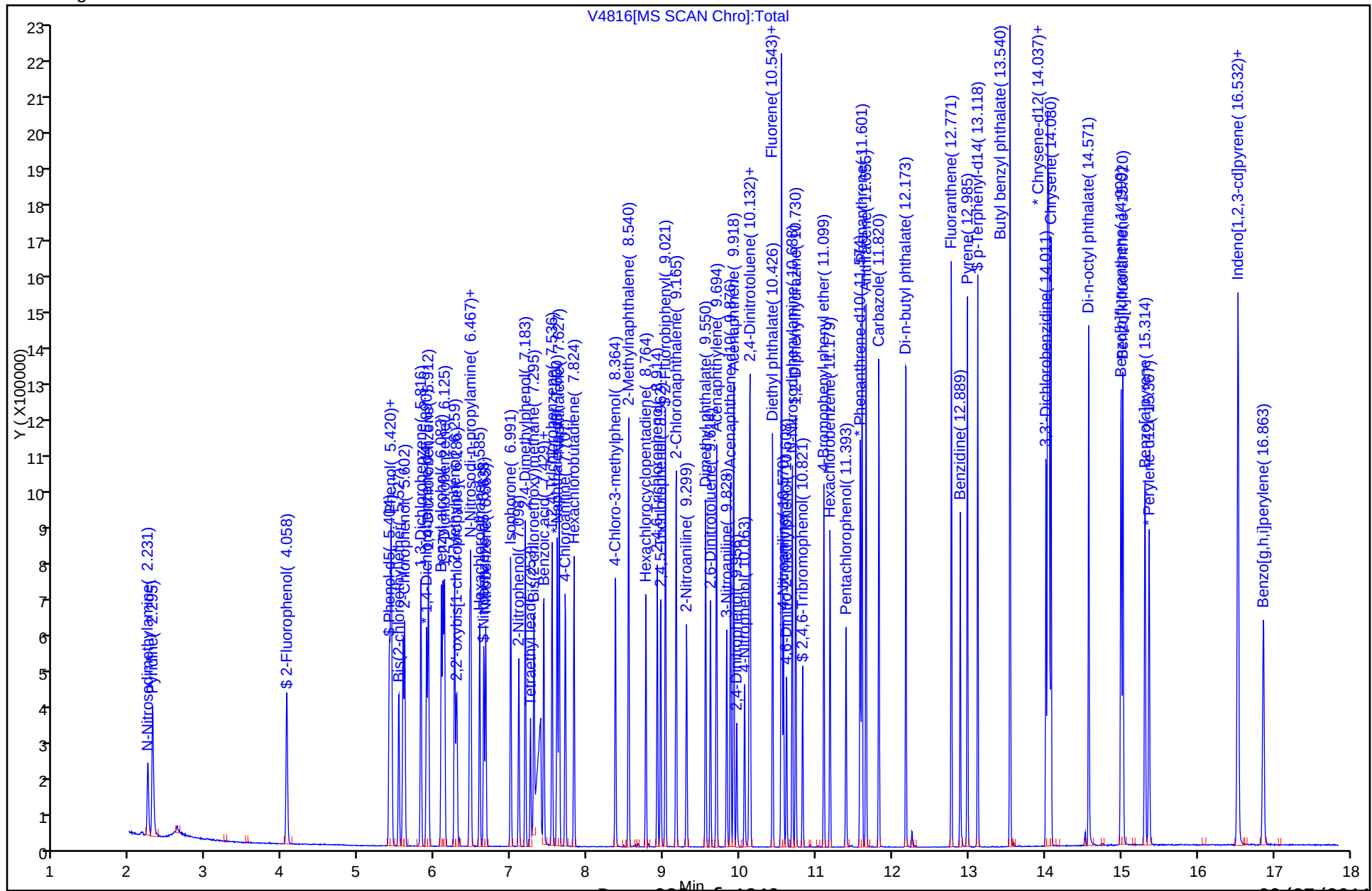
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4817.D
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 Inject. Date: 08-Sep-2011 10:18:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: IC
 Misc. Info.: IC - 8270 20 PT
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 30376 Lims Sample ID: 30
 Sublist: chrom-V-8270*sub13
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V-8270.m
 Last Update: 09-Sep-2011 07:44:37 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 09-Sep-2011 07:36:47

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.890	5.890	0.0	96	103255	40.0	
* 2 Naphthalene-d8	136	7.600	7.600	0.0	99	389500	40.0	
* 3 Acenaphthene-d10	164	9.876	9.876	0.0	91	227099	40.0	
* 4 Phenanthrene-d10	188	11.574	11.574	0.0	97	385651	40.0	
* 5 Chrysene-d12	240	14.053	14.059	-0.006	97	361424	40.0	
* 6 Perylene-d12	264	15.367	15.367	0.0	98	355357	40.0	
\$ 9 2-Fluorophenol	112	4.058	4.058	0.0	82	61947	19.1	
\$ 10 Phenol-d5	99	5.399	5.399	0.0	97	80049	19.6	
\$ 11 Nitrobenzene-d5	82	6.638	6.638	0.0	85	77676	19.9	
\$ 12 2-Fluorobiphenyl	172	9.021	9.021	0.0	98	145871	20.1	
\$ 13 2,4,6-Tribromophenol	330	10.821	10.821	0.0	70	15827	19.7	
\$ 14 p-Terphenyl-d14	244	13.118	13.118	0.0	97	159512	20.4	
81 N-Nitrosodimethylamine	42	2.236	2.236	0.0	71	39260	19.7	
82 Pyridine	52	2.300	2.295	0.005	87	54760	19.9	
89 Phenol	94	5.415	5.420	-0.005	93	91653	19.9	
90 Aniline	93	5.431	5.431	0.0	87	104922	19.9	
91 Bis(2-chloroethyl)ether	93	5.527	5.527	0.0	93	68674	20.2	
93 2-Chlorophenol	128	5.602	5.602	0.0	89	68825	19.7	
94 1,3-Dichlorobenzene	146	5.816	5.816	0.0	94	79363	19.8	
95 1,4-Dichlorobenzene	146	5.912	5.912	0.0	82	80047	19.5	
96 Benzyl alcohol	108	6.083	6.083	0.0	87	43545	19.5	
97 1,2-Dichlorobenzene	146	6.125	6.125	0.0	86	76355	19.9	
98 2-Methylphenol	108	6.254	6.259	-0.005	95	58784	19.3	
99 2,2'-oxybis[1-chloropropane]	45	6.286	6.286	0.0	87	88740	19.9	
101 N-Nitrosodi-n-propylamine	70	6.451	6.457	-0.006	87	49341	19.4	
102 4-Methylphenol	108	6.467	6.467	0.0	92	62648	20.0	
106 Hexachloroethane	117	6.585	6.585	0.0	95	29305	19.6	
107 Nitrobenzene	77	6.665	6.665	0.0	83	77940	20.0	
110 Isophorone	82	6.991	6.991	0.0	96	129676	19.8	
111 2-Nitrophenol	139	7.098	7.098	0.0	95	35746	19.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.183	7.183	0.0	97	69677	19.9	
113 Tetraethyl lead	237	7.253	7.253	0.0	88	27233	20.6	
115 Bis(2-chloroethoxy)methane	93	7.295	7.295	0.0	99	77837	20.8	
119 Benzoic acid	105	7.370	7.386	-0.016	85	266907	110.1	
117 2,4-Dichlorophenol	162	7.424	7.429	-0.005	91	54051	19.8	
120 1,2,4-Trichlorobenzene	180	7.536	7.536	0.0	93	61138	20.1	
121 Naphthalene	128	7.627	7.627	0.0	82	190756	19.9	
123 4-Chloroaniline	127	7.707	7.707	0.0	85	78397	19.8	
126 Hexachlorobutadiene	225	7.824	7.824	0.0	93	34707	20.1	
131 4-Chloro-3-methylphenol	107	8.364	8.364	0.0	87	57986	19.5	
133 2-Methylnaphthalene	142	8.540	8.540	0.0	83	133469	20.3	
136 Hexachlorocyclopentadiene	237	8.764	8.764	0.0	97	38467	19.2	
139 2,4,6-Trichlorophenol	196	8.914	8.914	0.0	88	37884	19.6	
140 2,4,5-Trichlorophenol	196	8.962	8.962	0.0	89	40222	19.2	
143 2-Chloronaphthalene	162	9.160	9.165	-0.005	97	123923	19.9	
145 2-Nitroaniline	65	9.299	9.299	0.0	71	38804	19.6	
147 Dimethyl phthalate	163	9.550	9.550	0.0	98	145829	20.2	
148 2,6-Dinitrotoluene	165	9.609	9.614	-0.005	86	31255	18.9	
149 Acenaphthylene	152	9.689	9.694	-0.005	90	201793	20.6	
150 3-Nitroaniline	138	9.822	9.828	-0.006	87	33657	19.1	
151 Acenaphthene	153	9.918	9.918	0.0	92	123039	20.0	
152 2,4-Dinitrophenol	184	9.956	9.956	0.0	50	13301	18.3	
153 4-Nitrophenol	109	10.057	10.063	-0.006	90	21266	18.9	
154 2,4-Dinitrotoluene	165	10.121	10.121	0.0	87	44486	19.8	
155 Dibenzofuran	168	10.132	10.132	0.0	86	182348	20.4	
160 Diethyl phthalate	149	10.426	10.426	0.0	95	147955	20.1	
161 Fluorene	166	10.543	10.543	0.0	81	147223	20.1	
162 4-Chlorophenyl phenyl ether	204	10.549	10.549	0.0	93	69932	20.2	
164 4-Nitroaniline	138	10.565	10.570	-0.005	42	35250	19.7	
166 4,6-Dinitro-2-methylphenol	198	10.608	10.613	-0.005	71	23997	18.6	
167 N-Nitrosodiphenylamine	169	10.682	10.688	-0.006	55	103978	20.2	
168 1,2-Diphenylhydrazine	77	10.730	10.730	0.0	98	151005	20.0	
176 4-Bromophenyl phenyl ether	248	11.099	11.099	0.0	65	37255	19.8	
177 Hexachlorobenzene	284	11.179	11.184	-0.005	86	37570	19.9	
181 Pentachlorophenol	266	11.393	11.393	0.0	71	19151	18.8	
185 Phenanthrene	178	11.601	11.601	0.0	92	212568	20.6	
188 Anthracene	178	11.655	11.655	0.0	96	213777	20.5	
189 Carbazole	167	11.820	11.820	0.0	83	200312	20.7	
192 Di-n-butyl phthalate	149	12.178	12.178	0.0	99	241826	20.8	
197 Fluoranthene	202	12.771	12.771	0.0	96	228171	20.5	
198 Benzidine	184	12.889	12.889	0.0	95	123520	20.5	
199 Pyrene	202	12.979	12.985	-0.006	98	234442	20.6	
205 Butyl benzyl phthalate	149	13.546	13.546	0.0	96	112693	20.4	
208 3,3'-Dichlorobenzidine	252	14.011	14.016	-0.005	62	76117	19.9	
210 Bis(2-ethylhexyl) phthalate	149	14.032	14.032	0.0	96	157379	20.6	
209 Benzo[a]anthracene	228	14.048	14.048	0.0	94	219021	20.8	
211 Chrysene	228	14.075	14.080	-0.005	91	209825	20.5	
212 Di-n-octyl phthalate	149	14.571	14.571	0.0	99	234314	19.8	
213 Benzo[b]fluoranthene	252	14.994	14.999	-0.005	90	196634	19.0	
214 Benzo[k]fluoranthene	252	15.020	15.020	0.0	74	233536	21.6	
217 Benzo[a]pyrene	252	15.309	15.314	-0.005	72	171017	19.7	
219 Indeno[1,2,3-cd]pyrene	276	16.527	16.532	-0.005	94	204384	19.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
220 Dibenz(a,h)anthracene	278	16.532	16.532	0.0	48	173039	19.6	
221 Benzo[g,h,i]perylene	276	16.863	16.863	0.0	87	176150	21.0	
S 222 Total Cresols	1				0		39.3	
S 77 3 & 4 Methylphenol	108				0		20.0	
S 78 3-Methylphenol	1				0		20.0	

Report Date: 09-Sep-2011 07:44:37

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4817.D

Injection Date: 08-Sep-2011 10:18:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 30376

Lims Sample ID: 30

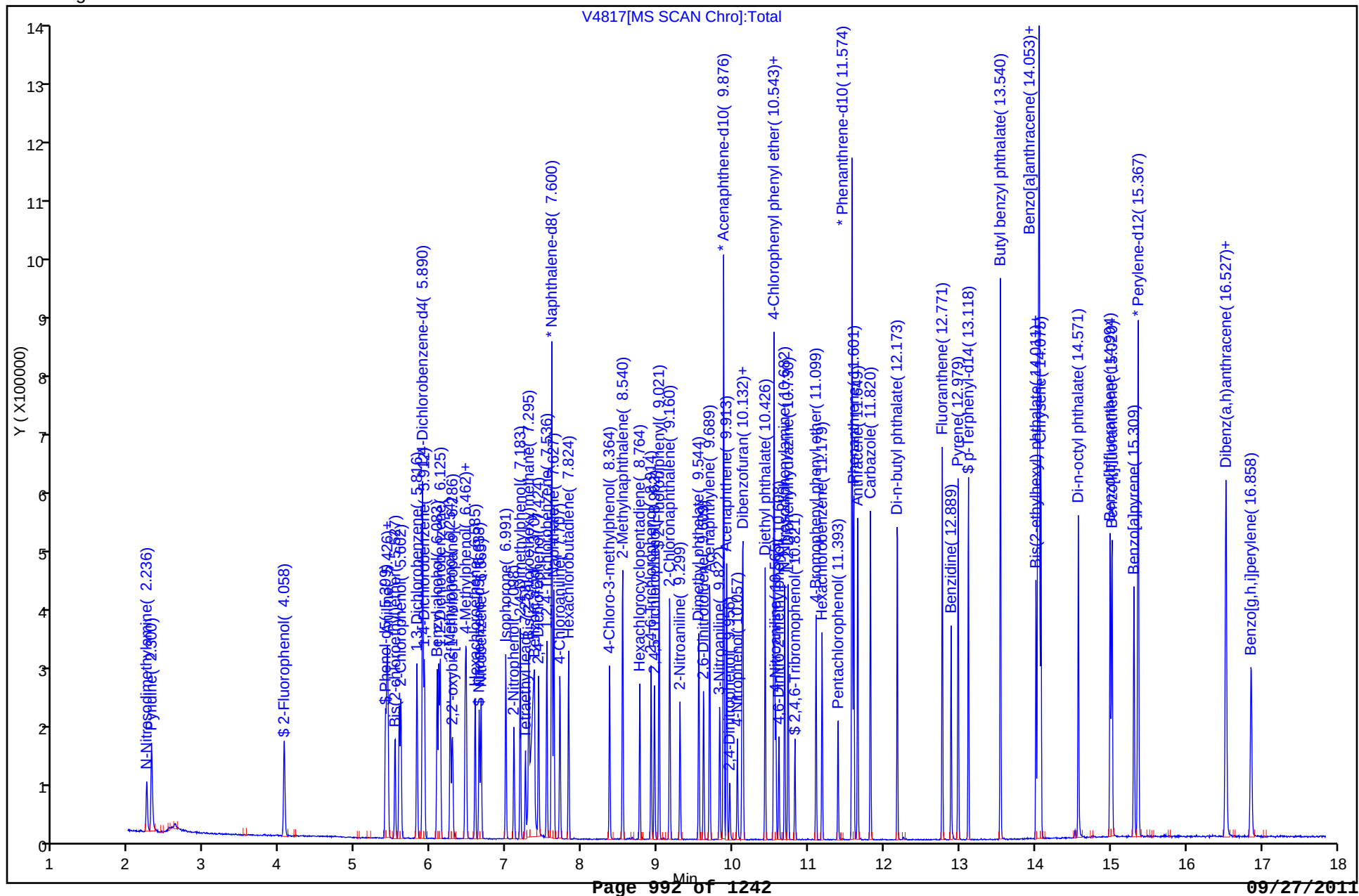
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
 Lims ID: IC - 8270 5 pt Client ID:
 Inject. Date: 08-Sep-2011 10:41:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: IC
 Misc. Info.: IC - 8270 5 PT
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 30376 Lims Sample ID: 31
 Sublist: chrom-V-8270*sub13
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V-8270.m
 Last Update: 09-Sep-2011 07:44:38 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 09-Sep-2011 07:37:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.890	5.890	0.0	96	99742	40.0	
* 2 Naphthalene-d8	136	7.600	7.600	0.0	99	384510	40.0	
* 3 Acenaphthene-d10	164	9.875	9.876	-0.001	91	220981	40.0	
* 4 Phenanthrene-d10	188	11.574	11.574	0.0	97	373052	40.0	
* 5 Chrysene-d12	240	14.053	14.059	-0.006	98	364143	40.0	
* 6 Perylene-d12	264	15.367	15.367	0.0	95	351644	40.0	
\$ 9 2-Fluorophenol	112	4.058	4.058	0.0	55	14598	4.67	
\$ 10 Phenol-d5	99	5.399	5.399	0.0	80	18736	4.74	
\$ 11 Nitrobenzene-d5	82	6.638	6.638	0.0	62	17787	4.62	
\$ 12 2-Fluorobiphenyl	172	9.021	9.021	0.0	83	36285	5.13	
\$ 13 2,4,6-Tribromophenol	330	10.821	10.821	0.0	2	2794	3.60	
\$ 14 p-Terphenyl-d14	244	13.118	13.118	0.0	84	36789	4.68	
81 N-Nitrosodimethylamine	42	2.236	2.236	0.0	56	9295	4.84	
82 Pyridine	52	2.300	2.295	0.005	85	13028	4.90	
89 Phenol	94	5.415	5.420	-0.005	85	22223	5.00	
90 Aniline	93	5.431	5.431	0.0	66	25351	4.97	
91 Bis(2-chloroethyl)ether	93	5.522	5.527	-0.005	62	15981	4.87	
93 2-Chlorophenol	128	5.602	5.602	0.0	72	17215	5.11	
94 1,3-Dichlorobenzene	146	5.815	5.816	-0.001	85	19443	5.03	
95 1,4-Dichlorobenzene	146	5.912	5.912	0.0	47	20269	5.12	
96 Benzyl alcohol	108	6.082	6.083	-0.001	71	9874	4.58	
97 1,2-Dichlorobenzene	146	6.125	6.125	0.0	72	19201	5.19	
98 2-Methylphenol	108	6.253	6.259	-0.006	75	14360	4.89	
99 2,2'-oxybis[1-chloropropane]	45	6.280	6.286	-0.006	49	22231	5.17	
101 N-Nitrosodi-n-propylamine	70	6.451	6.457	-0.006	70	11503	4.67	
102 4-Methylphenol	108	6.467	6.467	0.0	85	14698	4.85	
106 Hexachloroethane	117	6.585	6.585	0.0	71	7005	4.84	
107 Nitrobenzene	77	6.665	6.665	0.0	71	18405	4.79	
110 Isophorone	82	6.991	6.991	0.0	79	28943	4.48	
111 2-Nitrophenol	139	7.098	7.098	0.0	64	7289	4.12	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.183	7.183	0.0	84	15723	4.54	
113 Tetraethyl lead	237	7.252	7.253	-0.001	75	6615	5.08	
115 Bis(2-chloroethoxy)methane	93	7.295	7.295	0.0	86	18709	5.05	
119 Benzoic acid	105	7.359	7.386	-0.027	82	216221	90.3	
117 2,4-Dichlorophenol	162	7.423	7.429	-0.006	71	13293	4.92	
120 1,2,4-Trichlorobenzene	180	7.536	7.536	0.0	74	14680	4.88	
121 Naphthalene	128	7.626	7.627	-0.001	63	49017	5.18	
123 4-Chloroaniline	127	7.712	7.707	0.005	74	18947	4.85	
126 Hexachlorobutadiene	225	7.824	7.824	0.0	70	8340	4.89	
131 4-Chloro-3-methylphenol	107	8.369	8.364	0.005	65	13752	4.67	
133 2-Methylnaphthalene	142	8.540	8.540	0.0	78	32385	4.98	
136 Hexachlorocyclopentadiene	237	8.764	8.764	0.0	50	8679	4.44	
139 2,4,6-Trichlorophenol	196	8.919	8.914	0.005	43	8124	4.31	
140 2,4,5-Trichlorophenol	196	8.962	8.962	0.0	71	9205	4.51	
143 2-Chloronaphthalene	162	9.160	9.165	-0.005	85	30601	5.06	
145 2-Nitroaniline	65	9.299	9.299	0.0	23	7473	3.87	
147 Dimethyl phthalate	163	9.550	9.550	0.0	88	33724	4.80	
148 2,6-Dinitrotoluene	165	9.614	9.614	0.0	56	6972	4.34	
149 Acenaphthylene	152	9.694	9.694	0.0	83	46319	4.85	
150 3-Nitroaniline	138	9.827	9.828	-0.001	72	6788	3.95	
151 Acenaphthene	153	9.918	9.918	0.0	82	30500	5.10	
152 2,4-Dinitrophenol	184	9.961	9.956	0.005	27	4927	10.8	
153 4-Nitrophenol	109	10.057	10.063	-0.006	82	7985	7.31	
154 2,4-Dinitrotoluene	165	10.121	10.121	0.0	58	8811	4.03	
155 Dibenzofuran	168	10.132	10.132	0.0	76	45523	5.23	
160 Diethyl phthalate	149	10.426	10.426	0.0	88	35129	4.91	
161 Fluorene	166	10.543	10.543	0.0	89	36491	5.12	
162 4-Chlorophenyl phenyl ether	204	10.549	10.549	0.0	78	18241	5.41	
164 4-Nitroaniline	138	10.570	10.570	0.0	15	7060	4.05	
166 4,6-Dinitro-2-methylphenol	198	10.607	10.613	-0.006	57	9400	7.52	
167 N-Nitrosodiphenylamine	169	10.688	10.688	0.0	31	25087	5.03	
168 1,2-Diphenylhydrazine	77	10.730	10.730	0.0	95	35743	4.87	
176 4-Bromophenyl phenyl ether	248	11.099	11.099	0.0	46	8892	4.89	
177 Hexachlorobenzene	284	11.179	11.184	-0.005	59	8612	4.71	
181 Pentachlorophenol	266	11.393	11.393	0.0	51	8018	10.4	
185 Phenanthrene	178	11.601	11.601	0.0	60	51161	5.12	
188 Anthracene	178	11.654	11.655	-0.001	86	50058	4.97	
189 Carbazole	167	11.820	11.820	0.0	68	46387	4.95	
192 Di-n-butyl phthalate	149	12.178	12.178	0.0	93	50316	4.47	
197 Fluoranthene	202	12.771	12.771	0.0	93	52159	4.85	
198 Benzidine	184	12.889	12.889	-0.001	68	24719	4.07	
199 Pyrene	202	12.979	12.985	-0.006	96	56297	4.90	
205 Butyl benzyl phthalate	149	13.546	13.546	0.0	85	22966	4.13	
208 3,3'-Dichlorobenzidine	252	14.010	14.016	-0.006	10	15406	3.99	
210 Bis(2-ethylhexyl) phthalate	149	14.037	14.032	0.005	89	32556	4.23	
209 Benzo[a]anthracene	228	14.042	14.048	-0.006	93	54448	5.13	
211 Chrysene	228	14.074	14.080	-0.006	72	53373	5.18	
212 Di-n-octyl phthalate	149	14.571	14.571	0.0	84	44405	3.73	
213 Benzo[b]fluoranthene	252	14.993	14.999	-0.006	84	47239	4.62	
214 Benzo[k]fluoranthene	252	15.020	15.020	0.0	77	53455	4.99	
217 Benzo[a]pyrene	252	15.309	15.314	-0.005	45	38585	4.50	
219 Indeno[1,2,3-cd]pyrene	276	16.527	16.532	-0.005	90	49601	4.77	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
220 Dibenz(a,h)anthracene	278	16.527	16.532	-0.005	34	40887	4.69	
221 Benzo[g,h,i]perylene	276	16.858	16.863	-0.005	76	43258	5.22	
S 222 Total Cresols	1				0		9.74	
S 77 3 & 4 Methylphenol	108				0		4.85	
S 78 3-Methylphenol	1				0		4.85	

Report Date: 09-Sep-2011 07:44:38

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D

Injection Date: 08-Sep-2011 10:41:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 30376

Lims Sample ID: 31

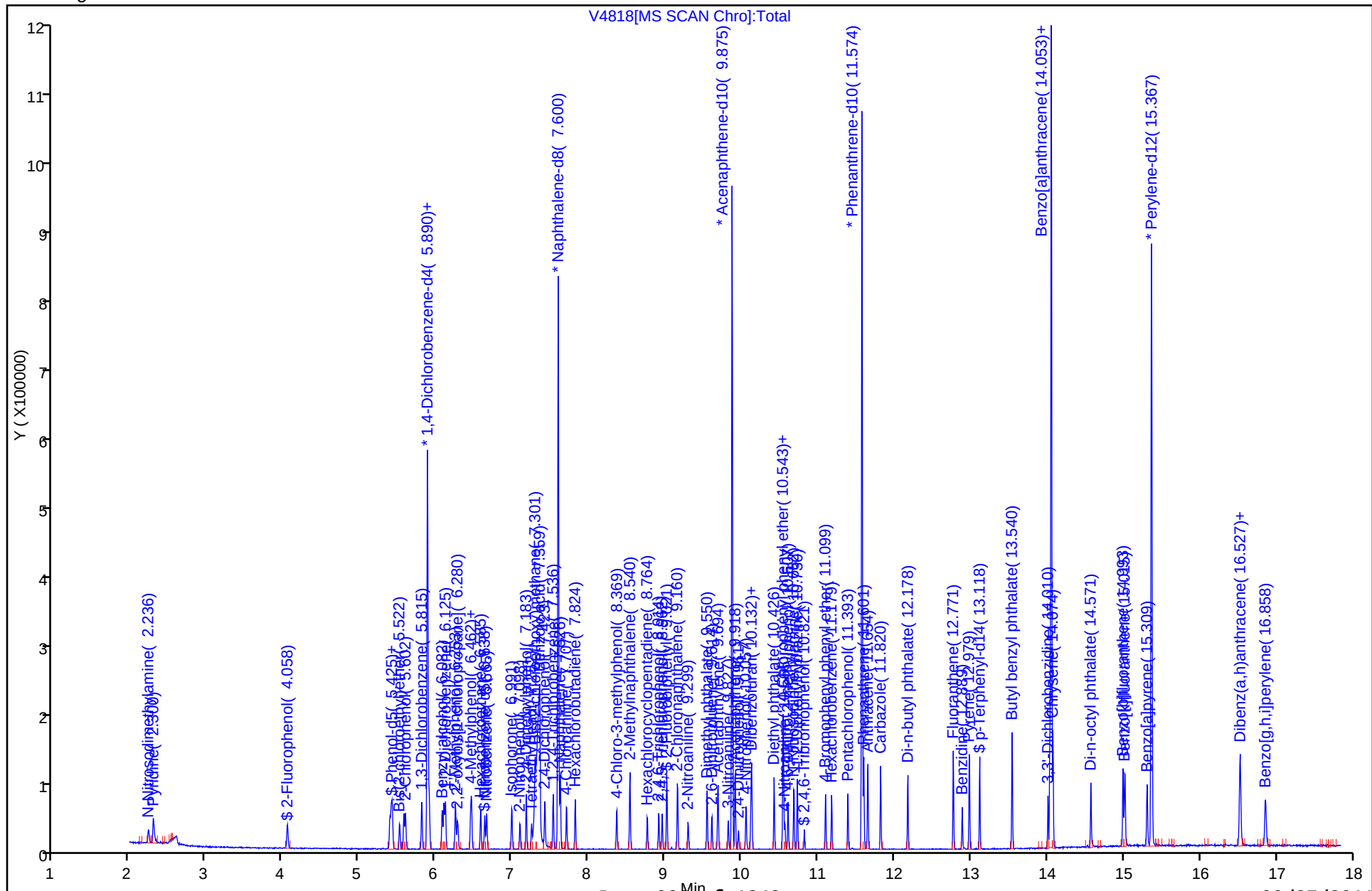
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 30276

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/07/2011 12:10 Calibration End Date: 09/07/2011 14:40 Calibration ID: 3837

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-30276/7	W4787.D
Level 2	IC 480-30276/6	W4786.D
Level 3	ICIS 480-30276/5	W4785.D
Level 4	IC 480-30276/4	W4784.D
Level 5	IC 480-30276/3	W4783.D
Level 6	IC 480-30276/2	W4782.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodimethylamine	0.7835 0.7887	0.7941	0.7937	0.7995	0.7892	Ave		0.7915				0.7		15.0			
Pyridine	1.3232 1.3461	1.3386	1.3152	1.3309	1.3270	Ave		1.3302				0.8		15.0			
Phenol	2.1707 2.0123	2.1721	2.1224	2.1526	2.0235	Ave		2.1089				3.5		15.0			
Aniline	2.4505 2.3771	2.4053	2.3627	2.4244	2.3668	Ave		2.3978				1.5		15.0			
Bis (2-chloroethyl) ether	1.5575 1.5314	1.5738	1.5626	1.5624	1.5103	Ave		1.5497				1.5		15.0			
2-Chlorophenol	1.5494 1.4704	1.5848	1.5637	1.5713	1.4780	Ave		1.5363				3.2		15.0			
1,3-Dichlorobenzene	1.6388 1.4702	1.5920	1.6042	1.6204	1.5413	Ave		1.5778				3.9		15.0			
1,4-Dichlorobenzene	1.6768 1.5084	1.6700	1.6565	1.6489	1.5465	Ave		1.6178				4.4		15.0			
Benzyl alcohol	0.9794 0.9919	1.0061	1.0422	1.0433	0.9927	Ave		1.0093				2.7		15.0			
1,2-Dichlorobenzene	1.5896 1.4064	1.5821	1.5404	1.5494	1.4473	Ave		1.5192				4.9		15.0			
2-Methylphenol	1.3138 1.3262	1.3717	1.3880	1.4040	1.3330	Ave		1.3561				2.7		15.0			
bis (2-chloroisopropyl) ether	2.1292 2.0894	2.1396	2.0889	2.0747	2.0501	Ave		2.0953				1.6		15.0			
N-Nitrosodi-n-propylamine	1.0308 1.0151	1.0493	1.0766	1.0793	1.0015	Ave		1.0421			0.0500	3.1		15.0			
4-Methylphenol	1.3839 1.2972	1.4164	1.3971	1.3911	1.2838	Ave		1.3616				4.1		15.0			
Hexachloroethane	0.6050 0.5880	0.5983	0.6320	0.6184	0.6040	Ave		0.6076				2.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 30276

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/07/2011 12:10 Calibration End Date: 09/07/2011 14:40 Calibration ID: 3837

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Nitrobenzene	0.3520 0.3720	0.3849	0.3911	0.3944	0.3819	Ave		0.3794				4.1		15.0			
Isophorone	0.6497 0.6504	0.6623	0.6793	0.6935	0.6634	Ave		0.6664				2.6		15.0			
2-Nitrophenol	0.1308 0.1736	0.1676	0.1801	0.1854	0.1786	Ave		0.1693				12.0		15.0			
2,4-Dimethylphenol	0.3506 0.3429	0.3651	0.3604	0.3678	0.3526	Ave		0.3565				2.7		15.0			
Tetraethyl lead	0.1285 0.1087	0.1332	0.1223	0.1262	0.1161	Ave		0.1225				7.3		15.0			
Bis (2-chloroethoxy)methane	0.4312 0.3835	0.4165	0.4098	0.4147	0.3949	Ave		0.4084				4.1		15.0			
Benzoic acid	0.2418 0.2783	0.2472	0.2638	0.2924	0.2776	Ave		0.2669				7.4		15.0			
2,4-Dichlorophenol	0.2617 0.2462	0.2615	0.2721	0.2749	0.2556	Ave		0.2620				4.0		15.0			
1,2,4-Trichlorobenzene	0.3149 0.2794	0.3101	0.3083	0.3098	0.2927	Ave		0.3025				4.5		15.0			
Naphthalene	1.0568 0.9149	1.0530	1.0141	1.0112	0.9551	Ave		1.0009				5.6		15.0			
4-Chloroaniline	0.4244 0.4045	0.4266	0.4321	0.4337	0.4154	Ave		0.4228				2.6		15.0			
Hexachlorobutadiene	0.1711 0.1492	0.1723	0.1666	0.1691	0.1550	Ave		0.1639				5.8		15.0			
4-Chloro-3-methylphenol	0.2888 0.2868	0.3002	0.3100	0.3118	0.2987	Ave		0.2994				3.5		15.0			
2-Methylnaphthalene	0.6581 0.5778	0.6327	0.6428	0.6405	0.5989	Ave		0.6252				4.9		15.0			
Hexachlorocyclopentadiene	0.2375 0.3249	0.3072	0.3271	0.3381	0.3263	Ave		0.3102			0.0500	12.0		15.0			
2,4,6-Trichlorophenol	0.3046 0.3232	0.3250	0.3438	0.3465	0.3302	Ave		0.3289				4.7		15.0			
2,4,5-Trichlorophenol	0.3297 0.3444	0.3621	0.3708	0.3776	0.3591	Ave		0.3573				4.9		15.0			
2-Chloronaphthalene	1.1802 1.0152	1.1387	1.1283	1.1056	1.0492	Ave		1.1029				5.5		15.0			
2-Nitroaniline	0.2882 0.3790	0.3341	0.3861	0.3989	0.3768	Ave		0.3605				12.0		15.0			
Dimethyl phthalate	1.3041 1.1819	1.2403	1.2948	1.2985	1.2135	Ave		1.2555				4.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 30276

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/07/2011 12:10 Calibration End Date: 09/07/2011 14:40 Calibration ID: 3837

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2,6-Dinitrotoluene	0.2239 0.2829	0.2567	0.2868	0.2939	0.2860	Ave		0.2717				9.8		15.0			
Acenaphthylene	1.6360 1.5290	1.6627	1.6686	1.6802	1.5771	Ave		1.6256				3.7		15.0			
3-Nitroaniline	0.2678 0.3314	0.3065	0.3426	0.3447	0.3327	Ave		0.3209				9.2		15.0			
Acenaphthene	1.2218 1.0218	1.1460	1.1475	1.1289	1.0495	Ave		1.1192				6.5		15.0			
2,4-Dinitrophenol	0.0533 0.1610	0.0879	0.1424	0.1653	0.1643	Lin1	-1.341	0.1731			0.0500				0.9980		0.9900
4-Nitrophenol	0.1577 0.2034	0.1887	0.2131	0.2179	0.2116	Ave		0.1987			0.0500	11.0		15.0			
2,4-Dinitrotoluene	0.2951 0.3604	0.3610	0.4025	0.4135	0.3824	Ave		0.3691				11.0		15.0			
Dibenzofuran	1.6600 1.3456	1.5590	1.5671	1.5309	1.4112	Ave		1.5123				7.6		15.0			
Diethyl phthalate	1.1914 1.0889	1.1990	1.2732	1.2643	1.1554	Ave		1.1954				5.8		15.0			
Fluorene	1.2969 1.0267	1.2682	1.2485	1.1911	1.0863	Ave		1.1863				9.1		15.0			
4-Chlorophenyl phenyl ether	0.7033 0.5270	0.6511	0.6351	0.6066	0.5555	Ave		0.6131				11.0		15.0			
4-Nitroaniline	0.3100 0.3371	0.3325	0.3770	0.3596	0.3319	Ave		0.3414				6.9		15.0			
4,6-Dinitro-2-methylphenol	0.0739 0.1474	0.1044	0.1397	0.1460	0.1484	Lin1	-0.847	0.1545							1.0000		0.9900
N-Nitrosodiphenylamine	0.5087 0.4981	0.5201	0.5168	0.5236	0.5068	Ave		0.5124				1.9		15.0			
1,2-Diphenylhydrazine	1.3671 1.2830	1.3780	1.4274	1.4191	1.3338	Ave		1.3681				4.0		15.0			
4-Bromophenyl phenyl ether	0.1911 0.1820	0.1925	0.1949	0.1935	0.1911	Ave		0.1908				2.4		15.0			
Hexachlorobenzene	0.2108 0.1973	0.2098	0.2065	0.2056	0.1985	Ave		0.2048				2.8		15.0			
Pentachlorophenol	0.0918 0.1286	0.1103	0.1279	0.1334	0.1280	Ave		0.1200				13.0		15.0			
Phenanthrene	1.2376 0.9920	1.1755	1.1247	1.1085	1.0511	Ave		1.1149				7.8		15.0			
Anthracene	1.1421 1.0292	1.1953	1.1586	1.1390	1.0852	Ave		1.1249				5.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 30276

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/07/2011 12:10 Calibration End Date: 09/07/2011 14:40 Calibration ID: 3837

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbazole	0.9973 0.9139	1.0360	1.0387	0.9898	0.9657	Ave		0.9902				4.7		15.0			
Di-n-butyl phthalate	1.0326 1.0889	1.1977	1.2222	1.1874	1.1621	Ave		1.1485				6.3		15.0			
Fluoranthene	1.2018 1.0991	1.2509	1.2377	1.1936	1.1499	Ave		1.1888				4.8		15.0			
Benzidine	0.5301 0.6649	0.6447	0.6492	0.7220	0.6845	Ave		0.6492				10.0		15.0			
Pyrene	1.3130 1.2015	1.3089	1.2992	1.3222	1.2625	Ave		1.2845				3.6		15.0			
Butyl benzyl phthalate	0.4581 0.5114	0.5576	0.5750	0.5722	0.5479	Ave		0.5370				8.4		15.0			
3,3'-Dichlorobenzidine	0.3249 0.4140	0.4087	0.4413	0.4433	0.4236	Ave		0.4093				11.0		15.0			
Bis(2-ethylhexyl) phthalate	0.6298 0.7379	0.7612	0.7904	0.8359	0.7838	Ave		0.7565				9.3		15.0			
Benzo(a)anthracene	1.1392 1.0587	1.1466	1.1252	1.1803	1.1323	Ave		1.1304				3.5		15.0			
Chrysene	1.2971 1.0941	1.2222	1.2019	1.2130	1.1548	Ave		1.1972				5.7		15.0			
Di-n-octyl phthalate	0.6560 1.2612	1.0926	1.2663	1.3181	1.3361	Lin1	-3.448	1.3258							0.9990		0.9900
Benzo(b)fluoranthene	0.7718 1.0688	0.9200	1.0625	1.1358	1.0805	Ave		1.0066				13.0		15.0			
Benzo(k)fluoranthene	1.2616 1.1458	1.4190	1.3592	1.2757	1.2286	Ave		1.2817				7.5		15.0			
Benzo(a)pyrene	0.6808 0.9645	0.8641	0.9504	0.9687	0.9859	Ave		0.9024				13.0		15.0			
Indeno(1,2,3-cd)pyrene	0.6275 1.2702	0.9915	1.1655	1.2181	1.2240	Lin1	-3.719	1.2669							0.9990		0.9900
Dibenz(a,h)anthracene	0.5051 1.0517	0.8192	0.9566	1.0139	1.0130	Lin1	-3.162	1.0498							0.9990		0.9900
Benzo(g,h,i)perylene	0.6567 1.0319	0.8361	0.9603	0.9895	0.9829	Ave		0.9096				15.0		15.0			
2-Fluorophenol	1.4432 1.4869	1.5160	1.5134	1.5036	1.4606	Ave		1.4873				2.0		15.0			
Phenol-d5	1.8626 1.8102	1.8498	1.8732	1.8825	1.8000	Ave		1.8464				1.8		15.0			
Nitrobenzene-d5	0.3344 0.3728	0.3766	0.3829	0.3926	0.3826	Ave		0.3737				5.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 30276

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/07/2011 12:10 Calibration End Date: 09/07/2011 14:40 Calibration ID: 3837

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Fluorobiphenyl	1.3345 1.0956	1.2536	1.2400	1.2299	1.1583	Ave		1.2186				6.8		15.0			
2,4,6-Tribromophenol	0.0806 0.0971	0.0965	0.0971	0.0990	0.0988	Ave		0.0949				7.4		15.0			
p-Terphenyl-d14	0.8278 0.8048	0.8395	0.8474	0.8735	0.8382	Ave		0.8385				2.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 30276

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/07/2011 12:10 Calibration End Date: 09/07/2011 14:40 Calibration ID: 3837

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-30276/7	W4787.D
Level 2	IC 480-30276/6	W4786.D
Level 3	ICIS 480-30276/5	W4785.D
Level 4	IC 480-30276/4	W4784.D
Level 5	IC 480-30276/3	W4783.D
Level 6	IC 480-30276/2	W4782.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
N-Nitrosodimethylamine	DCB	Ave	11319 372178	46476	113988	183457	274543	5.00 160	20.0	50.0	80.0	120
Pyridine	DCB	Ave	19116 635177	78343	188901	305390	461628	5.00 160	20.0	50.0	80.0	120
Phenol	DCB	Ave	31359 949509	127122	304824	493929	703928	5.00 160	20.0	50.0	80.0	120
Aniline	DCB	Ave	35402 1121646	140769	339342	556315	823350	5.00 160	20.0	50.0	80.0	120
Bis(2-chloroethyl)ether	DCB	Ave	22500 722619	92104	224428	358507	525379	5.00 160	20.0	50.0	80.0	120
2-Chlorophenol	DCB	Ave	22383 693811	92746	224587	360558	514157	5.00 160	20.0	50.0	80.0	120
1,3-Dichlorobenzene	DCB	Ave	23675 693724	93169	230401	371822	536194	5.00 160	20.0	50.0	80.0	120
1,4-Dichlorobenzene	DCB	Ave	24224 711770	97738	237909	378349	537971	5.00 160	20.0	50.0	80.0	120
Benzyl alcohol	DCB	Ave	14149 468024	58883	149684	239392	345329	5.00 160	20.0	50.0	80.0	120
1,2-Dichlorobenzene	DCB	Ave	22964 663636	92590	221245	355534	503485	5.00 160	20.0	50.0	80.0	120
2-Methylphenol	DCB	Ave	18980 625793	80275	199349	322163	463713	5.00 160	20.0	50.0	80.0	120
bis (2-chloroisopropyl) ether	DCB	Ave	30760 985915	125216	300013	476056	713160	5.00 160	20.0	50.0	80.0	120
N-Nitrosodi-n-propylamine	DCB	Ave	14891 479001	61410	154628	247653	348405	5.00 160	20.0	50.0	80.0	120
4-Methylphenol	DCB	Ave	19992 612105	82893	200663	319209	446618	5.00 160	20.0	50.0	80.0	120
Hexachloroethane	DCB	Ave	8740 277440	35012	90771	141908	210114	5.00 160	20.0	50.0	80.0	120
Nitrobenzene	NPT	Ave	21424 738889	92478	232236	375508	538129	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 30276

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/07/2011 12:10 Calibration End Date: 09/07/2011 14:40 Calibration ID: 3837

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Isophorone	NPT	Ave	39544 1291705	159118	403311	660219	934806	5.00 160	20.0	50.0	80.0	120
2-Nitrophenol	NPT	Ave	7958 344739	40266	106907	176508	251725	5.00 160	20.0	50.0	80.0	120
2,4-Dimethylphenol	NPT	Ave	21337 680904	87704	213978	350206	496882	5.00 160	20.0	50.0	80.0	120
Tetraethyl lead	NPT	Ave	7823 215942	31996	72598	120188	163546	5.00 160	20.0	50.0	80.0	120
Bis (2-chloroethoxy)methane	NPT	Ave	26242 761644	100060	243317	394818	556537	5.00 160	20.0	50.0	80.0	120
Benzoic acid	NPT	Ave	294306 1658391	356293	469972	835293	1173665	100 480	120	150	240	360
2,4-Dichlorophenol	NPT	Ave	15925 488877	62819	161588	261748	360241	5.00 160	20.0	50.0	80.0	120
1,2,4-Trichlorobenzene	NPT	Ave	19163 554899	74512	183072	294964	412491	5.00 160	20.0	50.0	80.0	120
Naphthalene	NPT	Ave	64320 1817032	252994	602123	962749	1345897	5.00 160	20.0	50.0	80.0	120
4-Chloroaniline	NPT	Ave	25829 803439	102498	256563	412908	585350	5.00 160	20.0	50.0	80.0	120
Hexachlorobutadiene	NPT	Ave	10415 296256	41394	98891	160961	218446	5.00 160	20.0	50.0	80.0	120
4-Chloro-3-methylphenol	NPT	Ave	17575 569552	72121	184054	296903	420947	5.00 160	20.0	50.0	80.0	120
2-Methylnaphthalene	NPT	Ave	40056 1147604	152017	381677	609795	843965	5.00 160	20.0	50.0	80.0	120
Hexachlorocyclopentadiene	ANT	Ave	7710 351190	40557	107898	179444	255851	5.00 160	20.0	50.0	80.0	120
2,4,6-Trichlorophenol	ANT	Ave	9890 349342	42906	113405	183911	258924	5.00 160	20.0	50.0	80.0	120
2,4,5-Trichlorophenol	ANT	Ave	10703 372332	47801	122314	200451	281583	5.00 160	20.0	50.0	80.0	120
2-Chloronaphthalene	ANT	Ave	38316 1097528	150345	372177	586860	822784	5.00 160	20.0	50.0	80.0	120
2-Nitroaniline	ANT	Ave	9357 409716	44104	127357	211727	295485	5.00 160	20.0	50.0	80.0	120
Dimethyl phthalate	ANT	Ave	42339 1277684	163751	427089	689238	951599	5.00 160	20.0	50.0	80.0	120
2,6-Dinitrotoluene	ANT	Ave	7269 305793	33888	94615	156011	224277	5.00 160	20.0	50.0	80.0	120
Acenaphthylene	ANT	Ave	53112 1652944	219527	550400	891863	1236752	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 30276

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/07/2011 12:10 Calibration End Date: 09/07/2011 14:40 Calibration ID: 3837

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
3-Nitroaniline	ANT	Ave	8693 358308	40461	112991	182979	260914	5.00 160	20.0	50.0	80.0	120
Acenaphthene	ANT	Ave	39665 1104570	151306	378511	599218	822969	5.00 160	20.0	50.0	80.0	120
2,4-Dinitrophenol	ANT	Lin1	3464 174092	11609	46974	87740	128836	10.0 160	20.0	50.0	80.0	120
4-Nitrophenol	ANT	Ave	10239 219840	24913	70284	115662	165949	10.0 160	20.0	50.0	80.0	120
2,4-Dinitrotoluene	ANT	Ave	9581 389585	47656	132765	219483	299843	5.00 160	20.0	50.0	80.0	120
Dibenzofuran	ANT	Ave	53891 1454668	205834	516904	812599	1106615	5.00 160	20.0	50.0	80.0	120
Diethyl phthalate	ANT	Ave	38680 1177133	158298	419977	671102	906060	5.00 160	20.0	50.0	80.0	120
Fluorene	ANT	Ave	42103 1109890	167432	411810	632212	851849	5.00 160	20.0	50.0	80.0	120
4-Chlorophenyl phenyl ether	ANT	Ave	22834 569693	85964	209476	321994	435612	5.00 160	20.0	50.0	80.0	120
4-Nitroaniline	ANT	Ave	10065 364448	43897	124360	190885	260256	5.00 160	20.0	50.0	80.0	120
4,6-Dinitro-2-methylphenol	PHN	Lin1	8656 267439	23507	82624	140180	200468	10.0 160	20.0	50.0	80.0	120
N-Nitrosodiphenylamine	PHN	Ave	29805 903862	117050	305595	502900	684464	5.00 160	20.0	50.0	80.0	120
1,2-Diphenylhydrazine	ANT	Ave	44383 1386993	181931	470834	753286	1045937	5.00 160	20.0	50.0	80.0	120
4-Bromophenyl phenyl ether	PHN	Ave	11196 330192	43321	115269	185792	258132	5.00 160	20.0	50.0	80.0	120
Hexachlorobenzene	PHN	Ave	12348 358072	47226	122105	197473	268120	5.00 160	20.0	50.0	80.0	120
Pentachlorophenol	PHN	Ave	10757 233360	24827	75630	128125	172889	10.0 160	20.0	50.0	80.0	120
Phenanthrene	PHN	Ave	72508 1800021	264558	664995	1064606	1419624	5.00 160	20.0	50.0	80.0	120
Anthracene	PHN	Ave	66909 1867564	269003	685059	1093833	1465732	5.00 160	20.0	50.0	80.0	120
Carbazole	PHN	Ave	58425 1658338	233156	614171	950618	1304372	5.00 160	20.0	50.0	80.0	120
Di-n-butyl phthalate	PHN	Ave	60498 1975765	269560	722693	1140354	1569590	5.00 160	20.0	50.0	80.0	120
Fluoranthene	PHN	Ave	70411 1994278	281526	731867	1146350	1553035	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 30276

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/07/2011 12:10 Calibration End Date: 09/07/2011 14:40 Calibration ID: 3837

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Benzidine	CRY	Ave	30395 1131595	145414	376961	641441	865801	5.00 160	20.0	50.0	80.0	120
Pyrene	CRY	Ave	75282 2044906	295239	754421	1174715	1596840	5.00 160	20.0	50.0	80.0	120
Butyl benzyl phthalate	CRY	Ave	26268 870354	125779	333863	508363	693053	5.00 160	20.0	50.0	80.0	120
3,3'-Dichlorobenzidine	CRY	Ave	18628 704665	92194	256234	393858	535799	5.00 160	20.0	50.0	80.0	120
Bis(2-ethylhexyl) phthalate	CRY	Ave	36108 1255807	171699	458960	742713	991340	5.00 160	20.0	50.0	80.0	120
Benzo(a)anthracene	CRY	Ave	65320 1801779	258633	653345	1048639	1432189	5.00 160	20.0	50.0	80.0	120
Chrysene	CRY	Ave	74373 1862134	275699	697913	1077727	1460564	5.00 160	20.0	50.0	80.0	120
Di-n-octyl phthalate	CRY	Lin1	37613 2146502	246454	735298	1171093	1689938	5.00 160	20.0	50.0	80.0	120
Benzo(b)fluoranthene	PRY	Ave	44340 1865064	208003	588056	992562	1356136	5.00 160	20.0	50.0	80.0	120
Benzo(k)fluoranthene	PRY	Ave	72478 1999455	320820	752263	1114894	1542002	5.00 160	20.0	50.0	80.0	120
Benzo(a)pyrene	PRY	Ave	39112 1683021	195361	526017	846538	1237423	5.00 160	20.0	50.0	80.0	120
Indeno(1,2,3-cd)pyrene	PRY	Lin1	36048 2216383	224153	645078	1064548	1536221	5.00 160	20.0	50.0	80.0	120
Dibenz(a,h)anthracene	PRY	Lin1	29019 1835235	185199	529433	886097	1271439	5.00 160	20.0	50.0	80.0	120
Benzo(g,h,i)perylene	PRY	Ave	37727 1800682	189034	531479	864717	1233709	5.00 160	20.0	50.0	80.0	120
2-Fluorophenol	DCB	Ave	20849 701592	88722	217358	345014	508113	5.00 160	20.0	50.0	80.0	120
Phenol-d5	DCB	Ave	26909 854148	108258	269034	431971	626164	5.00 160	20.0	50.0	80.0	120
Nitrobenzene-d5	NPT	Ave	20354 740428	90486	227347	373748	539201	5.00 160	20.0	50.0	80.0	120
2-Fluorobiphenyl	ANT	Ave	43323 1184417	165505	409003	652836	908278	5.00 160	20.0	50.0	80.0	120
2,4,6-Tribromophenol	PHN	Ave	4722 176191	21715	57410	95113	133466	5.00 160	20.0	50.0	80.0	120
p-Terphenyl-d14	CRY	Ave	47463 1369728	189374	492023	776103	1060118	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 30276
SDG No.: _____
Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 09/07/2011 12:10 Calibration End Date: 09/07/2011 14:40 Calibration ID: 3837

Curve Type Legend:

Ave = Average ISTD Lin1 = Linear 1/conc ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4782.D
 Lims ID: IC 160 Client ID:
 Inject. Date: 07-Sep-2011 12:10:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 8270-160
 Misc. Info.: 8270-160
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 30276 Lims Sample ID: 2
 Sublist: chrom-W-8270*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W-8270.m
 Last Update: 08-Sep-2011 09:25:10 Calib Date: 07-Sep-2011 19:22:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4799.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

Date: 08-Sep-2011 09:17:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.057	6.057	0.0	98	117965	40.0	
* 2 Naphthalene-d8	136	7.740	7.734	0.006	100	496502	40.0	
* 3 Acenaphthene-d10	164	10.005	10.004	0.001	98	270263	40.0	
* 4 Phenanthrene-d10	188	11.698	11.693	0.005	98	453627	40.0	
* 5 Chrysene-d12	240	14.182	14.182	0.0	87	425479	40.0	
* 6 Perylene-d12	264	15.529	15.518	0.011	96	436239	40.0	
\$ 7 2-Fluorophenol	112	4.299	4.294	0.005	95	701592	159.0	
\$ 8 Phenol-d5	99	5.571	5.554	0.017	95	854148	157.1	
\$ 9 Nitrobenzene-d5	82	6.794	6.783	0.011	96	740428	156.4	
\$ 10 2-Fluorobiphenyl	172	9.155	9.150	0.005	100	1184417	146.6	
\$ 11 2,4,6-Tribromophenol	330	10.945	10.939	0.006	92	176191	159.0	
\$ 12 p-Terphenyl-d14	244	13.237	13.231	0.006	99	1369728	153.1	
53 N-Nitrosodimethylamine	42	2.590	2.589	0.001	89	372178	159.1	
52 Pyridine	52	2.659	2.654	0.005	92	635177	161.7	
72 Phenol	94	5.587	5.576	0.011	98	949509	156.0	
69 Aniline	93	5.613	5.608	0.005	61	1121646	159.6	
74 Bis(2-chloroethyl)ether	93	5.704	5.693	0.011	96	722619	158.3	
75 2-Chlorophenol	128	5.779	5.773	0.006	93	693811	153.4	
78 1,3-Dichlorobenzene	146	5.987	5.982	0.005	96	693724	150.2	
77 1,4-Dichlorobenzene	146	6.078	6.078	0.0	91	711770	150.3	
79 Benzyl alcohol	108	6.244	6.233	0.011	92	468024	156.3	
73 1,2-Dichlorobenzene	146	6.286	6.281	0.005	88	663636	149.5	
82 2-Methylphenol	108	6.404	6.393	0.011	96	625793	155.5	
83 2,2'-oxybis[1-chloropropane]	45	6.436	6.431	0.005	93	985915	160.1	
88 4-Methylphenol	108	6.618	6.601	0.017	95	612105	152.9	
87 N-Nitrosodi-n-propylamine	70	6.612	6.601	0.011	74	479001	155.5	
89 Hexachloroethane	117	6.741	6.735	0.006	97	277440	154.7	
85 Nitrobenzene	77	6.821	6.810	0.011	88	738889	154.7	
94 Isophorone	82	7.147	7.130	0.017	96	1291705	155.4	
97 2-Nitrophenol	139	7.243	7.237	0.006	97	344739	156.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
99 2,4-Dimethylphenol	107	7.318	7.307	0.011	96	680904	153.3	
101 Tetraethyl lead	237	7.392	7.387	0.005	93	215942	143.4	
103 Bis(2-chloroethoxy)methane	93	7.435	7.430	0.005	99	761644	151.9	
105 Benzoic acid	105	7.595	7.494	0.101	82	1658391	492.2	
106 2,4-Dichlorophenol	162	7.563	7.552	0.011	95	488877	150.3	
100 1,2,4-Trichlorobenzene	180	7.675	7.670	0.005	93	554899	149.0	
107 Naphthalene	128	7.772	7.761	0.011	97	1817032	147.9	
108 4-Chloroaniline	127	7.841	7.836	0.005	83	803439	153.2	
110 Hexachlorobutadiene	225	7.959	7.953	0.006	96	296256	146.9	
117 4-Chloro-3-methylphenol	107	8.487	8.477	0.010	97	569552	152.2	
121 2-Methylnaphthalene	142	8.674	8.669	0.005	85	1147604	149.5	
125 Hexachlorocyclopentadiene	237	8.899	8.893	0.006	97	351190	160.1	
127 2,4,6-Trichlorophenol	196	9.043	9.038	0.005	90	349342	154.9	
129 2,4,5-Trichlorophenol	196	9.086	9.075	0.011	93	372332	151.9	
131 2-Chloronaphthalene	162	9.300	9.289	0.011	98	1097528	149.4	
132 2-Nitroaniline	65	9.433	9.422	0.011	80	409716	161.7	
134 Dimethyl phthalate	163	9.684	9.673	0.011	98	1277684	151.8	
135 2,6-Dinitrotoluene	165	9.748	9.737	0.011	93	305793	160.9	
137 Acenaphthylene	152	9.828	9.823	0.005	91	1652944	150.7	
140 3-Nitroaniline	138	9.962	9.946	0.016	92	358308	159.9	
141 Acenaphthene	153	10.053	10.042	0.011	93	1104570	148.8	
142 2,4-Dinitrophenol	184	10.090	10.079	0.011	58	174092	162.8	
143 4-Nitrophenol	109	10.181	10.159	0.022	92	219840	157.2	
144 2,4-Dinitrotoluene	165	10.256	10.240	0.016	76	389585	150.2	
145 Dibenzofuran	168	10.266	10.256	0.010	84	1454668	145.2	
149 Diethyl phthalate	149	10.555	10.544	0.011	96	1177133	145.6	
151 Fluorene	166	10.672	10.662	0.010	82	1109890	141.1	
152 4-Chlorophenyl phenyl ether	204	10.672	10.667	0.005	76	569693	141.7	
153 4-Nitroaniline	138	10.705	10.688	0.017	44	364448	155.2	
154 4,6-Dinitro-2-methylphenol	198	10.742	10.726	0.016	57	267439	171.9	
157 N-Nitrosodiphenylamine	169	10.811	10.800	0.011	94	903862	155.3	
159 1,2-Diphenylhydrazine	77	10.854	10.849	0.005	96	1386993	150.0	
164 4-Bromophenyl phenyl ether	248	11.223	11.217	0.006	93	330192	152.6	
168 Hexachlorobenzene	284	11.303	11.297	0.006	91	358072	155.1	
172 Pentachlorophenol	266	11.511	11.500	0.011	85	233360	163.8	
177 Phenanthrene	178	11.725	11.714	0.011	97	1800021	145.6	
180 Anthracene	178	11.778	11.767	0.011	97	1867564	146.8	
181 Carbazole	167	11.944	11.933	0.011	83	1658338	147.9	
184 Di-n-butyl phthalate	149	12.291	12.286	0.005	100	1975765	148.7	
191 Fluoranthene	202	12.895	12.884	0.011	98	1994278	148.2	
192 Benzidine	184	13.007	13.001	0.006	99	1131595	156.4	
193 Pyrene	202	13.103	13.098	0.005	97	2044906	151.2	
200 Butyl benzyl phthalate	149	13.664	13.653	0.011	98	870354	148.3	
204 3,3'-Dichlorobenzidine	252	14.134	14.129	0.005	95	704665	153.9	
206 Bis(2-ethylhexyl) phthalate	149	14.150	14.145	0.005	97	1255807	150.0	
205 Benzo[a]anthracene	228	14.172	14.161	0.011	93	1801779	150.7	
207 Chrysene	228	14.204	14.193	0.011	94	1862134	150.1	
208 Di-n-octyl phthalate	149	14.706	14.695	0.011	100	2146502	155.8	
209 Benzo[b]fluoranthene	252	15.149	15.138	0.011	93	1865064	157.3	
211 Benzo[k]fluoranthene	252	15.176	15.165	0.011	99	1999455	142.6	
213 Benzo[a]pyrene	252	15.480	15.464	0.016	99	1683021	163.0	
215 Indeno[1,2,3-cd]pyrene	276	16.757	16.725	0.032	86	2216383	173.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
216 Dibenz(a,h)anthracene	278	16.763	16.730	0.033	56	1835235	166.8	
217 Benzo[g,h,i]perylene	276	17.110	17.078	0.032	91	1800682	172.0	
S 218 3 & 4 Methylphenol	108				0		152.9	
S 219 3-Methylphenol	1				0		152.9	
S 220 Total Cresols	1				0		308.4	

Report Date: 08-Sep-2011 09:25:11

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4782.D

Injection Date: 07-Sep-2011 12:10:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973W

Lims Batch ID: 30276

Lims Sample ID: 2

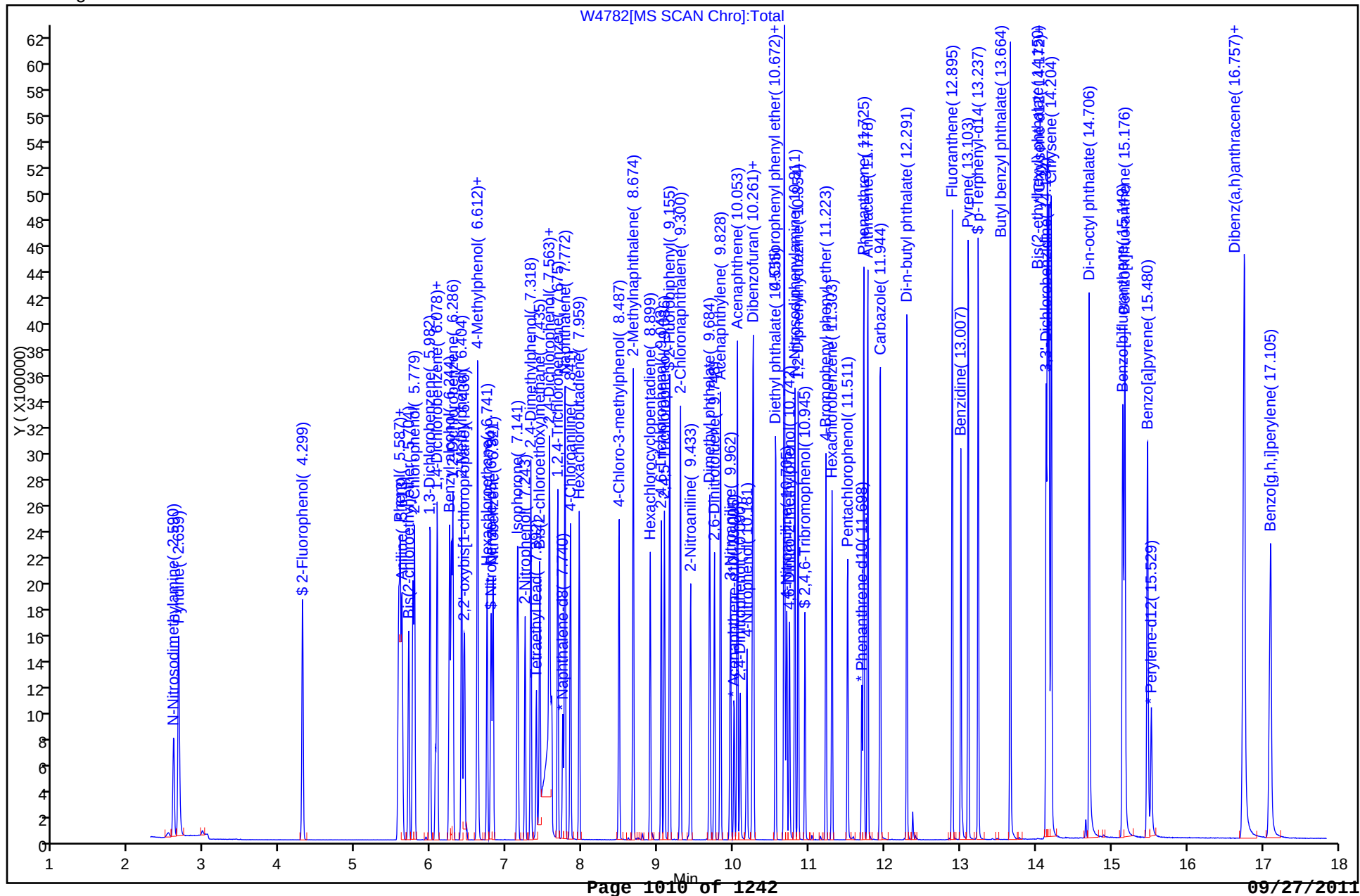
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4783.D
 Lims ID: IC 120 Client ID:
 Inject. Date: 07-Sep-2011 13:06:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 480-0005793-003
 Misc. Info.: IC 120
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 30276 Lims Sample ID: 3
 Sublist: chrom-W-8270*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W-8270.m
 Last Update: 08-Sep-2011 09:25:01 Calib Date: 07-Sep-2011 19:22:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4799.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

Date: 08-Sep-2011 09:19:13

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.057	6.057	0.0	98	115958	40.0	
* 2 Naphthalene-d8	136	7.739	7.734	0.005	100	469729	40.0	
* 3 Acenaphthene-d10	164	10.005	10.004	0.001	99	261391	40.0	
* 4 Phenanthrene-d10	188	11.693	11.693	0.0	99	450211	40.0	
* 5 Chrysene-d12	240	14.177	14.177	0.0	76	421606	40.0	
* 6 Perylene-d12	264	15.528	15.518	0.010	97	418373	40.0	
\$ 7 2-Fluorophenol	112	4.294	4.294	0.0	95	508113	117.2	
\$ 8 Phenol-d5	99	5.565	5.554	0.011	95	626164	117.2	
\$ 9 Nitrobenzene-d5	82	6.789	6.783	0.006	95	539201	120.4	
\$ 10 2-Fluorobiphenyl	172	9.155	9.150	0.005	100	908278	116.3	
\$ 11 2,4,6-Tribromophenol	330	10.945	10.939	0.006	87	133466	121.4	
\$ 12 p-Terphenyl-d14	244	13.237	13.231	0.006	99	1060118	77.7	
53 N-Nitrosodimethylamine	42	2.590	2.589	0.001	89	274543	119.4	
52 Pyridine	52	2.659	2.654	0.005	91	461628	119.6	
72 Phenol	94	5.587	5.576	0.011	98	703928	117.7	
69 Aniline	93	5.608	5.608	0.0	66	823350	119.2	
74 Bis(2-chloroethyl)ether	93	5.699	5.693	0.006	96	525379	117.1	
75 2-Chlorophenol	128	5.779	5.773	0.006	94	514157	115.6	
78 1,3-Dichlorobenzene	146	5.982	5.982	0.0	95	536194	118.1	
77 1,4-Dichlorobenzene	146	6.078	6.078	0.0	91	537971	115.5	
79 Benzyl alcohol	108	6.238	6.233	0.005	90	345329	117.3	
73 1,2-Dichlorobenzene	146	6.286	6.281	0.005	90	503485	115.4	
82 2-Methylphenol	108	6.399	6.393	0.006	96	463713	117.2	
83 2,2'-oxybis[1-chloropropane]	45	6.436	6.431	0.005	64	713160	117.8	
88 4-Methylphenol	108	6.612	6.601	0.011	94	446618	113.5	
87 N-Nitrosodi-n-propylamine	70	6.607	6.601	0.006	78	348405	115.1	
89 Hexachloroethane	117	6.740	6.735	0.005	96	210114	119.2	
85 Nitrobenzene	77	6.815	6.810	0.005	89	538129	119.1	
94 Isophorone	82	7.141	7.130	0.011	96	934806	118.9	
97 2-Nitrophenol	139	7.243	7.237	0.006	97	251725	121.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
99 2,4-Dimethylphenol	107	7.317	7.307	0.010	96	496882	118.3	
101 Tetraethyl lead	237	7.387	7.387	0.0	92	163546	114.8	
103 Bis(2-chloroethoxy)methane	93	7.435	7.430	0.005	99	556537	117.3	
105 Benzoic acid	105	7.558	7.494	0.064	61	1173665	368.2	
106 2,4-Dichlorophenol	162	7.558	7.552	0.006	96	360241	117.1	
100 1,2,4-Trichlorobenzene	180	7.670	7.670	0.0	93	412491	117.1	
107 Naphthalene	128	7.766	7.761	0.005	96	1345897	115.8	
108 4-Chloroaniline	127	7.841	7.836	0.005	82	585350	118.0	
110 Hexachlorobutadiene	225	7.959	7.953	0.005	96	218446	114.5	
117 4-Chloro-3-methylphenol	107	8.482	8.477	0.005	96	420947	118.9	
121 2-Methylnaphthalene	142	8.674	8.669	0.005	86	843965	116.2	
125 Hexachlorocyclopentadiene	237	8.899	8.893	0.006	97	255851	120.6	
127 2,4,6-Trichlorophenol	196	9.043	9.038	0.005	91	258924	118.7	
129 2,4,5-Trichlorophenol	196	9.086	9.075	0.011	94	281583	118.8	
131 2-Chloronaphthalene	162	9.294	9.289	0.005	99	822784	115.8	
132 2-Nitroaniline	65	9.428	9.422	0.006	80	295485	120.6	
134 Dimethyl phthalate	163	9.684	9.673	0.011	98	951599	116.9	
135 2,6-Dinitrotoluene	165	9.743	9.737	0.006	87	224277	122.0	
137 Acenaphthylene	152	9.828	9.823	0.005	90	1236752	116.6	
140 3-Nitroaniline	138	9.957	9.946	0.010	91	260914	120.4	
141 Acenaphthene	153	10.047	10.042	0.005	93	822969	114.6	
142 2,4-Dinitrophenol	184	10.085	10.079	0.006	60	128836	124.6	
143 4-Nitrophenol	109	10.170	10.159	0.011	94	165949	122.7	
144 2,4-Dinitrotoluene	165	10.250	10.240	0.010	90	299843	119.5	
145 Dibenzofuran	168	10.261	10.256	0.005	88	1106615	114.2	
149 Diethyl phthalate	149	10.555	10.544	0.011	97	906060	115.9	
151 Fluorene	166	10.667	10.662	0.005	91	851849	112.0	
152 4-Chlorophenyl phenyl ether	204	10.672	10.667	0.005	81	435612	112.0	
153 4-Nitroaniline	138	10.699	10.688	0.011	46	260256	114.6	
154 4,6-Dinitro-2-methylphenol	198	10.736	10.726	0.010	72	200468	129.8	
157 N-Nitrosodiphenylamine	169	10.806	10.800	0.006	97	684464	118.5	
159 1,2-Diphenylhydrazine	77	10.854	10.849	0.005	95	1045937	117.0	
164 4-Bromophenyl phenyl ether	248	11.223	11.217	0.006	97	258132	120.2	
168 Hexachlorobenzene	284	11.303	11.297	0.006	91	268120	117.0	
172 Pentachlorophenol	266	11.506	11.500	0.006	87	172889	122.3	
177 Phenanthrene	178	11.719	11.714	0.005	97	1419624	115.7	
180 Anthracene	178	11.773	11.767	0.006	98	1465732	116.1	
181 Carbazole	167	11.938	11.933	0.005	83	1304372	117.2	
184 Di-n-butyl phthalate	149	12.291	12.286	0.005	100	1569590	119.0	
191 Fluoranthene	202	12.895	12.884	0.011	98	1553035	116.3	
192 Benzidine	184	13.007	13.001	0.006	99	865801	77.9	
193 Pyrene	202	13.103	13.098	0.005	97	1596840	77.8	
200 Butyl benzyl phthalate	149	13.664	13.653	0.011	97	693053	78.3	
204 3,3'-Dichlorobenzidine	252	14.134	14.129	0.005	95	535799	76.6	
206 Bis(2-ethylhexyl) phthalate	149	14.150	14.145	0.005	97	991340	78.2	
205 Benzo[a]anthracene	228	14.166	14.161	0.005	97	1432189	79.0	
207 Chrysene	228	14.204	14.193	0.011	94	1460564	77.8	
208 Di-n-octyl phthalate	149	14.706	14.695	0.011	99	1689938	79.9	
209 Benzo[b]fluoranthene	252	15.144	15.138	0.006	93	1356136	119.3	
211 Benzo[k]fluoranthene	252	15.171	15.165	0.006	99	1542002	114.7	
213 Benzo[a]pyrene	252	15.475	15.464	0.011	99	1237423	125.0	
215 Indeno[1,2,3-cd]pyrene	276	16.746	16.725	0.021	90	1536221	125.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
216 Dibenz(a,h)anthracene	278	16.752	16.730	0.022	54	1271439	120.5	
217 Benzo[g,h,i]perylene	276	17.099	17.078	0.021	91	1233709	122.8	
S 218 3 & 4 Methylphenol	108				0		113.5	
S 219 3-Methylphenol	1				0		113.5	
S 220 Total Cresols	1				0		230.7	

Report Date: 08-Sep-2011 09:25:02

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4783.D

Injection Date: 07-Sep-2011 13:06:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973W

Lims Batch ID: 30276

Lims Sample ID: 3

Operator ID: KLP

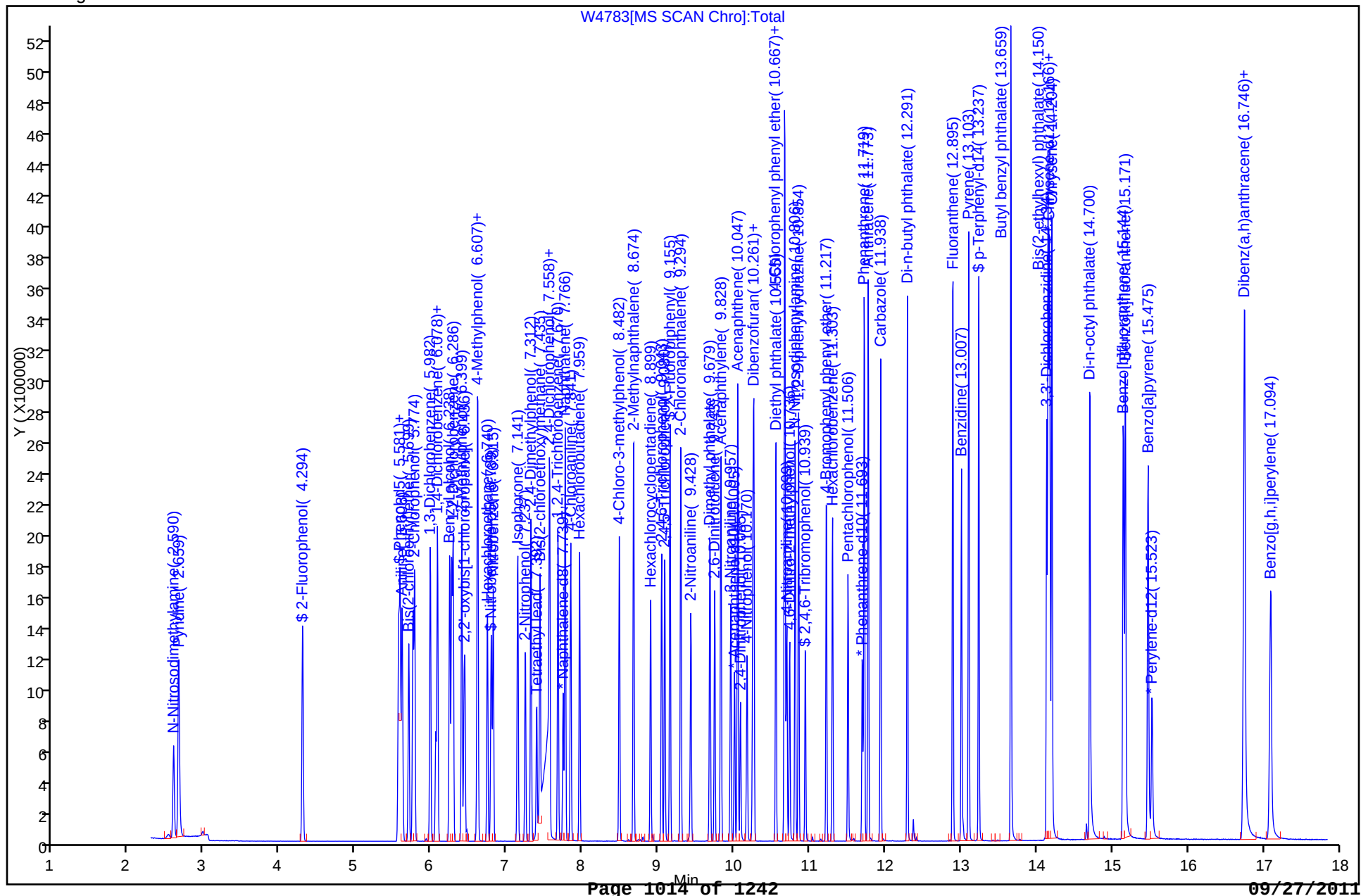
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

W4783[MS SCAN Chro]:Total



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4784.D
 Lims ID: IC 80 Client ID:
 Inject. Date: 07-Sep-2011 13:29:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 480-0005793-004
 Misc. Info.: IC 80 =IC 80
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 30276 Lims Sample ID: 4
 Sublist: chrom-W-8270*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W-8270.m
 Last Update: 08-Sep-2011 09:24:51 Calib Date: 07-Sep-2011 19:22:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4799.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

Date: 08-Sep-2011 09:22:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.051	6.057	-0.006	98	114731	40.0	
* 2 Naphthalene-d8	136	7.734	7.734	0.0	100	476039	40.0	
* 3 Acenaphthene-d10	164	10.005	10.004	0.001	98	265401	40.0	
* 4 Phenanthrene-d10	188	11.693	11.693	0.0	99	480192	40.0	
* 5 Chrysene-d12	240	14.172	14.172	0.0	85	444240	40.0	
* 6 Perylene-d12	264	15.518	15.518	0.0	96	436962	40.0	
\$ 7 2-Fluorophenol	112	4.294	4.294	0.0	96	345014	80.4	
\$ 8 Phenol-d5	99	5.560	5.554	0.006	96	431971	81.7	
\$ 9 Nitrobenzene-d5	82	6.789	6.783	0.006	96	373748	82.3	
\$ 10 2-Fluorobiphenyl	172	9.150	9.150	0.0	100	652836	82.3	
\$ 11 2,4,6-Tribromophenol	330	10.939	10.939	0.0	90	95113	81.1	
\$ 12 p-Terphenyl-d14	244	13.231	13.231	0.0	99	776103	35.8	
53 N-Nitrosodimethylamine	42	2.590	2.589	0.001	88	183457	80.7	
52 Pyridine	52	2.654	2.654	0.0	89	305390	80.0	
72 Phenol	94	5.581	5.576	0.005	98	493929	83.5	
69 Aniline	93	5.608	5.608	0.0	25	556315	81.4	
74 Bis(2-chloroethyl)ether	93	5.693	5.693	0.0	96	358507	80.7	
75 2-Chlorophenol	128	5.774	5.773	0.001	92	360558	82.0	
78 1,3-Dichlorobenzene	146	5.982	5.982	0.0	96	371822	82.8	
77 1,4-Dichlorobenzene	146	6.078	6.078	0.0	91	378349	82.1	
79 Benzyl alcohol	108	6.238	6.233	0.005	90	239392	82.2	
73 1,2-Dichlorobenzene	146	6.281	6.281	0.0	93	355534	82.4	
82 2-Methylphenol	108	6.399	6.393	0.006	96	322163	82.3	
83 2,2'-oxybis[1-chloropropane]	45	6.436	6.431	0.005	64	476056	79.5	
88 4-Methylphenol	108	6.607	6.601	0.006	94	319209	82.0	
87 N-Nitrosodi-n-propylamine	70	6.602	6.601	0.001	80	247653	82.7	
89 Hexachloroethane	117	6.735	6.735	0.0	98	141908	81.4	
85 Nitrobenzene	77	6.810	6.810	0.0	88	375508	82.0	
94 Isophorone	82	7.136	7.130	0.006	97	660219	82.8	
97 2-Nitrophenol	139	7.237	7.237	0.0	98	176508	83.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
99 2,4-Dimethylphenol	107	7.312	7.307	0.005	96	350206	82.3	
101 Tetraethyl lead	237	7.387	7.387	0.0	93	120188	83.3	
103 Bis(2-chloroethoxy)methane	93	7.430	7.430	0.0	99	394818	82.1	
105 Benzoic acid	105	7.531	7.494	0.037	86	835293	258.6	M
106 2,4-Dichlorophenol	162	7.558	7.552	0.006	83	261748	83.9	
100 1,2,4-Trichlorobenzene	180	7.670	7.670	0.0	93	294964	82.6	
107 Naphthalene	128	7.766	7.761	0.005	97	962749	81.7	
108 4-Chloroaniline	127	7.836	7.836	0.0	82	412908	82.1	
110 Hexachlorobutadiene	225	7.953	7.953	0.0	95	160961	83.3	
117 4-Chloro-3-methylphenol	107	8.477	8.477	0.0	96	296903	82.7	
121 2-Methylnaphthalene	142	8.669	8.669	0.0	86	609795	82.8	
125 Hexachlorocyclopentadiene	237	8.893	8.893	0.0	98	179444	83.3	
127 2,4,6-Trichlorophenol	196	9.038	9.038	0.0	90	183911	83.1	
129 2,4,5-Trichlorophenol	196	9.080	9.075	0.005	93	200451	83.3	
131 2-Chloronaphthalene	162	9.294	9.289	0.005	98	586860	81.3	
132 2-Nitroaniline	65	9.422	9.422	0.0	79	211727	85.1	
134 Dimethyl phthalate	163	9.679	9.673	0.006	98	689238	83.4	
135 2,6-Dinitrotoluene	165	9.737	9.737	0.0	91	156011	83.6	
137 Acenaphthylene	152	9.823	9.823	0.0	91	891863	82.8	
140 3-Nitroaniline	138	9.951	9.946	0.005	91	182979	83.2	
141 Acenaphthene	153	10.042	10.042	0.0	93	599218	82.2	
142 2,4-Dinitrophenol	184	10.079	10.079	0.0	60	87740	83.6	
143 4-Nitrophenol	109	10.165	10.159	0.006	94	115662	84.2	
144 2,4-Dinitrotoluene	165	10.245	10.240	0.005	91	219483	86.2	
145 Dibenzofuran	168	10.256	10.256	0.0	84	812599	82.6	
149 Diethyl phthalate	149	10.550	10.544	0.006	97	671102	84.6	
151 Fluorene	166	10.662	10.662	0.0	82	632212	81.8	
152 4-Chlorophenyl phenyl ether	204	10.667	10.667	0.0	79	321994	81.6	
153 4-Nitroaniline	138	10.694	10.688	0.006	50	190885	82.8	
154 4,6-Dinitro-2-methylphenol	198	10.731	10.726	0.005	85	140180	85.1	
157 N-Nitrosodiphenylamine	169	10.806	10.800	0.006	98	502900	81.6	
159 1,2-Diphenylhydrazine	77	10.849	10.849	0.0	98	753286	83.0	
164 4-Bromophenyl phenyl ether	248	11.217	11.217	0.0	95	185792	81.1	
168 Hexachlorobenzene	284	11.297	11.297	0.0	90	197473	80.8	
172 Pentachlorophenol	266	11.500	11.500	0.0	84	128125	84.9	
177 Phenanthrene	178	11.719	11.714	0.005	96	1064606	81.3	
180 Anthracene	178	11.768	11.767	0.001	97	1093833	81.2	
181 Carbazole	167	11.933	11.933	0.0	94	950618	80.1	
184 Di-n-butyl phthalate	149	12.286	12.286	0.0	100	1140354	81.1	
191 Fluoranthene	202	12.889	12.884	0.005	98	1146350	80.5	
192 Benzidine	184	13.002	13.001	0.001	99	641441	36.2	
193 Pyrene	202	13.098	13.098	0.0	97	1174715	35.9	
200 Butyl benzyl phthalate	149	13.659	13.653	0.006	98	508363	36.0	
204 3,3'-Dichlorobenzidine	252	14.129	14.129	0.0	93	393858	35.6	
206 Bis(2-ethylhexyl) phthalate	149	14.145	14.145	0.0	96	742713	36.7	
205 Benzo[a]anthracene	228	14.166	14.161	0.005	95	1048639	36.1	
207 Chrysene	228	14.198	14.193	0.005	93	1077727	36.1	
208 Di-n-octyl phthalate	149	14.700	14.695	0.005	99	1171093	34.5	
209 Benzo[b]fluoranthene	252	15.138	15.138	0.0	92	992562	83.6	
211 Benzo[k]fluoranthene	252	15.165	15.165	0.0	98	1114894	79.4	
213 Benzo[a]pyrene	252	15.464	15.464	0.0	100	846538	81.9	
215 Indeno[1,2,3-cd]pyrene	276	16.736	16.725	0.011	85	1064548	83.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
216 Dibenz(a,h)anthracene	278	16.736	16.730	0.006	56	886097	80.4	
217 Benzo[g,h,i]perylene	276	17.083	17.078	0.005	92	864717	82.4	
S 218 3 & 4 Methylphenol	108				0		82.0	
S 219 3-Methylphenol	1				0		82.0	
S 220 Total Cresols	1				0		164.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4784.D

Injection Date: 07-Sep-2011 13:29:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973W

Lims Batch ID: 30276

Lims Sample ID: 4

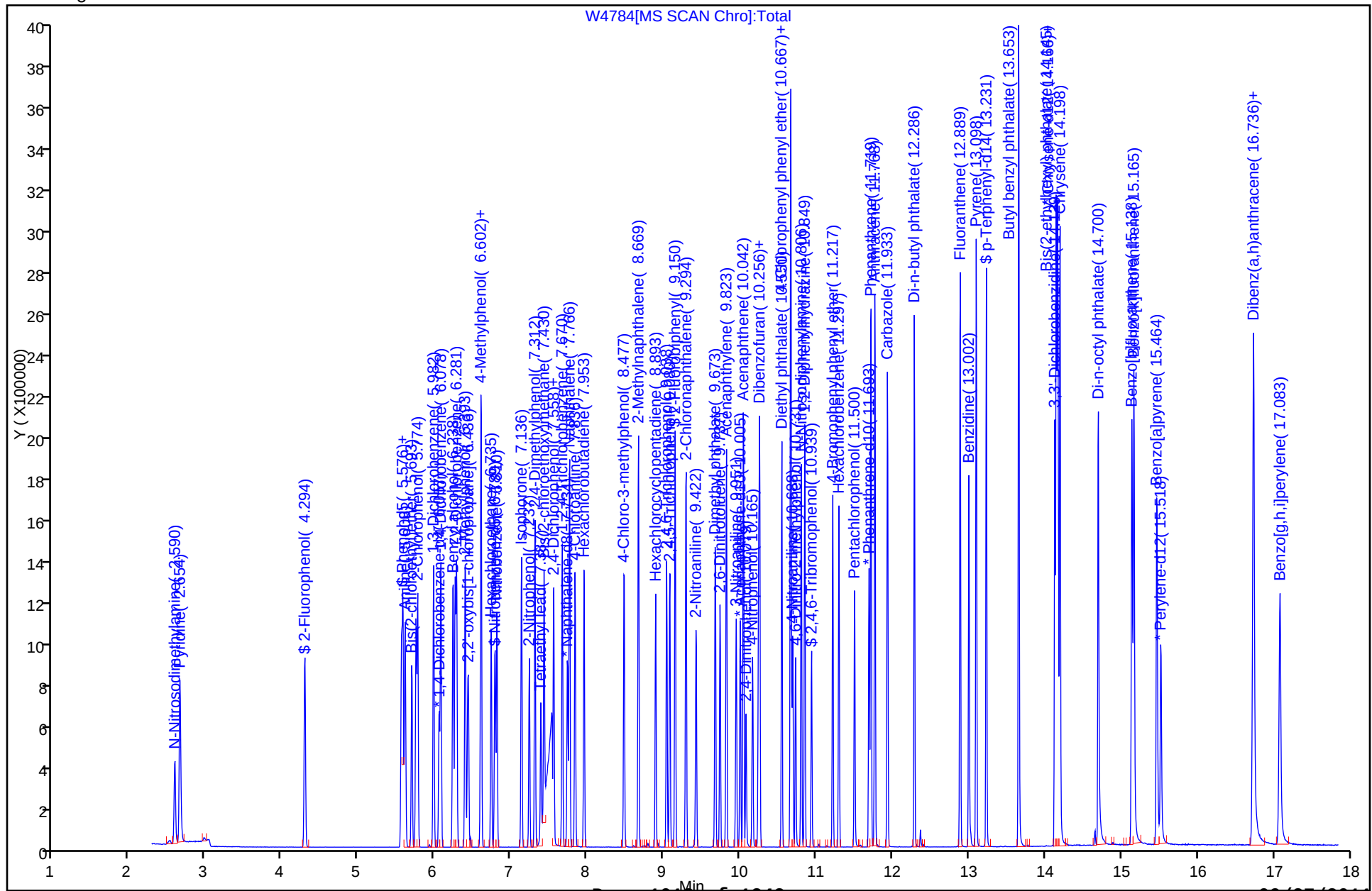
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

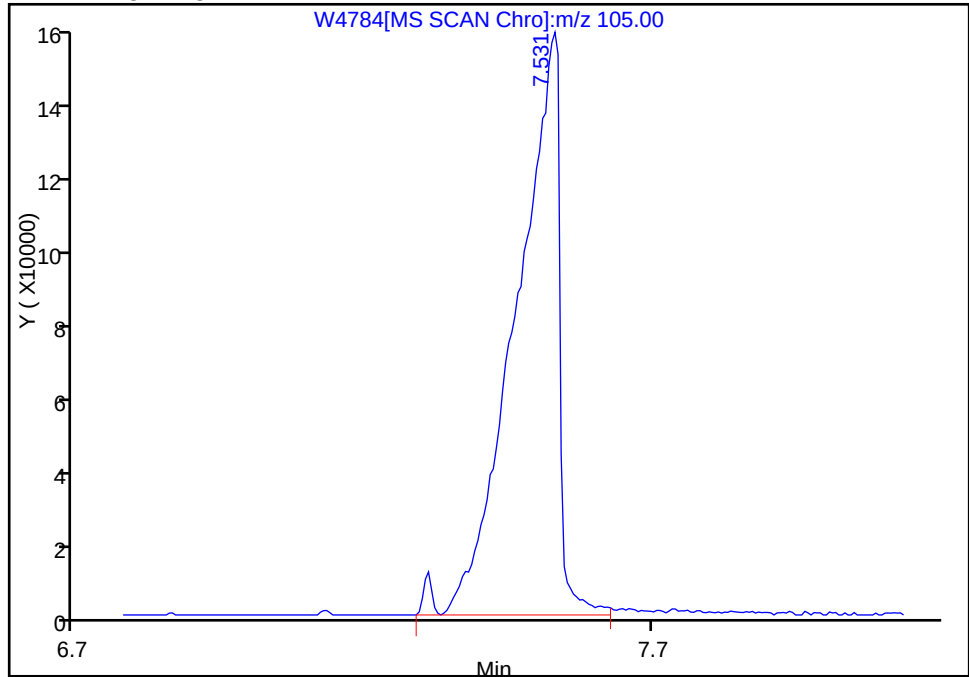


Data File:	\\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4784.D		
Injection Date:	07-Sep-2011 13:29:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973W
Lims Batch ID:	30276	Lims Sample ID:	4
Operator ID:	KLP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

105 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 7.49

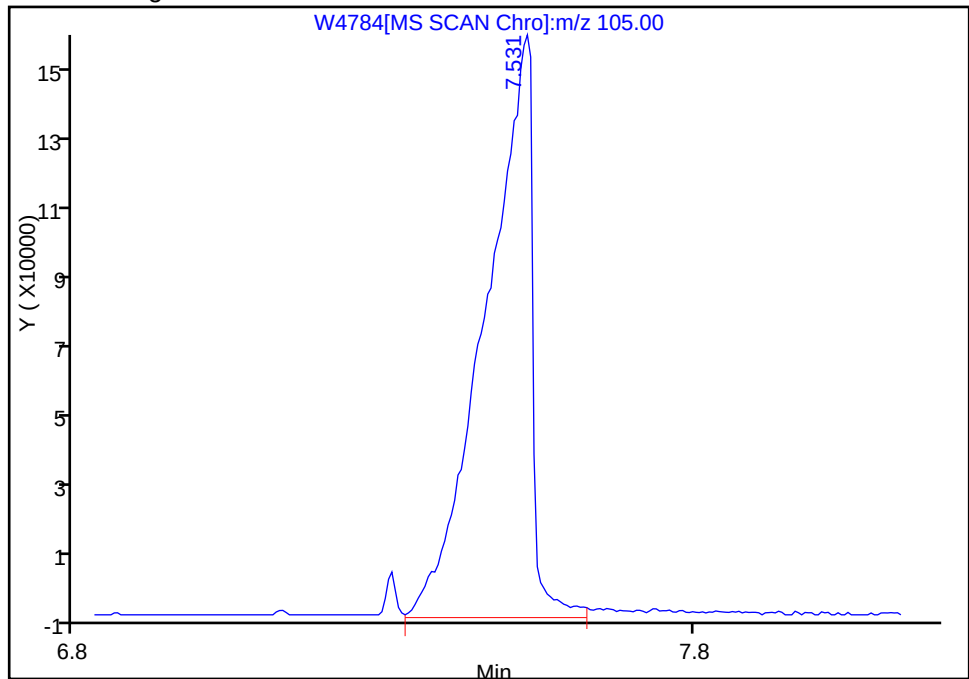
RT: 7.53
Response: 833239
Amount: 251.9546

Processing Integration Results



RT: 7.53
Response: 835293
Amount: 258.5522

Manual Integration Results



Reviewer: pfenderk, 08-Sep-2011 09:22:28

Audit Action: Manually Integrated

Audit Reason: Coelution

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4785.D
 Lims ID: ICIS 50 Client ID:
 Inject. Date: 07-Sep-2011 13:53:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 3
 Sample ID: 480-0005793-005
 Misc. Info.: ICIS 50 =ICIS 50
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 30276 Lims Sample ID: 5
 Sublist: chrom-W-8270*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W-8270.m
 Last Update: 08-Sep-2011 09:39:59 Calib Date: 07-Sep-2011 19:22:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4799.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

Date: 08-Sep-2011 09:39:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.057	6.057	0.0	96	114899	40.0	
* 2 Naphthalene-d8	136	7.734	7.734	0.0	100	474999	40.0	
* 3 Acenaphthene-d10	164	10.004	10.004	0.0	98	263882	40.0	
* 4 Phenanthrene-d10	188	11.693	11.693	0.0	98	473032	40.0	
* 5 Chrysene-d12	240	14.171	14.171	0.0	91	464528	40.0	
* 6 Perylene-d12	264	15.518	15.518	0.0	93	442781	40.0	
\$ 7 2-Fluorophenol	112	4.294	4.294	0.0	95	217358	50.9	
\$ 8 Phenol-d5	99	5.554	5.554	0.0	95	269034	50.7	
\$ 9 Nitrobenzene-d5	82	6.783	6.783	0.0	94	227347	51.2	
\$ 10 2-Fluorobiphenyl	172	9.150	9.150	0.0	100	409003	50.9	
\$ 11 2,4,6-Tribromophenol	330	10.939	10.939	0.0	84	57410	51.2	
\$ 12 p-Terphenyl-d14	244	13.231	13.231	0.0	100	492023	50.5	
53 N-Nitrosodimethylamine	42	2.589	2.589	0.0	84	113988	50.1	
52 Pyridine	52	2.654	2.654	0.0	92	188901	49.4	
72 Phenol	94	5.576	5.576	0.0	98	304824	50.3	M
69 Aniline	93	5.608	5.608	0.0	26	339342	49.3	
74 Bis(2-chloroethyl)ether	93	5.693	5.693	0.0	96	224428	50.4	
75 2-Chlorophenol	128	5.773	5.773	0.0	91	224587	50.9	
78 1,3-Dichlorobenzene	146	5.982	5.982	0.0	96	230401	50.8	
77 1,4-Dichlorobenzene	146	6.078	6.078	0.0	84	237909	51.2	
79 Benzyl alcohol	108	6.233	6.233	0.0	90	149684	51.6	
73 1,2-Dichlorobenzene	146	6.281	6.281	0.0	85	221245	50.7	
82 2-Methylphenol	108	6.393	6.393	0.0	96	199349	51.2	
83 2,2'-oxybis[1-chloropropane]	45	6.431	6.431	0.0	54	300013	49.8	
88 4-Methylphenol	108	6.601	6.601	0.0	94	200663	51.3	
87 N-Nitrosodi-n-propylamine	70	6.601	6.601	0.0	78	154628	51.7	
89 Hexachloroethane	117	6.735	6.735	0.0	98	90771	52.0	
85 Nitrobenzene	77	6.810	6.810	0.0	83	232236	51.5	
94 Isophorone	82	7.130	7.130	0.0	97	403311	51.0	
97 2-Nitrophenol	139	7.237	7.237	0.0	96	106907	53.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
99 2,4-Dimethylphenol	107	7.307	7.307	0.0	96	213978	50.5	
101 Tetraethyl lead	237	7.387	7.387	0.0	91	72598	49.9	
103 Bis(2-chloroethoxy)methane	93	7.430	7.430	0.0	99	243317	50.2	
105 Benzoic acid	105	7.494	7.494	0.0	84	469972	148.3	M
106 2,4-Dichlorophenol	162	7.552	7.552	0.0	96	161588	51.9	
100 1,2,4-Trichlorobenzene	180	7.670	7.670	0.0	92	183072	51.0	
107 Naphthalene	128	7.761	7.761	0.0	96	602123	50.7	
108 4-Chloroaniline	127	7.836	7.836	0.0	82	256563	51.1	
110 Hexachlorobutadiene	225	7.953	7.953	0.0	95	98891	50.8	
117 4-Chloro-3-methylphenol	107	8.477	8.477	0.0	97	184054	51.8	
121 2-Methylnaphthalene	142	8.669	8.669	0.0	85	381677	51.4	
125 Hexachlorocyclopentadiene	237	8.893	8.893	0.0	91	107898	52.7	
127 2,4,6-Trichlorophenol	196	9.038	9.038	0.0	91	113405	52.3	
129 2,4,5-Trichlorophenol	196	9.075	9.075	0.0	92	122314	51.9	
131 2-Chloronaphthalene	162	9.289	9.289	0.0	98	372177	51.2	
132 2-Nitroaniline	65	9.422	9.422	0.0	79	127357	53.5	
134 Dimethyl phthalate	163	9.673	9.673	0.0	98	427089	51.6	
135 2,6-Dinitrotoluene	165	9.737	9.737	0.0	93	94615	52.8	
137 Acenaphthylene	152	9.823	9.823	0.0	91	550400	51.3	
140 3-Nitroaniline	138	9.946	9.946	0.0	91	112991	53.4	
141 Acenaphthene	153	10.042	10.042	0.0	92	378511	51.3	
142 2,4-Dinitrophenol	184	10.079	10.079	0.0	59	46974	48.9	
143 4-Nitrophenol	109	10.159	10.159	0.0	94	70284	53.6	
144 2,4-Dinitrotoluene	165	10.240	10.240	0.0	84	132765	54.5	
145 Dibenzofuran	168	10.256	10.256	0.0	87	516904	51.8	
149 Diethyl phthalate	149	10.544	10.544	0.0	97	419977	53.3	
151 Fluorene	166	10.662	10.662	0.0	82	411810	52.6	
152 4-Chlorophenyl phenyl ether	204	10.667	10.667	0.0	85	209476	51.8	
153 4-Nitroaniline	138	10.688	10.688	0.0	84	124360	55.2	
154 4,6-Dinitro-2-methylphenol	198	10.726	10.726	0.0	85	82624	50.7	
157 N-Nitrosodiphenylamine	169	10.800	10.800	0.0	89	305595	50.4	
159 1,2-Diphenylhydrazine	77	10.849	10.849	0.0	95	470834	52.2	
164 4-Bromophenyl phenyl ether	248	11.217	11.217	0.0	97	115269	51.1	
168 Hexachlorobenzene	284	11.297	11.297	0.0	91	122105	50.4	
172 Pentachlorophenol	266	11.500	11.500	0.0	87	75630	53.3	
177 Phenanthrene	178	11.714	11.714	0.0	96	664995	50.4	
180 Anthracene	178	11.767	11.767	0.0	97	685059	51.5	
181 Carbazole	167	11.933	11.933	0.0	83	614171	52.4	
184 Di-n-butyl phthalate	149	12.286	12.286	0.0	100	722693	53.2	
191 Fluoranthene	202	12.884	12.884	0.0	98	731867	52.1	
192 Benzidine	184	13.001	13.001	0.0	97	376961	50.0	
193 Pyrene	202	13.098	13.098	0.0	98	754421	50.6	
200 Butyl benzyl phthalate	149	13.653	13.653	0.0	96	333863	53.5	
204 3,3'-Dichlorobenzidine	252	14.129	14.129	0.0	98	256234	53.9	
206 Bis(2-ethylhexyl) phthalate	149	14.145	14.145	0.0	96	458960	52.2	
205 Benzo[a]anthracene	228	14.161	14.161	0.0	98	653345	49.8	
207 Chrysene	228	14.193	14.193	0.0	92	697913	50.2	
208 Di-n-octyl phthalate	149	14.695	14.695	0.0	100	735298	50.4	
209 Benzo[b]fluoranthene	252	15.138	15.138	0.0	92	588056	52.8	
211 Benzo[k]fluoranthene	252	15.165	15.165	0.0	94	752263	53.0	
213 Benzo[a]pyrene	252	15.464	15.464	0.0	100	526017	52.7	
216 Dibenz(a,h)anthracene	278	16.730	16.730	0.0	51	529433	48.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
215 Indeno[1,2,3-cd]pyrene	276	16.725	16.725	0.0	93	645078	48.9	
217 Benzo[g,h,i]perylene	276	17.078	17.078	0.0	92	531479	52.8	
S 220 Total Cresols	1				0		102.5	
S 218 3 & 4 Methylphenol	108				0		51.3	
S 219 3-Methylphenol	1				0		51.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 08-Sep-2011 09:39:59

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4785.D

Injection Date: 07-Sep-2011 13:53:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973W

Lims Batch ID: 30276

Lims Sample ID: 5

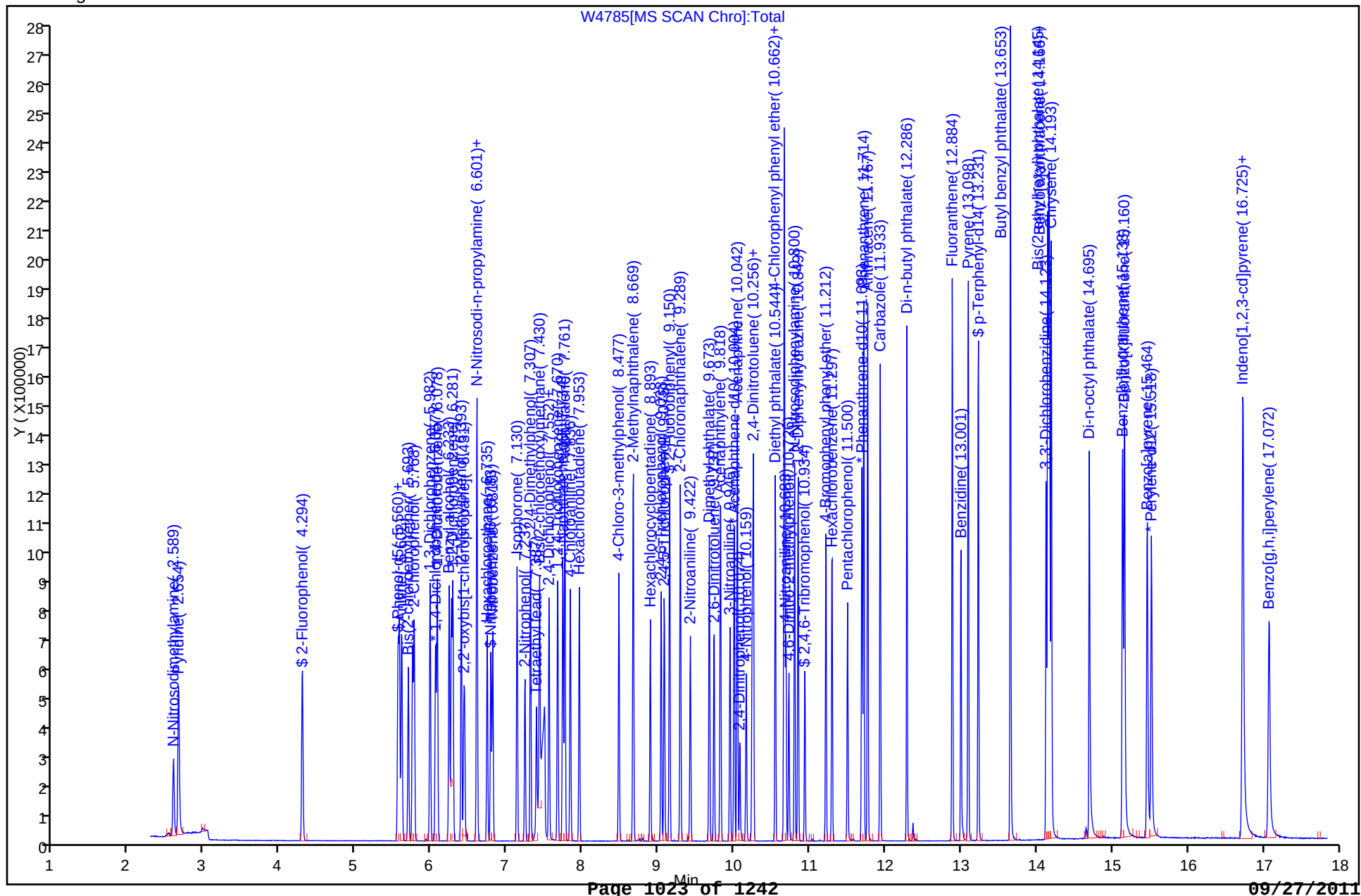
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

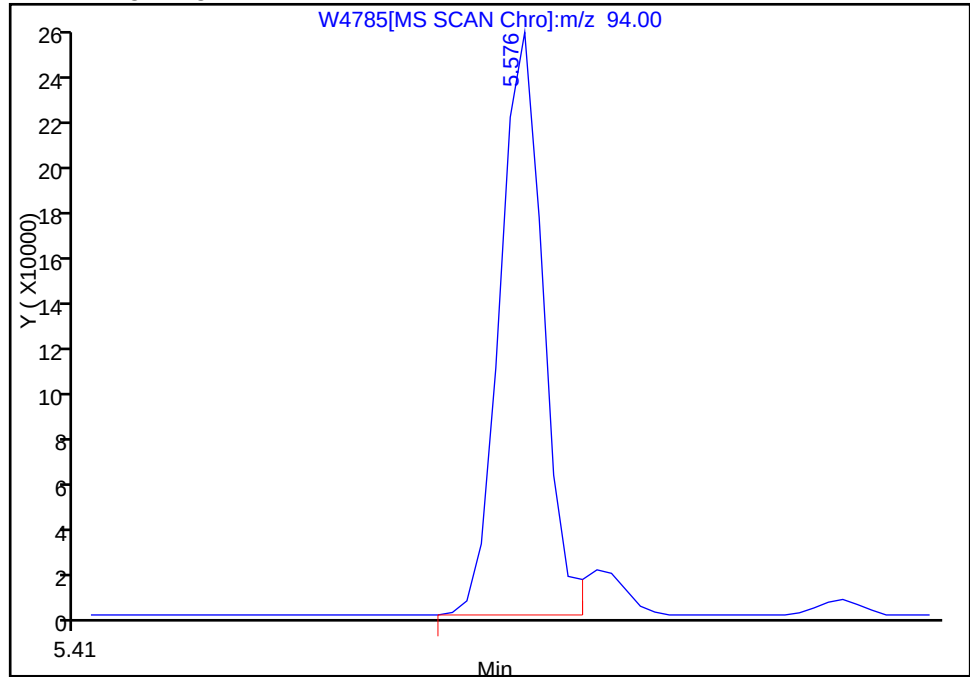


Data File:	\\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4785.D		
Injection Date:	07-Sep-2011 13:53:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973W
Lims Batch ID:	30276	Lims Sample ID:	5
Operator ID:	KLP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

72 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 5.58

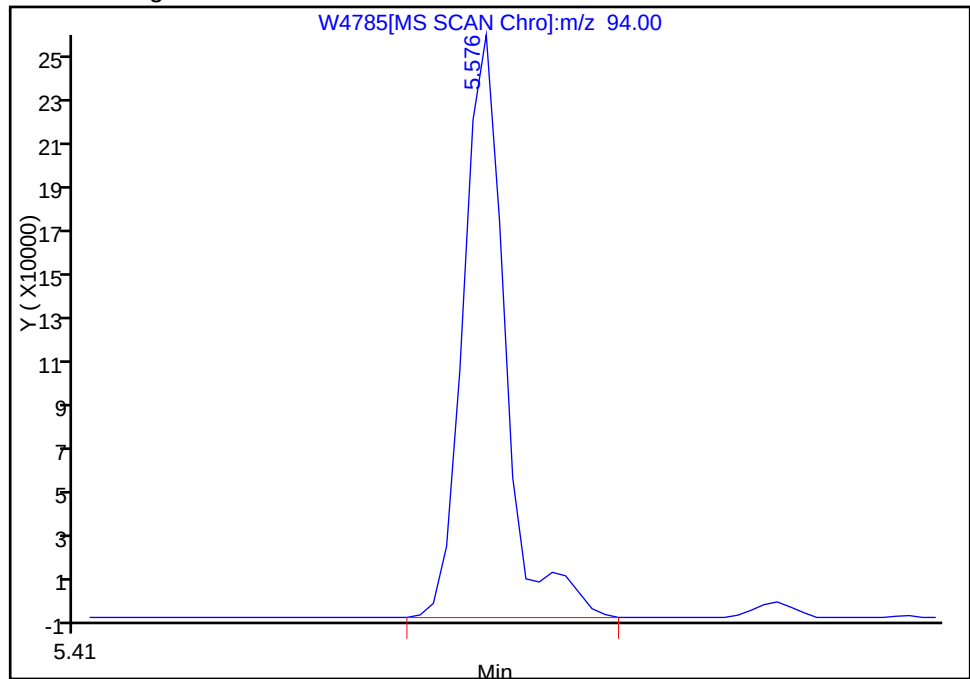
RT: 5.58
Response: 286947
Amount: 50.000000

Processing Integration Results



RT: 5.58
Response: 304824
Amount: 50.319058

Manual Integration Results



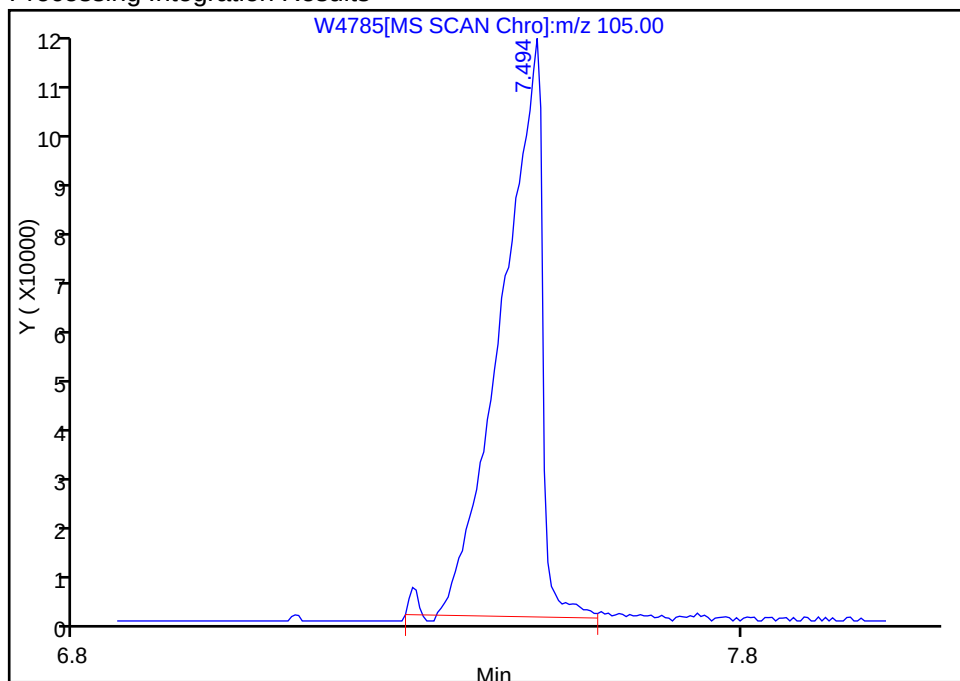
Reviewer: pfenderk, 08-Sep-2011 09:08:28
Audit Action: Manually Integrated
Audit Reason: Cut Peak

Data File:	\\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4785.D		
Injection Date:	07-Sep-2011 13:53:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973W
Lims Batch ID:	30276	Lims Sample ID:	5
Operator ID:	KLP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

105 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 7.49

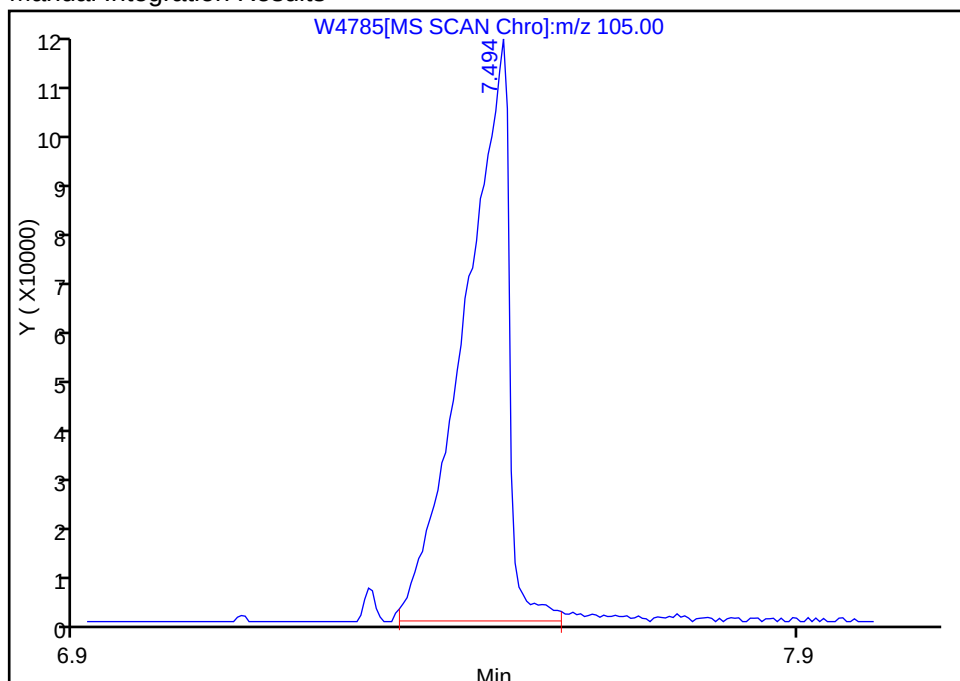
RT: 7.49
Response: 464382
Amount: 150.0000

Processing Integration Results



RT: 7.49
Response: 469972
Amount: 148.3010

Manual Integration Results



Reviewer: pfenderk, 08-Sep-2011 09:08:28

Audit Action: Manually Integrated

Audit Reason: Coelution

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4786.D
 Lims ID: IC 20 Client ID:
 Inject. Date: 07-Sep-2011 14:16:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 480-0005793-006
 Misc. Info.: IC 20 =IC 20
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 30276 Lims Sample ID: 6
 Sublist: chrom-W-8270*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W-8270.m
 Last Update: 08-Sep-2011 09:27:29 Calib Date: 07-Sep-2011 19:22:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4799.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

Date: 08-Sep-2011 09:27:29

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.051	6.057	-0.006	98	117048	40.0	
* 2 Naphthalene-d8	136	7.734	7.734	0.0	100	480500	40.0	
* 3 Acenaphthene-d10	164	9.999	10.004	-0.005	99	264055	40.0	
* 4 Phenanthrene-d10	188	11.687	11.693	-0.006	99	450116	40.0	
* 5 Chrysene-d12	240	14.166	14.182	-0.016	97	451140	40.0	
* 6 Perylene-d12	264	15.507	15.518	-0.011	97	452171	40.0	
\$ 7 2-Fluorophenol	112	4.294	4.294	0.0	95	88722	20.3	
\$ 8 Phenol-d5	99	5.554	5.554	0.0	96	108258	20.1	
\$ 9 Nitrobenzene-d5	82	6.778	6.783	-0.005	95	90486	19.7	
\$ 10 2-Fluorobiphenyl	172	9.144	9.150	-0.006	99	165505	21.0	
\$ 11 2,4,6-Tribromophenol	330	10.934	10.939	-0.005	74	21715	19.8	
\$ 12 p-Terphenyl-d14	244	13.226	13.231	-0.005	97	189374	20.0	
53 N-Nitrosodimethylamine	42	2.589	2.589	0.0	85	46476	20.0	
52 Pyridine	52	2.659	2.654	0.005	89	78343	20.1	
72 Phenol	94	5.570	5.570	0.0	97	127122	20.7	
69 Aniline	93	5.603	5.603	0.0	26	140769	20.2	
74 Bis(2-chloroethyl)ether	93	5.693	5.693	0.0	94	92104	20.3	
75 2-Chlorophenol	128	5.768	5.773	-0.005	90	92746	20.7	
78 1,3-Dichlorobenzene	146	5.982	5.982	0.0	93	93169	20.3	
77 1,4-Dichlorobenzene	146	6.078	6.078	0.0	78	97738	20.8	
79 Benzyl alcohol	108	6.233	6.233	0.0	91	58883	19.8	
73 1,2-Dichlorobenzene	146	6.281	6.281	0.0	85	92590	21.0	
82 2-Methylphenol	108	6.393	6.393	0.0	95	80275	20.1	
83 2,2'-oxybis[1-chloropropane]	45	6.431	6.431	0.0	54	125216	20.5	
88 4-Methylphenol	108	6.596	6.601	-0.005	94	82893	20.9	
87 N-Nitrosodi-n-propylamine	70	6.596	6.601	-0.005	78	61410	20.1	
89 Hexachloroethane	117	6.735	6.735	0.0	95	35012	19.7	
85 Nitrobenzene	77	6.805	6.810	-0.005	83	92478	20.0	
94 Isophorone	82	7.125	7.130	-0.005	96	159118	19.8	
97 2-Nitrophenol	139	7.232	7.237	-0.005	97	40266	18.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
99 2,4-Dimethylphenol	107	7.307	7.307	0.0	95	87704	20.4	
101 Tetraethyl lead	237	7.387	7.387	0.0	88	31996	22.0	
103 Bis(2-chloroethoxy)methane	93	7.424	7.430	-0.006	99	100060	20.6	
105 Benzoic acid	105	7.472	7.472	0.0	84	356293	109.1	
106 2,4-Dichlorophenol	162	7.552	7.552	0.0	92	62819	20.0	
100 1,2,4-Trichlorobenzene	180	7.665	7.670	-0.005	93	74512	20.7	
107 Naphthalene	128	7.761	7.761	0.0	90	252994	21.3	
108 4-Chloroaniline	127	7.830	7.836	-0.006	83	102498	20.2	
110 Hexachlorobutadiene	225	7.953	7.953	0.0	92	41394	21.2	
117 4-Chloro-3-methylphenol	107	8.471	8.477	-0.006	93	72121	19.9	
121 2-Methylnaphthalene	142	8.664	8.669	-0.005	84	152017	20.5	
125 Hexachlorocyclopentadiene	237	8.888	8.893	-0.005	96	40557	18.9	
127 2,4,6-Trichlorophenol	196	9.032	9.038	-0.006	90	42906	19.5	
129 2,4,5-Trichlorophenol	196	9.075	9.075	0.0	92	47801	20.0	
131 2-Chloronaphthalene	162	9.283	9.289	-0.006	97	150345	20.9	
132 2-Nitroaniline	65	9.417	9.422	-0.005	75	44104	17.8	
134 Dimethyl phthalate	163	9.668	9.673	-0.005	98	163751	19.9	
135 2,6-Dinitrotoluene	165	9.732	9.737	-0.005	84	33888	18.3	
137 Acenaphthylene	152	9.818	9.823	-0.005	91	219527	20.5	
140 3-Nitroaniline	138	9.940	9.946	-0.006	89	40461	18.5	
141 Acenaphthene	153	10.037	10.042	-0.005	92	151306	20.9	
142 2,4-Dinitrophenol	184	10.069	10.069	0.0	41	11609	19.4	
143 4-Nitrophenol	109	10.154	10.159	-0.005	90	24913	18.2	
144 2,4-Dinitrotoluene	165	10.234	10.240	-0.006	86	47656	18.8	
145 Dibenzofuran	168	10.250	10.256	-0.006	87	205834	21.0	
149 Diethyl phthalate	149	10.539	10.544	-0.005	96	158298	20.0	
151 Fluorene	166	10.656	10.662	-0.006	83	167432	21.8	
152 4-Chlorophenyl phenyl ether	204	10.662	10.667	-0.005	83	85964	21.9	
153 4-Nitroaniline	138	10.678	10.688	-0.010	80	43897	19.1	
154 4,6-Dinitro-2-methylphenol	198	10.720	10.726	-0.006	78	23507	15.2	
157 N-Nitrosodiphenylamine	169	10.795	10.800	-0.005	89	117050	20.3	
159 1,2-Diphenylhydrazine	77	10.843	10.849	-0.006	95	181931	20.1	
164 4-Bromophenyl phenyl ether	248	11.212	11.217	-0.005	97	43321	20.2	
168 Hexachlorobenzene	284	11.292	11.297	-0.005	88	47226	20.6	
172 Pentachlorophenol	266	11.495	11.500	-0.005	80	24827	17.6	
177 Phenanthrene	178	11.709	11.714	-0.005	93	264558	21.6	
180 Anthracene	178	11.762	11.767	-0.005	97	269003	21.3	
181 Carbazole	167	11.928	11.933	-0.005	83	233156	21.0	
184 Di-n-butyl phthalate	149	12.280	12.286	-0.006	100	269560	20.4	
191 Fluoranthene	202	12.879	12.884	-0.005	98	281526	21.1	
192 Benzidine	184	12.996	13.001	-0.005	95	145414	19.2	
193 Pyrene	202	13.092	13.098	-0.006	97	295239	20.5	
200 Butyl benzyl phthalate	149	13.648	13.653	-0.005	97	125779	20.2	
204 3,3'-Dichlorobenzidine	252	14.118	14.129	-0.011	96	92194	19.2	
206 Bis(2-ethylhexyl) phthalate	149	14.139	14.145	-0.006	96	171699	19.5	
205 Benzo[a]anthracene	228	14.155	14.161	-0.006	98	258633	20.3	
207 Chrysene	228	14.187	14.193	-0.006	90	275699	20.8	
208 Di-n-octyl phthalate	149	14.690	14.695	-0.005	99	246454	17.4	
209 Benzo[b]fluoranthene	252	15.128	15.138	-0.010	92	208003	17.5	
211 Benzo[k]fluoranthene	252	15.149	15.165	-0.016	96	320820	22.1	
213 Benzo[a]pyrene	252	15.454	15.464	-0.010	100	195361	18.3	
215 Indeno[1,2,3-cd]pyrene	276	16.709	16.725	-0.016	95	224153	16.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
216 Dibenz(a,h)anthracene	278	16.714	16.714	0.0	33	185199	16.9	
217 Benzo[g,h,i]perylene	276	17.056	17.078	-0.022	83	189034	17.4	
S 218 3 & 4 Methylphenol	108				0		20.9	
S 219 3-Methylphenol	1				0		20.9	
S 220 Total Cresols	1				0		41.0	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4787.D
 Lims ID: IC 5 Client ID:
 Inject. Date: 07-Sep-2011 14:40:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 480-0005793-007
 Misc. Info.: IC 5 =IC 5
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 30276 Lims Sample ID: 7
 Sublist: chrom-W-8270*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W-8270.m
 Last Update: 08-Sep-2011 09:30:20 Calib Date: 07-Sep-2011 19:22:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4799.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

Date: 08-Sep-2011 09:30:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.051	6.057	-0.006	97	115573	40.0	
* 2 Naphthalene-d8	136	7.734	7.734	0.0	100	486905	40.0	
* 3 Acenaphthene-d10	164	9.999	10.004	-0.005	99	259720	40.0	
* 4 Phenanthrene-d10	188	11.687	11.693	-0.006	99	468686	40.0	
* 5 Chrysene-d12	240	14.166	14.182	-0.016	97	458693	40.0	
* 6 Perylene-d12	264	15.507	15.518	-0.011	97	459604	40.0	
\$ 7 2-Fluorophenol	112	4.288	4.294	-0.006	82	20849	4.85	
\$ 8 Phenol-d5	99	5.549	5.554	-0.005	89	26909	5.04	
\$ 9 Nitrobenzene-d5	82	6.778	6.783	-0.005	90	20354	4.47	
\$ 10 2-Fluorobiphenyl	172	9.145	9.150	-0.005	81	43323	5.48	
\$ 11 2,4,6-Tribromophenol	330	10.934	10.934	0.0	2	4722	4.25	
\$ 12 p-Terphenyl-d14	244	13.221	13.231	-0.010	86	47463	4.94	
53 N-Nitrosodimethylamine	42	2.584	2.589	-0.005	70	11319	4.95	
52 Pyridine	52	2.654	2.654	0.0	86	19116	4.97	
72 Phenol	94	5.571	5.571	0.0	87	31359	5.15	
69 Aniline	93	5.597	5.597	0.0	33	35402	5.11	
74 Bis(2-chloroethyl)ether	93	5.688	5.693	-0.005	75	22500	5.03	
75 2-Chlorophenol	128	5.768	5.773	-0.005	78	22383	5.04	
78 1,3-Dichlorobenzene	146	5.977	5.982	-0.005	87	23675	5.19	
77 1,4-Dichlorobenzene	146	6.073	6.073	0.0	41	24224	5.18	
79 Benzyl alcohol	108	6.228	6.233	-0.005	86	14149	4.85	
73 1,2-Dichlorobenzene	146	6.281	6.281	0.0	74	22964	5.23	
82 2-Methylphenol	108	6.388	6.393	-0.005	80	18980	4.84	
83 2,2'-oxybis[1-chloropropane]	45	6.431	6.431	0.0	48	30760	5.08	
88 4-Methylphenol	108	6.596	6.601	-0.005	89	19992	5.08	
87 N-Nitrosodi-n-propylamine	70	6.596	6.601	-0.005	73	14891	4.95	
89 Hexachloroethane	117	6.735	6.735	0.0	86	8740	4.98	
85 Nitrobenzene	77	6.805	6.810	-0.005	76	21424	4.64	
94 Isophorone	82	7.125	7.130	-0.005	84	39544	4.87	
97 2-Nitrophenol	139	7.232	7.237	-0.005	72	7958	3.86	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
99 2,4-Dimethylphenol	107	7.301	7.307	-0.006	85	21337	4.92	
101 Tetraethyl lead	237	7.387	7.387	0.0	62	7823	5.25	
103 Bis(2-chloroethoxy)methane	93	7.424	7.430	-0.006	88	26242	5.28	
105 Benzoic acid	105	7.467	7.472	-0.005	81	294306	90.6	
106 2,4-Dichlorophenol	162	7.547	7.552	-0.005	75	15925	4.99	
100 1,2,4-Trichlorobenzene	180	7.665	7.670	-0.005	80	19163	5.20	
107 Naphthalene	128	7.761	7.761	0.0	65	64320	5.28	
108 4-Chloroaniline	127	7.830	7.836	-0.006	75	25829	5.02	
110 Hexachlorobutadiene	225	7.953	7.953	0.0	72	10415	5.22	
117 4-Chloro-3-methylphenol	107	8.471	8.477	-0.006	85	17575	4.82	
121 2-Methylnaphthalene	142	8.664	8.669	-0.005	79	40056	5.26	
125 Hexachlorocyclopentadiene	237	8.888	8.893	-0.005	61	7710	3.83	
127 2,4,6-Trichlorophenol	196	9.032	9.038	-0.006	68	9890	4.63	
129 2,4,5-Trichlorophenol	196	9.075	9.075	0.0	63	10703	4.61	
131 2-Chloronaphthalene	162	9.283	9.289	-0.006	92	38316	5.35	
132 2-Nitroaniline	65	9.417	9.417	0.0	46	9357	4.00	
134 Dimethyl phthalate	163	9.663	9.673	-0.010	88	42339	5.19	
135 2,6-Dinitrotoluene	165	9.727	9.737	-0.010	57	7269	4.12	
137 Acenaphthylene	152	9.818	9.823	-0.005	82	53112	5.03	
140 3-Nitroaniline	138	9.941	9.946	-0.005	76	8693	4.17	
141 Acenaphthene	153	10.037	10.042	-0.005	84	39665	5.46	
142 2,4-Dinitrophenol	184	10.074	10.074	0.0	15	3464	10.8	
143 4-Nitrophenol	109	10.149	10.159	-0.010	86	10239	7.94	
144 2,4-Dinitrotoluene	165	10.234	10.240	-0.006	52	9581	4.00	
145 Dibenzofuran	168	10.250	10.256	-0.006	73	53891	5.49	
149 Diethyl phthalate	149	10.539	10.544	-0.005	89	38680	4.98	
151 Fluorene	166	10.656	10.662	-0.006	87	42103	5.47	
152 4-Chlorophenyl phenyl ether	204	10.662	10.667	-0.005	80	22834	5.74	
153 4-Nitroaniline	138	10.672	10.688	-0.016	64	10065	4.54	
154 4,6-Dinitro-2-methylphenol	198	10.715	10.726	-0.011	57	8656	10.3	
157 N-Nitrosodiphenylamine	169	10.795	10.800	-0.005	83	29805	4.96	
159 1,2-Diphenylhydrazine	77	10.838	10.849	-0.011	99	44383	5.00	
164 4-Bromophenyl phenyl ether	248	11.207	11.217	-0.010	75	11196	5.01	
168 Hexachlorobenzene	284	11.287	11.297	-0.010	72	12348	5.15	
172 Pentachlorophenol	266	11.495	11.500	-0.005	60	10757	7.65	
177 Phenanthrene	178	11.709	11.714	-0.005	63	72508	5.55	
180 Anthracene	178	11.762	11.767	-0.005	88	66909	5.08	
181 Carbazole	167	11.922	11.933	-0.011	70	58425	5.04	
184 Di-n-butyl phthalate	149	12.280	12.286	-0.006	95	60498	4.50	
191 Fluoranthene	202	12.879	12.884	-0.005	93	70411	5.05	
192 Benzidine	184	12.991	13.001	-0.010	66	30395	4.08	
193 Pyrene	202	13.087	13.098	-0.011	96	75282	5.11	
200 Butyl benzyl phthalate	149	13.648	13.653	-0.005	87	26268	4.27	
204 3,3'-Dichlorobenzidine	252	14.118	14.129	-0.011	79	18628	3.97	
206 Bis(2-ethylhexyl) phthalate	149	14.140	14.145	-0.005	92	36108	4.16	
205 Benzo[a]anthracene	228	14.156	14.161	-0.005	67	65320	5.04	
207 Chrysene	228	14.188	14.193	-0.005	75	74373	5.42	
208 Di-n-octyl phthalate	149	14.690	14.695	-0.005	64	37613	5.07	
209 Benzo[b]fluoranthene	252	15.122	15.138	-0.016	73	44340	3.83	
211 Benzo[k]fluoranthene	252	15.149	15.149	0.0	87	72478	4.92	
213 Benzo[a]pyrene	252	15.454	15.464	-0.010	93	39112	3.77	
216 Dibenz(a,h)anthracene	278	16.709	16.709	0.0	6	29019	5.42	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
215 Indeno[1,2,3-cd]pyrene	276	16.709	16.725	-0.016	80	36048	5.41	
217 Benzo[g,h,i]perylene	276	17.056	17.078	-0.022	70	37727	3.61	
S 218 3 & 4 Methylphenol	108				0		5.08	
S 219 3-Methylphenol	1				0		5.08	
S 220 Total Cresols	1				0		9.93	

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 30276

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/07/2011 15:03 Calibration End Date: 09/07/2011 17:01 Calibration ID: 3839

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-30276/13	W4793.D
Level 2	IC 480-30276/12	W4792.D
Level 3	IC 480-30276/11	W4791.D
Level 4	IC 480-30276/10	W4790.D
Level 5	IC 480-30276/9	W4789.D
Level 6	IC 480-30276/8	W4788.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzaldehyde	1.0850 1.2097	1.2607	1.2521	1.2373	1.2200	Ave		1.2108				5.3		15.0			
Acetophenone	1.9135 1.9330	2.0864	2.0667	2.0795	2.0011	Ave		2.0134				3.8		15.0			
Caprolactam	0.0541 0.1114	0.0948	0.1089	0.1148	0.1110	Lin1	-0.309	0.1145							1.0000		0.9900
1,2,4,5-Tetrachlorobenzene	0.5507 0.5031	0.5450	0.5330	0.5171	0.5023	Ave		0.5252				4.0		15.0			
Biphenyl	1.6454 1.4082	1.6333	1.5974	1.5625	1.4662	Ave		1.5522				6.1		15.0			
2,3,4,6-Tetrachlorophenol	0.1423 0.2737	0.2191	0.2527	0.2664	0.2682	Lin1	-0.765	0.2750							0.9990		0.9900
Atrazine	0.2440 0.3579	0.3204	0.3312	0.3517	0.3501	Ave		0.3259				13.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1 Analy Batch No.: 30276

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/07/2011 15:03 Calibration End Date: 09/07/2011 17:01 Calibration ID: 3839

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-30276/13	W4793.D
Level 2	IC 480-30276/12	W4792.D
Level 3	IC 480-30276/11	W4791.D
Level 4	IC 480-30276/10	W4790.D
Level 5	IC 480-30276/9	W4789.D
Level 6	IC 480-30276/8	W4788.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Benzaldehyde	DCB	Ave	16451 610169	78646	192773	295743	478973	5.00 160	20.0	50.0	80.0	120
Acetophenone	DCB	Ave	29013 974960	130156	318174	497059	785647	5.00 160	20.0	50.0	80.0	120
Caprolactam	NPT	Lin1	3424 236789	25204	69674	114939	185368	5.00 160	20.0	50.0	80.0	120
1,2,4,5-Tetrachlorobenzene	ANT	Ave	18609 565468	78299	183141	281237	447446	5.00 160	20.0	50.0	80.0	120
Biphenyl	ANT	Ave	55605 1582683	234665	548831	849784	1306058	5.00 160	20.0	50.0	80.0	120
2,3,4,6-Tetrachlorophenol	ANT	Lin1	4808 307572	31485	86809	144907	238920	5.00 160	20.0	50.0	80.0	120
Atrazine	ANT	Ave	8247 402241	46038	113802	191262	311873	5.00 160	20.0	50.0	80.0	120

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4788.D
 Lims ID: IC TCLADD 160 Client ID:
 Inject. Date: 07-Sep-2011 15:03:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 480-0005793-008
 Misc. Info.: IC TCLADD 160 =IC TCLADD 160
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 8
 Lims Batch ID: 30276 Lims Sample ID: 8
 Sublist: chrom-W-8270*sub2
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W-8270.m
 Last Update: 08-Sep-2011 09:32:23 Calib Date: 07-Sep-2011 19:22:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4799.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

Date: 08-Sep-2011 09:32:23

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.051	6.051	0.0	99	126097	40.0	
* 2 Naphthalene-d8	136	7.734	7.729	0.005	99	531172	40.0	
* 3 Acenaphthene-d10	164	9.999	9.999	0.0	99	280975	40.0	
* 4 Phenanthrene-d10	188	11.687	11.682	0.005	98	508140	40.0	
* 5 Chrysene-d12	240	14.161	14.161	0.0	97	452608	40.0	
* 6 Perylene-d12	264	15.507	15.507	0.0	97	475917	40.0	
71 Benzaldehyde	77	5.458	5.453	0.005	91	610169	157.2	
86 Acetophenone	105	6.586	6.580	0.006	94	974960	154.7	
114 Caprolactam	113	8.263	8.236	0.027	70	236789	161.9	
124 1,2,4,5-Tetrachlorobenzene	216	8.893	8.888	0.005	95	565468	155.4	
130 1,1'-Biphenyl	154	9.273	9.267	0.006	95	1582683	149.9	
147 2,3,4,6-Tetrachlorophenol	232	10.411	10.405	0.006	93	307572	166.4	
170 Atrazine	200	11.404	11.394	0.010	94	402241	166.2	

Report Date: 08-Sep-2011 09:32:23

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4788.D

Injection Date: 07-Sep-2011 15:03:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973W

Lims Batch ID: 30276

Lims Sample ID: 8

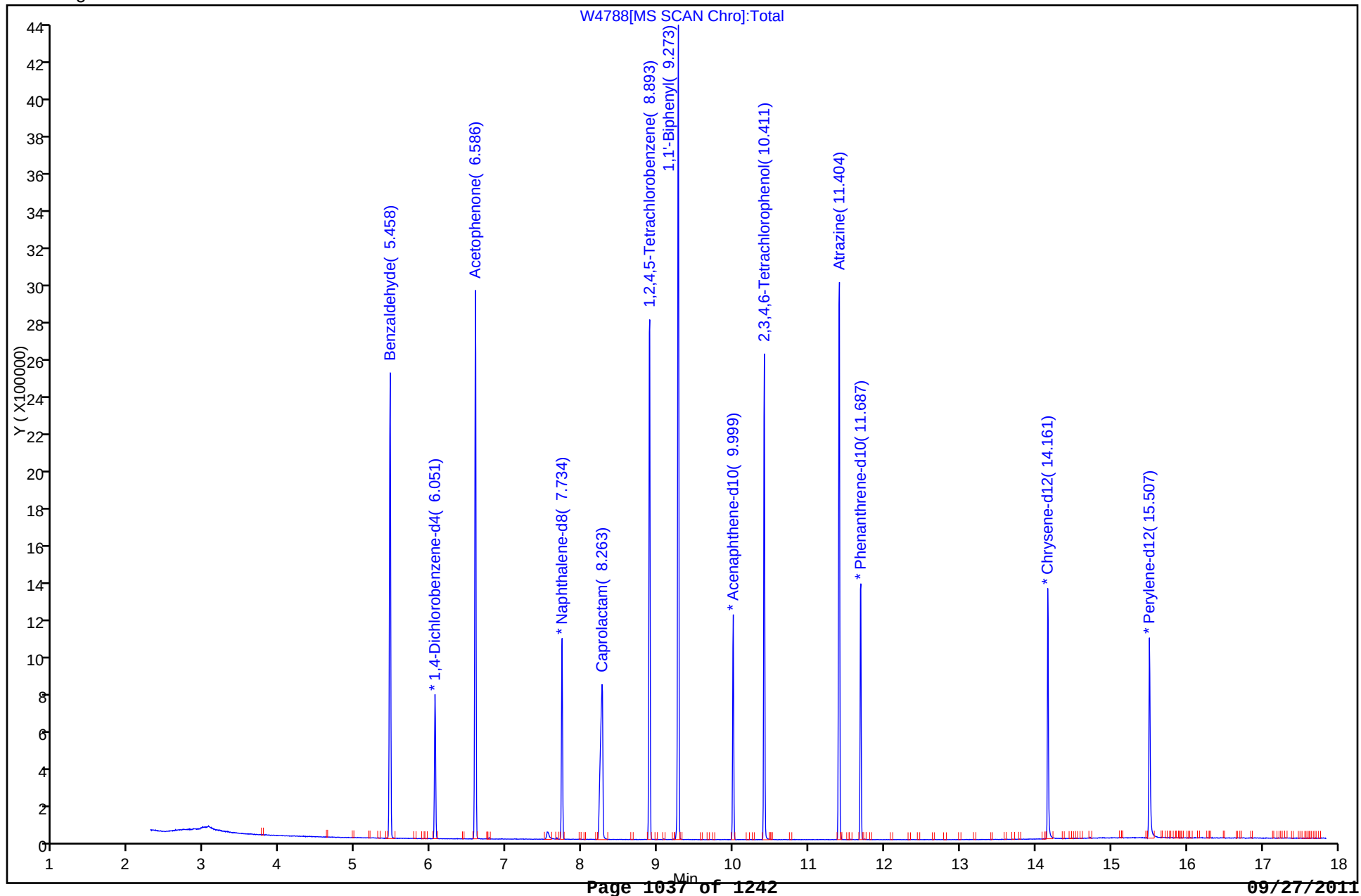
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4789.D
 Lims ID: IC TCLADD 120 Client ID:
 Inject. Date: 07-Sep-2011 15:27:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 480-0005793-009
 Misc. Info.: IC TCLADD 120
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 9
 Lims Batch ID: 30276 Lims Sample ID: 9
 Sublist: chrom-W-8270*sub2
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W-8270.m
 Last Update: 08-Sep-2011 09:32:44 Calib Date: 07-Sep-2011 19:22:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4799.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

Date: 08-Sep-2011 09:32:44

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.051	6.051	0.0	98	130869	40.0	
* 2 Naphthalene-d8	136	7.734	7.729	0.005	99	556483	40.0	
* 3 Acenaphthene-d10	164	9.999	9.999	0.0	98	296923	40.0	
* 4 Phenanthrene-d10	188	11.687	11.682	0.005	99	529075	40.0	
* 5 Chrysene-d12	240	14.161	14.161	0.0	97	494316	40.0	
* 6 Perylene-d12	264	15.507	15.507	0.0	97	493460	40.0	
71 Benzaldehyde	77	5.458	5.453	0.005	91	478973	119.3	
86 Acetophenone	105	6.585	6.580	0.005	94	785647	120.1	
114 Caprolactam	113	8.258	8.236	0.022	69	185368	120.6	
124 1,2,4,5-Tetrachlorobenzene	216	8.888	8.888	0.0	95	447446	117.5	
130 1,1'-Biphenyl	154	9.273	9.267	0.006	95	1306058	118.0	
147 2,3,4,6-Tetrachlorophenol	232	10.410	10.405	0.005	95	238920	121.5	
170 Atrazine	200	11.399	11.394	0.005	92	311873	121.3	

Report Date: 08-Sep-2011 09:32:44

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4789.D

Injection Date: 07-Sep-2011 15:27:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973W

Lims Batch ID: 30276

Lims Sample ID: 9

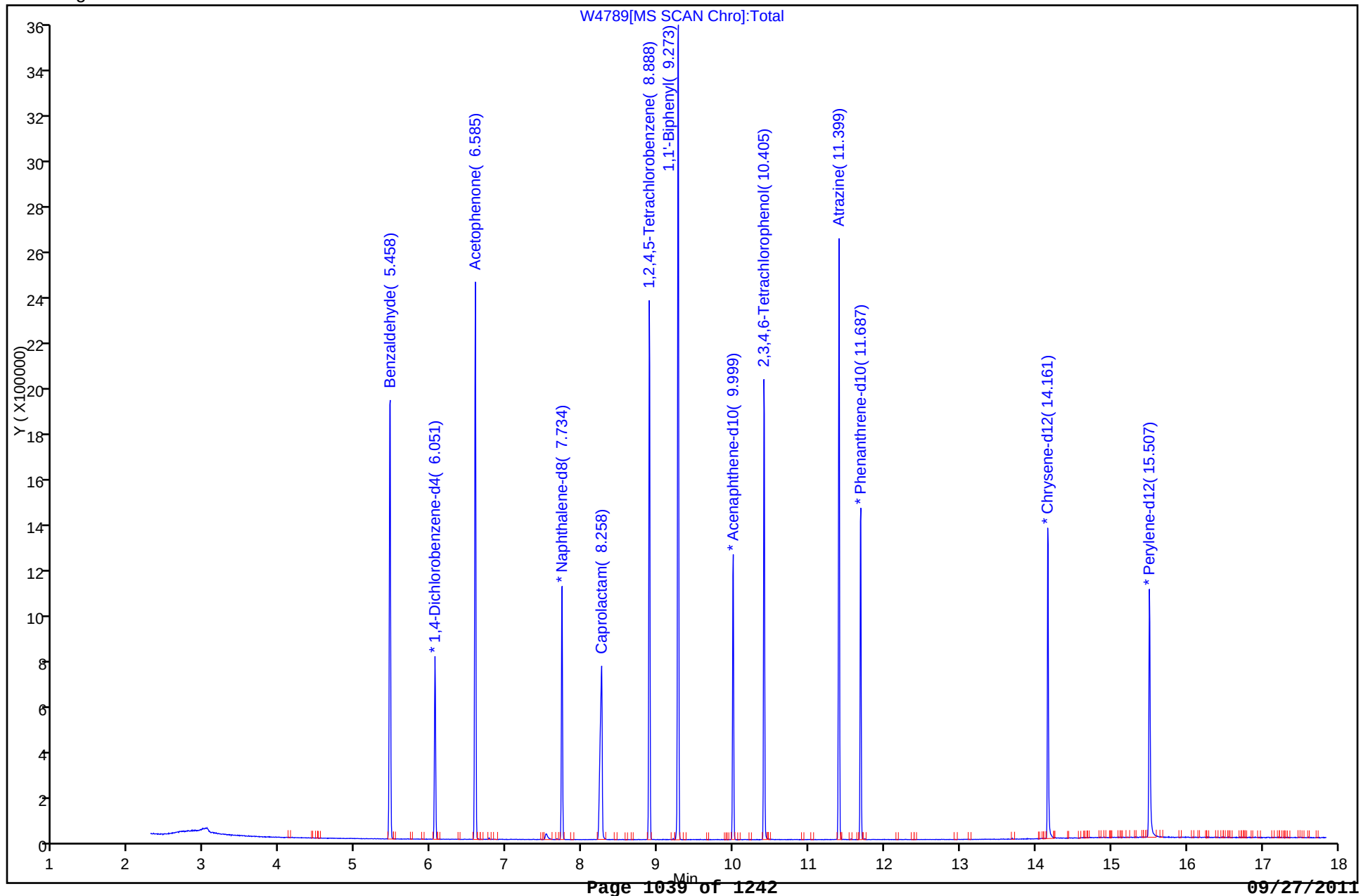
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4790.D
 Lims ID: IC TCLADD 80 Client ID:
 Inject. Date: 07-Sep-2011 15:50:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 480-0005793-010
 Misc. Info.: IC TCLADD 80 =IC TCLADD 80
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 10
 Lims Batch ID: 30276 Lims Sample ID: 10
 Sublist: chrom-W-8270*sub2
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W-8270.m
 Last Update: 08-Sep-2011 09:35:29 Calib Date: 07-Sep-2011 19:22:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4799.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

Date: 08-Sep-2011 09:35:29

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.051	6.051	0.0	98	119514	40.0	
* 2 Naphthalene-d8	136	7.734	7.729	0.005	99	500758	40.0	
* 3 Acenaphthene-d10	164	9.999	9.999	0.0	100	271936	40.0	
* 4 Phenanthrene-d10	188	11.682	11.682	0.0	99	473334	40.0	
* 5 Chrysene-d12	240	14.161	14.161	0.0	94	441480	40.0	
* 6 Perylene-d12	264	15.507	15.507	0.0	97	446902	40.0	
71 Benzaldehyde	77	5.453	5.453	0.0	91	295743	80.5	
86 Acetophenone	105	6.586	6.580	0.006	95	497059	82.4	
114 Caprolactam	113	8.247	8.236	0.011	69	114939	82.3	
124 1,2,4,5-Tetrachlorobenzene	216	8.888	8.888	0.0	98	281237	80.5	
130 1,1'-Biphenyl	154	9.267	9.267	0.0	94	849784	82.9	
147 2,3,4,6-Tetrachlorophenol	232	10.405	10.405	0.0	92	144907	80.4	
170 Atrazine	200	11.399	11.394	0.005	93	191262	80.9	

Report Date: 08-Sep-2011 09:35:30

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4790.D

Injection Date: 07-Sep-2011 15:50:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973W

Lims Batch ID: 30276

Lims Sample ID: 10

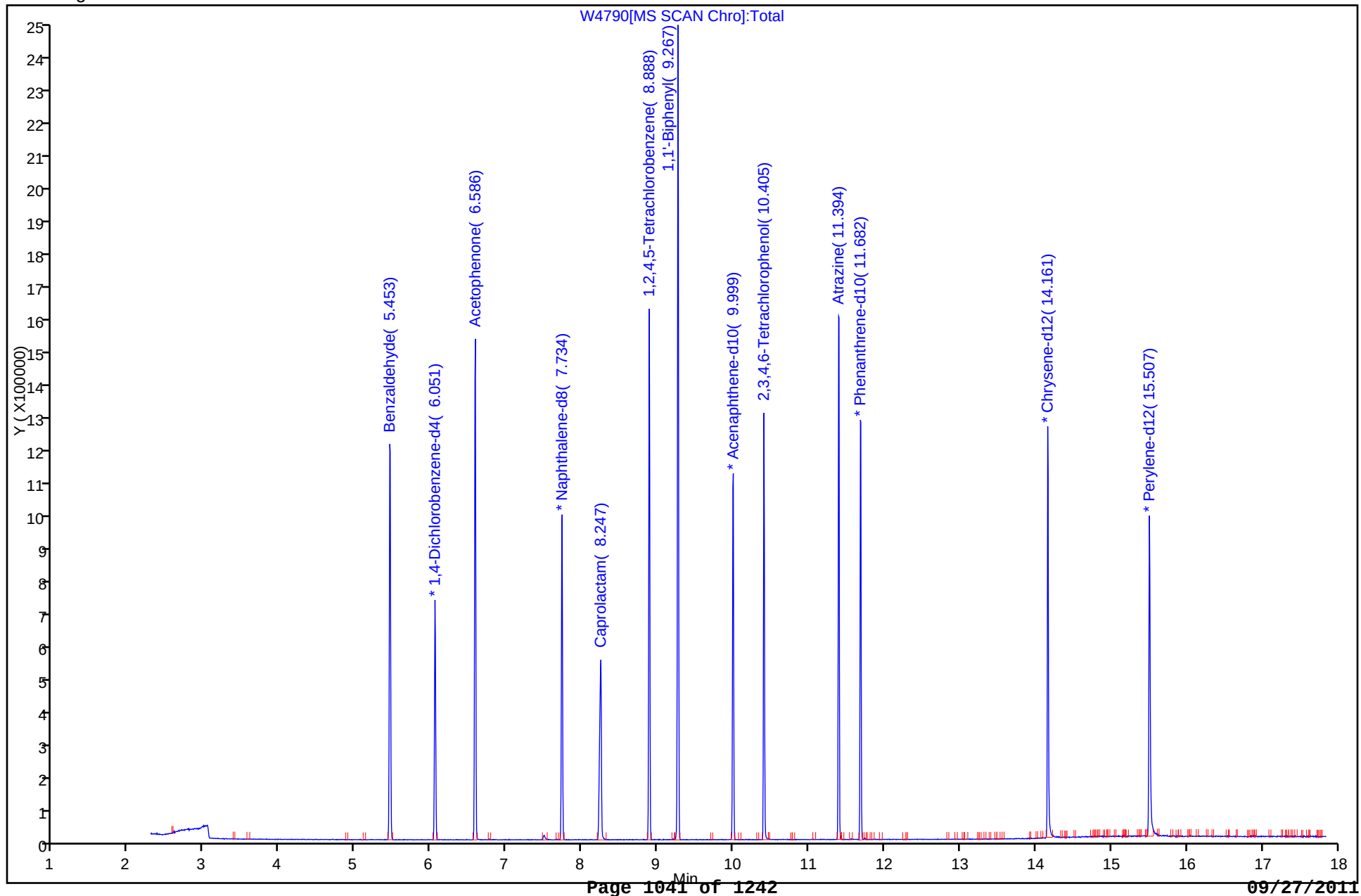
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4791.D
 Lims ID: IC TCLADD 50 Client ID:
 Inject. Date: 07-Sep-2011 16:14:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 480-0005793-011
 Misc. Info.: IC TCLADD 50 =IC TCLADD 50
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 11
 Lims Batch ID: 30276 Lims Sample ID: 11
 Sublist: chrom-W-8270*sub2
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W-8270.m
 Last Update: 08-Sep-2011 09:32:06 Calib Date: 07-Sep-2011 19:22:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4799.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

Date: 08-Sep-2011 09:32:06

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.051	6.051	0.0	98	123164	40.0	
* 2 Naphthalene-d8	136	7.729	7.729	0.0	100	512045	40.0	
* 3 Acenaphthene-d10	164	9.999	9.999	0.0	99	274862	40.0	
* 4 Phenanthrene-d10	188	11.682	11.682	0.0	99	479946	40.0	
* 5 Chrysene-d12	240	14.161	14.161	0.0	97	453959	40.0	
* 6 Perylene-d12	264	15.507	15.507	0.0	97	447450	40.0	
71 Benzaldehyde	77	5.453	5.453	0.0	91	192773	50.0	
86 Acetophenone	105	6.580	6.580	0.0	95	318174	50.0	
114 Caprolactam	113	8.236	8.236	0.0	69	69674	50.0	
124 1,2,4,5-Tetrachlorobenzene	216	8.888	8.888	0.0	96	183141	50.0	
130 1,1'-Biphenyl	154	9.267	9.267	0.0	94	548831	50.0	
147 2,3,4,6-Tetrachlorophenol	232	10.405	10.405	0.0	93	86809	50.0	
170 Atrazine	200	11.394	11.394	0.0	92	113802	50.0	

Report Date: 08-Sep-2011 09:32:06

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4791.D

Injection Date: 07-Sep-2011 16:14:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973W

Lims Batch ID: 30276

Lims Sample ID: 11

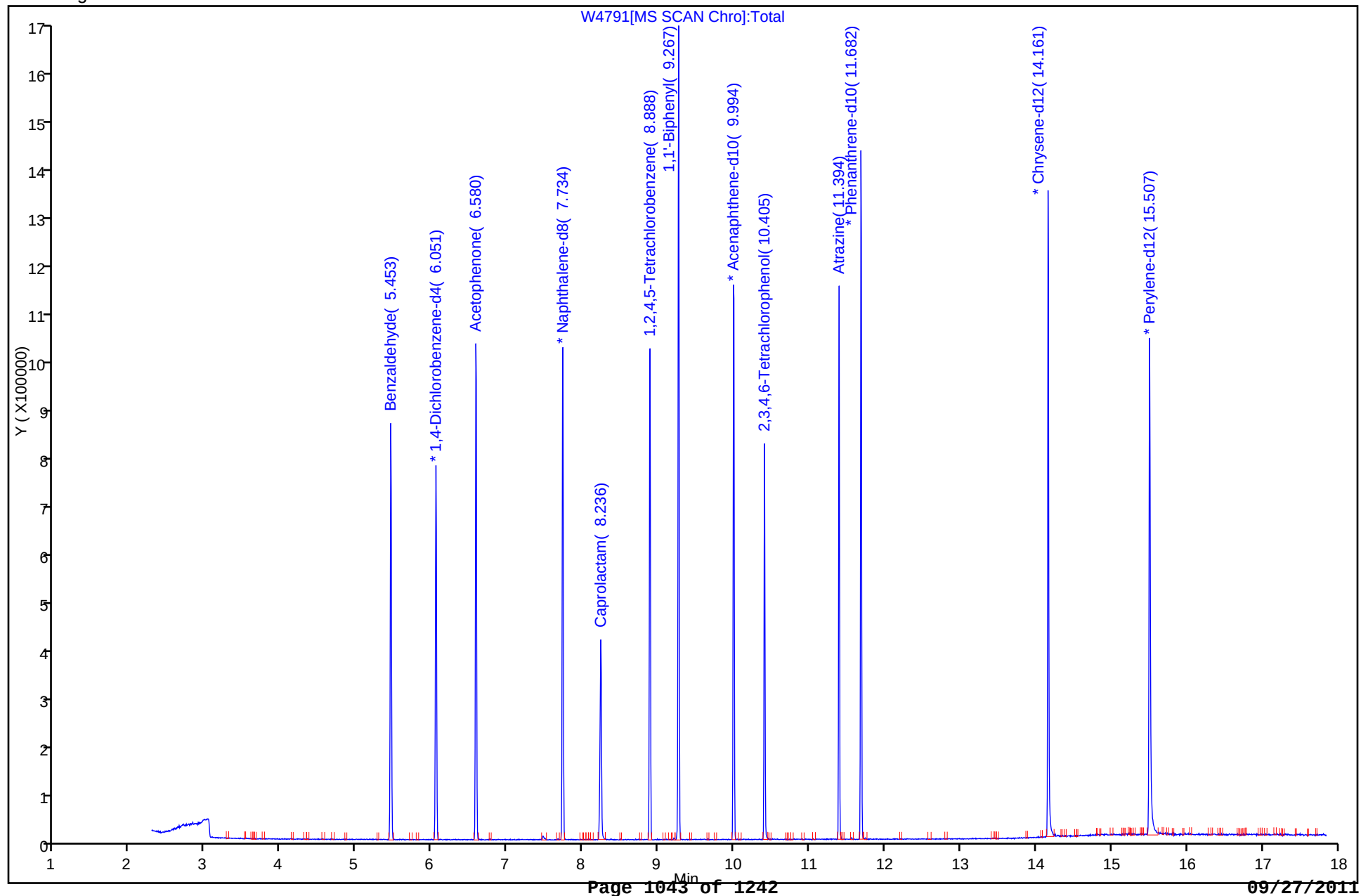
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4792.D
 Lims ID: IC TCLADD 20 Client ID:
 Inject. Date: 07-Sep-2011 16:37:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 480-0005793-012
 Misc. Info.: IC TCLADD 20 =IC TCLADD 20
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 30276 Lims Sample ID: 12
 Sublist: chrom-W-8270*sub2
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W-8270.m
 Last Update: 08-Sep-2011 09:35:54 Calib Date: 07-Sep-2011 19:22:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4799.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

Date: 08-Sep-2011 09:35:54

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.051	6.051	0.0	98	124764	40.0	
* 2 Naphthalene-d8	136	7.729	7.729	0.0	100	531800	40.0	
* 3 Acenaphthene-d10	164	9.994	9.999	-0.005	99	287347	40.0	
* 4 Phenanthrene-d10	188	11.682	11.682	0.0	99	496455	40.0	
* 5 Chrysene-d12	240	14.161	14.161	0.0	98	463739	40.0	
* 6 Perylene-d12	264	15.507	15.507	0.0	93	462960	40.0	
71 Benzaldehyde	77	5.453	5.453	0.0	90	78646	20.4	
86 Acetophenone	105	6.580	6.580	0.0	91	130156	20.5	
114 Caprolactam	113	8.226	8.236	-0.010	66	25204	17.5	
124 1,2,4,5-Tetrachlorobenzene	216	8.888	8.888	0.0	96	78299	21.0	
130 1,1'-Biphenyl	154	9.267	9.267	0.0	94	234665	21.3	
147 2,3,4,6-Tetrachlorophenol	232	10.405	10.405	0.0	92	31485	17.1	
170 Atrazine	200	11.394	11.394	0.0	87	46038	18.7	

Report Date: 08-Sep-2011 09:35:54

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4792.D

Injection Date: 07-Sep-2011 16:37:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973W

Lims Batch ID: 30276

Lims Sample ID: 12

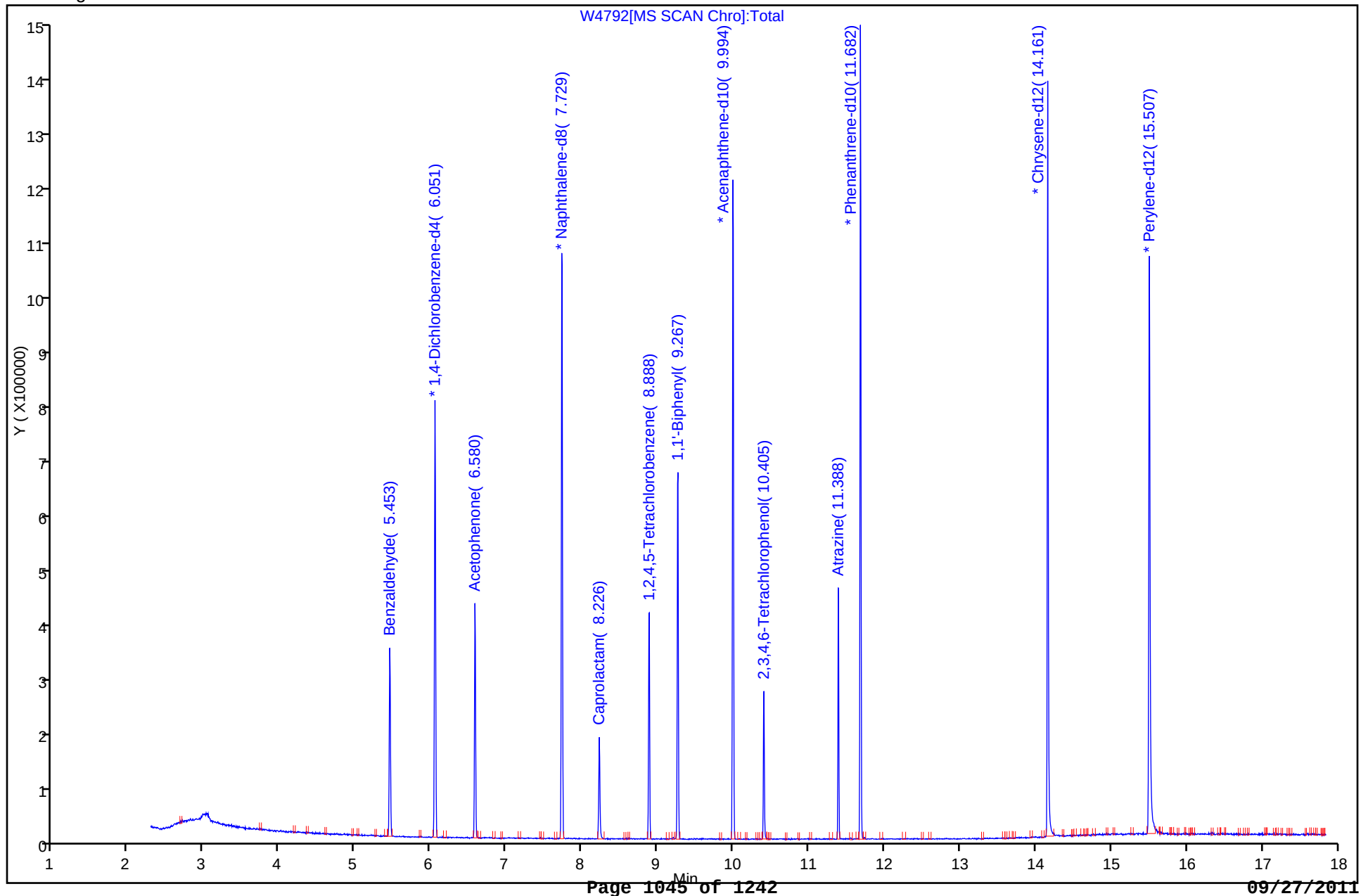
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4793.D
 Lims ID: IC TCLADD 5 Client ID:
 Inject. Date: 07-Sep-2011 17:01:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 480-0005793-013
 Misc. Info.: IC TCLADD 5 =IC TCLADD 5
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 30276 Lims Sample ID: 13
 Sublist: chrom-W-8270*sub2
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W-8270.m
 Last Update: 08-Sep-2011 09:36:25 Calib Date: 07-Sep-2011 19:22:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4799.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

Date: 08-Sep-2011 09:36:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.051	6.051	0.0	95	121298	40.0	
* 2 Naphthalene-d8	136	7.729	7.729	0.0	100	506062	40.0	
* 3 Acenaphthene-d10	164	9.994	9.999	-0.005	99	270347	40.0	
* 4 Phenanthrene-d10	188	11.682	11.682	0.0	99	465005	40.0	
* 5 Chrysene-d12	240	14.161	14.161	0.0	98	416263	40.0	
* 6 Perylene-d12	264	15.507	15.507	0.0	98	428516	40.0	
71 Benzaldehyde	77	5.453	5.453	0.0	84	16451	4.48	
86 Acetophenone	105	6.580	6.580	0.0	90	29013	4.75	
114 Caprolactam	113	8.220	8.220	0.0	44	3424	5.07	
124 1,2,4,5-Tetrachlorobenzene	216	8.888	8.888	0.0	75	18609	5.24	
130 1,1'-Biphenyl	154	9.262	9.267	-0.005	87	55605	5.30	
147 2,3,4,6-Tetrachlorophenol	232	10.405	10.405	0.0	31	4808	5.37	
170 Atrazine	200	11.388	11.388	0.0	47	8247	3.74	

Report Date: 08-Sep-2011 09:36:25

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4793.D

Injection Date: 07-Sep-2011 17:01:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973W

Lims Batch ID: 30276

Lims Sample ID: 13

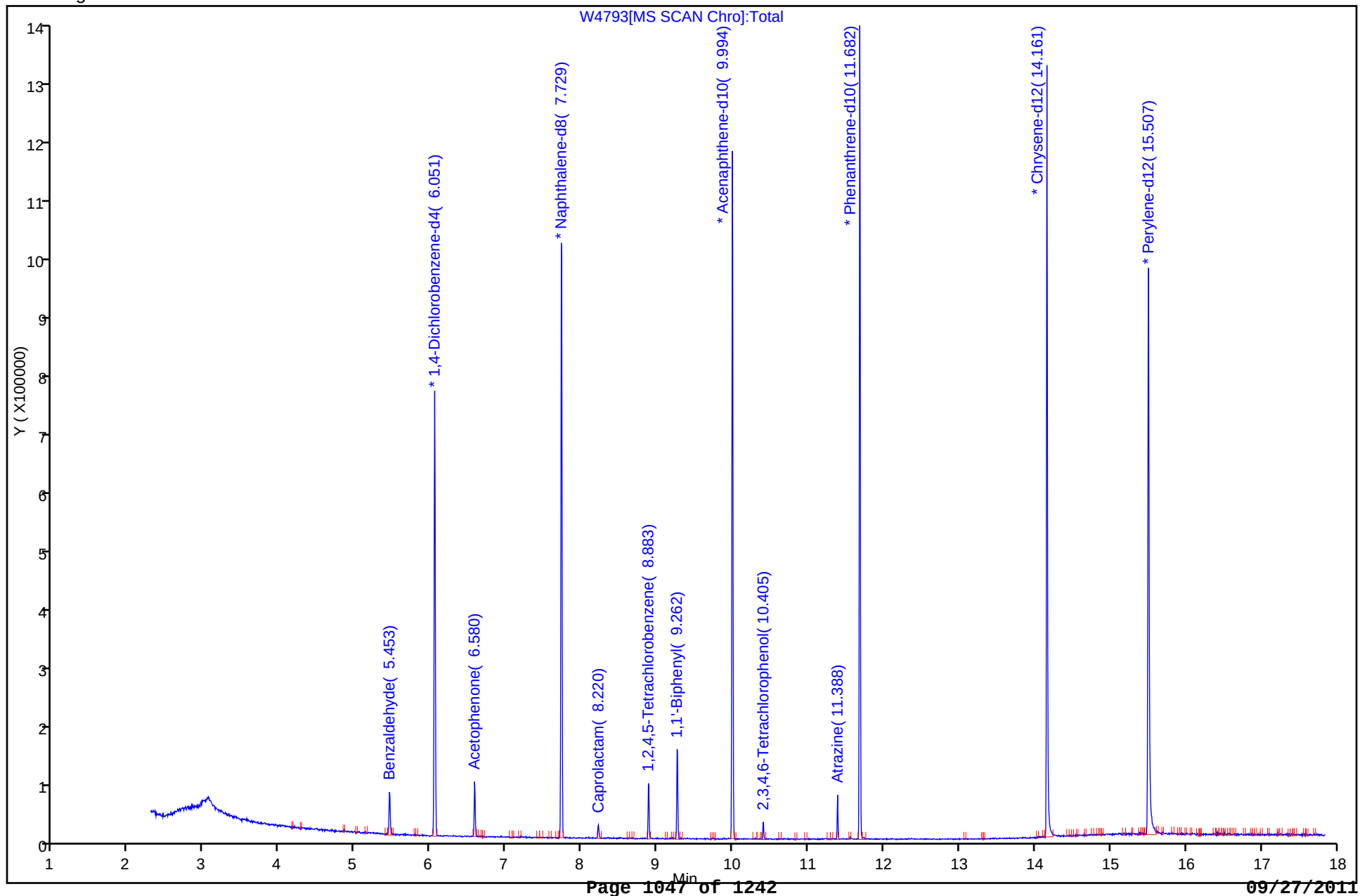
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab Sample ID: CCVIS 480-30771/2 Calibration Date: 09/12/2011 07:34
Instrument ID: HP5973V Calib Start Date: 07/13/2011 13:15
GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 07/13/2011 15:13
Lab File ID: V4914.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dimethylbenzidine	Ave	0.6829		0.0100		50000		100.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4914.D
 Lims ID: CCVIS - 8270 Client ID:
 Inject. Date: 12-Sep-2011 07:34:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: CCVIS - 8270
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 30771 Lims Sample ID: 2
 Sublist: chrom-V-8270*sub13
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V-8270.m
 Last Update: 12-Sep-2011 09:53:16 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 12-Sep-2011 07:58:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.856	5.856	0.0	95	112723	40.0	
* 2 Naphthalene-d8	136	7.571	7.571	0.0	100	420929	40.0	
* 3 Acenaphthene-d10	164	9.847	9.847	0.0	91	245923	40.0	
* 4 Phenanthrene-d10	188	11.551	11.551	0.0	97	421344	40.0	
* 5 Chrysene-d12	240	14.030	14.030	0.0	98	384146	40.0	
* 6 Perylene-d12	264	15.328	15.328	0.0	98	376761	40.0	
\$ 9 2-Fluorophenol	112	4.002	4.002	0.0	91	179164	50.7	
\$ 10 Phenol-d5	99	5.364	5.364	0.0	97	227121	50.8	
\$ 11 Nitrobenzene-d5	82	6.609	6.609	0.0	88	213190	50.6	
\$ 12 2-Fluorobiphenyl	172	8.992	8.992	0.0	99	398621	50.7	
\$ 13 2,4,6-Tribromophenol	330	10.792	10.792	0.0	84	44981	51.3	
\$ 14 p-Terphenyl-d14	244	13.089	13.089	0.0	99	434075	52.3	
81 N-Nitrosodimethylamine	42	2.164	2.164	0.0	81	109657	50.5	
82 Pyridine	52	2.223	2.223	0.0	89	161532	53.8	
89 Phenol	94	5.386	5.386	0.0	87	250876	50.0	
90 Aniline	93	5.391	5.391	0.0	78	282152	48.9	
91 Bis(2-chloroethyl)ether	93	5.487	5.487	0.0	96	187020	50.5	
93 2-Chlorophenol	128	5.567	5.567	0.0	90	188732	49.6	
94 1,3-Dichlorobenzene	146	5.781	5.781	0.0	97	219230	50.2	
95 1,4-Dichlorobenzene	146	5.877	5.877	0.0	82	224248	50.1	
96 Benzyl alcohol	108	6.054	6.054	0.0	91	120193	49.3	
97 1,2-Dichlorobenzene	146	6.091	6.091	0.0	82	208163	49.8	
98 2-Methylphenol	108	6.225	6.225	0.0	97	163205	49.2	
99 2,2'-oxybis[1-chloropropane]	45	6.251	6.251	0.0	88	254629	52.4	
101 N-Nitrosodi-n-propylamine	70	6.422	6.422	0.0	89	135805	48.8	
102 4-Methylphenol	108	6.438	6.438	0.0	93	168748	49.2	
106 Hexachloroethane	117	6.550	6.550	0.0	91	80828	49.5	
107 Nitrobenzene	77	6.636	6.636	0.0	82	213524	50.7	
110 Isophorone	82	6.962	6.962	0.0	97	364004	51.4	
111 2-Nitrophenol	139	7.069	7.069	0.0	98	97832	50.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.154	7.154	0.0	97	189425	50.0	
113 Tetraethyl lead	237	7.224	7.224	0.0	91	63823	44.8	
115 Bis(2-chloroethoxy)methane	93	7.266	7.266	0.0	99	207356	51.2	
119 Benzoic acid	105	7.357	7.357	0.0	86	373880	142.7	
117 2,4-Dichlorophenol	162	7.400	7.400	0.0	92	149659	50.6	
120 1,2,4-Trichlorobenzene	180	7.507	7.507	0.0	93	166745	50.6	
121 Naphthalene	128	7.597	7.597	0.0	95	528164	51.0	
123 4-Chloroaniline	127	7.678	7.678	0.0	84	216478	50.6	
126 Hexachlorobutadiene	225	7.795	7.795	0.0	97	91502	49.0	
131 4-Chloro-3-methylphenol	107	8.340	8.340	0.0	90	161480	50.1	
133 2-Methylnaphthalene	142	8.511	8.511	0.0	88	365307	51.3	
136 Hexachlorocyclopentadiene	237	8.735	8.735	0.0	92	108813	50.1	
139 2,4,6-Trichlorophenol	196	8.885	8.885	0.0	92	109339	52.2	
140 2,4,5-Trichlorophenol	196	8.933	8.933	0.0	93	113205	49.8	
143 2-Chloronaphthalene	162	9.136	9.136	0.0	97	346128	51.4	
145 2-Nitroaniline	65	9.270	9.270	0.0	72	109877	51.2	
147 Dimethyl phthalate	163	9.521	9.521	0.0	98	402633	51.5	
148 2,6-Dinitrotoluene	165	9.585	9.585	0.0	95	91871	51.4	
149 Acenaphthylene	152	9.660	9.660	0.0	89	547293	51.5	
150 3-Nitroaniline	138	9.798	9.798	0.0	93	95920	50.2	
151 Acenaphthene	153	9.889	9.889	0.0	93	336742	50.6	
152 2,4-Dinitrophenol	184	9.927	9.927	0.0	58	48164	46.5	
153 4-Nitrophenol	109	10.034	10.034	0.0	94	56457	46.4	
154 2,4-Dinitrotoluene	165	10.092	10.092	0.0	90	125561	51.6	
155 Dibenzofuran	168	10.103	10.103	0.0	86	492851	50.9	
160 Diethyl phthalate	149	10.397	10.397	0.0	96	411941	51.8	
161 Fluorene	166	10.514	10.514	0.0	82	404036	50.9	
162 4-Chlorophenyl phenyl ether	204	10.520	10.520	0.0	80	191489	51.0	
164 4-Nitroaniline	138	10.541	10.541	0.0	43	98195	50.6	
166 4,6-Dinitro-2-methylphenol	198	10.584	10.584	0.0	85	73237	51.9	
167 N-Nitrosodiphenylamine	169	10.659	10.659	0.0	57	289136	51.3	
168 1,2-Diphenylhydrazine	77	10.701	10.701	0.0	98	418451	51.3	
176 4-Bromophenyl phenyl ether	248	11.075	11.075	0.0	61	104547	50.9	
177 Hexachlorobenzene	284	11.155	11.155	0.0	87	105335	51.0	
181 Pentachlorophenol	266	11.364	11.364	0.0	86	58798	46.0	
185 Phenanthrene	178	11.572	11.572	0.0	95	580061	51.4	
188 Anthracene	178	11.626	11.626	0.0	97	583767	51.3	
189 Carbazole	167	11.796	11.796	0.0	82	539076	50.9	
192 Di-n-butyl phthalate	149	12.149	12.149	0.0	100	675641	53.1	
203 3,3'-Dimethylbenzidine	212		12.569					
197 Fluoranthene	202	12.747	12.747	0.0	97	627441	51.7	
198 Benzidine	184	12.860	12.860	0.0	98	267169	41.7	
199 Pyrene	202	12.956	12.956	0.0	98	634720	52.4	
205 Butyl benzyl phthalate	149	13.517	13.517	0.0	98	310373	53.0	
208 3,3'-Dichlorobenzidine	252	13.987	13.987	0.0	65	205420	50.5	
210 Bis(2-ethylhexyl) phthalate	149	14.008	14.008	0.0	95	432561	53.3	
209 Benzo[a]anthracene	228	14.019	14.019	0.0	93	569619	50.9	
211 Chrysene	228	14.051	14.051	0.0	91	549458	50.6	
212 Di-n-octyl phthalate	149	14.542	14.542	0.0	99	679862	54.1	
213 Benzo[b]fluoranthene	252	14.959	14.959	0.0	90	544133	49.7	
214 Benzo[k]fluoranthene	252	14.986	14.986	0.0	98	608112	53.0	
217 Benzo[a]pyrene	252	15.274	15.274	0.0	72	468853	51.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.476	16.476	0.0	89	540024	48.4	
220 Dibenz(a,h)anthracene	278	16.482	16.482	0.0	59	463274	49.6	
221 Benzo[g,h,i]perylene	276	16.808	16.808	0.0	89	421162	47.4	
S 222 Total Cresols	1				0		98.4	
S 77 3 & 4 Methylphenol	108				0		49.2	
S 78 3-Methylphenol	1				0		49.2	

Chrom Revision: 2.0 01-Sep-2011 14:10:00

\\Bufchrom\\ChromData\\HP5973V\\20110912-5869.b\\V4914.D

Limit Group: MB - 8270C ICAL

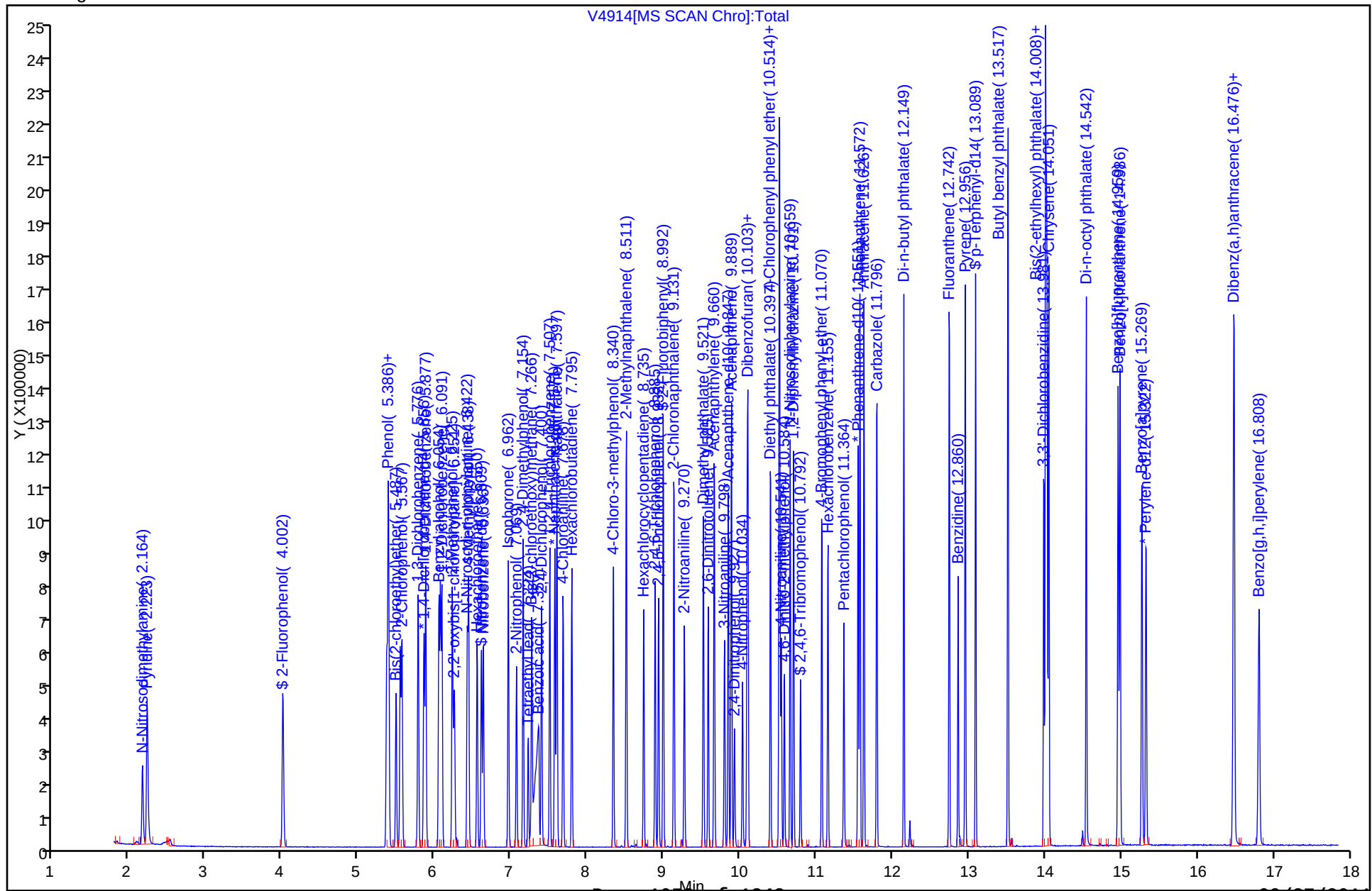
Instrument ID: HP5973V

Lims Sample ID: 2

Injection Vol: 1.00 ul

Column Dia: 0.25 mm

V4914[MS SCAN Chro]:Total



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-30771/2 Calibration Date: 09/12/2011 07:34

Instrument ID: HP5973V Calib Start Date: 09/08/2011 08:42

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/08/2011 10:41

Lab File ID: V4914.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.7708	0.7782	0.0100	50500	50000	1.0	25.0
Pyridine	Ave	1.066	1.146	0.0100	53800	50000	7.6	100.0
Phenol	Ave	1.782	1.780	0.0100	50000	50000	-0.0	20.0
Aniline	Ave	2.047	2.002	0.0100	48900	50000	-2.2	100.0
Bis(2-chloroethyl)ether	Ave	1.315	1.327	0.0100	50500	50000	0.9	25.0
2-Chlorophenol	Ave	1.351	1.339	0.0100	49600	50000	-0.9	25.0
1,3-Dichlorobenzene	Ave	1.550	1.556	0.0100	50200	50000	0.4	25.0
1,4-Dichlorobenzene	Ave	1.588	1.592	0.0100	50100	50000	0.2	20.0
Benzyl alcohol	Ave	0.8655	0.8530	0.0100	49300	50000	-1.4	100.0
1,2-Dichlorobenzene	Ave	1.483	1.477	0.0100	49800	50000	-0.4	25.0
2-Methylphenol	Ave	1.178	1.158	0.0100	49200	50000	-1.6	25.0
bis (2-chloroisopropyl) ether	Ave	1.725	1.807	0.0100	52400	50000	4.8	25.0
N-Nitrosodi-n-propylamine	Ave	0.9875	0.9638	0.0500	48800	50000	-2.4	25.0
4-Methylphenol	Ave	1.216	1.198	0.0100	49200	50000	-1.6	25.0
Hexachloroethane	Ave	0.5800	0.5736	0.0100	49500	50000	-1.1	25.0
Nitrobenzene	Ave	0.3999	0.4058	0.0100	50700	50000	1.5	25.0
Isophorone	Ave	0.6727	0.6918	0.0100	51400	50000	2.8	25.0
2-Nitrophenol	Ave	0.1840	0.1859	0.0100	50500	50000	1.0	20.0
2,4-Dimethylphenol	Ave	0.3603	0.3600	0.0100	50000	50000	-0.0	25.0
Tetraethyl lead	Ave	0.1354	0.1213	0.0100	44800	50000	-10.4	40.0
Bis(2-chloroethoxy)methane	Ave	0.3850	0.3941	0.0100	51200	50000	2.4	25.0
Benzoic acid	Ave	0.2490	0.2369	0.0100	143000	150000	-4.9	25.0
2,4-Dichlorophenol	Ave	0.2809	0.2844	0.0100	50600	50000	1.3	20.0
1,2,4-Trichlorobenzene	Ave	0.3130	0.3169	0.0100	50600	50000	1.3	25.0
Naphthalene	Ave	0.9838	1.004	0.0100	51000	50000	2.0	25.0
4-Chloroaniline	Ave	0.4062	0.4114	0.0100	50600	50000	1.3	25.0
Hexachlorobutadiene	Ave	0.1773	0.1739	0.0100	49000	50000	-1.9	20.0
4-Chloro-3-methylphenol	Ave	0.3061	0.3069	0.0100	50100	50000	0.3	20.0
2-Methylnaphthalene	Ave	0.6767	0.6943	0.0100	51300	50000	2.6	25.0
Hexachlorocyclopentadiene	Ave	0.3535	0.3540	0.0500	50100	50000	0.1	25.0
2,4,6-Trichlorophenol	Ave	0.3409	0.3557	0.0100	52200	50000	4.3	20.0
2,4,5-Trichlorophenol	Ave	0.3697	0.3683	0.0100	49800	50000	-0.4	25.0
2-Chloronaphthalene	Ave	1.096	1.126	0.0100	51400	50000	2.8	25.0
2-Nitroaniline	Ave	0.3492	0.3574	0.0100	51200	50000	2.4	25.0
Dimethyl phthalate	Ave	1.272	1.310	0.0100	51500	50000	2.9	25.0
2,6-Dinitrotoluene	Ave	0.2906	0.2989	0.0100	51400	50000	2.8	25.0
Acenaphthylene	Ave	1.728	1.780	0.0100	51500	50000	3.0	25.0
3-Nitroaniline	Ave	0.3111	0.3120	0.0100	50200	50000	0.3	25.0
Acenaphthene	Ave	1.083	1.095	0.0100	50600	50000	1.1	20.0
2,4-Dinitrophenol	Lin1		0.1567	0.0500	46500	50000	-7.0	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-30771/2 Calibration Date: 09/12/2011 07:34

Instrument ID: HP5973V Calib Start Date: 09/08/2011 08:42

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/08/2011 10:41

Lab File ID: V4914.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitrophenol	Ave	0.1978	0.1837	0.0500	46400	50000	-7.2	25.0
2,4-Dinitrotoluene	Ave	0.3955	0.4085	0.0100	51600	50000	3.3	25.0
Dibenzofuran	Ave	1.575	1.603	0.0100	50900	50000	1.8	25.0
Diethyl phthalate	Ave	1.294	1.340	0.0100	51800	50000	3.6	25.0
Fluorene	Ave	1.291	1.314	0.0100	50900	50000	1.8	25.0
4-Chlorophenyl phenyl ether	Ave	0.6104	0.6229	0.0100	51000	50000	2.0	25.0
4-Nitroaniline	Ave	0.3155	0.3194	0.0100	50600	50000	1.3	25.0
4,6-Dinitro-2-methylphenol	Ave	0.1341	0.1391	0.0100	51900	50000	3.7	25.0
N-Nitrosodiphenylamine	Ave	0.5352	0.5490	0.0100	51300	50000	2.6	20.0
1,2-Diphenylhydrazine	Ave	1.328	1.361	0.0100	51300	50000	2.5	25.0
4-Bromophenyl phenyl ether	Ave	0.1950	0.1985	0.0100	50900	50000	1.8	25.0
Hexachlorobenzene	Ave	0.1961	0.2000	0.0100	51000	50000	2.0	25.0
Pentachlorophenol	Lin1		0.1116	0.0100	46000	50000	-8.0	20.0
Phenanthrene	Ave	1.071	1.101	0.0100	51400	50000	2.9	25.0
Anthracene	Ave	1.080	1.108	0.0100	51300	50000	2.6	25.0
Carbazole	Ave	1.005	1.024	0.0100	50900	50000	1.8	25.0
Di-n-butyl phthalate	Ave	1.207	1.283	0.0100	53100	50000	6.2	25.0
Fluoranthene	Ave	1.152	1.191	0.0100	51700	50000	3.4	20.0
Benzidine	Ave	0.6676	0.5564	0.0100	41700	50000	-16.7	25.0
Pyrene	Ave	1.262	1.322	0.0100	52400	50000	4.8	25.0
Butyl benzyl phthalate	Ave	0.6102	0.6464	0.0100	53000	50000	5.9	25.0
3,3'-Dichlorobenzidine	Ave	0.4237	0.4278	0.0100	50500	50000	1.0	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.8458	0.9008	0.0100	53300	50000	6.5	25.0
Benzo(a)anthracene	Ave	1.166	1.186	0.0100	50900	50000	1.7	25.0
Chrysene	Ave	1.131	1.144	0.0100	50600	50000	1.2	25.0
Di-n-octyl phthalate	Ave	1.309	1.416	0.0100	54100	50000	8.2	20.0
Benzo(b)fluoranthene	Ave	1.162	1.155	0.0100	49700	50000	-0.6	25.0
Benzo(k)fluoranthene	Ave	1.218	1.291	0.0100	53000	50000	6.0	25.0
Benzo(a)pyrene	Ave	0.9749	0.996	0.0100	51100	50000	2.1	20.0
Indeno(1,2,3-cd)pyrene	Ave	1.184	1.147	0.0100	48400	50000	-3.1	25.0
Dibenz(a,h)anthracene	Ave	0.9917	0.9837	0.0100	49600	50000	-0.8	25.0
Benzo(g,h,i)perylene	Ave	0.9429	0.8943	0.0100	47400	50000	-5.2	25.0
2-Fluorophenol	Ave	1.253	1.272	0.0100	50700	50000	1.5	25.0
Phenol-d5	Ave	1.586	1.612	0.0100	50800	50000	1.6	25.0
Nitrobenzene-d5	Ave	0.4002	0.4052	0.0100	50600	50000	1.2	25.0
2-Fluorobiphenyl	Ave	1.279	1.297	0.0100	50700	50000	1.4	25.0
2,4,6-Tribromophenol	Ave	0.0833	0.0854	0.0100	51300	50000	2.5	25.0
p-Terphenyl-d14	Ave	0.8637	0.9040	0.0100	52300	50000	4.7	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4914.D
 Lims ID: CCVIS - 8270 Client ID:
 Inject. Date: 12-Sep-2011 07:34:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: CCVIS - 8270
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 30771 Lims Sample ID: 2
 Sublist: chrom-V-8270*sub13
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V-8270.m
 Last Update: 12-Sep-2011 09:53:16 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 12-Sep-2011 07:58:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.856	5.856	0.0	95	112723	40.0	
* 2 Naphthalene-d8	136	7.571	7.571	0.0	100	420929	40.0	
* 3 Acenaphthene-d10	164	9.847	9.847	0.0	91	245923	40.0	
* 4 Phenanthrene-d10	188	11.551	11.551	0.0	97	421344	40.0	
* 5 Chrysene-d12	240	14.030	14.030	0.0	98	384146	40.0	
* 6 Perylene-d12	264	15.328	15.328	0.0	98	376761	40.0	
\$ 9 2-Fluorophenol	112	4.002	4.002	0.0	91	179164	50.7	
\$ 10 Phenol-d5	99	5.364	5.364	0.0	97	227121	50.8	
\$ 11 Nitrobenzene-d5	82	6.609	6.609	0.0	88	213190	50.6	
\$ 12 2-Fluorobiphenyl	172	8.992	8.992	0.0	99	398621	50.7	
\$ 13 2,4,6-Tribromophenol	330	10.792	10.792	0.0	84	44981	51.3	
\$ 14 p-Terphenyl-d14	244	13.089	13.089	0.0	99	434075	52.3	
81 N-Nitrosodimethylamine	42	2.164	2.164	0.0	81	109657	50.5	
82 Pyridine	52	2.223	2.223	0.0	89	161532	53.8	
89 Phenol	94	5.386	5.386	0.0	87	250876	50.0	
90 Aniline	93	5.391	5.391	0.0	78	282152	48.9	
91 Bis(2-chloroethyl)ether	93	5.487	5.487	0.0	96	187020	50.5	
93 2-Chlorophenol	128	5.567	5.567	0.0	90	188732	49.6	
94 1,3-Dichlorobenzene	146	5.781	5.781	0.0	97	219230	50.2	
95 1,4-Dichlorobenzene	146	5.877	5.877	0.0	82	224248	50.1	
96 Benzyl alcohol	108	6.054	6.054	0.0	91	120193	49.3	
97 1,2-Dichlorobenzene	146	6.091	6.091	0.0	82	208163	49.8	
98 2-Methylphenol	108	6.225	6.225	0.0	97	163205	49.2	
99 2,2'-oxybis[1-chloropropane]	45	6.251	6.251	0.0	88	254629	52.4	
101 N-Nitrosodi-n-propylamine	70	6.422	6.422	0.0	89	135805	48.8	
102 4-Methylphenol	108	6.438	6.438	0.0	93	168748	49.2	
106 Hexachloroethane	117	6.550	6.550	0.0	91	80828	49.5	
107 Nitrobenzene	77	6.636	6.636	0.0	82	213524	50.7	
110 Isophorone	82	6.962	6.962	0.0	97	364004	51.4	
111 2-Nitrophenol	139	7.069	7.069	0.0	98	97832	50.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.154	7.154	0.0	97	189425	50.0	
113 Tetraethyl lead	237	7.224	7.224	0.0	91	63823	44.8	
115 Bis(2-chloroethoxy)methane	93	7.266	7.266	0.0	99	207356	51.2	
119 Benzoic acid	105	7.357	7.357	0.0	86	373880	142.7	
117 2,4-Dichlorophenol	162	7.400	7.400	0.0	92	149659	50.6	
120 1,2,4-Trichlorobenzene	180	7.507	7.507	0.0	93	166745	50.6	
121 Naphthalene	128	7.597	7.597	0.0	95	528164	51.0	
123 4-Chloroaniline	127	7.678	7.678	0.0	84	216478	50.6	
126 Hexachlorobutadiene	225	7.795	7.795	0.0	97	91502	49.0	
131 4-Chloro-3-methylphenol	107	8.340	8.340	0.0	90	161480	50.1	
133 2-Methylnaphthalene	142	8.511	8.511	0.0	88	365307	51.3	
136 Hexachlorocyclopentadiene	237	8.735	8.735	0.0	92	108813	50.1	
139 2,4,6-Trichlorophenol	196	8.885	8.885	0.0	92	109339	52.2	
140 2,4,5-Trichlorophenol	196	8.933	8.933	0.0	93	113205	49.8	
143 2-Chloronaphthalene	162	9.136	9.136	0.0	97	346128	51.4	
145 2-Nitroaniline	65	9.270	9.270	0.0	72	109877	51.2	
147 Dimethyl phthalate	163	9.521	9.521	0.0	98	402633	51.5	
148 2,6-Dinitrotoluene	165	9.585	9.585	0.0	95	91871	51.4	
149 Acenaphthylene	152	9.660	9.660	0.0	89	547293	51.5	
150 3-Nitroaniline	138	9.798	9.798	0.0	93	95920	50.2	
151 Acenaphthene	153	9.889	9.889	0.0	93	336742	50.6	
152 2,4-Dinitrophenol	184	9.927	9.927	0.0	58	48164	46.5	
153 4-Nitrophenol	109	10.034	10.034	0.0	94	56457	46.4	
154 2,4-Dinitrotoluene	165	10.092	10.092	0.0	90	125561	51.6	
155 Dibenzofuran	168	10.103	10.103	0.0	86	492851	50.9	
160 Diethyl phthalate	149	10.397	10.397	0.0	96	411941	51.8	
161 Fluorene	166	10.514	10.514	0.0	82	404036	50.9	
162 4-Chlorophenyl phenyl ether	204	10.520	10.520	0.0	80	191489	51.0	
164 4-Nitroaniline	138	10.541	10.541	0.0	43	98195	50.6	
166 4,6-Dinitro-2-methylphenol	198	10.584	10.584	0.0	85	73237	51.9	
167 N-Nitrosodiphenylamine	169	10.659	10.659	0.0	57	289136	51.3	
168 1,2-Diphenylhydrazine	77	10.701	10.701	0.0	98	418451	51.3	
176 4-Bromophenyl phenyl ether	248	11.075	11.075	0.0	61	104547	50.9	
177 Hexachlorobenzene	284	11.155	11.155	0.0	87	105335	51.0	
181 Pentachlorophenol	266	11.364	11.364	0.0	86	58798	46.0	
185 Phenanthrene	178	11.572	11.572	0.0	95	580061	51.4	
188 Anthracene	178	11.626	11.626	0.0	97	583767	51.3	
189 Carbazole	167	11.796	11.796	0.0	82	539076	50.9	
192 Di-n-butyl phthalate	149	12.149	12.149	0.0	100	675641	53.1	
203 3,3'-Dimethylbenzidine	212		12.569					
197 Fluoranthene	202	12.747	12.747	0.0	97	627441	51.7	
198 Benzidine	184	12.860	12.860	0.0	98	267169	41.7	
199 Pyrene	202	12.956	12.956	0.0	98	634720	52.4	
205 Butyl benzyl phthalate	149	13.517	13.517	0.0	98	310373	53.0	
208 3,3'-Dichlorobenzidine	252	13.987	13.987	0.0	65	205420	50.5	
210 Bis(2-ethylhexyl) phthalate	149	14.008	14.008	0.0	95	432561	53.3	
209 Benzo[a]anthracene	228	14.019	14.019	0.0	93	569619	50.9	
211 Chrysene	228	14.051	14.051	0.0	91	549458	50.6	
212 Di-n-octyl phthalate	149	14.542	14.542	0.0	99	679862	54.1	
213 Benzo[b]fluoranthene	252	14.959	14.959	0.0	90	544133	49.7	
214 Benzo[k]fluoranthene	252	14.986	14.986	0.0	98	608112	53.0	
217 Benzo[a]pyrene	252	15.274	15.274	0.0	72	468853	51.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.476	16.476	0.0	89	540024	48.4	
220 Dibenz(a,h)anthracene	278	16.482	16.482	0.0	59	463274	49.6	
221 Benzo[g,h,i]perylene	276	16.808	16.808	0.0	89	421162	47.4	
S 222 Total Cresols	1				0		98.4	
S 77 3 & 4 Methylphenol	108				0		49.2	
S 78 3-Methylphenol	1				0		49.2	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab Sample ID: CCV 480-30771/3 Calibration Date: 09/12/2011 07:58
Instrument ID: HP5973V Calib Start Date: 09/02/2011 13:24
GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/02/2011 15:23
Lab File ID: V4915.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.150	1.078	0.0100	46900	50000	-6.2	40.0
Acetophenone	Ave	1.879	1.767	0.0100	47000	50000	-5.9	40.0
Caprolactam	Lin1		0.1014	0.0100	51100	50000	2.2	40.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4907	0.5231	0.0100	53300	50000	6.6	40.0
Biphenyl	Ave	1.482	1.548	0.0100	52200	50000	4.5	40.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2458	0.0100	54000	50000	8.0	40.0
Atrazine	Ave	0.3021	0.3391	0.0100	56100	50000	12.2	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4915.D
 Lims ID: CCV - TCLADDS Client ID:
 Inject. Date: 12-Sep-2011 07:58:30 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: CCV
 Misc. Info.: CCV - TCLADDS
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 30771 Lims Sample ID: 3
 Sublist: chrom-V-8270*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V-8270.m
 Last Update: 12-Sep-2011 09:53:16 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

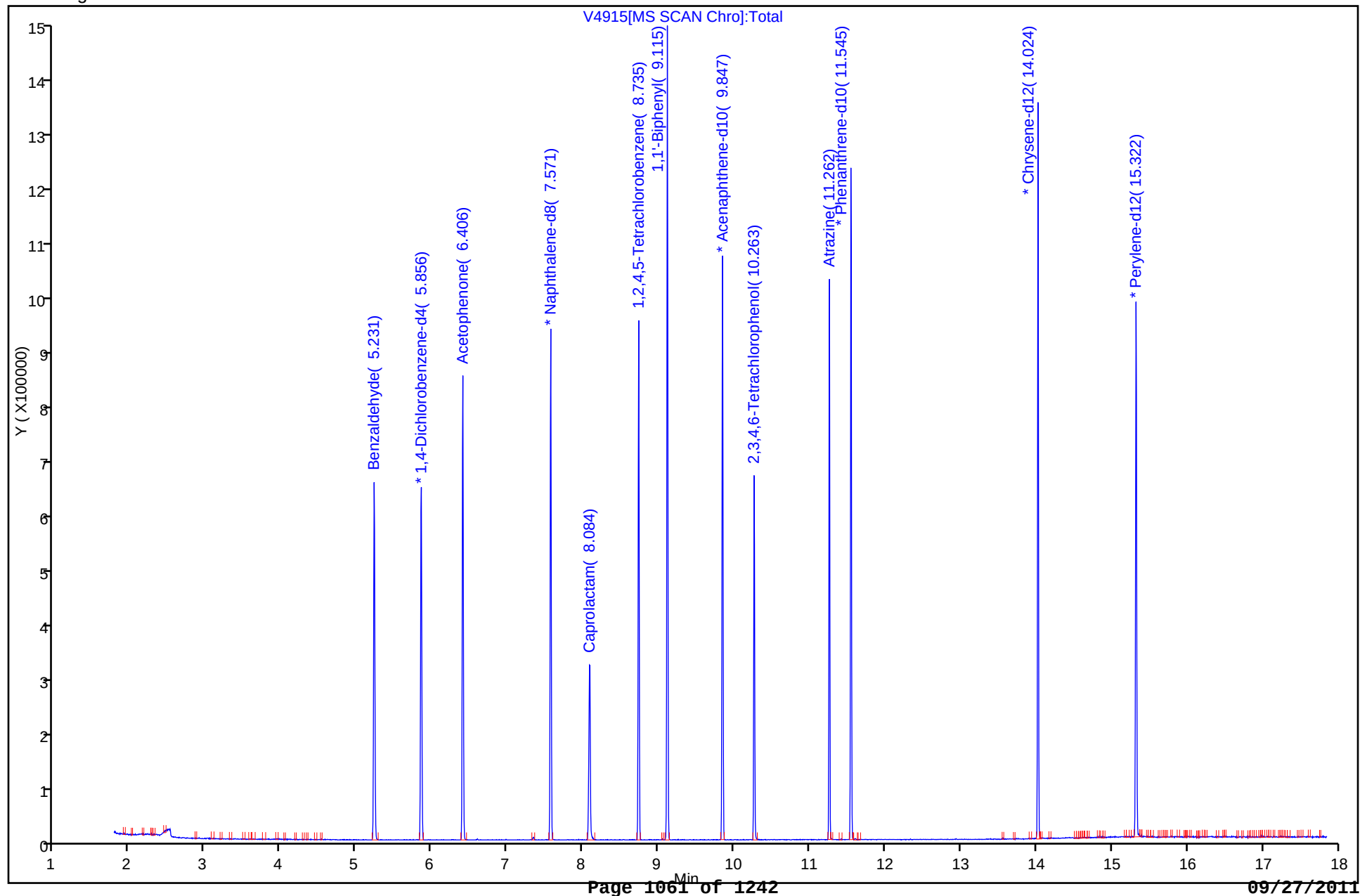
Date: 12-Sep-2011 08:33:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.856	5.856	0.0	96	109048	40.0	
* 2 Naphthalene-d8	136	7.571	7.571	0.0	99	413205	40.0	
* 3 Acenaphthene-d10	164	9.847	9.847	0.0	91	232021	40.0	
* 4 Phenanthrene-d10	188	11.545	11.545	0.0	97	396421	40.0	
* 5 Chrysene-d12	240	14.024	14.024	0.0	98	376051	40.0	
* 6 Perylene-d12	264	15.322	15.322	0.0	98	350654	40.0	
88 Benzaldehyde	77	5.231	5.231	0.0	90	146980	46.9	
104 Acetophenone	105	6.406	6.406	0.0	93	240895	47.0	
127 Caprolactam	113	8.089	8.089	0.0	68	52349	51.1	
138 1,2,4,5-Tetrachlorobenzene	216	8.735	8.735	0.0	99	151716	53.3	
144 1,1'-Biphenyl	154	9.115	9.115	0.0	94	448852	52.2	
158 2,3,4,6-Tetrachlorophenol	232	10.263	10.263	0.0	76	71280	54.0	
180 Atrazine	200	11.262	11.262	0.0	91	98348	56.1	

Report Date: 12-Sep-2011 09:53:16
Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4915.D
Injection Date: 12-Sep-2011 07:58:30
Client ID:
Lims Batch ID: 30771
Operator ID: MKP
Column Type: RXI-5Sil MS

Chrom Revision: 2.0 01-Sep-2011 14:10:00
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973V
Lims Sample ID: 3
Injection Vol: 1.00 ul
Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab Sample ID: CCVIS 480-30945/2 Calibration Date: 09/13/2011 07:36
Instrument ID: HP5973V Calib Start Date: 07/13/2011 13:15
GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 07/13/2011 15:13
Lab File ID: V4958.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dimethylbenzidine	Ave	0.6829		0.0100		50000		100.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110913-5905.b\4958.D
 Lims ID: CCVIS - 8270 Client ID:
 Inject. Date: 13-Sep-2011 07:36:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: CCVIS - 8270
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 30945 Lims Sample ID: 2
 Sublist: chrom-V-8270*sub13
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110913-5905.b\4958.D
 Last Update: 13-Sep-2011 09:38:59 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 13-Sep-2011 07:59:36

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.829	5.829	0.0	96	113979	40.0	
* 2 Naphthalene-d8	136	7.549	7.549	0.0	99	428500	40.0	
* 3 Acenaphthene-d10	164	9.825	9.825	0.0	91	249355	40.0	
* 4 Phenanthrene-d10	188	11.529	11.529	0.0	97	414800	40.0	
* 5 Chrysene-d12	240	14.008	14.008	0.0	96	384655	40.0	
* 6 Perylene-d12	264	15.301	15.301	0.0	99	378275	40.0	
\$ 9 2-Fluorophenol	112	3.965	3.965	0.0	92	185837	52.0	
\$ 10 Phenol-d5	99	5.338	5.338	0.0	97	233537	51.7	
\$ 11 Nitrobenzene-d5	82	6.588	6.588	0.0	87	216185	50.4	
\$ 12 2-Fluorobiphenyl	172	8.976	8.976	0.0	99	406338	50.9	
\$ 13 2,4,6-Tribromophenol	330	10.776	10.776	0.0	90	43451	50.3	
\$ 14 p-Terphenyl-d14	244	13.073	13.073	0.0	99	425734	51.3	
81 N-Nitrosodimethylamine	42	2.116	2.116	0.0	87	113240	51.6	
82 Pyridine	52	2.175	2.175	0.0	91	169106	55.7	
89 Phenol	94	5.359	5.359	0.0	87	258384	50.9	
90 Aniline	93	5.364	5.364	0.0	82	287882	49.4	
91 Bis(2-chloroethyl)ether	93	5.466	5.466	0.0	95	189934	50.7	
93 2-Chlorophenol	128	5.541	5.541	0.0	91	194171	50.4	
94 1,3-Dichlorobenzene	146	5.754	5.754	0.0	96	227868	51.6	
95 1,4-Dichlorobenzene	146	5.856	5.856	0.0	83	229405	50.7	
96 Benzyl alcohol	108	6.027	6.027	0.0	90	125274	50.8	
97 1,2-Dichlorobenzene	146	6.064	6.064	0.0	88	211116	50.0	
98 2-Methylphenol	108	6.203	6.203	0.0	97	167148	49.8	
99 2,2'-oxybis[1-chloropropane]	45	6.230	6.230	0.0	91	265493	54.0	
101 N-Nitrosodi-n-propylamine	70	6.401	6.401	0.0	89	137926	49.0	
102 4-Methylphenol	108	6.417	6.417	0.0	94	174555	50.4	
106 Hexachloroethane	117	6.529	6.529	0.0	96	83404	50.5	
107 Nitrobenzene	77	6.609	6.609	0.0	89	214685	50.1	
110 Isophorone	82	6.940	6.940	0.0	97	363713	50.5	
111 2-Nitrophenol	139	7.047	7.047	0.0	97	100468	51.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.133	7.133	0.0	97	194363	50.4	
113 Tetraethyl lead	237	7.202	7.202	0.0	92	61689	42.5	
115 Bis(2-chloroethoxy)methane	93	7.250	7.250	0.0	99	208182	50.5	
119 Benzoic acid	105	7.336	7.336	0.0	86	364655	136.7	
117 2,4-Dichlorophenol	162	7.373	7.373	0.0	95	148334	49.3	
120 1,2,4-Trichlorobenzene	180	7.485	7.485	0.0	91	168522	50.3	
121 Naphthalene	128	7.576	7.576	0.0	95	535501	50.8	
123 4-Chloroaniline	127	7.662	7.662	0.0	86	220532	50.7	
126 Hexachlorobutadiene	225	7.774	7.774	0.0	97	94140	49.6	
131 4-Chloro-3-methylphenol	107	8.319	8.319	0.0	90	164050	50.0	
133 2-Methylnaphthalene	142	8.490	8.490	0.0	86	367876	50.8	
136 Hexachlorocyclopentadiene	237	8.719	8.719	0.0	94	106037	48.1	
139 2,4,6-Trichlorophenol	196	8.864	8.864	0.0	92	106867	50.3	
140 2,4,5-Trichlorophenol	196	8.912	8.912	0.0	94	113725	49.3	
143 2-Chloronaphthalene	162	9.115	9.115	0.0	97	346157	50.7	
145 2-Nitroaniline	65	9.248	9.248	0.0	80	108117	49.7	
147 Dimethyl phthalate	163	9.499	9.499	0.0	98	392219	49.5	
148 2,6-Dinitrotoluene	165	9.563	9.563	0.0	89	89874	49.6	
149 Acenaphthylene	152	9.644	9.644	0.0	91	546313	50.7	
150 3-Nitroaniline	138	9.777	9.777	0.0	92	97951	50.5	
151 Acenaphthene	153	9.868	9.868	0.0	93	332802	49.3	
152 2,4-Dinitrophenol	184	9.905	9.905	0.0	74	39003	38.4	
153 4-Nitrophenol	109	10.007	10.007	0.0	95	53746	43.6	
154 2,4-Dinitrotoluene	165	10.071	10.071	0.0	91	125416	50.9	
155 Dibenzofuran	168	10.082	10.082	0.0	87	488733	49.8	
160 Diethyl phthalate	149	10.381	10.381	0.0	97	401240	49.7	
161 Fluorene	166	10.493	10.493	0.0	82	396781	49.3	
162 4-Chlorophenyl phenyl ether	204	10.504	10.504	0.0	93	190217	50.0	
164 4-Nitroaniline	138	10.520	10.520	0.0	52	99800	50.7	
166 4,6-Dinitro-2-methylphenol	198	10.562	10.562	0.0	81	70690	50.8	
167 N-Nitrosodiphenylamine	169	10.637	10.637	0.0	57	286831	51.7	
168 1,2-Diphenylhydrazine	77	10.685	10.685	0.0	98	414477	50.1	
176 4-Bromophenyl phenyl ether	248	11.054	11.054	0.0	65	100258	49.6	
177 Hexachlorobenzene	284	11.134	11.134	0.0	91	104604	51.4	
181 Pentachlorophenol	266	11.342	11.342	0.0	85	58638	46.5	
185 Phenanthrene	178	11.556	11.556	0.0	96	577232	52.0	
188 Anthracene	178	11.609	11.609	0.0	97	581318	51.9	
189 Carbazole	167	11.775	11.775	0.0	82	534658	51.3	
192 Di-n-butyl phthalate	149	12.133	12.133	0.0	100	656216	52.4	
203 3,3'-Dimethylbenzidine	212		12.569					
197 Fluoranthene	202	12.726	12.726	0.0	97	612579	51.3	
198 Benzidine	184	12.844	12.844	0.0	97	257837	40.2	
199 Pyrene	202	12.934	12.934	0.0	98	621683	51.2	
205 Butyl benzyl phthalate	149	13.501	13.501	0.0	96	301789	51.4	
208 3,3'-Dichlorobenzidine	252	13.965	13.965	0.0	66	207909	51.0	
210 Bis(2-ethylhexyl) phthalate	149	13.987	13.987	0.0	96	416646	51.2	
209 Benzo[a]anthracene	228	13.997	13.997	0.0	97	561853	50.1	
211 Chrysene	228	14.029	14.029	0.0	92	545101	50.1	
212 Di-n-octyl phthalate	149	14.521	14.521	0.0	100	681256	54.1	
213 Benzo[b]fluoranthene	252	14.938	14.938	0.0	92	568589	51.7	
214 Benzo[k]fluoranthene	252	14.959	14.959	0.0	96	592208	51.4	
217 Benzo[a]pyrene	252	15.248	15.248	0.0	73	471537	51.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.444	16.444	0.0	93	530804	47.4	
220 Dibenz(a,h)anthracene	278	16.450	16.450	0.0	54	446633	47.6	
221 Benzo[g,h,i]perylene	276	16.775	16.775	0.0	90	410584	46.0	
S 222 Total Cresols	1				0		100.2	
S 77 3 & 4 Methylphenol	108				0		50.4	
S 78 3-Methylphenol	1				0		50.4	

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110913-5905.b\V4958.D

Injection Date: 13-Sep-2011 07:36:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 30945

Lims Sample ID: 2

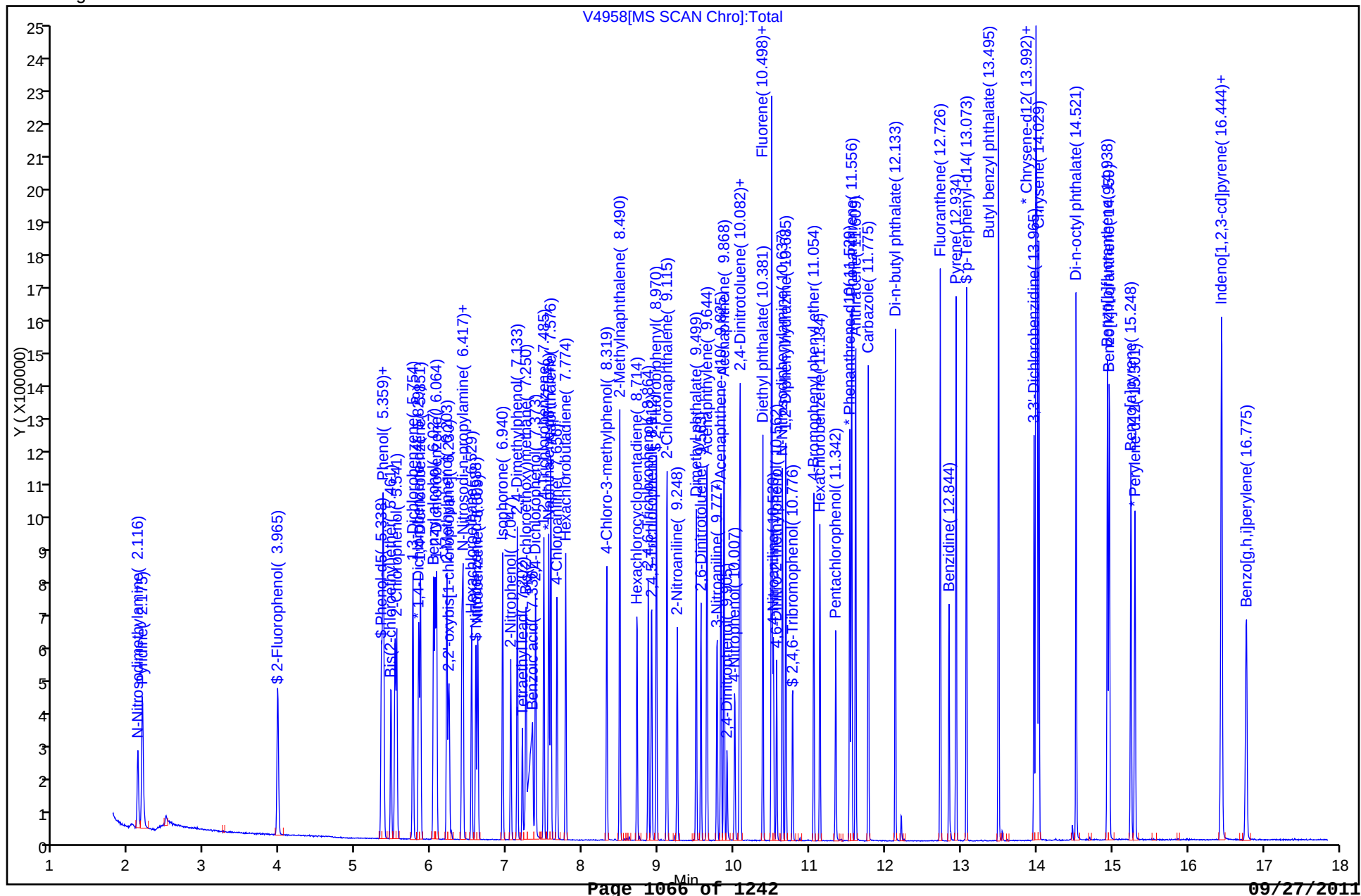
Operator ID:

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-30945/2 Calibration Date: 09/13/2011 07:36

Instrument ID: HP5973V Calib Start Date: 09/08/2011 08:42

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/08/2011 10:41

Lab File ID: V4958.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.7708	0.7948	0.0100	51600	50000	3.1	25.0
Pyridine	Ave	1.066	1.187	0.0100	55700	50000	11.4	100.0
Phenol	Ave	1.782	1.814	0.0100	50900	50000	1.8	20.0
Aniline	Ave	2.047	2.021	0.0100	49400	50000	-1.3	100.0
Bis(2-chloroethyl)ether	Ave	1.315	1.333	0.0100	50700	50000	1.4	25.0
2-Chlorophenol	Ave	1.351	1.363	0.0100	50400	50000	0.9	25.0
1,3-Dichlorobenzene	Ave	1.550	1.599	0.0100	51600	50000	3.2	25.0
1,4-Dichlorobenzene	Ave	1.588	1.610	0.0100	50700	50000	1.4	20.0
Benzyl alcohol	Ave	0.8655	0.8793	0.0100	50800	50000	1.6	100.0
1,2-Dichlorobenzene	Ave	1.483	1.482	0.0100	50000	50000	-0.1	25.0
2-Methylphenol	Ave	1.178	1.173	0.0100	49800	50000	-0.4	25.0
bis (2-chloroisopropyl) ether	Ave	1.725	1.863	0.0100	54000	50000	8.0	25.0
N-Nitrosodi-n-propylamine	Ave	0.9875	0.9681	0.0500	49000	50000	-2.0	25.0
4-Methylphenol	Ave	1.216	1.225	0.0100	50400	50000	0.7	25.0
Hexachloroethane	Ave	0.5800	0.5854	0.0100	50500	50000	0.9	25.0
Nitrobenzene	Ave	0.3999	0.4008	0.0100	50100	50000	0.2	25.0
Isophorone	Ave	0.6727	0.6790	0.0100	50500	50000	0.9	25.0
2-Nitrophenol	Ave	0.1840	0.1876	0.0100	51000	50000	1.9	20.0
2,4-Dimethylphenol	Ave	0.3603	0.3629	0.0100	50400	50000	0.7	25.0
Tetraethyl lead	Ave	0.1354	0.1152	0.0100	42500	50000	-15.0	40.0
Bis(2-chloroethoxy)methane	Ave	0.3850	0.3887	0.0100	50500	50000	0.9	25.0
Benzoic acid	Ave	0.2490	0.2269	0.0100	137000	150000	-8.9	25.0
2,4-Dichlorophenol	Ave	0.2809	0.2769	0.0100	49300	50000	-1.4	20.0
1,2,4-Trichlorobenzene	Ave	0.3130	0.3146	0.0100	50300	50000	0.5	25.0
Naphthalene	Ave	0.9838	1.000	0.0100	50800	50000	1.6	25.0
4-Chloroaniline	Ave	0.4062	0.4117	0.0100	50700	50000	1.4	25.0
Hexachlorobutadiene	Ave	0.1773	0.1758	0.0100	49600	50000	-0.9	20.0
4-Chloro-3-methylphenol	Ave	0.3061	0.3063	0.0100	50000	50000	0.0	20.0
2-Methylnaphthalene	Ave	0.6767	0.6868	0.0100	50800	50000	1.5	25.0
Hexachlorocyclopentadiene	Ave	0.3535	0.3402	0.0500	48100	50000	-3.8	25.0
2,4,6-Trichlorophenol	Ave	0.3409	0.3429	0.0100	50300	50000	0.6	20.0
2,4,5-Trichlorophenol	Ave	0.3697	0.3649	0.0100	49300	50000	-1.3	25.0
2-Chloronaphthalene	Ave	1.096	1.111	0.0100	50700	50000	1.4	25.0
2-Nitroaniline	Ave	0.3492	0.3469	0.0100	49700	50000	-0.7	25.0
Dimethyl phthalate	Ave	1.272	1.258	0.0100	49500	50000	-1.1	25.0
2,6-Dinitrotoluene	Ave	0.2906	0.2883	0.0100	49600	50000	-0.8	25.0
Acenaphthylene	Ave	1.728	1.753	0.0100	50700	50000	1.4	25.0
3-Nitroaniline	Ave	0.3111	0.3143	0.0100	50500	50000	1.0	25.0
Acenaphthene	Ave	1.083	1.068	0.0100	49300	50000	-1.4	20.0
2,4-Dinitrophenol	Lin1		0.1251	0.0500	38400	50000	-23.2	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-30945/2 Calibration Date: 09/13/2011 07:36

Instrument ID: HP5973V Calib Start Date: 09/08/2011 08:42

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/08/2011 10:41

Lab File ID: V4958.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitrophenol	Ave	0.1978	0.1724	0.0500	43600	50000	-12.8	25.0
2,4-Dinitrotoluene	Ave	0.3955	0.4024	0.0100	50900	50000	1.7	25.0
Dibenzofuran	Ave	1.575	1.568	0.0100	49800	50000	-0.5	25.0
Diethyl phthalate	Ave	1.294	1.287	0.0100	49700	50000	-0.5	25.0
Fluorene	Ave	1.291	1.273	0.0100	49300	50000	-1.4	25.0
4-Chlorophenyl phenyl ether	Ave	0.6104	0.6103	0.0100	50000	50000	-0.0	25.0
4-Nitroaniline	Ave	0.3155	0.3202	0.0100	50700	50000	1.5	25.0
4,6-Dinitro-2-methylphenol	Ave	0.1341	0.1363	0.0100	50800	50000	1.7	25.0
N-Nitrosodiphenylamine	Ave	0.5352	0.5532	0.0100	51700	50000	3.4	20.0
1,2-Diphenylhydrazine	Ave	1.328	1.330	0.0100	50100	50000	0.2	25.0
4-Bromophenyl phenyl ether	Ave	0.1950	0.1934	0.0100	49600	50000	-0.8	25.0
Hexachlorobenzene	Ave	0.1961	0.2017	0.0100	51400	50000	2.9	25.0
Pentachlorophenol	Lin1		0.1131	0.0100	46500	50000	-7.0	20.0
Phenanthrene	Ave	1.071	1.113	0.0100	52000	50000	4.0	25.0
Anthracene	Ave	1.080	1.121	0.0100	51900	50000	3.8	25.0
Carbazole	Ave	1.005	1.031	0.0100	51300	50000	2.6	25.0
Di-n-butyl phthalate	Ave	1.207	1.266	0.0100	52400	50000	4.8	25.0
Fluoranthene	Ave	1.152	1.181	0.0100	51300	50000	2.5	20.0
Benzidine	Ave	0.6676	0.5363	0.0100	40200	50000	-19.7	25.0
Pyrene	Ave	1.262	1.293	0.0100	51200	50000	2.5	25.0
Butyl benzyl phthalate	Ave	0.6102	0.6277	0.0100	51400	50000	2.9	25.0
3,3'-Dichlorobenzidine	Ave	0.4237	0.4324	0.0100	51000	50000	2.1	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.8458	0.8665	0.0100	51200	50000	2.4	25.0
Benzo(a)anthracene	Ave	1.166	1.169	0.0100	50100	50000	0.2	25.0
Chrysene	Ave	1.131	1.134	0.0100	50100	50000	0.2	25.0
Di-n-octyl phthalate	Ave	1.309	1.417	0.0100	54100	50000	8.3	20.0
Benzo(b)fluoranthene	Ave	1.162	1.202	0.0100	51700	50000	3.5	25.0
Benzo(k)fluoranthene	Ave	1.218	1.252	0.0100	51400	50000	2.8	25.0
Benzo(a)pyrene	Ave	0.9749	0.997	0.0100	51100	50000	2.3	20.0
Indeno(1,2,3-cd)pyrene	Ave	1.184	1.123	0.0100	47400	50000	-5.2	25.0
Dibenz(a,h)anthracene	Ave	0.9917	0.9446	0.0100	47600	50000	-4.7	25.0
Benzo(g,h,i)perylene	Ave	0.9429	0.8683	0.0100	46000	50000	-7.9	25.0
2-Fluorophenol	Ave	1.253	1.304	0.0100	52000	50000	4.1	25.0
Phenol-d5	Ave	1.586	1.639	0.0100	51700	50000	3.4	25.0
Nitrobenzene-d5	Ave	0.4002	0.4036	0.0100	50400	50000	0.8	25.0
2-Fluorobiphenyl	Ave	1.279	1.304	0.0100	50900	50000	1.9	25.0
2,4,6-Tribromophenol	Ave	0.0833	0.0838	0.0100	50300	50000	0.6	25.0
p-Terphenyl-d14	Ave	0.8637	0.8854	0.0100	51300	50000	2.5	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110913-5905.b\4958.D
 Lims ID: CCVIS - 8270 Client ID:
 Inject. Date: 13-Sep-2011 07:36:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: CCVIS - 8270
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 30945 Lims Sample ID: 2
 Sublist: chrom-V-8270*sub13
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110913-5905.b\4958.D
 Last Update: 13-Sep-2011 09:38:59 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 13-Sep-2011 07:59:36

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.829	5.829	0.0	96	113979	40.0	
* 2 Naphthalene-d8	136	7.549	7.549	0.0	99	428500	40.0	
* 3 Acenaphthene-d10	164	9.825	9.825	0.0	91	249355	40.0	
* 4 Phenanthrene-d10	188	11.529	11.529	0.0	97	414800	40.0	
* 5 Chrysene-d12	240	14.008	14.008	0.0	96	384655	40.0	
* 6 Perylene-d12	264	15.301	15.301	0.0	99	378275	40.0	
\$ 9 2-Fluorophenol	112	3.965	3.965	0.0	92	185837	52.0	
\$ 10 Phenol-d5	99	5.338	5.338	0.0	97	233537	51.7	
\$ 11 Nitrobenzene-d5	82	6.588	6.588	0.0	87	216185	50.4	
\$ 12 2-Fluorobiphenyl	172	8.976	8.976	0.0	99	406338	50.9	
\$ 13 2,4,6-Tribromophenol	330	10.776	10.776	0.0	90	43451	50.3	
\$ 14 p-Terphenyl-d14	244	13.073	13.073	0.0	99	425734	51.3	
81 N-Nitrosodimethylamine	42	2.116	2.116	0.0	87	113240	51.6	
82 Pyridine	52	2.175	2.175	0.0	91	169106	55.7	
89 Phenol	94	5.359	5.359	0.0	87	258384	50.9	
90 Aniline	93	5.364	5.364	0.0	82	287882	49.4	
91 Bis(2-chloroethyl)ether	93	5.466	5.466	0.0	95	189934	50.7	
93 2-Chlorophenol	128	5.541	5.541	0.0	91	194171	50.4	
94 1,3-Dichlorobenzene	146	5.754	5.754	0.0	96	227868	51.6	
95 1,4-Dichlorobenzene	146	5.856	5.856	0.0	83	229405	50.7	
96 Benzyl alcohol	108	6.027	6.027	0.0	90	125274	50.8	
97 1,2-Dichlorobenzene	146	6.064	6.064	0.0	88	211116	50.0	
98 2-Methylphenol	108	6.203	6.203	0.0	97	167148	49.8	
99 2,2'-oxybis[1-chloropropane]	45	6.230	6.230	0.0	91	265493	54.0	
101 N-Nitrosodi-n-propylamine	70	6.401	6.401	0.0	89	137926	49.0	
102 4-Methylphenol	108	6.417	6.417	0.0	94	174555	50.4	
106 Hexachloroethane	117	6.529	6.529	0.0	96	83404	50.5	
107 Nitrobenzene	77	6.609	6.609	0.0	89	214685	50.1	
110 Isophorone	82	6.940	6.940	0.0	97	363713	50.5	
111 2-Nitrophenol	139	7.047	7.047	0.0	97	100468	51.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.133	7.133	0.0	97	194363	50.4	
113 Tetraethyl lead	237	7.202	7.202	0.0	92	61689	42.5	
115 Bis(2-chloroethoxy)methane	93	7.250	7.250	0.0	99	208182	50.5	
119 Benzoic acid	105	7.336	7.336	0.0	86	364655	136.7	
117 2,4-Dichlorophenol	162	7.373	7.373	0.0	95	148334	49.3	
120 1,2,4-Trichlorobenzene	180	7.485	7.485	0.0	91	168522	50.3	
121 Naphthalene	128	7.576	7.576	0.0	95	535501	50.8	
123 4-Chloroaniline	127	7.662	7.662	0.0	86	220532	50.7	
126 Hexachlorobutadiene	225	7.774	7.774	0.0	97	94140	49.6	
131 4-Chloro-3-methylphenol	107	8.319	8.319	0.0	90	164050	50.0	
133 2-Methylnaphthalene	142	8.490	8.490	0.0	86	367876	50.8	
136 Hexachlorocyclopentadiene	237	8.719	8.719	0.0	94	106037	48.1	
139 2,4,6-Trichlorophenol	196	8.864	8.864	0.0	92	106867	50.3	
140 2,4,5-Trichlorophenol	196	8.912	8.912	0.0	94	113725	49.3	
143 2-Chloronaphthalene	162	9.115	9.115	0.0	97	346157	50.7	
145 2-Nitroaniline	65	9.248	9.248	0.0	80	108117	49.7	
147 Dimethyl phthalate	163	9.499	9.499	0.0	98	392219	49.5	
148 2,6-Dinitrotoluene	165	9.563	9.563	0.0	89	89874	49.6	
149 Acenaphthylene	152	9.644	9.644	0.0	91	546313	50.7	
150 3-Nitroaniline	138	9.777	9.777	0.0	92	97951	50.5	
151 Acenaphthene	153	9.868	9.868	0.0	93	332802	49.3	
152 2,4-Dinitrophenol	184	9.905	9.905	0.0	74	39003	38.4	
153 4-Nitrophenol	109	10.007	10.007	0.0	95	53746	43.6	
154 2,4-Dinitrotoluene	165	10.071	10.071	0.0	91	125416	50.9	
155 Dibenzofuran	168	10.082	10.082	0.0	87	488733	49.8	
160 Diethyl phthalate	149	10.381	10.381	0.0	97	401240	49.7	
161 Fluorene	166	10.493	10.493	0.0	82	396781	49.3	
162 4-Chlorophenyl phenyl ether	204	10.504	10.504	0.0	93	190217	50.0	
164 4-Nitroaniline	138	10.520	10.520	0.0	52	99800	50.7	
166 4,6-Dinitro-2-methylphenol	198	10.562	10.562	0.0	81	70690	50.8	
167 N-Nitrosodiphenylamine	169	10.637	10.637	0.0	57	286831	51.7	
168 1,2-Diphenylhydrazine	77	10.685	10.685	0.0	98	414477	50.1	
176 4-Bromophenyl phenyl ether	248	11.054	11.054	0.0	65	100258	49.6	
177 Hexachlorobenzene	284	11.134	11.134	0.0	91	104604	51.4	
181 Pentachlorophenol	266	11.342	11.342	0.0	85	58638	46.5	
185 Phenanthrene	178	11.556	11.556	0.0	96	577232	52.0	
188 Anthracene	178	11.609	11.609	0.0	97	581318	51.9	
189 Carbazole	167	11.775	11.775	0.0	82	534658	51.3	
192 Di-n-butyl phthalate	149	12.133	12.133	0.0	100	656216	52.4	
203 3,3'-Dimethylbenzidine	212		12.569					
197 Fluoranthene	202	12.726	12.726	0.0	97	612579	51.3	
198 Benzidine	184	12.844	12.844	0.0	97	257837	40.2	
199 Pyrene	202	12.934	12.934	0.0	98	621683	51.2	
205 Butyl benzyl phthalate	149	13.501	13.501	0.0	96	301789	51.4	
208 3,3'-Dichlorobenzidine	252	13.965	13.965	0.0	66	207909	51.0	
210 Bis(2-ethylhexyl) phthalate	149	13.987	13.987	0.0	96	416646	51.2	
209 Benzo[a]anthracene	228	13.997	13.997	0.0	97	561853	50.1	
211 Chrysene	228	14.029	14.029	0.0	92	545101	50.1	
212 Di-n-octyl phthalate	149	14.521	14.521	0.0	100	681256	54.1	
213 Benzo[b]fluoranthene	252	14.938	14.938	0.0	92	568589	51.7	
214 Benzo[k]fluoranthene	252	14.959	14.959	0.0	96	592208	51.4	
217 Benzo[a]pyrene	252	15.248	15.248	0.0	73	471537	51.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.444	16.444	0.0	93	530804	47.4	
220 Dibenz(a,h)anthracene	278	16.450	16.450	0.0	54	446633	47.6	
221 Benzo[g,h,i]perylene	276	16.775	16.775	0.0	90	410584	46.0	
S 222 Total Cresols	1				0		100.2	
S 77 3 & 4 Methylphenol	108				0		50.4	
S 78 3-Methylphenol	1				0		50.4	

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110913-5905.b\V4958.D

Injection Date: 13-Sep-2011 07:36:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 30945

Lims Sample ID: 2

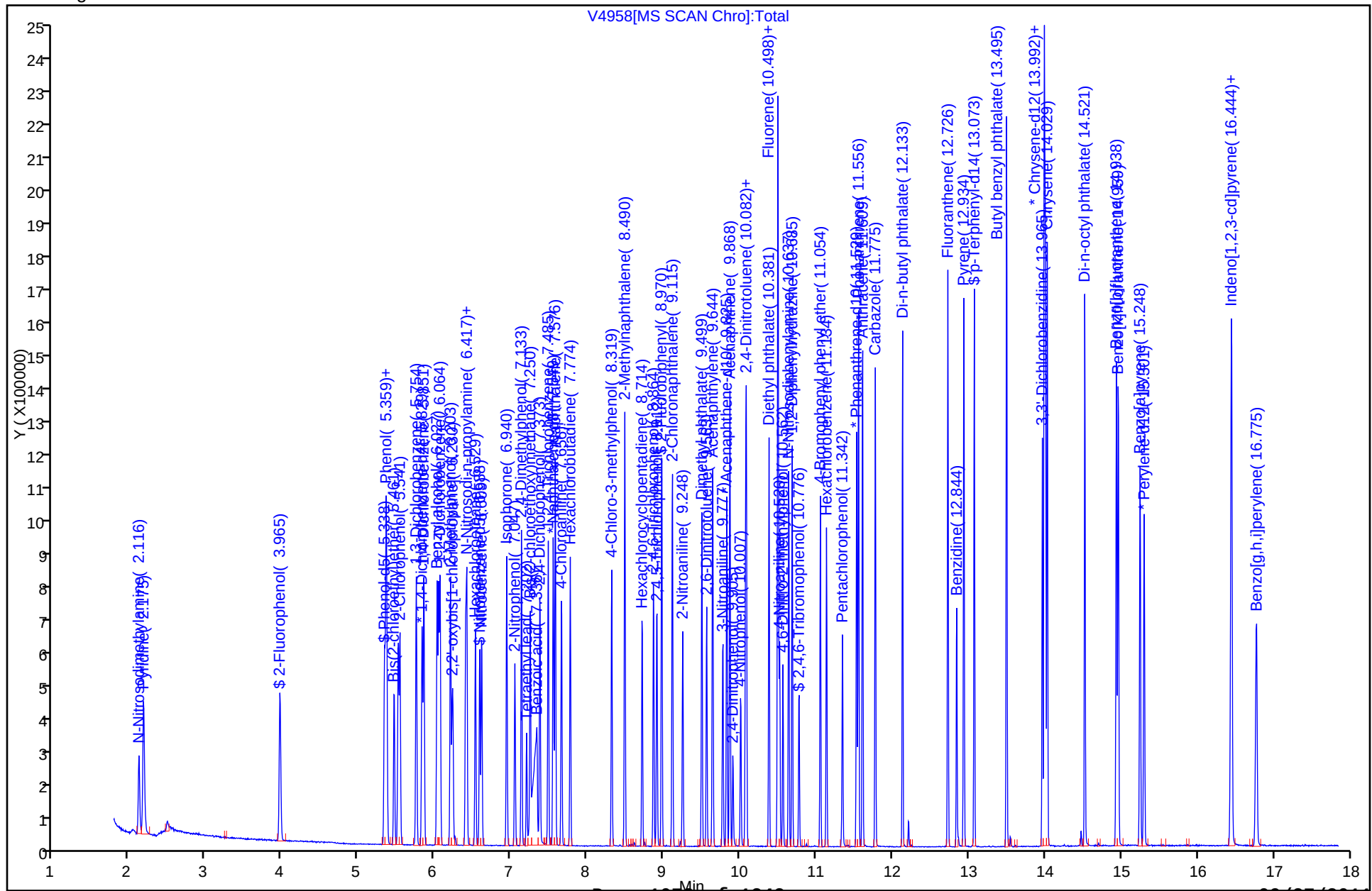
Operator ID:

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab Sample ID: CCV 480-30945/3 Calibration Date: 09/13/2011 07:59
Instrument ID: HP5973V Calib Start Date: 09/02/2011 13:24
GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/02/2011 15:23
Lab File ID: V4959.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.150	1.098	0.0100	47800	50000	-4.5	40.0
Acetophenone	Ave	1.879	1.745	0.0100	46400	50000	-7.1	40.0
Caprolactam	Lin1		0.1059	0.0100	53300	50000	6.6	40.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4907	0.5114	0.0100	52100	50000	4.2	40.0
Biphenyl	Ave	1.482	1.514	0.0100	51100	50000	2.2	40.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2242	0.0100	49500	50000	-1.0	40.0
Atrazine	Ave	0.3021	0.3272	0.0100	54200	50000	8.3	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110913-5905.b\V4959.D
 Lims ID: CCV - TCLADDS Client ID:
 Inject. Date: 13-Sep-2011 07:59:30 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: CCV
 Misc. Info.: CCV - TCLADDS
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 30945 Lims Sample ID: 3
 Sublist: chrom-V-8270*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110913-5905.b\V-8270.m
 Last Update: 13-Sep-2011 09:39:01 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 13-Sep-2011 08:45:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.829	5.829	0.0	97	112973	40.0	
* 2 Naphthalene-d8	136	7.549	7.549	0.0	99	422701	40.0	
* 3 Acenaphthene-d10	164	9.825	9.825	0.0	91	238911	40.0	
* 4 Phenanthrene-d10	188	11.529	11.529	0.0	97	396869	40.0	
* 5 Chrysene-d12	240	14.008	14.008	0.0	98	366630	40.0	
* 6 Perylene-d12	264	15.301	15.301	0.0	97	350883	40.0	
88 Benzaldehyde	77	5.204	5.204	0.0	91	155118	47.8	
104 Acetophenone	105	6.385	6.385	0.0	93	246440	46.4	
127 Caprolactam	113	8.067	8.067	0.0	67	55977	53.3	
138 1,2,4,5-Tetrachlorobenzene	216	8.714	8.714	0.0	98	152710	52.1	
144 1,1'-Biphenyl	154	9.098	9.098	0.0	95	452165	51.1	
158 2,3,4,6-Tetrachlorophenol	232	10.247	10.247	0.0	74	66968	49.5	
180 Atrazine	200	11.241	11.241	0.0	89	97726	54.2	

Report Date: 13-Sep-2011 09:39:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110913-5905.b\V4959.D

Injection Date: 13-Sep-2011 07:59:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 30945

Lims Sample ID: 3

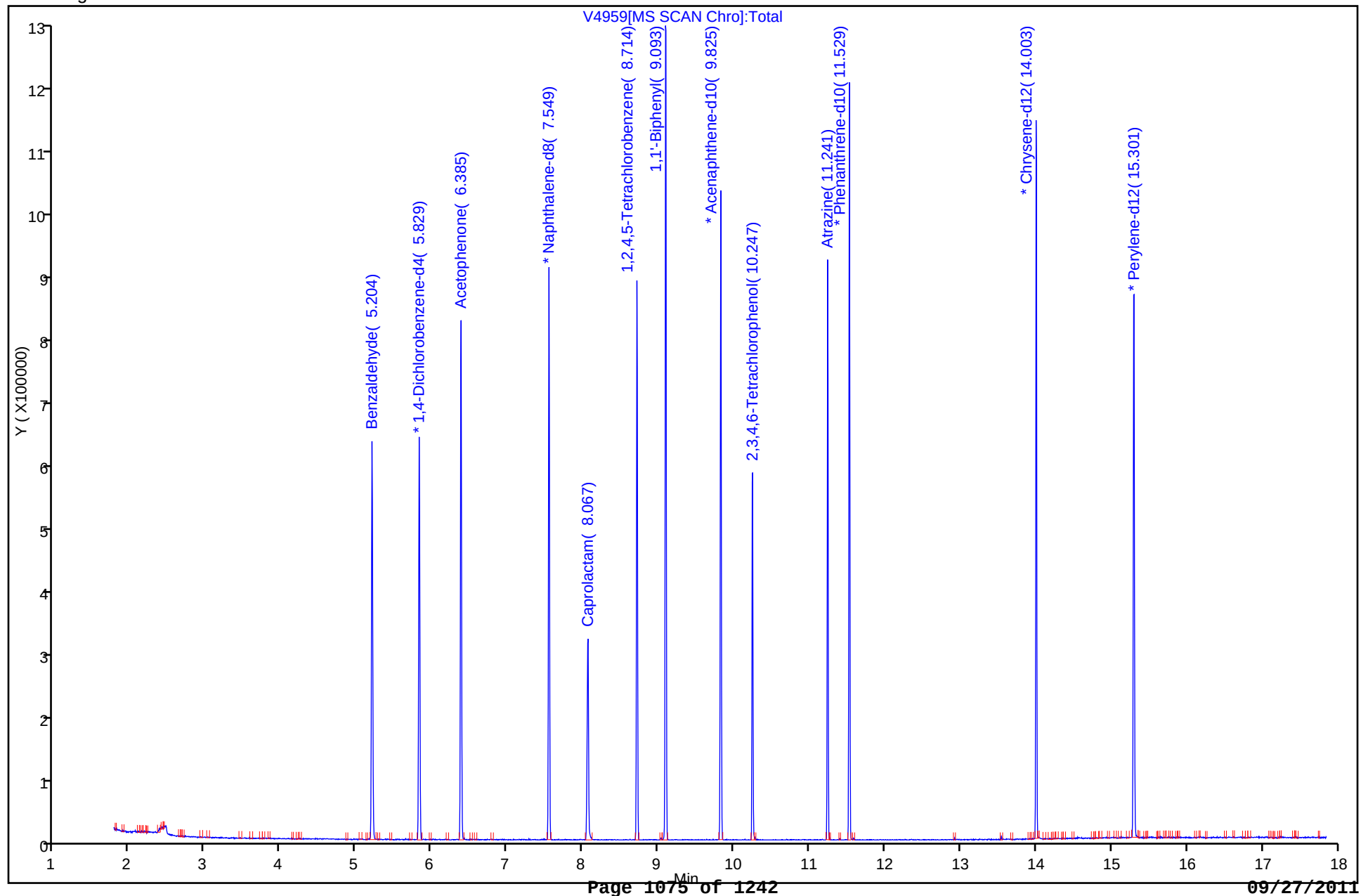
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab Sample ID: CCVIS 480-31329/2 Calibration Date: 09/15/2011 07:36
Instrument ID: HP5973V Calib Start Date: 07/13/2011 13:15
GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 07/13/2011 15:13
Lab File ID: V5056.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dimethylbenzidine	Ave	0.6829		0.0100		50000		100.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5056.D
 Lims ID: CCVIS - 8270 Client ID:
 Inject. Date: 15-Sep-2011 07:36:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: CCVIS - 8270
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 31329 Lims Sample ID: 2
 Sublist: chrom-V-8270*sub13
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V-8270.m
 Last Update: 15-Sep-2011 09:12:34 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 15-Sep-2011 08:11:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.804	5.804	0.0	96	126167	40.0	
* 2 Naphthalene-d8	136	7.529	7.529	0.0	99	463511	40.0	
* 3 Acenaphthene-d10	164	9.805	9.805	0.0	91	266813	40.0	
* 4 Phenanthrene-d10	188	11.509	11.509	0.0	97	441417	40.0	
* 5 Chrysene-d12	240	13.988	13.988	0.0	98	404831	40.0	
* 6 Perylene-d12	264	15.270	15.270	0.0	98	373060	40.0	
\$ 9 2-Fluorophenol	112	3.923	3.923	0.0	92	260063	65.8	
\$ 10 Phenol-d5	99	5.312	5.312	0.0	93	252934	50.6	
\$ 11 Nitrobenzene-d5	82	6.563	6.563	0.0	86	228206	49.2	
\$ 12 2-Fluorobiphenyl	172	8.951	8.951	0.0	99	432399	50.7	
\$ 13 2,4,6-Tribromophenol	330	10.756	10.756	0.0	91	46496	50.6	
\$ 14 p-Terphenyl-d14	244	13.053	13.053	0.0	99	440327	50.4	
81 N-Nitrosodimethylamine	42	2.059	2.059	0.0	83	162946	67.0	
82 Pyridine	52	2.123	2.123	0.0	91	251050	74.7	
89 Phenol	94	5.328	5.328	0.0	90	284458	50.6	
90 Aniline	93	5.334	5.334	0.0	75	309474	47.9	
91 Bis(2-chloroethyl)ether	93	5.435	5.435	0.0	97	207640	50.1	
93 2-Chlorophenol	128	5.510	5.510	0.0	91	209379	49.1	
94 1,3-Dichlorobenzene	146	5.724	5.724	0.0	97	242130	49.5	
95 1,4-Dichlorobenzene	146	5.825	5.825	0.0	84	246434	49.2	
96 Benzyl alcohol	108	6.002	6.002	0.0	90	135986	49.8	
97 1,2-Dichlorobenzene	146	6.039	6.039	0.0	77	225076	48.1	
98 2-Methylphenol	108	6.178	6.178	0.0	97	185680	50.0	
99 2,2'-oxybis[1-chloropropane]	45	6.205	6.205	0.0	92	299583	55.1	
101 N-Nitrosodi-n-propylamine	70	6.376	6.376	0.0	89	153476	49.3	
102 4-Methylphenol	108	6.392	6.392	0.0	94	194139	50.6	
106 Hexachloroethane	117	6.504	6.504	0.0	96	85819	46.9	
107 Nitrobenzene	77	6.589	6.589	0.0	82	226781	48.9	
110 Isophorone	82	6.915	6.915	0.0	97	400268	51.3	
111 2-Nitrophenol	139	7.022	7.022	0.0	96	112197	52.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.113	7.113	0.0	96	205263	49.2	
113 Tetraethyl lead	237	7.177	7.177	0.0	90	61133	39.0	
115 Bis(2-chloroethoxy)methane	93	7.225	7.225	0.0	99	228225	51.2	
119 Benzoic acid	105	7.321	7.321	0.0	85	407989	141.4	
117 2,4-Dichlorophenol	162	7.353	7.353	0.0	89	165562	50.9	
120 1,2,4-Trichlorobenzene	180	7.460	7.460	0.0	93	180581	49.8	
121 Naphthalene	128	7.556	7.556	0.0	84	585593	51.4	
123 4-Chloroaniline	127	7.636	7.636	0.0	86	239432	50.9	
126 Hexachlorobutadiene	225	7.754	7.754	0.0	93	97807	47.6	
131 4-Chloro-3-methylphenol	107	8.299	8.299	0.0	90	174826	49.3	
133 2-Methylnaphthalene	142	8.464	8.464	0.0	89	395385	50.4	
136 Hexachlorocyclopentadiene	237	8.694	8.694	0.0	92	109866	46.6	
139 2,4,6-Trichlorophenol	196	8.844	8.844	0.0	91	115368	50.7	
140 2,4,5-Trichlorophenol	196	8.886	8.886	0.0	93	120172	48.7	
143 2-Chloronaphthalene	162	9.089	9.089	0.0	97	368400	50.4	
145 2-Nitroaniline	65	9.228	9.228	0.0	81	118385	50.8	
147 Dimethyl phthalate	163	9.479	9.479	0.0	99	422892	49.8	
148 2,6-Dinitrotoluene	165	9.544	9.544	0.0	96	99291	51.2	
149 Acenaphthylene	152	9.618	9.618	0.0	89	595063	51.6	
150 3-Nitroaniline	138	9.752	9.752	0.0	94	108992	52.5	
151 Acenaphthene	153	9.843	9.843	0.0	94	360562	49.9	
152 2,4-Dinitrophenol	184	9.885	9.885	0.0	69	51087	45.6	
153 4-Nitrophenol	109	9.987	9.987	0.0	94	54815	41.5	
154 2,4-Dinitrotoluene	165	10.051	10.051	0.0	92	131525	49.9	
155 Dibenzofuran	168	10.062	10.062	0.0	88	524759	49.9	
160 Diethyl phthalate	149	10.361	10.361	0.0	97	422111	48.9	
161 Fluorene	166	10.473	10.473	0.0	83	428259	49.7	
162 4-Chlorophenyl phenyl ether	204	10.484	10.484	0.0	92	197199	48.4	
164 4-Nitroaniline	138	10.500	10.500	0.0	53	110517	52.5	
166 4,6-Dinitro-2-methylphenol	198	10.543	10.543	0.0	82	75173	50.8	
167 N-Nitrosodiphenylamine	169	10.617	10.617	0.0	57	309365	52.4	
168 1,2-Diphenylhydrazine	77	10.665	10.665	0.0	97	439974	49.7	
176 4-Bromophenyl phenyl ether	248	11.034	11.034	0.0	64	109263	50.8	
177 Hexachlorobenzene	284	11.114	11.114	0.0	92	110150	50.9	
181 Pentachlorophenol	266	11.322	11.322	0.0	82	64190	47.7	
185 Phenanthrene	178	11.536	11.536	0.0	96	603207	51.1	
188 Anthracene	178	11.590	11.590	0.0	97	619109	51.9	
189 Carbazole	167	11.755	11.755	0.0	82	568951	51.3	
192 Di-n-butyl phthalate	149	12.113	12.113	0.0	100	700060	52.5	
203 3,3'-Dimethylbenzidine	212		12.569					
197 Fluoranthene	202	12.706	12.706	0.0	98	649306	51.1	
198 Benzidine	184	12.824	12.824	0.0	98	248992	36.9	
199 Pyrene	202	12.914	12.914	0.0	97	657861	51.5	
205 Butyl benzyl phthalate	149	13.481	13.481	0.0	96	328808	53.2	
208 3,3'-Dichlorobenzidine	252	13.946	13.946	0.0	65	222465	51.9	
210 Bis(2-ethylhexyl) phthalate	149	13.967	13.967	0.0	96	458460	53.6	
209 Benzo[a]anthracene	228	13.978	13.978	0.0	98	587732	49.8	
211 Chrysene	228	14.010	14.010	0.0	91	569087	49.7	
212 Di-n-octyl phthalate	149	14.501	14.501	0.0	99	770000	58.1	
213 Benzo[b]fluoranthene	252	14.912	14.912	0.0	92	581258	53.6	
214 Benzo[k]fluoranthene	252	14.934	14.934	0.0	93	584137	51.4	
217 Benzo[a]pyrene	252	15.217	15.217	0.0	74	468248	51.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.408	16.408	0.0	91	513940	46.5	
220 Dibenz(a,h)anthracene	278	16.408	16.408	0.0	53	430117	46.5	
221 Benzo[g,h,i]perylene	276	16.734	16.734	0.0	91	399400	45.4	
S 222 Total Cresols	1				0		100.6	
S 78 3-Methylphenol	1				0		50.6	
S 77 3 & 4 Methylphenol	108				0		50.6	

Report Date: 15-Sep-2011 09:12:35

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5056.D

Injection Date: 15-Sep-2011 07:36:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 2

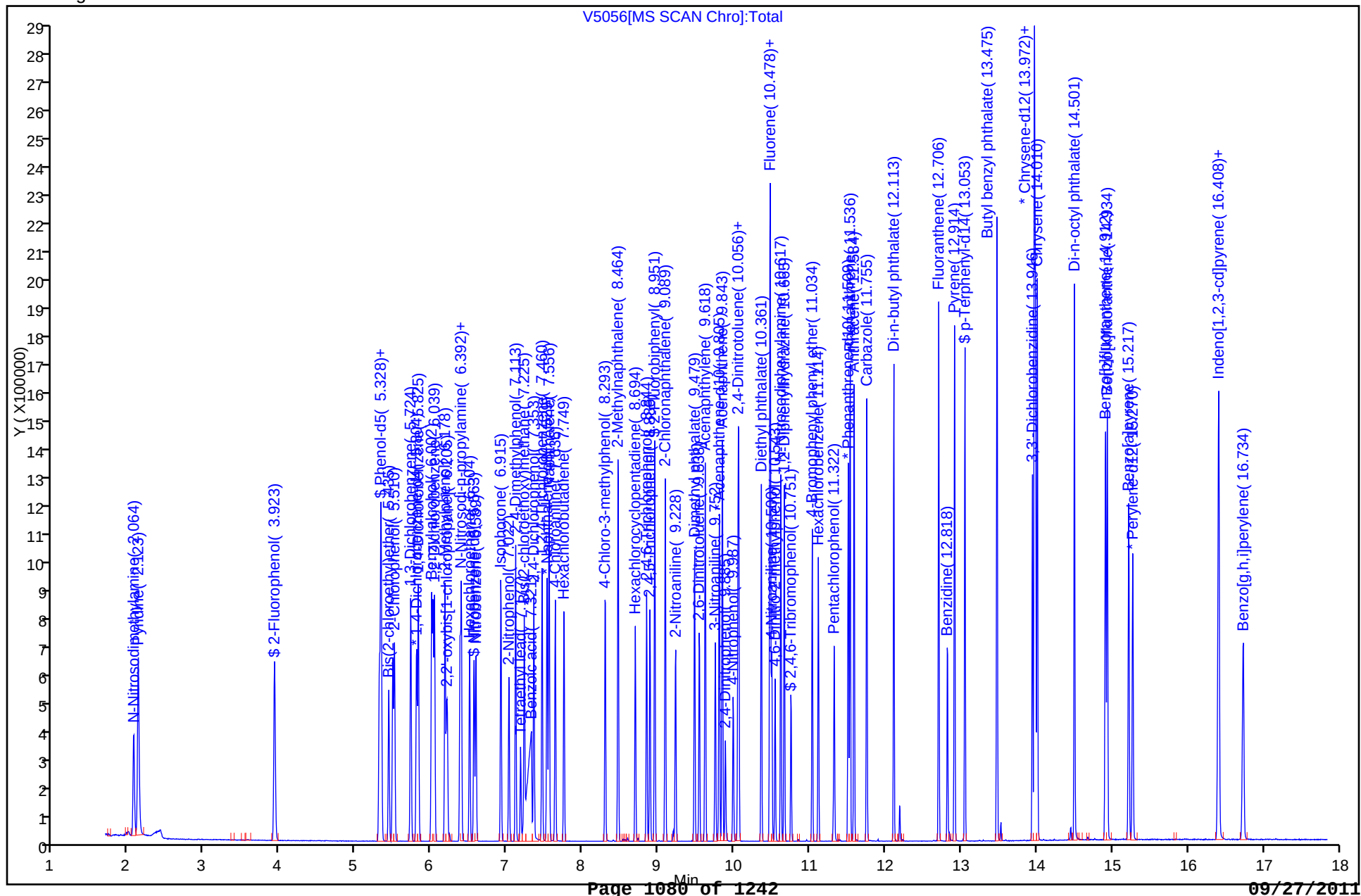
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-31329/2 Calibration Date: 09/15/2011 07:36

Instrument ID: HP5973V Calib Start Date: 09/08/2011 08:42

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/08/2011 10:41

Lab File ID: V5056.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.7708	1.033	0.0100	67000	50000	34.0*	25.0
Pyridine	Ave	1.066	1.592	0.0100	74700	50000	49.4	100.0
Phenol	Ave	1.782	1.804	0.0100	50600	50000	1.2	20.0
Aniline	Ave	2.047	1.962	0.0100	47900	50000	-4.1	100.0
Bis(2-chloroethyl)ether	Ave	1.315	1.317	0.0100	50100	50000	0.1	25.0
2-Chlorophenol	Ave	1.351	1.328	0.0100	49100	50000	-1.7	25.0
1,3-Dichlorobenzene	Ave	1.550	1.535	0.0100	49500	50000	-0.9	25.0
1,4-Dichlorobenzene	Ave	1.588	1.563	0.0100	49200	50000	-1.6	20.0
Benzyl alcohol	Ave	0.8655	0.8623	0.0100	49800	50000	-0.4	100.0
1,2-Dichlorobenzene	Ave	1.483	1.427	0.0100	48100	50000	-3.8	25.0
2-Methylphenol	Ave	1.178	1.177	0.0100	50000	50000	-0.0	25.0
bis (2-chloroisopropyl) ether	Ave	1.725	1.900	0.0100	55100	50000	10.1	25.0
N-Nitrosodi-n-propylamine	Ave	0.9875	0.9732	0.0500	49300	50000	-1.5	25.0
4-Methylphenol	Ave	1.216	1.231	0.0100	50600	50000	1.2	25.0
Hexachloroethane	Ave	0.5800	0.5442	0.0100	46900	50000	-6.2	25.0
Nitrobenzene	Ave	0.3999	0.3914	0.0100	48900	50000	-2.1	25.0
Isophorone	Ave	0.6727	0.6909	0.0100	51300	50000	2.7	25.0
2-Nitrophenol	Ave	0.1840	0.1937	0.0100	52600	50000	5.2	20.0
2,4-Dimethylphenol	Ave	0.3603	0.3543	0.0100	49200	50000	-1.7	25.0
Tetraethyl lead	Ave	0.1354	0.1055	0.0100	39000	50000	-22.1	40.0
Bis(2-chloroethoxy)methane	Ave	0.3850	0.3939	0.0100	51200	50000	2.3	25.0
Benzoic acid	Ave	0.2490	0.2347	0.0100	141000	150000	-5.7	25.0
2,4-Dichlorophenol	Ave	0.2809	0.2858	0.0100	50900	50000	1.7	20.0
1,2,4-Trichlorobenzene	Ave	0.3130	0.3117	0.0100	49800	50000	-0.4	25.0
Naphthalene	Ave	0.9838	1.011	0.0100	51400	50000	2.7	25.0
4-Chloroaniline	Ave	0.4062	0.4133	0.0100	50900	50000	1.7	25.0
Hexachlorobutadiene	Ave	0.1773	0.1688	0.0100	47600	50000	-4.8	20.0
4-Chloro-3-methylphenol	Ave	0.3061	0.3017	0.0100	49300	50000	-1.4	20.0
2-Methylnaphthalene	Ave	0.6767	0.6824	0.0100	50400	50000	0.8	25.0
Hexachlorocyclopentadiene	Ave	0.3535	0.3294	0.0500	46600	50000	-6.8	25.0
2,4,6-Trichlorophenol	Ave	0.3409	0.3459	0.0100	50700	50000	1.5	20.0
2,4,5-Trichlorophenol	Ave	0.3697	0.3603	0.0100	48700	50000	-2.5	25.0
2-Chloronaphthalene	Ave	1.096	1.105	0.0100	50400	50000	0.8	25.0
2-Nitroaniline	Ave	0.3492	0.3550	0.0100	50800	50000	1.7	25.0
Dimethyl phthalate	Ave	1.272	1.268	0.0100	49800	50000	-0.3	25.0
2,6-Dinitrotoluene	Ave	0.2906	0.2977	0.0100	51200	50000	2.4	25.0
Acenaphthylene	Ave	1.728	1.784	0.0100	51600	50000	3.3	25.0
3-Nitroaniline	Ave	0.3111	0.3268	0.0100	52500	50000	5.1	25.0
Acenaphthene	Ave	1.083	1.081	0.0100	49900	50000	-0.2	20.0
2,4-Dinitrophenol	Lin1		0.1532	0.0500	45600	50000	-8.8	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-31329/2 Calibration Date: 09/15/2011 07:36

Instrument ID: HP5973V Calib Start Date: 09/08/2011 08:42

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/08/2011 10:41

Lab File ID: V5056.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitrophenol	Ave	0.1978	0.1644	0.0500	41500	50000	-16.9	25.0
2,4-Dinitrotoluene	Ave	0.3955	0.3944	0.0100	49900	50000	-0.3	25.0
Dibenzofuran	Ave	1.575	1.573	0.0100	49900	50000	-0.1	25.0
Diethyl phthalate	Ave	1.294	1.266	0.0100	48900	50000	-2.2	25.0
Fluorene	Ave	1.291	1.284	0.0100	49700	50000	-0.5	25.0
4-Chlorophenyl phenyl ether	Ave	0.6104	0.5913	0.0100	48400	50000	-3.1	25.0
4-Nitroaniline	Ave	0.3155	0.3314	0.0100	52500	50000	5.0	25.0
4,6-Dinitro-2-methylphenol	Ave	0.1341	0.1362	0.0100	50800	50000	1.6	25.0
N-Nitrosodiphenylamine	Ave	0.5352	0.5607	0.0100	52400	50000	4.8	20.0
1,2-Diphenylhydrazine	Ave	1.328	1.319	0.0100	49700	50000	-0.6	25.0
4-Bromophenyl phenyl ether	Ave	0.1950	0.1980	0.0100	50800	50000	1.6	25.0
Hexachlorobenzene	Ave	0.1961	0.1996	0.0100	50900	50000	1.8	25.0
Pentachlorophenol	Lin1		0.1163	0.0100	47700	50000	-4.6	20.0
Phenanthrene	Ave	1.071	1.093	0.0100	51100	50000	2.1	25.0
Anthracene	Ave	1.080	1.122	0.0100	51900	50000	3.9	25.0
Carbazole	Ave	1.005	1.031	0.0100	51300	50000	2.6	25.0
Di-n-butyl phthalate	Ave	1.207	1.269	0.0100	52500	50000	5.1	25.0
Fluoranthene	Ave	1.152	1.177	0.0100	51100	50000	2.1	20.0
Benzidine	Ave	0.6676	0.4920	0.0100	36900	50000	-26.3*	25.0
Pyrene	Ave	1.262	1.300	0.0100	51500	50000	3.0	25.0
Butyl benzyl phthalate	Ave	0.6102	0.6498	0.0100	53200	50000	6.5	25.0
3,3'-Dichlorobenzidine	Ave	0.4237	0.4396	0.0100	51900	50000	3.8	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.8458	0.9060	0.0100	53600	50000	7.1	25.0
Benzo(a)anthracene	Ave	1.166	1.161	0.0100	49800	50000	-0.4	25.0
Chrysene	Ave	1.131	1.125	0.0100	49700	50000	-0.6	25.0
Di-n-octyl phthalate	Ave	1.309	1.522	0.0100	58100	50000	16.3	20.0
Benzo(b)fluoranthene	Ave	1.162	1.246	0.0100	53600	50000	7.2	25.0
Benzo(k)fluoranthene	Ave	1.218	1.253	0.0100	51400	50000	2.8	25.0
Benzo(a)pyrene	Ave	0.9749	1.004	0.0100	51500	50000	3.0	20.0
Dibenz(a,h)anthracene	Ave	0.9917	0.9224	0.0100	46500	50000	-7.0	25.0
Indeno(1,2,3-cd)pyrene	Ave	1.184	1.102	0.0100	46500	50000	-6.9	25.0
Benzo(g,h,i)perylene	Ave	0.9429	0.8565	0.0100	45400	50000	-9.2	25.0
2-Fluorophenol	Ave	1.253	1.649	0.0100	65800	50000	31.6*	25.0
Phenol-d5	Ave	1.586	1.604	0.0100	50600	50000	1.1	25.0
Nitrobenzene-d5	Ave	0.4002	0.3939	0.0100	49200	50000	-1.6	25.0
2-Fluorobiphenyl	Ave	1.279	1.296	0.0100	50700	50000	1.3	25.0
2,4,6-Tribromophenol	Ave	0.0833	0.0843	0.0100	50600	50000	1.2	25.0
p-Terphenyl-d14	Ave	0.8637	0.8701	0.0100	50400	50000	0.8	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5056.D
 Lims ID: CCVIS - 8270 Client ID:
 Inject. Date: 15-Sep-2011 07:36:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: CCVIS - 8270
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 31329 Lims Sample ID: 2
 Sublist: chrom-V-8270*sub13
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V-8270.m
 Last Update: 15-Sep-2011 09:12:34 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 15-Sep-2011 08:11:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.804	5.804	0.0	96	126167	40.0	
* 2 Naphthalene-d8	136	7.529	7.529	0.0	99	463511	40.0	
* 3 Acenaphthene-d10	164	9.805	9.805	0.0	91	266813	40.0	
* 4 Phenanthrene-d10	188	11.509	11.509	0.0	97	441417	40.0	
* 5 Chrysene-d12	240	13.988	13.988	0.0	98	404831	40.0	
* 6 Perylene-d12	264	15.270	15.270	0.0	98	373060	40.0	
\$ 9 2-Fluorophenol	112	3.923	3.923	0.0	92	260063	65.8	
\$ 10 Phenol-d5	99	5.312	5.312	0.0	93	252934	50.6	
\$ 11 Nitrobenzene-d5	82	6.563	6.563	0.0	86	228206	49.2	
\$ 12 2-Fluorobiphenyl	172	8.951	8.951	0.0	99	432399	50.7	
\$ 13 2,4,6-Tribromophenol	330	10.756	10.756	0.0	91	46496	50.6	
\$ 14 p-Terphenyl-d14	244	13.053	13.053	0.0	99	440327	50.4	
81 N-Nitrosodimethylamine	42	2.059	2.059	0.0	83	162946	67.0	
82 Pyridine	52	2.123	2.123	0.0	91	251050	74.7	
89 Phenol	94	5.328	5.328	0.0	90	284458	50.6	
90 Aniline	93	5.334	5.334	0.0	75	309474	47.9	
91 Bis(2-chloroethyl)ether	93	5.435	5.435	0.0	97	207640	50.1	
93 2-Chlorophenol	128	5.510	5.510	0.0	91	209379	49.1	
94 1,3-Dichlorobenzene	146	5.724	5.724	0.0	97	242130	49.5	
95 1,4-Dichlorobenzene	146	5.825	5.825	0.0	84	246434	49.2	
96 Benzyl alcohol	108	6.002	6.002	0.0	90	135986	49.8	
97 1,2-Dichlorobenzene	146	6.039	6.039	0.0	77	225076	48.1	
98 2-Methylphenol	108	6.178	6.178	0.0	97	185680	50.0	
99 2,2'-oxybis[1-chloropropane]	45	6.205	6.205	0.0	92	299583	55.1	
101 N-Nitrosodi-n-propylamine	70	6.376	6.376	0.0	89	153476	49.3	
102 4-Methylphenol	108	6.392	6.392	0.0	94	194139	50.6	
106 Hexachloroethane	117	6.504	6.504	0.0	96	85819	46.9	
107 Nitrobenzene	77	6.589	6.589	0.0	82	226781	48.9	
110 Isophorone	82	6.915	6.915	0.0	97	400268	51.3	
111 2-Nitrophenol	139	7.022	7.022	0.0	96	112197	52.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.113	7.113	0.0	96	205263	49.2	
113 Tetraethyl lead	237	7.177	7.177	0.0	90	61133	39.0	
115 Bis(2-chloroethoxy)methane	93	7.225	7.225	0.0	99	228225	51.2	
119 Benzoic acid	105	7.321	7.321	0.0	85	407989	141.4	
117 2,4-Dichlorophenol	162	7.353	7.353	0.0	89	165562	50.9	
120 1,2,4-Trichlorobenzene	180	7.460	7.460	0.0	93	180581	49.8	
121 Naphthalene	128	7.556	7.556	0.0	84	585593	51.4	
123 4-Chloroaniline	127	7.636	7.636	0.0	86	239432	50.9	
126 Hexachlorobutadiene	225	7.754	7.754	0.0	93	97807	47.6	
131 4-Chloro-3-methylphenol	107	8.299	8.299	0.0	90	174826	49.3	
133 2-Methylnaphthalene	142	8.464	8.464	0.0	89	395385	50.4	
136 Hexachlorocyclopentadiene	237	8.694	8.694	0.0	92	109866	46.6	
139 2,4,6-Trichlorophenol	196	8.844	8.844	0.0	91	115368	50.7	
140 2,4,5-Trichlorophenol	196	8.886	8.886	0.0	93	120172	48.7	
143 2-Chloronaphthalene	162	9.089	9.089	0.0	97	368400	50.4	
145 2-Nitroaniline	65	9.228	9.228	0.0	81	118385	50.8	
147 Dimethyl phthalate	163	9.479	9.479	0.0	99	422892	49.8	
148 2,6-Dinitrotoluene	165	9.544	9.544	0.0	96	99291	51.2	
149 Acenaphthylene	152	9.618	9.618	0.0	89	595063	51.6	
150 3-Nitroaniline	138	9.752	9.752	0.0	94	108992	52.5	
151 Acenaphthene	153	9.843	9.843	0.0	94	360562	49.9	
152 2,4-Dinitrophenol	184	9.885	9.885	0.0	69	51087	45.6	
153 4-Nitrophenol	109	9.987	9.987	0.0	94	54815	41.5	
154 2,4-Dinitrotoluene	165	10.051	10.051	0.0	92	131525	49.9	
155 Dibenzofuran	168	10.062	10.062	0.0	88	524759	49.9	
160 Diethyl phthalate	149	10.361	10.361	0.0	97	422111	48.9	
161 Fluorene	166	10.473	10.473	0.0	83	428259	49.7	
162 4-Chlorophenyl phenyl ether	204	10.484	10.484	0.0	92	197199	48.4	
164 4-Nitroaniline	138	10.500	10.500	0.0	53	110517	52.5	
166 4,6-Dinitro-2-methylphenol	198	10.543	10.543	0.0	82	75173	50.8	
167 N-Nitrosodiphenylamine	169	10.617	10.617	0.0	57	309365	52.4	
168 1,2-Diphenylhydrazine	77	10.665	10.665	0.0	97	439974	49.7	
176 4-Bromophenyl phenyl ether	248	11.034	11.034	0.0	64	109263	50.8	
177 Hexachlorobenzene	284	11.114	11.114	0.0	92	110150	50.9	
181 Pentachlorophenol	266	11.322	11.322	0.0	82	64190	47.7	
185 Phenanthrene	178	11.536	11.536	0.0	96	603207	51.1	
188 Anthracene	178	11.590	11.590	0.0	97	619109	51.9	
189 Carbazole	167	11.755	11.755	0.0	82	568951	51.3	
192 Di-n-butyl phthalate	149	12.113	12.113	0.0	100	700060	52.5	
203 3,3'-Dimethylbenzidine	212		12.569					
197 Fluoranthene	202	12.706	12.706	0.0	98	649306	51.1	
198 Benzidine	184	12.824	12.824	0.0	98	248992	36.9	
199 Pyrene	202	12.914	12.914	0.0	97	657861	51.5	
205 Butyl benzyl phthalate	149	13.481	13.481	0.0	96	328808	53.2	
208 3,3'-Dichlorobenzidine	252	13.946	13.946	0.0	65	222465	51.9	
210 Bis(2-ethylhexyl) phthalate	149	13.967	13.967	0.0	96	458460	53.6	
209 Benzo[a]anthracene	228	13.978	13.978	0.0	98	587732	49.8	
211 Chrysene	228	14.010	14.010	0.0	91	569087	49.7	
212 Di-n-octyl phthalate	149	14.501	14.501	0.0	99	770000	58.1	
213 Benzo[b]fluoranthene	252	14.912	14.912	0.0	92	581258	53.6	
214 Benzo[k]fluoranthene	252	14.934	14.934	0.0	93	584137	51.4	
217 Benzo[a]pyrene	252	15.217	15.217	0.0	74	468248	51.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.408	16.408	0.0	91	513940	46.5	
220 Dibenz(a,h)anthracene	278	16.408	16.408	0.0	53	430117	46.5	
221 Benzo[g,h,i]perylene	276	16.734	16.734	0.0	91	399400	45.4	
S 222 Total Cresols	1				0		100.6	
S 78 3-Methylphenol	1				0		50.6	
S 77 3 & 4 Methylphenol	108				0		50.6	

Report Date: 15-Sep-2011 09:12:35

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5056.D

Injection Date: 15-Sep-2011 07:36:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 2

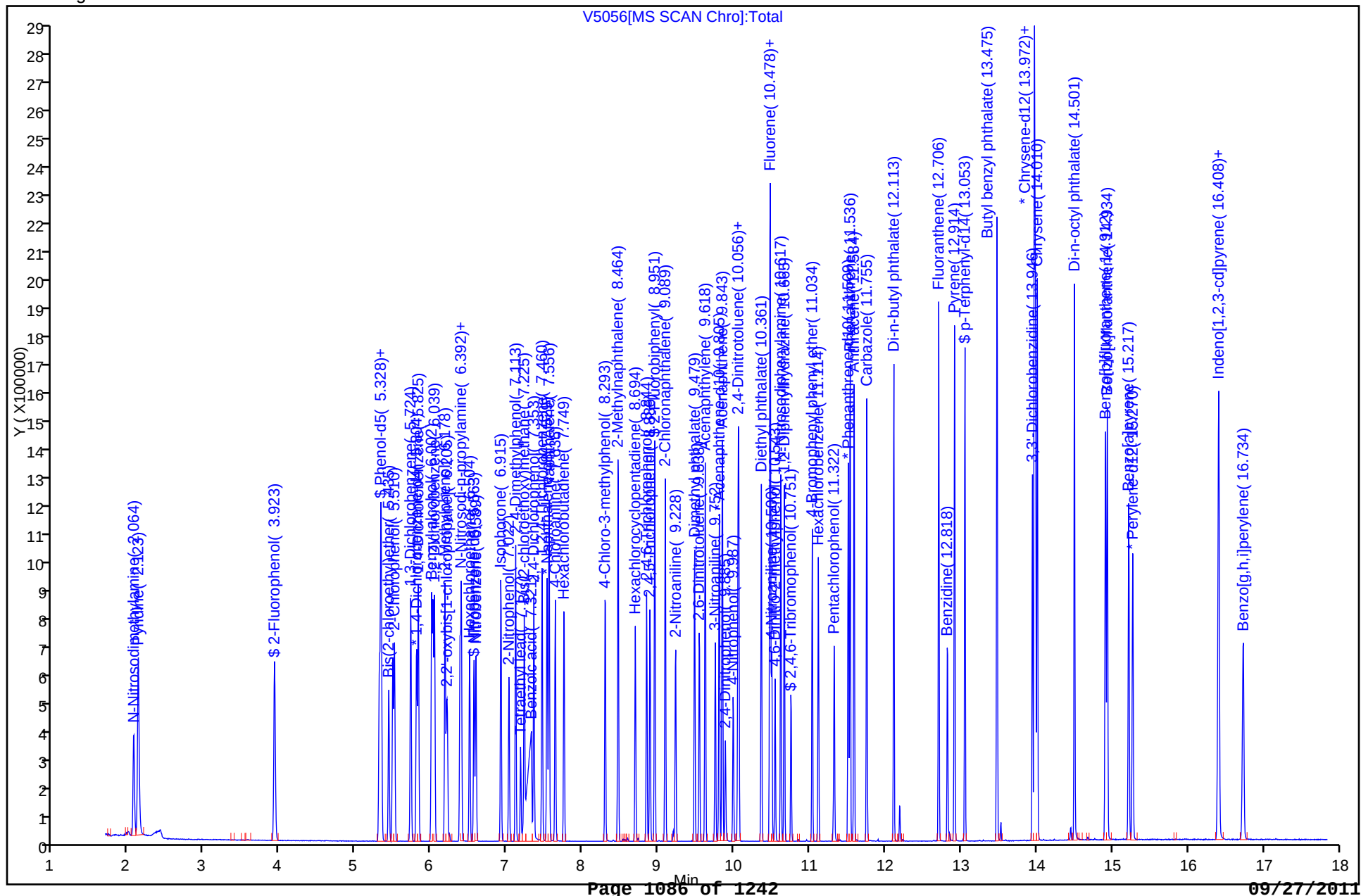
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab Sample ID: CCV 480-31329/3 Calibration Date: 09/15/2011 08:00
Instrument ID: HP5973V Calib Start Date: 09/02/2011 13:24
GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/02/2011 15:23
Lab File ID: V5057.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.150	1.127	0.0100	49000	50000	-2.0	40.0
Acetophenone	Ave	1.879	1.782	0.0100	47400	50000	-5.2	40.0
Caprolactam	Lin1		0.1063	0.0100	53500	50000	7.0	40.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4907	0.5079	0.0100	51700	50000	3.5	40.0
Biphenyl	Ave	1.482	1.548	0.0100	52200	50000	4.5	40.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2350	0.0100	51800	50000	3.6	40.0
Atrazine	Ave	0.3021	0.3334	0.0100	55200	50000	10.3	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5057.D
 Lims ID: CCV - TCLADDS Client ID:
 Inject. Date: 15-Sep-2011 08:00:30 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: CCV
 Misc. Info.: CCV - TCLADDS
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 31329 Lims Sample ID: 3
 Sublist: chrom-V-8270*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V-8270.m
 Last Update: 15-Sep-2011 09:12:35 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 15-Sep-2011 08:23:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.804	5.804	0.0	96	114801	40.0	
* 2 Naphthalene-d8	136	7.524	7.524	0.0	99	434495	40.0	
* 3 Acenaphthene-d10	164	9.805	9.805	0.0	90	239884	40.0	
* 4 Phenanthrene-d10	188	11.509	11.509	0.0	97	398639	40.0	
* 5 Chrysene-d12	240	13.983	13.983	0.0	97	360818	40.0	
* 6 Perylene-d12	264	15.270	15.270	0.0	98	337736	40.0	
88 Benzaldehyde	77	5.173	5.173	0.0	91	161723	49.0	
104 Acetophenone	105	6.359	6.359	0.0	94	255704	47.4	
127 Caprolactam	113	8.042	8.042	0.0	67	57717	53.5	
138 1,2,4,5-Tetrachlorobenzene	216	8.694	8.694	0.0	96	152280	51.7	
144 1,1'-Biphenyl	154	9.073	9.073	0.0	94	464082	52.2	
158 2,3,4,6-Tetrachlorophenol	232	10.222	10.222	0.0	75	70470	51.8	
180 Atrazine	200	11.221	11.221	0.0	88	99967	55.2	

Report Date: 15-Sep-2011 09:12:36

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5057.D

Injection Date: 15-Sep-2011 08:00:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 3

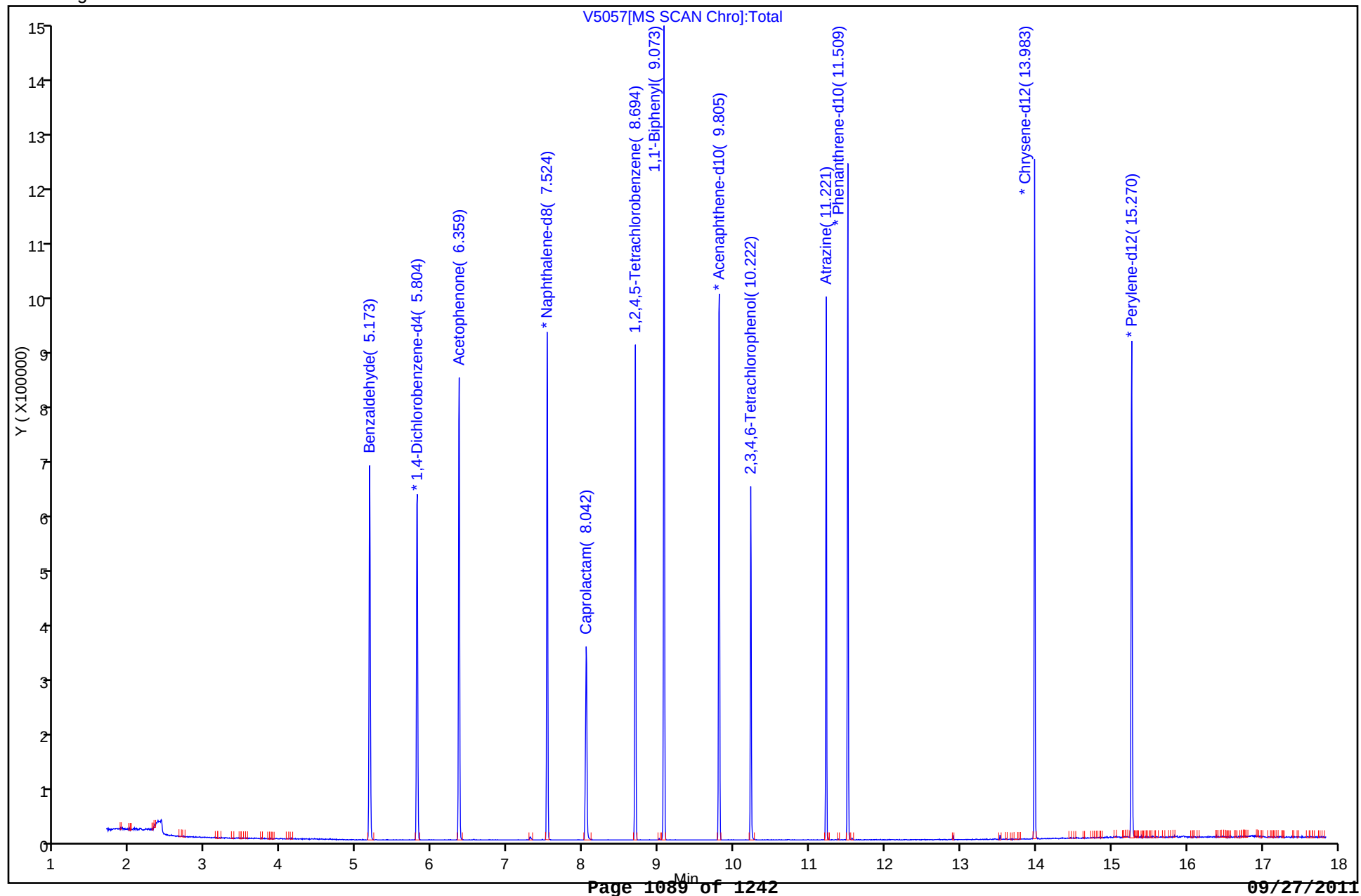
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab Sample ID: CCVIS 480-31527/2 Calibration Date: 09/16/2011 08:09
Instrument ID: HP5973V Calib Start Date: 07/13/2011 13:15
GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 07/13/2011 15:13
Lab File ID: V5108.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dimethylbenzidine	Ave	0.6829		0.0100		50000		100.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5108.D
 Lims ID: CCVIS - 8270 Client ID:
 Inject. Date: 16-Sep-2011 08:09:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: CCVIS - 8270
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 31527 Lims Sample ID: 2
 Sublist: chrom-V-8270*sub13
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V-8270.m
 Last Update: 16-Sep-2011 09:28:27 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 16-Sep-2011 08:56:15

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.777	5.777	0.0	96	112402	40.0	
* 2 Naphthalene-d8	136	7.508	7.508	0.0	99	419578	40.0	
* 3 Acenaphthene-d10	164	9.784	9.784	0.0	91	241045	40.0	
* 4 Phenanthrene-d10	188	11.493	11.493	0.0	97	401772	40.0	
* 5 Chrysene-d12	240	13.972	13.972	0.0	96	362495	40.0	
* 6 Perylene-d12	264	15.249	15.249	0.0	98	347965	40.0	
\$ 9 2-Fluorophenol	112	3.886	3.886	0.0	90	183118	52.0	
\$ 10 Phenol-d5	99	5.286	5.286	0.0	96	231879	52.0	
\$ 11 Nitrobenzene-d5	82	6.541	6.541	0.0	85	204185	48.6	
\$ 12 2-Fluorobiphenyl	172	8.935	8.935	0.0	100	392566	50.9	
\$ 13 2,4,6-Tribromophenol	330	10.735	10.735	0.0	90	44359	53.0	
\$ 14 p-Terphenyl-d14	244	13.037	13.037	0.0	99	409994	52.4	
81 N-Nitrosodimethylamine	42	2.016	2.016	0.0	83	105429	48.7	
82 Pyridine	52	2.075	2.075	0.0	89	163268	54.5	
89 Phenol	94	5.302	5.302	0.0	89	257830	51.5	
90 Aniline	93	5.307	5.307	0.0	76	284837	49.5	
91 Bis(2-chloroethyl)ether	93	5.409	5.409	0.0	97	188299	50.9	
93 2-Chlorophenol	128	5.483	5.483	0.0	90	189138	49.8	
94 1,3-Dichlorobenzene	146	5.702	5.702	0.0	98	221976	51.0	
95 1,4-Dichlorobenzene	146	5.799	5.799	0.0	82	222559	49.9	
96 Benzyl alcohol	108	5.980	5.980	0.0	91	123882	50.9	
97 1,2-Dichlorobenzene	146	6.018	6.018	0.0	82	207281	49.7	
98 2-Methylphenol	108	6.157	6.157	0.0	96	164931	49.8	
99 2,2'-oxybis[1-chloropropane]	45	6.183	6.183	0.0	65	258662	53.4	
101 N-Nitrosodi-n-propylamine	70	6.354	6.354	0.0	87	138211	49.8	
102 4-Methylphenol	108	6.370	6.370	0.0	95	175429	51.3	
106 Hexachloroethane	117	6.482	6.482	0.0	90	77501	47.6	
107 Nitrobenzene	77	6.568	6.568	0.0	83	204634	48.8	
110 Isophorone	82	6.899	6.899	0.0	96	357581	50.7	
111 2-Nitrophenol	139	7.006	7.006	0.0	93	100464	52.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.091	7.091	0.0	96	183308	48.5	
113 Tetraethyl lead	237	7.156	7.156	0.0	91	54572	38.4	
115 Bis(2-chloroethoxy)methane	93	7.209	7.209	0.0	99	204255	50.6	
119 Benzoic acid	105	7.300	7.300	0.0	85	352516	135.0	
117 2,4-Dichlorophenol	162	7.332	7.332	0.0	89	152031	51.6	
120 1,2,4-Trichlorobenzene	180	7.444	7.444	0.0	94	159930	48.7	
121 Naphthalene	128	7.535	7.535	0.0	90	529700	51.3	
123 4-Chloroaniline	127	7.615	7.615	0.0	83	214608	50.4	
126 Hexachlorobutadiene	225	7.733	7.733	0.0	97	88713	47.7	
131 4-Chloro-3-methylphenol	107	8.277	8.277	0.0	91	161249	50.2	
133 2-Methylnaphthalene	142	8.448	8.448	0.0	87	360627	50.8	
136 Hexachlorocyclopentadiene	237	8.678	8.678	0.0	87	102531	48.1	
139 2,4,6-Trichlorophenol	196	8.828	8.828	0.0	90	101437	49.4	
140 2,4,5-Trichlorophenol	196	8.870	8.870	0.0	95	108532	48.7	
143 2-Chloronaphthalene	162	9.073	9.073	0.0	96	337872	51.2	
145 2-Nitroaniline	65	9.207	9.207	0.0	81	104563	49.7	
147 Dimethyl phthalate	163	9.458	9.458	0.0	98	383698	50.0	
148 2,6-Dinitrotoluene	165	9.522	9.522	0.0	91	89245	51.0	
149 Acenaphthylene	152	9.602	9.602	0.0	89	545248	52.4	
150 3-Nitroaniline	138	9.736	9.736	0.0	95	99340	53.0	
151 Acenaphthene	153	9.827	9.827	0.0	94	334457	51.2	
152 2,4-Dinitrophenol	184	9.869	9.869	0.0	77	42493	42.5	
153 4-Nitrophenol	109	9.971	9.971	0.0	91	48770	40.9	
154 2,4-Dinitrotoluene	165	10.035	10.035	0.0	87	121467	51.0	
155 Dibenzofuran	168	10.046	10.046	0.0	88	485871	51.2	
160 Diethyl phthalate	149	10.345	10.345	0.0	97	385194	49.4	
161 Fluorene	166	10.457	10.457	0.0	83	391381	50.3	
162 4-Chlorophenyl phenyl ether	204	10.462	10.462	0.0	85	181304	49.3	
164 4-Nitroaniline	138	10.484	10.484	0.0	84	104998	55.2	
166 4,6-Dinitro-2-methylphenol	198	10.527	10.527	0.0	84	68847	51.1	
167 N-Nitrosodiphenylamine	169	10.601	10.601	0.0	59	276451	51.4	
168 1,2-Diphenylhydrazine	77	10.649	10.649	0.0	96	406410	50.8	
176 4-Bromophenyl phenyl ether	248	11.018	11.018	0.0	63	101380	51.8	
177 Hexachlorobenzene	284	11.098	11.098	0.0	92	101841	51.7	
181 Pentachlorophenol	266	11.306	11.306	0.0	84	59117	48.3	
185 Phenanthrene	178	11.520	11.520	0.0	96	562554	52.3	
188 Anthracene	178	11.568	11.568	0.0	97	564089	52.0	
189 Carbazole	167	11.739	11.739	0.0	82	528938	52.4	
192 Di-n-butyl phthalate	149	12.097	12.097	0.0	100	644759	53.2	
203 3,3'-Dimethylbenzidine	212		12.569					
197 Fluoranthene	202	12.690	12.690	0.0	97	600657	51.9	
198 Benzidine	184	12.802	12.802	0.0	97	225211	37.2	
199 Pyrene	202	12.898	12.898	0.0	97	604673	52.9	
205 Butyl benzyl phthalate	149	13.465	13.465	0.0	96	292872	53.0	
208 3,3'-Dichlorobenzidine	252	13.930	13.930	0.0	65	204365	53.2	
210 Bis(2-ethylhexyl) phthalate	149	13.951	13.951	0.0	97	409038	53.4	
209 Benzo[a]anthracene	228	13.962	13.962	0.0	94	534536	50.6	
211 Chrysene	228	13.994	13.994	0.0	91	514872	50.2	
212 Di-n-octyl phthalate	149	14.485	14.485	0.0	99	665405	56.1	
213 Benzo[b]fluoranthene	252	14.891	14.891	0.0	93	511373	50.6	
214 Benzo[k]fluoranthene	252	14.918	14.918	0.0	98	558568	52.7	
217 Benzo[a]pyrene	252	15.196	15.196	0.0	73	436078	51.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.382	16.382	0.0	92	519017	50.4	
220 Dibenz(a,h)anthracene	278	16.382	16.382	0.0	49	435705	50.5	
221 Benzo[g,h,i]perylene	276	16.707	16.707	0.0	91	410461	50.0	
S 222 Total Cresols	1				0		101.2	
S 78 3-Methylphenol	1				0		51.3	
S 77 3 & 4 Methylphenol	108				0		51.3	

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5108.D

Injection Date: 16-Sep-2011 08:09:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 2

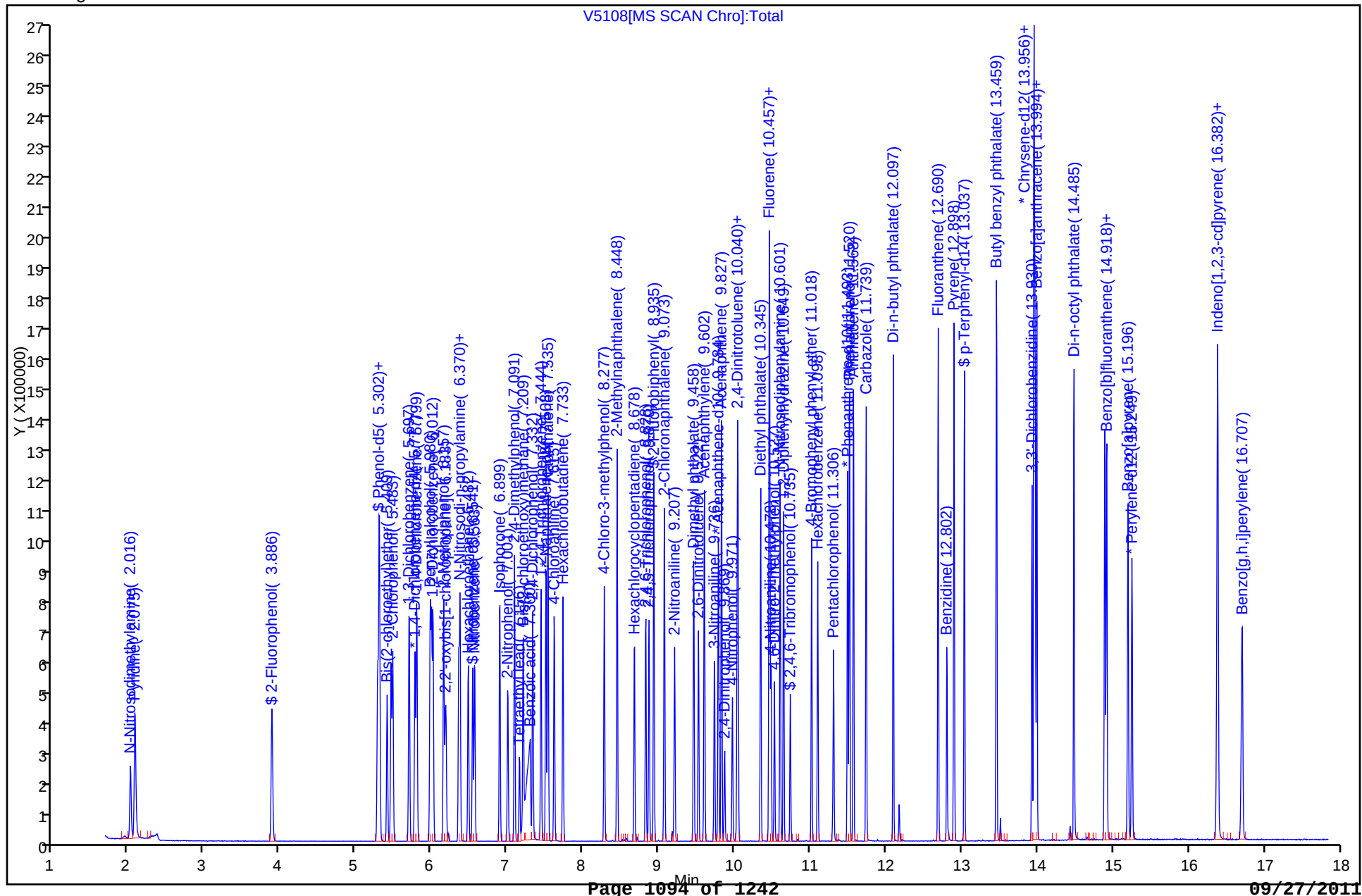
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-31527/2 Calibration Date: 09/16/2011 08:09

Instrument ID: HP5973V Calib Start Date: 09/08/2011 08:42

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/08/2011 10:41

Lab File ID: V5108.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.7708	0.7504	0.0100	48700	50000	-2.7	25.0
Pyridine	Ave	1.066	1.162	0.0100	54500	50000	9.0	100.0
Phenol	Ave	1.782	1.835	0.0100	51500	50000	3.0	20.0
Aniline	Ave	2.047	2.027	0.0100	49500	50000	-1.0	100.0
Bis(2-chloroethyl)ether	Ave	1.315	1.340	0.0100	50900	50000	1.9	25.0
2-Chlorophenol	Ave	1.351	1.346	0.0100	49800	50000	-0.4	25.0
1,3-Dichlorobenzene	Ave	1.550	1.580	0.0100	51000	50000	2.0	25.0
1,4-Dichlorobenzene	Ave	1.588	1.584	0.0100	49900	50000	-0.3	20.0
Benzyl alcohol	Ave	0.8655	0.8817	0.0100	50900	50000	1.9	100.0
1,2-Dichlorobenzene	Ave	1.483	1.475	0.0100	49700	50000	-0.5	25.0
2-Methylphenol	Ave	1.178	1.174	0.0100	49800	50000	-0.3	25.0
bis (2-chloroisopropyl) ether	Ave	1.725	1.841	0.0100	53400	50000	6.7	25.0
N-Nitrosodi-n-propylamine	Ave	0.9875	0.9837	0.0500	49800	50000	-0.4	25.0
4-Methylphenol	Ave	1.216	1.249	0.0100	51300	50000	2.6	25.0
Hexachloroethane	Ave	0.5800	0.5516	0.0100	47600	50000	-4.9	25.0
Nitrobenzene	Ave	0.3999	0.3902	0.0100	48800	50000	-2.4	25.0
Isophorone	Ave	0.6727	0.6818	0.0100	50700	50000	1.3	25.0
2-Nitrophenol	Ave	0.1840	0.1916	0.0100	52000	50000	4.1	20.0
2,4-Dimethylphenol	Ave	0.3603	0.3495	0.0100	48500	50000	-3.0	25.0
Tetraethyl lead	Ave	0.1354	0.1041	0.0100	38400	50000	-23.2	40.0
Bis(2-chloroethoxy)methane	Ave	0.3850	0.3895	0.0100	50600	50000	1.1	25.0
Benzoic acid	Ave	0.2490	0.2240	0.0100	135000	150000	-10.0	25.0
2,4-Dichlorophenol	Ave	0.2809	0.2899	0.0100	51600	50000	3.2	20.0
1,2,4-Trichlorobenzene	Ave	0.3130	0.3049	0.0100	48700	50000	-2.6	25.0
Naphthalene	Ave	0.9838	1.010	0.0100	51300	50000	2.7	25.0
4-Chloroaniline	Ave	0.4062	0.4092	0.0100	50400	50000	0.7	25.0
Hexachlorobutadiene	Ave	0.1773	0.1692	0.0100	47700	50000	-4.6	20.0
4-Chloro-3-methylphenol	Ave	0.3061	0.3075	0.0100	50200	50000	0.5	20.0
2-Methylnaphthalene	Ave	0.6767	0.6876	0.0100	50800	50000	1.6	25.0
Hexachlorocyclopentadiene	Ave	0.3535	0.3403	0.0500	48100	50000	-3.7	25.0
2,4,6-Trichlorophenol	Ave	0.3409	0.3367	0.0100	49400	50000	-1.3	20.0
2,4,5-Trichlorophenol	Ave	0.3697	0.3602	0.0100	48700	50000	-2.6	25.0
2-Chloronaphthalene	Ave	1.096	1.121	0.0100	51200	50000	2.3	25.0
2-Nitroaniline	Ave	0.3492	0.3470	0.0100	49700	50000	-0.6	25.0
Dimethyl phthalate	Ave	1.272	1.273	0.0100	50000	50000	0.0	25.0
2,6-Dinitrotoluene	Ave	0.2906	0.2962	0.0100	51000	50000	1.9	25.0
Acenaphthylene	Ave	1.728	1.810	0.0100	52400	50000	4.7	25.0
3-Nitroaniline	Ave	0.3111	0.3297	0.0100	53000	50000	6.0	25.0
Acenaphthene	Ave	1.083	1.110	0.0100	51200	50000	2.5	20.0
2,4-Dinitrophenol	Lin1		0.1410	0.0500	42500	50000	-15.0	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-31527/2 Calibration Date: 09/16/2011 08:09
 Instrument ID: HP5973V Calib Start Date: 09/08/2011 08:42
 GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/08/2011 10:41
 Lab File ID: V5108.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitrophenol	Ave	0.1978	0.1619	0.0500	40900	50000	-18.2	25.0
2,4-Dinitrotoluene	Ave	0.3955	0.4031	0.0100	51000	50000	1.9	25.0
Dibenzofuran	Ave	1.575	1.613	0.0100	51200	50000	2.4	25.0
Diethyl phthalate	Ave	1.294	1.278	0.0100	49400	50000	-1.2	25.0
Fluorene	Ave	1.291	1.299	0.0100	50300	50000	0.6	25.0
4-Chlorophenyl phenyl ether	Ave	0.6104	0.6017	0.0100	49300	50000	-1.4	25.0
4-Nitroaniline	Ave	0.3155	0.3485	0.0100	55200	50000	10.5	25.0
4,6-Dinitro-2-methylphenol	Ave	0.1341	0.1371	0.0100	51100	50000	2.2	25.0
N-Nitrosodiphenylamine	Ave	0.5352	0.5505	0.0100	51400	50000	2.9	20.0
1,2-Diphenylhydrazine	Ave	1.328	1.349	0.0100	50800	50000	1.6	25.0
4-Bromophenyl phenyl ether	Ave	0.1950	0.2019	0.0100	51800	50000	3.5	25.0
Hexachlorobenzene	Ave	0.1961	0.2028	0.0100	51700	50000	3.4	25.0
Pentachlorophenol	Lin1		0.1177	0.0100	48300	50000	-3.4	20.0
Phenanthrene	Ave	1.071	1.120	0.0100	52300	50000	4.6	25.0
Anthracene	Ave	1.080	1.123	0.0100	52000	50000	4.0	25.0
Carbazole	Ave	1.005	1.053	0.0100	52400	50000	4.7	25.0
Di-n-butyl phthalate	Ave	1.207	1.284	0.0100	53200	50000	6.3	25.0
Fluoranthene	Ave	1.152	1.196	0.0100	51900	50000	3.8	20.0
Benzidine	Ave	0.6676	0.4970	0.0100	37200	50000	-25.5*	25.0
Pyrene	Ave	1.262	1.334	0.0100	52900	50000	5.8	25.0
Butyl benzyl phthalate	Ave	0.6102	0.6464	0.0100	53000	50000	5.9	25.0
3,3'-Dichlorobenzidine	Ave	0.4237	0.4510	0.0100	53200	50000	6.5	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.8458	0.9027	0.0100	53400	50000	6.7	25.0
Benzo(a)anthracene	Ave	1.166	1.180	0.0100	50600	50000	1.1	25.0
Chrysene	Ave	1.131	1.136	0.0100	50200	50000	0.4	25.0
Di-n-octyl phthalate	Ave	1.309	1.469	0.0100	56100	50000	12.2	20.0
Benzo(b)fluoranthene	Ave	1.162	1.176	0.0100	50600	50000	1.2	25.0
Benzo(k)fluoranthene	Ave	1.218	1.284	0.0100	52700	50000	5.4	25.0
Benzo(a)pyrene	Ave	0.9749	1.003	0.0100	51400	50000	2.8	20.0
Dibenz(a,h)anthracene	Ave	0.9917	1.002	0.0100	50500	50000	1.0	25.0
Indeno(1,2,3-cd)pyrene	Ave	1.184	1.193	0.0100	50400	50000	0.8	25.0
Benzo(g,h,i)perylene	Ave	0.9429	0.9437	0.0100	50000	50000	0.0	25.0
2-Fluorophenol	Ave	1.253	1.303	0.0100	52000	50000	4.0	25.0
Phenol-d5	Ave	1.586	1.650	0.0100	52000	50000	4.1	25.0
Nitrobenzene-d5	Ave	0.4002	0.3893	0.0100	48600	50000	-2.7	25.0
2-Fluorobiphenyl	Ave	1.279	1.303	0.0100	50900	50000	1.8	25.0
2,4,6-Tribromophenol	Ave	0.0833	0.0883	0.0100	53000	50000	6.0	25.0
p-Terphenyl-d14	Ave	0.8637	0.9048	0.0100	52400	50000	4.8	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5108.D
 Lims ID: CCVIS - 8270 Client ID:
 Inject. Date: 16-Sep-2011 08:09:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: CCVIS - 8270
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 31527 Lims Sample ID: 2
 Sublist: chrom-V-8270*sub13
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V-8270.m
 Last Update: 16-Sep-2011 09:28:27 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 16-Sep-2011 08:56:15

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.777	5.777	0.0	96	112402	40.0	
* 2 Naphthalene-d8	136	7.508	7.508	0.0	99	419578	40.0	
* 3 Acenaphthene-d10	164	9.784	9.784	0.0	91	241045	40.0	
* 4 Phenanthrene-d10	188	11.493	11.493	0.0	97	401772	40.0	
* 5 Chrysene-d12	240	13.972	13.972	0.0	96	362495	40.0	
* 6 Perylene-d12	264	15.249	15.249	0.0	98	347965	40.0	
\$ 9 2-Fluorophenol	112	3.886	3.886	0.0	90	183118	52.0	
\$ 10 Phenol-d5	99	5.286	5.286	0.0	96	231879	52.0	
\$ 11 Nitrobenzene-d5	82	6.541	6.541	0.0	85	204185	48.6	
\$ 12 2-Fluorobiphenyl	172	8.935	8.935	0.0	100	392566	50.9	
\$ 13 2,4,6-Tribromophenol	330	10.735	10.735	0.0	90	44359	53.0	
\$ 14 p-Terphenyl-d14	244	13.037	13.037	0.0	99	409994	52.4	
81 N-Nitrosodimethylamine	42	2.016	2.016	0.0	83	105429	48.7	
82 Pyridine	52	2.075	2.075	0.0	89	163268	54.5	
89 Phenol	94	5.302	5.302	0.0	89	257830	51.5	
90 Aniline	93	5.307	5.307	0.0	76	284837	49.5	
91 Bis(2-chloroethyl)ether	93	5.409	5.409	0.0	97	188299	50.9	
93 2-Chlorophenol	128	5.483	5.483	0.0	90	189138	49.8	
94 1,3-Dichlorobenzene	146	5.702	5.702	0.0	98	221976	51.0	
95 1,4-Dichlorobenzene	146	5.799	5.799	0.0	82	222559	49.9	
96 Benzyl alcohol	108	5.980	5.980	0.0	91	123882	50.9	
97 1,2-Dichlorobenzene	146	6.018	6.018	0.0	82	207281	49.7	
98 2-Methylphenol	108	6.157	6.157	0.0	96	164931	49.8	
99 2,2'-oxybis[1-chloropropane]	45	6.183	6.183	0.0	65	258662	53.4	
101 N-Nitrosodi-n-propylamine	70	6.354	6.354	0.0	87	138211	49.8	
102 4-Methylphenol	108	6.370	6.370	0.0	95	175429	51.3	
106 Hexachloroethane	117	6.482	6.482	0.0	90	77501	47.6	
107 Nitrobenzene	77	6.568	6.568	0.0	83	204634	48.8	
110 Isophorone	82	6.899	6.899	0.0	96	357581	50.7	
111 2-Nitrophenol	139	7.006	7.006	0.0	93	100464	52.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.091	7.091	0.0	96	183308	48.5	
113 Tetraethyl lead	237	7.156	7.156	0.0	91	54572	38.4	
115 Bis(2-chloroethoxy)methane	93	7.209	7.209	0.0	99	204255	50.6	
119 Benzoic acid	105	7.300	7.300	0.0	85	352516	135.0	
117 2,4-Dichlorophenol	162	7.332	7.332	0.0	89	152031	51.6	
120 1,2,4-Trichlorobenzene	180	7.444	7.444	0.0	94	159930	48.7	
121 Naphthalene	128	7.535	7.535	0.0	90	529700	51.3	
123 4-Chloroaniline	127	7.615	7.615	0.0	83	214608	50.4	
126 Hexachlorobutadiene	225	7.733	7.733	0.0	97	88713	47.7	
131 4-Chloro-3-methylphenol	107	8.277	8.277	0.0	91	161249	50.2	
133 2-Methylnaphthalene	142	8.448	8.448	0.0	87	360627	50.8	
136 Hexachlorocyclopentadiene	237	8.678	8.678	0.0	87	102531	48.1	
139 2,4,6-Trichlorophenol	196	8.828	8.828	0.0	90	101437	49.4	
140 2,4,5-Trichlorophenol	196	8.870	8.870	0.0	95	108532	48.7	
143 2-Chloronaphthalene	162	9.073	9.073	0.0	96	337872	51.2	
145 2-Nitroaniline	65	9.207	9.207	0.0	81	104563	49.7	
147 Dimethyl phthalate	163	9.458	9.458	0.0	98	383698	50.0	
148 2,6-Dinitrotoluene	165	9.522	9.522	0.0	91	89245	51.0	
149 Acenaphthylene	152	9.602	9.602	0.0	89	545248	52.4	
150 3-Nitroaniline	138	9.736	9.736	0.0	95	99340	53.0	
151 Acenaphthene	153	9.827	9.827	0.0	94	334457	51.2	
152 2,4-Dinitrophenol	184	9.869	9.869	0.0	77	42493	42.5	
153 4-Nitrophenol	109	9.971	9.971	0.0	91	48770	40.9	
154 2,4-Dinitrotoluene	165	10.035	10.035	0.0	87	121467	51.0	
155 Dibenzofuran	168	10.046	10.046	0.0	88	485871	51.2	
160 Diethyl phthalate	149	10.345	10.345	0.0	97	385194	49.4	
161 Fluorene	166	10.457	10.457	0.0	83	391381	50.3	
162 4-Chlorophenyl phenyl ether	204	10.462	10.462	0.0	85	181304	49.3	
164 4-Nitroaniline	138	10.484	10.484	0.0	84	104998	55.2	
166 4,6-Dinitro-2-methylphenol	198	10.527	10.527	0.0	84	68847	51.1	
167 N-Nitrosodiphenylamine	169	10.601	10.601	0.0	59	276451	51.4	
168 1,2-Diphenylhydrazine	77	10.649	10.649	0.0	96	406410	50.8	
176 4-Bromophenyl phenyl ether	248	11.018	11.018	0.0	63	101380	51.8	
177 Hexachlorobenzene	284	11.098	11.098	0.0	92	101841	51.7	
181 Pentachlorophenol	266	11.306	11.306	0.0	84	59117	48.3	
185 Phenanthrene	178	11.520	11.520	0.0	96	562554	52.3	
188 Anthracene	178	11.568	11.568	0.0	97	564089	52.0	
189 Carbazole	167	11.739	11.739	0.0	82	528938	52.4	
192 Di-n-butyl phthalate	149	12.097	12.097	0.0	100	644759	53.2	
203 3,3'-Dimethylbenzidine	212		12.569					
197 Fluoranthene	202	12.690	12.690	0.0	97	600657	51.9	
198 Benzidine	184	12.802	12.802	0.0	97	225211	37.2	
199 Pyrene	202	12.898	12.898	0.0	97	604673	52.9	
205 Butyl benzyl phthalate	149	13.465	13.465	0.0	96	292872	53.0	
208 3,3'-Dichlorobenzidine	252	13.930	13.930	0.0	65	204365	53.2	
210 Bis(2-ethylhexyl) phthalate	149	13.951	13.951	0.0	97	409038	53.4	
209 Benzo[a]anthracene	228	13.962	13.962	0.0	94	534536	50.6	
211 Chrysene	228	13.994	13.994	0.0	91	514872	50.2	
212 Di-n-octyl phthalate	149	14.485	14.485	0.0	99	665405	56.1	
213 Benzo[b]fluoranthene	252	14.891	14.891	0.0	93	511373	50.6	
214 Benzo[k]fluoranthene	252	14.918	14.918	0.0	98	558568	52.7	
217 Benzo[a]pyrene	252	15.196	15.196	0.0	73	436078	51.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.382	16.382	0.0	92	519017	50.4	
220 Dibenz(a,h)anthracene	278	16.382	16.382	0.0	49	435705	50.5	
221 Benzo[g,h,i]perylene	276	16.707	16.707	0.0	91	410461	50.0	
S 222 Total Cresols	1				0		101.2	
S 78 3-Methylphenol	1				0		51.3	
S 77 3 & 4 Methylphenol	108				0		51.3	

Chrom Revision: 2.0 01-Sep-2011 14:10:00

110916-6006.b\V5108.D

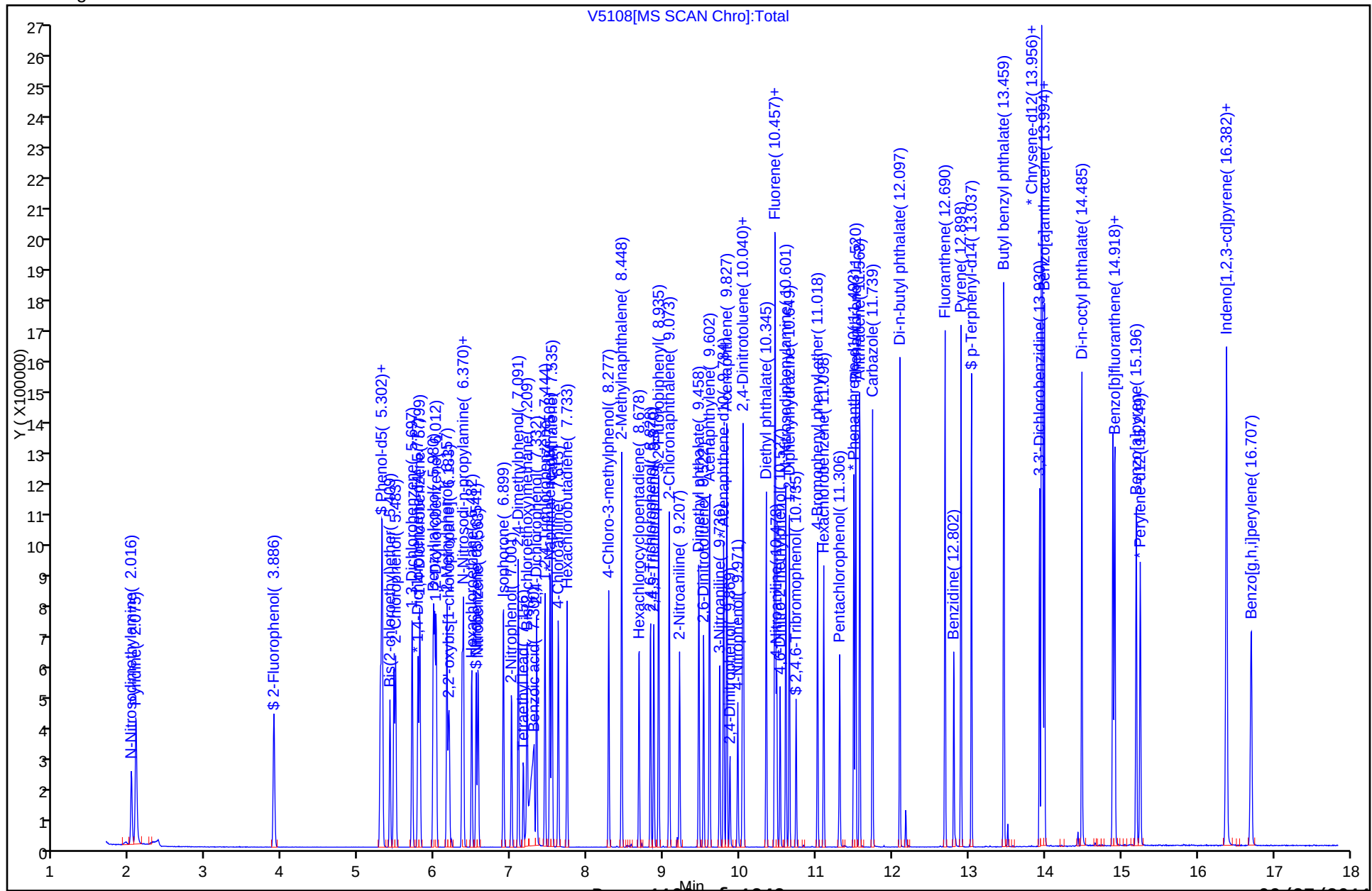
Limit Group: MB - 8270C ICAL

Instrument ID: HP5973V

Lims Sample ID: 2

Injection Vol: 1.00 ul

Column Dia: 0.25 mm



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab Sample ID: CCV 480-31527/3 Calibration Date: 09/16/2011 08:33
Instrument ID: HP5973V Calib Start Date: 09/02/2011 13:24
GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/02/2011 15:23
Lab File ID: V5109.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.150	1.104	0.0100	48000	50000	-4.0	40.0
Acetophenone	Ave	1.879	1.770	0.0100	47100	50000	-5.8	40.0
Caprolactam	Lin1		0.1098	0.0100	55100	50000	10.2	40.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4907	0.5105	0.0100	52000	50000	4.0	40.0
Biphenyl	Ave	1.482	1.520	0.0100	51300	50000	2.6	40.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2421	0.0100	53200	50000	6.4	40.0
Atrazine	Ave	0.3021	0.3384	0.0100	56000	50000	12.0	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5109.D
 Lims ID: CCV - TCLADDS Client ID:
 Inject. Date: 16-Sep-2011 08:33:30 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 480-0006006-003
 Misc. Info.: CCV - TCLADDS
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 31527 Lims Sample ID: 3
 Sublist: chrom-V-8270*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V-8270.m
 Last Update: 16-Sep-2011 09:28:26 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 16-Sep-2011 08:56:29

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.777	5.777	0.0	95	104122	40.0	
* 2 Naphthalene-d8	136	7.503	7.503	0.0	99	389572	40.0	
* 3 Acenaphthene-d10	164	9.784	9.784	0.0	90	216529	40.0	
* 4 Phenanthrene-d10	188	11.488	11.488	0.0	97	357302	40.0	
* 5 Chrysene-d12	240	13.967	13.967	0.0	98	339237	40.0	
* 6 Perylene-d12	264	15.244	15.244	0.0	97	313468	40.0	
88 Benzaldehyde	77	5.147	5.147	0.0	91	143624	48.0	
104 Acetophenone	105	6.338	6.338	0.0	94	230334	47.1	
127 Caprolactam	113	8.021	8.021	0.0	70	53479	55.1	
138 1,2,4,5-Tetrachlorobenzene	216	8.673	8.673	0.0	96	138166	52.0	
144 1,1'-Biphenyl	154	9.052	9.052	0.0	95	411401	51.3	
158 2,3,4,6-Tetrachlorophenol	232	10.201	10.201	0.0	75	65533	53.2	
180 Atrazine	200	11.205	11.205	0.0	90	91581	56.0	

Report Date: 16-Sep-2011 09:28:26

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5109.D

Injection Date: 16-Sep-2011 08:33:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 3

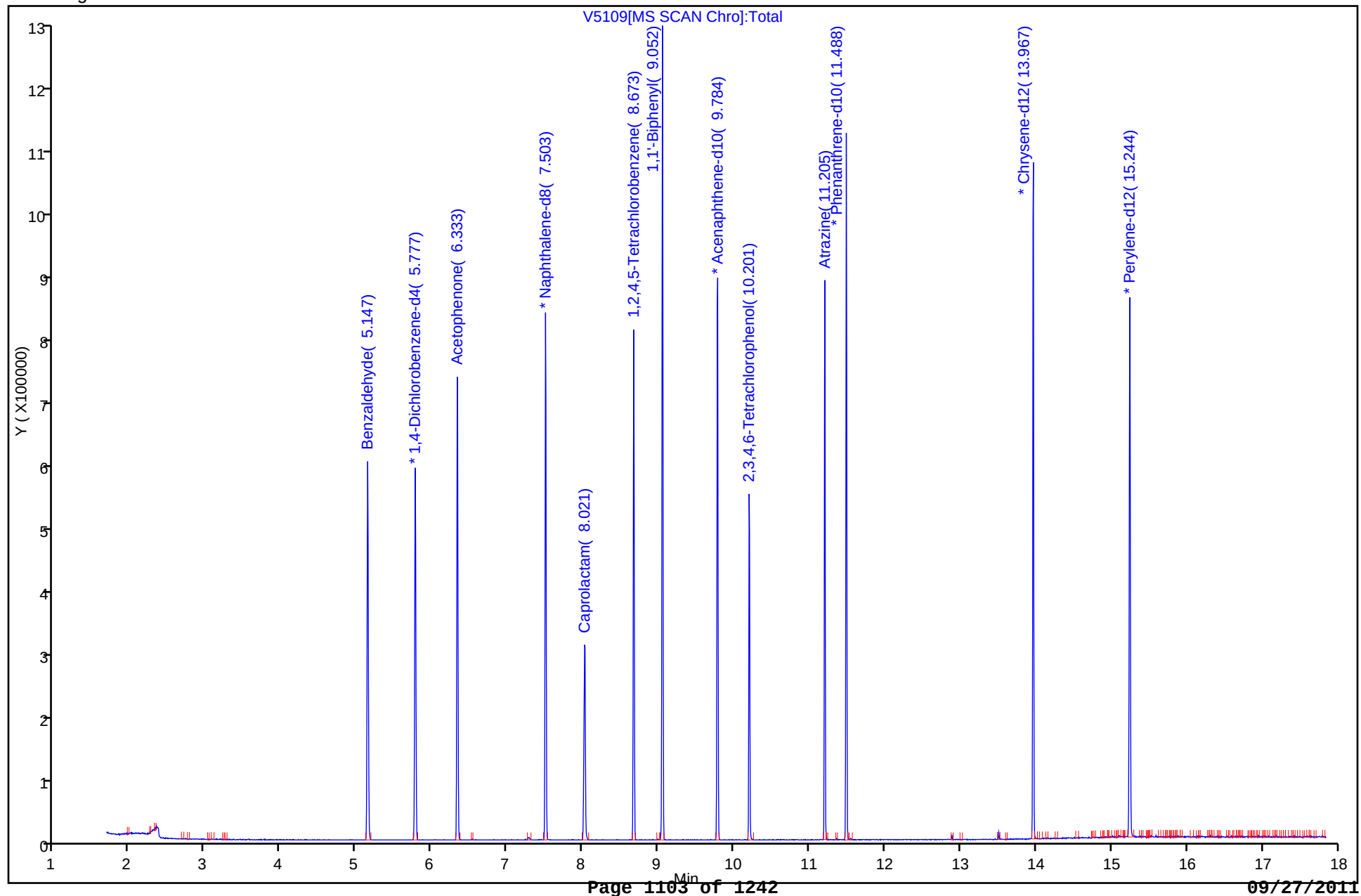
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab Sample ID: CCVIS 480-30456/2 Calibration Date: 09/08/2011 11:34
Instrument ID: HP5973W Calib Start Date: 07/01/2011 10:28
GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 07/01/2011 12:26
Lab File ID: W4835.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dimethylbenzidine	Ave	0.5830		0.0100		50000		100.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4835.D
 Lims ID: CCVIS 8270 Client ID:
 Inject. Date: 08-Sep-2011 11:34:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: 480-0005823-002
 Misc. Info.: CCVIS 8270 =CCVIS 8270
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 30456 Lims Sample ID: 2
 Sublist: chrom-W-8270*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W-8270.m
 Last Update: 08-Sep-2011 12:11:08 Calib Date: 07-Sep-2011 19:22:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4799.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

Date: 08-Sep-2011 12:11:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.051	6.051	0.0	98	114881	40.0	
* 2 Naphthalene-d8	136	7.739	7.739	0.0	100	454833	40.0	
* 3 Acenaphthene-d10	164	10.015	10.015	0.0	98	245680	40.0	
* 4 Phenanthrene-d10	188	11.703	11.703	0.0	99	431665	40.0	
* 5 Chrysene-d12	240	14.193	14.193	0.0	94	422040	40.0	
* 6 Perylene-d12	264	15.550	15.550	0.0	97	389724	40.0	
\$ 7 2-Fluorophenol	112	4.278	4.278	0.0	96	229997	53.8	
\$ 8 Phenol-d5	99	5.554	5.554	0.0	95	272964	51.5	
\$ 9 Nitrobenzene-d5	82	6.783	6.783	0.0	95	225003	53.0	
\$ 10 2-Fluorobiphenyl	172	9.160	9.160	0.0	100	394303	52.7	
\$ 11 2,4,6-Tribromophenol	330	10.950	10.950	0.0	91	52578	51.4	
\$ 12 p-Terphenyl-d14	244	13.247	13.247	0.0	98	450634	50.9	
53 N-Nitrosodimethylamine	42	2.563	2.563	0.0	83	126137	55.5	
52 Pyridine	52	2.632	2.632	0.0	90	213966	56.0	
72 Phenol	94	5.570	5.570	0.0	95	307945	50.8	
69 Aniline	93	5.597	5.597	0.0	25	342816	49.8	
74 Bis(2-chloroethyl)ether	93	5.688	5.688	0.0	95	228299	51.3	
75 2-Chlorophenol	128	5.768	5.768	0.0	92	221234	50.1	
78 1,3-Dichlorobenzene	146	5.976	5.976	0.0	95	232956	51.4	
77 1,4-Dichlorobenzene	146	6.073	6.073	0.0	81	239161	51.5	
79 Benzyl alcohol	108	6.233	6.233	0.0	90	143091	49.4	
73 1,2-Dichlorobenzene	146	6.281	6.281	0.0	86	222598	51.0	
82 2-Methylphenol	108	6.393	6.393	0.0	97	190098	48.8	
83 2,2'-oxybis[1-chloropropane]	45	6.430	6.430	0.0	55	302463	50.3	
88 4-Methylphenol	108	6.601	6.601	0.0	94	197470	50.5	
87 N-Nitrosodi-n-propylamine	70	6.601	6.601	0.0	76	148242	49.5	
89 Hexachloroethane	117	6.735	6.735	0.0	97	91645	52.5	
85 Nitrobenzene	77	6.810	6.810	0.0	88	225019	52.2	
94 Isophorone	82	7.130	7.130	0.0	97	394022	52.0	
97 2-Nitrophenol	139	7.237	7.237	0.0	98	102391	53.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
99 2,4-Dimethylphenol	107	7.312	7.312	0.0	96	210100	51.8	
101 Tetraethyl lead	237	7.392	7.392	0.0	91	72333	51.9	
103 Bis(2-chloroethoxy)methane	93	7.429	7.429	0.0	99	235215	50.6	
105 Benzoic acid	105	7.483	7.483	0.0	85	363805	119.9	
106 2,4-Dichlorophenol	162	7.558	7.558	0.0	96	155852	52.3	
100 1,2,4-Trichlorobenzene	180	7.675	7.675	0.0	94	177542	51.6	
107 Naphthalene	128	7.766	7.766	0.0	96	581873	51.1	
108 4-Chloroaniline	127	7.841	7.841	0.0	82	243180	50.6	
110 Hexachlorobutadiene	225	7.958	7.958	0.0	95	96326	51.7	
117 4-Chloro-3-methylphenol	107	8.487	8.487	0.0	98	172980	50.8	
121 2-Methylnaphthalene	142	8.674	8.674	0.0	85	364075	51.2	
125 Hexachlorocyclopentadiene	237	8.904	8.904	0.0	98	102632	53.9	
127 2,4,6-Trichlorophenol	196	9.048	9.048	0.0	91	106981	53.0	
129 2,4,5-Trichlorophenol	196	9.086	9.086	0.0	93	111441	50.8	
131 2-Chloronaphthalene	162	9.299	9.299	0.0	98	356758	52.7	
132 2-Nitroaniline	65	9.433	9.433	0.0	80	115869	52.3	
134 Dimethyl phthalate	163	9.684	9.684	0.0	98	401021	52.0	
135 2,6-Dinitrotoluene	165	9.748	9.748	0.0	90	87728	52.6	
137 Acenaphthylene	152	9.833	9.833	0.0	90	523322	52.4	
140 3-Nitroaniline	138	9.956	9.956	0.0	90	101757	51.6	
141 Acenaphthene	153	10.053	10.053	0.0	92	356703	51.9	
142 2,4-Dinitrophenol	184	10.090	10.090	0.0	53	36652	42.2	
143 4-Nitrophenol	109	10.175	10.175	0.0	93	63204	51.8	
144 2,4-Dinitrotoluene	165	10.256	10.256	0.0	91	122478	54.0	
145 Dibenzofuran	168	10.266	10.266	0.0	84	485498	52.3	
149 Diethyl phthalate	149	10.560	10.560	0.0	97	386397	52.6	
151 Fluorene	166	10.678	10.678	0.0	84	389827	53.5	
152 4-Chlorophenyl phenyl ether	204	10.678	10.678	0.0	70	198119	52.6	
153 4-Nitroaniline	138	10.699	10.699	0.0	82	105322	50.2	
154 4,6-Dinitro-2-methylphenol	198	10.736	10.736	0.0	80	65852	45.0	
157 N-Nitrosodiphenylamine	169	10.816	10.816	0.0	98	281335	50.9	
159 1,2-Diphenylhydrazine	77	10.859	10.859	0.0	98	434907	51.8	
164 4-Bromophenyl phenyl ether	248	11.228	11.228	0.0	91	105985	51.5	
168 Hexachlorobenzene	284	11.308	11.308	0.0	91	113433	51.3	
172 Pentachlorophenol	266	11.516	11.516	0.0	84	69160	53.4	
177 Phenanthrene	178	11.730	11.730	0.0	96	617898	51.4	
180 Anthracene	178	11.783	11.783	0.0	97	624521	51.4	
181 Carbazole	167	11.949	11.949	0.0	83	543749	50.9	
184 Di-n-butyl phthalate	149	12.302	12.302	0.0	100	641703	51.8	
191 Fluoranthene	202	12.905	12.905	0.0	97	668720	52.1	
192 Benzidine	184	13.017	13.017	0.0	98	310764	45.4	
193 Pyrene	202	13.114	13.114	0.0	95	680196	50.2	
201 3,3'-Dimethylbenzidine	212		13.102					
200 Butyl benzyl phthalate	149	13.675	13.675	0.0	97	303861	53.6	
204 3,3'-Dichlorobenzidine	252	14.150	14.150	0.0	97	210895	48.8	
206 Bis(2-ethylhexyl) phthalate	149	14.171	14.171	0.0	95	428090	53.6	
205 Benzo[a]anthracene	228	14.182	14.182	0.0	94	595484	49.9	
207 Chrysene	228	14.214	14.214	0.0	92	632580	50.1	
208 Di-n-octyl phthalate	149	14.722	14.722	0.0	100	664172	50.1	
209 Benzo[b]fluoranthene	252	15.165	15.165	0.0	92	494365	50.4	
211 Benzo[k]fluoranthene	252	15.192	15.192	0.0	95	686001	54.9	
213 Benzo[a]pyrene	252	15.496	15.496	0.0	99	450241	51.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
215 Indeno[1,2,3-cd]pyrene	276	16.768	16.768	0.0	89	541774	46.8	
216 Dibenz(a,h)anthracene	278	16.773	16.773	0.0	51	458576	47.8	
217 Benzo[g,h,i]perylene	276	17.120	17.120	0.0	91	458019	51.7	
S 218 3 & 4 Methylphenol	108				0		50.5	
S 219 3-Methylphenol	1				0		50.5	
S 220 Total Cresols	1				0		99.3	

Report Date: 08-Sep-2011 12:11:09

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4835.D

Injection Date: 08-Sep-2011 11:34:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 2

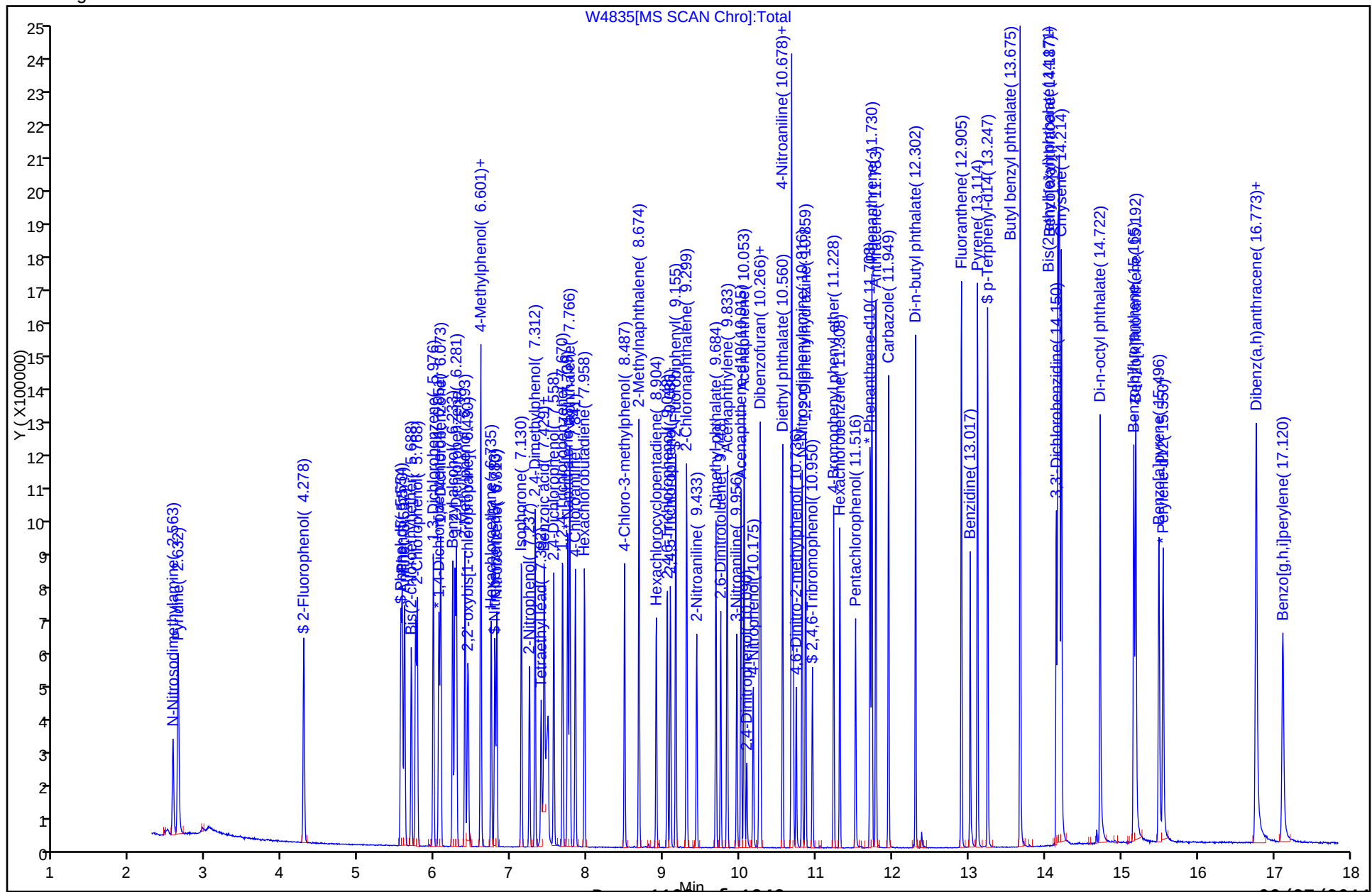
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-30456/2 Calibration Date: 09/08/2011 11:34

Instrument ID: HP5973W Calib Start Date: 09/07/2011 12:10

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/07/2011 14:40

Lab File ID: W4835.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.7915	0.8784	0.0100	55500	50000	11.0	25.0
Pyridine	Ave	1.330	1.490	0.0100	56000	50000	12.0	100.0
Phenol	Ave	2.109	2.144	0.0100	50800	50000	1.7	20.0
Aniline	Ave	2.398	2.387	0.0100	49800	50000	-0.4	100.0
Bis(2-chloroethyl)ether	Ave	1.550	1.590	0.0100	51300	50000	2.6	25.0
2-Chlorophenol	Ave	1.536	1.541	0.0100	50100	50000	0.3	25.0
1,3-Dichlorobenzene	Ave	1.578	1.622	0.0100	51400	50000	2.8	25.0
1,4-Dichlorobenzene	Ave	1.618	1.665	0.0100	51500	50000	2.9	20.0
Benzyl alcohol	Ave	1.009	0.996	0.0100	49400	50000	-1.3	100.0
1,2-Dichlorobenzene	Ave	1.519	1.550	0.0100	51000	50000	2.0	25.0
2-Methylphenol	Ave	1.356	1.324	0.0100	48800	50000	-2.4	25.0
bis (2-chloroisopropyl) ether	Ave	2.095	2.106	0.0100	50300	50000	0.5	25.0
4-Methylphenol	Ave	1.362	1.375	0.0100	50500	50000	1.0	25.0
N-Nitrosodi-n-propylamine	Ave	1.042	1.032	0.0500	49500	50000	-0.9	25.0
Hexachloroethane	Ave	0.6076	0.6382	0.0100	52500	50000	5.0	25.0
Nitrobenzene	Ave	0.3794	0.3958	0.0100	52200	50000	4.3	25.0
Isophorone	Ave	0.6664	0.6930	0.0100	52000	50000	4.0	25.0
2-Nitrophenol	Ave	0.1693	0.1801	0.0100	53200	50000	6.4	20.0
2,4-Dimethylphenol	Ave	0.3565	0.3695	0.0100	51800	50000	3.6	25.0
Tetraethyl lead	Ave	0.1225	0.1272	0.0100	51900	50000	3.9	40.0
Bis(2-chloroethoxy)methane	Ave	0.4084	0.4137	0.0100	50600	50000	1.3	25.0
Benzoic acid	Ave	0.2669	0.2133	0.0100	120000	150000	-20.1	25.0
2,4-Dichlorophenol	Ave	0.2620	0.2741	0.0100	52300	50000	4.6	20.0
1,2,4-Trichlorobenzene	Ave	0.3025	0.3123	0.0100	51600	50000	3.2	25.0
Naphthalene	Ave	1.001	1.023	0.0100	51100	50000	2.3	25.0
4-Chloroaniline	Ave	0.4228	0.4277	0.0100	50600	50000	1.2	25.0
Hexachlorobutadiene	Ave	0.1639	0.1694	0.0100	51700	50000	3.4	20.0
4-Chloro-3-methylphenol	Ave	0.2994	0.3043	0.0100	50800	50000	1.6	20.0
2-Methylnaphthalene	Ave	0.6252	0.6404	0.0100	51200	50000	2.4	25.0
Hexachlorocyclopentadiene	Ave	0.3102	0.3342	0.0500	53900	50000	7.7	25.0
2,4,6-Trichlorophenol	Ave	0.3289	0.3484	0.0100	53000	50000	5.9	20.0
2,4,5-Trichlorophenol	Ave	0.3573	0.3629	0.0100	50800	50000	1.6	25.0
2-Chloronaphthalene	Ave	1.103	1.162	0.0100	52700	50000	5.3	25.0
2-Nitroaniline	Ave	0.3605	0.3773	0.0100	52300	50000	4.7	25.0
Dimethyl phthalate	Ave	1.256	1.306	0.0100	52000	50000	4.0	25.0
2,6-Dinitrotoluene	Ave	0.2717	0.2857	0.0100	52600	50000	5.1	25.0
Acenaphthylene	Ave	1.626	1.704	0.0100	52400	50000	4.8	25.0
3-Nitroaniline	Ave	0.3209	0.3314	0.0100	51600	50000	3.2	25.0
Acenaphthene	Ave	1.119	1.162	0.0100	51900	50000	3.8	20.0
2,4-Dinitrophenol	Lin1		0.1194	0.0500	42200	50000	-15.6	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-30456/2 Calibration Date: 09/08/2011 11:34

Instrument ID: HP5973W Calib Start Date: 09/07/2011 12:10

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/07/2011 14:40

Lab File ID: W4835.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitrophenol	Ave	0.1987	0.2058	0.0500	51800	50000	3.6	25.0
2,4-Dinitrotoluene	Ave	0.3691	0.3988	0.0100	54000	50000	8.0	25.0
Dibenzofuran	Ave	1.512	1.581	0.0100	52300	50000	4.5	25.0
Diethyl phthalate	Ave	1.195	1.258	0.0100	52600	50000	5.3	25.0
4-Chlorophenyl phenyl ether	Ave	0.6131	0.6451	0.0100	52600	50000	5.2	25.0
Fluorene	Ave	1.186	1.269	0.0100	53500	50000	7.0	25.0
4-Nitroaniline	Ave	0.3414	0.3430	0.0100	50200	50000	0.5	25.0
4,6-Dinitro-2-methylphenol	Lin1		0.1220	0.0100	45000	50000	-10.0	25.0
N-Nitrosodiphenylamine	Ave	0.5124	0.5214	0.0100	50900	50000	1.8	20.0
1,2-Diphenylhydrazine	Ave	1.368	1.416	0.0100	51800	50000	3.5	25.0
4-Bromophenyl phenyl ether	Ave	0.1908	0.1964	0.0100	51500	50000	2.9	25.0
Hexachlorobenzene	Ave	0.2048	0.2102	0.0100	51300	50000	2.7	25.0
Pentachlorophenol	Ave	0.1200	0.1282	0.0100	53400	50000	6.8	20.0
Phenanthrene	Ave	1.115	1.145	0.0100	51400	50000	2.7	25.0
Anthracene	Ave	1.125	1.157	0.0100	51400	50000	2.9	25.0
Carbazole	Ave	0.9902	1.008	0.0100	50900	50000	1.8	25.0
Di-n-butyl phthalate	Ave	1.148	1.189	0.0100	51800	50000	3.5	25.0
Fluoranthene	Ave	1.189	1.239	0.0100	52100	50000	4.2	20.0
Benzidine	Ave	0.6492	0.5891	0.0100	45400	50000	-9.3	25.0
Pyrene	Ave	1.285	1.289	0.0100	50200	50000	0.4	25.0
Butyl benzyl phthalate	Ave	0.5370	0.5760	0.0100	53600	50000	7.3	25.0
3,3'-Dichlorobenzidine	Ave	0.4093	0.3998	0.0100	48800	50000	-2.3	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.7565	0.8115	0.0100	53600	50000	7.3	25.0
Benzo(a)anthracene	Ave	1.130	1.129	0.0100	49900	50000	-0.1	25.0
Chrysene	Ave	1.197	1.199	0.0100	50100	50000	0.2	25.0
Di-n-octyl phthalate	Lin1		1.259	0.0100	50100	50000	0.2	20.0
Benzo(b)fluoranthene	Ave	1.007	1.015	0.0100	50400	50000	0.8	25.0
Benzo(k)fluoranthene	Ave	1.282	1.408	0.0100	54900	50000	9.9	25.0
Benzo(a)pyrene	Ave	0.9024	0.9242	0.0100	51200	50000	2.4	20.0
Indeno(1,2,3-cd)pyrene	Lin1		1.112	0.0100	46800	50000	-6.4	25.0
Dibenz(a,h)anthracene	Lin1		0.9413	0.0100	47800	50000	-4.4	25.0
Benzo(g,h,i)perylene	Ave	0.9096	0.9402	0.0100	51700	50000	3.4	25.0
2-Fluorophenol	Ave	1.487	1.602	0.0100	53800	50000	7.7	25.0
Phenol-d5	Ave	1.846	1.901	0.0100	51500	50000	2.9	25.0
Nitrobenzene-d5	Ave	0.3737	0.3958	0.0100	53000	50000	5.9	25.0
2-Fluorobiphenyl	Ave	1.219	1.284	0.0100	52700	50000	5.4	25.0
2,4,6-Tribromophenol	Ave	0.0949	0.0974	0.0100	51400	50000	2.7	25.0
p-Terphenyl-d14	Ave	0.8385	0.8542	0.0100	50900	50000	1.9	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4835.D
 Lims ID: CCVIS 8270 Client ID:
 Inject. Date: 08-Sep-2011 11:34:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: 480-0005823-002
 Misc. Info.: CCVIS 8270 =CCVIS 8270
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 30456 Lims Sample ID: 2
 Sublist: chrom-W-8270*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W-8270.m
 Last Update: 08-Sep-2011 12:11:08 Calib Date: 07-Sep-2011 19:22:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4799.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

Date: 08-Sep-2011 12:11:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.051	6.051	0.0	98	114881	40.0	
* 2 Naphthalene-d8	136	7.739	7.739	0.0	100	454833	40.0	
* 3 Acenaphthene-d10	164	10.015	10.015	0.0	98	245680	40.0	
* 4 Phenanthrene-d10	188	11.703	11.703	0.0	99	431665	40.0	
* 5 Chrysene-d12	240	14.193	14.193	0.0	94	422040	40.0	
* 6 Perylene-d12	264	15.550	15.550	0.0	97	389724	40.0	
\$ 7 2-Fluorophenol	112	4.278	4.278	0.0	96	229997	53.8	
\$ 8 Phenol-d5	99	5.554	5.554	0.0	95	272964	51.5	
\$ 9 Nitrobenzene-d5	82	6.783	6.783	0.0	95	225003	53.0	
\$ 10 2-Fluorobiphenyl	172	9.160	9.160	0.0	100	394303	52.7	
\$ 11 2,4,6-Tribromophenol	330	10.950	10.950	0.0	91	52578	51.4	
\$ 12 p-Terphenyl-d14	244	13.247	13.247	0.0	98	450634	50.9	
53 N-Nitrosodimethylamine	42	2.563	2.563	0.0	83	126137	55.5	
52 Pyridine	52	2.632	2.632	0.0	90	213966	56.0	
72 Phenol	94	5.570	5.570	0.0	95	307945	50.8	
69 Aniline	93	5.597	5.597	0.0	25	342816	49.8	
74 Bis(2-chloroethyl)ether	93	5.688	5.688	0.0	95	228299	51.3	
75 2-Chlorophenol	128	5.768	5.768	0.0	92	221234	50.1	
78 1,3-Dichlorobenzene	146	5.976	5.976	0.0	95	232956	51.4	
77 1,4-Dichlorobenzene	146	6.073	6.073	0.0	81	239161	51.5	
79 Benzyl alcohol	108	6.233	6.233	0.0	90	143091	49.4	
73 1,2-Dichlorobenzene	146	6.281	6.281	0.0	86	222598	51.0	
82 2-Methylphenol	108	6.393	6.393	0.0	97	190098	48.8	
83 2,2'-oxybis[1-chloropropane]	45	6.430	6.430	0.0	55	302463	50.3	
88 4-Methylphenol	108	6.601	6.601	0.0	94	197470	50.5	
87 N-Nitrosodi-n-propylamine	70	6.601	6.601	0.0	76	148242	49.5	
89 Hexachloroethane	117	6.735	6.735	0.0	97	91645	52.5	
85 Nitrobenzene	77	6.810	6.810	0.0	88	225019	52.2	
94 Isophorone	82	7.130	7.130	0.0	97	394022	52.0	
97 2-Nitrophenol	139	7.237	7.237	0.0	98	102391	53.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
99 2,4-Dimethylphenol	107	7.312	7.312	0.0	96	210100	51.8	
101 Tetraethyl lead	237	7.392	7.392	0.0	91	72333	51.9	
103 Bis(2-chloroethoxy)methane	93	7.429	7.429	0.0	99	235215	50.6	
105 Benzoic acid	105	7.483	7.483	0.0	85	363805	119.9	
106 2,4-Dichlorophenol	162	7.558	7.558	0.0	96	155852	52.3	
100 1,2,4-Trichlorobenzene	180	7.675	7.675	0.0	94	177542	51.6	
107 Naphthalene	128	7.766	7.766	0.0	96	581873	51.1	
108 4-Chloroaniline	127	7.841	7.841	0.0	82	243180	50.6	
110 Hexachlorobutadiene	225	7.958	7.958	0.0	95	96326	51.7	
117 4-Chloro-3-methylphenol	107	8.487	8.487	0.0	98	172980	50.8	
121 2-Methylnaphthalene	142	8.674	8.674	0.0	85	364075	51.2	
125 Hexachlorocyclopentadiene	237	8.904	8.904	0.0	98	102632	53.9	
127 2,4,6-Trichlorophenol	196	9.048	9.048	0.0	91	106981	53.0	
129 2,4,5-Trichlorophenol	196	9.086	9.086	0.0	93	111441	50.8	
131 2-Chloronaphthalene	162	9.299	9.299	0.0	98	356758	52.7	
132 2-Nitroaniline	65	9.433	9.433	0.0	80	115869	52.3	
134 Dimethyl phthalate	163	9.684	9.684	0.0	98	401021	52.0	
135 2,6-Dinitrotoluene	165	9.748	9.748	0.0	90	87728	52.6	
137 Acenaphthylene	152	9.833	9.833	0.0	90	523322	52.4	
140 3-Nitroaniline	138	9.956	9.956	0.0	90	101757	51.6	
141 Acenaphthene	153	10.053	10.053	0.0	92	356703	51.9	
142 2,4-Dinitrophenol	184	10.090	10.090	0.0	53	36652	42.2	
143 4-Nitrophenol	109	10.175	10.175	0.0	93	63204	51.8	
144 2,4-Dinitrotoluene	165	10.256	10.256	0.0	91	122478	54.0	
145 Dibenzofuran	168	10.266	10.266	0.0	84	485498	52.3	
149 Diethyl phthalate	149	10.560	10.560	0.0	97	386397	52.6	
151 Fluorene	166	10.678	10.678	0.0	84	389827	53.5	
152 4-Chlorophenyl phenyl ether	204	10.678	10.678	0.0	70	198119	52.6	
153 4-Nitroaniline	138	10.699	10.699	0.0	82	105322	50.2	
154 4,6-Dinitro-2-methylphenol	198	10.736	10.736	0.0	80	65852	45.0	
157 N-Nitrosodiphenylamine	169	10.816	10.816	0.0	98	281335	50.9	
159 1,2-Diphenylhydrazine	77	10.859	10.859	0.0	98	434907	51.8	
164 4-Bromophenyl phenyl ether	248	11.228	11.228	0.0	91	105985	51.5	
168 Hexachlorobenzene	284	11.308	11.308	0.0	91	113433	51.3	
172 Pentachlorophenol	266	11.516	11.516	0.0	84	69160	53.4	
177 Phenanthrene	178	11.730	11.730	0.0	96	617898	51.4	
180 Anthracene	178	11.783	11.783	0.0	97	624521	51.4	
181 Carbazole	167	11.949	11.949	0.0	83	543749	50.9	
184 Di-n-butyl phthalate	149	12.302	12.302	0.0	100	641703	51.8	
191 Fluoranthene	202	12.905	12.905	0.0	97	668720	52.1	
192 Benzidine	184	13.017	13.017	0.0	98	310764	45.4	
193 Pyrene	202	13.114	13.114	0.0	95	680196	50.2	
201 3,3'-Dimethylbenzidine	212		13.102					
200 Butyl benzyl phthalate	149	13.675	13.675	0.0	97	303861	53.6	
204 3,3'-Dichlorobenzidine	252	14.150	14.150	0.0	97	210895	48.8	
206 Bis(2-ethylhexyl) phthalate	149	14.171	14.171	0.0	95	428090	53.6	
205 Benzo[a]anthracene	228	14.182	14.182	0.0	94	595484	49.9	
207 Chrysene	228	14.214	14.214	0.0	92	632580	50.1	
208 Di-n-octyl phthalate	149	14.722	14.722	0.0	100	664172	50.1	
209 Benzo[b]fluoranthene	252	15.165	15.165	0.0	92	494365	50.4	
211 Benzo[k]fluoranthene	252	15.192	15.192	0.0	95	686001	54.9	
213 Benzo[a]pyrene	252	15.496	15.496	0.0	99	450241	51.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
215 Indeno[1,2,3-cd]pyrene	276	16.768	16.768	0.0	89	541774	46.8	
216 Dibenz(a,h)anthracene	278	16.773	16.773	0.0	51	458576	47.8	
217 Benzo[g,h,i]perylene	276	17.120	17.120	0.0	91	458019	51.7	
S 218 3 & 4 Methylphenol	108				0		50.5	
S 219 3-Methylphenol	1				0		50.5	
S 220 Total Cresols	1				0		99.3	

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4835.D

Injection Date: 08-Sep-2011 11:34:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 2

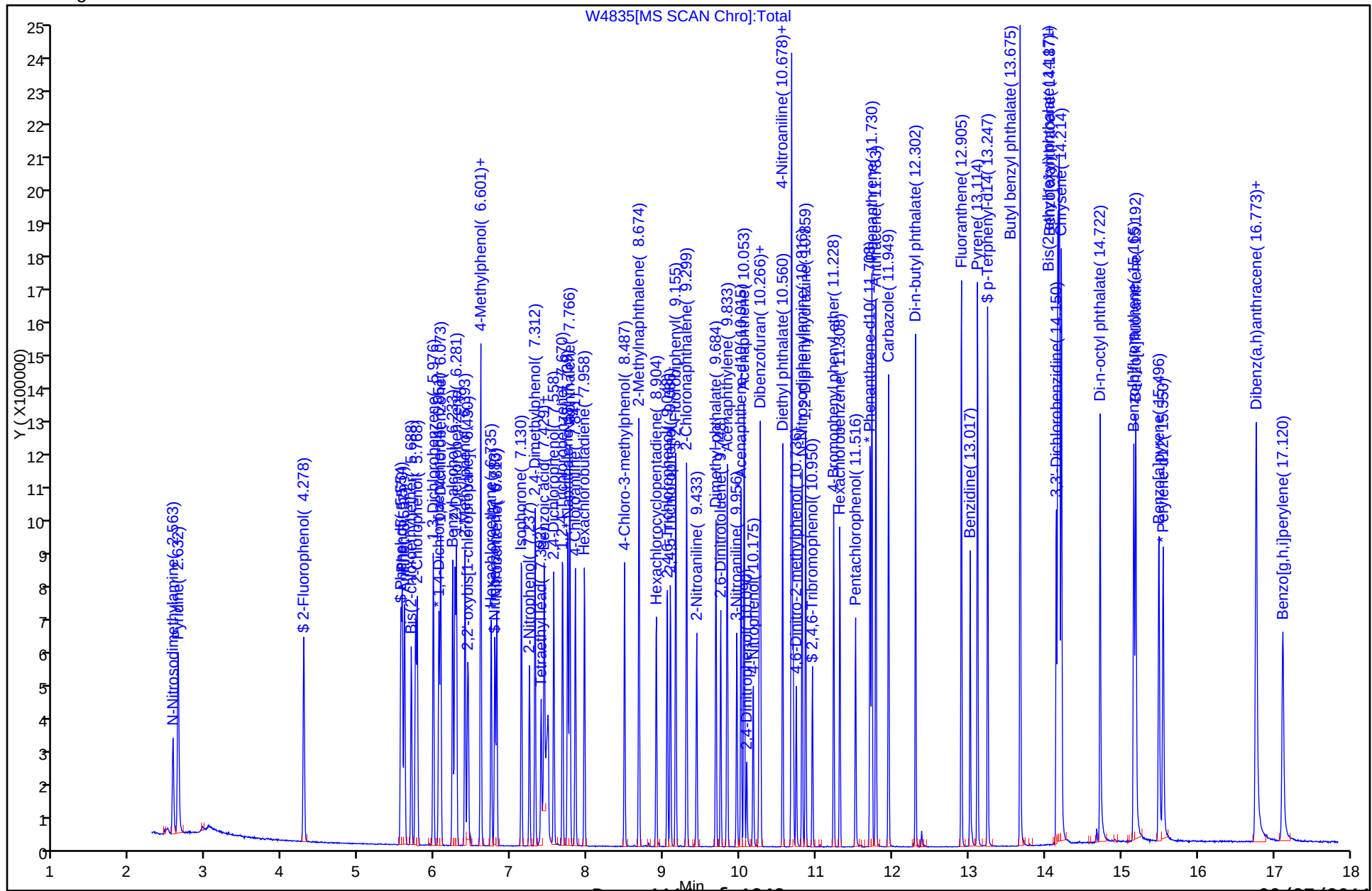
Operator ID: KLP

Injection Vol: 1.00 µl

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Lab Sample ID: CCV 480-30456/3 Calibration Date: 09/08/2011 11:57
Instrument ID: HP5973W Calib Start Date: 09/07/2011 15:03
GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/07/2011 17:01
Lab File ID: W4836.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.211	1.213	0.0100	50100	50000	0.1	40.0
Acetophenone	Ave	2.013	2.023	0.0100	50200	50000	0.5	40.0
Caprolactam	Lin1		0.1022	0.0100	47400	50000	-5.2	40.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5252	0.5477	0.0100	52100	50000	4.3	40.0
Biphenyl	Ave	1.552	1.613	0.0100	52000	50000	3.9	40.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2445	0.0100	47200	50000	-5.6	40.0
Atrazine	Ave	0.3259	0.3174	0.0100	48700	50000	-2.6	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4836.D
 Lims ID: CCV TCLADD Client ID:
 Inject. Date: 08-Sep-2011 11:57:30 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 480-0005823-003
 Misc. Info.: CCV TCLADD =CCV TCLADD
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 30456 Lims Sample ID: 3
 Sublist: chrom-W-8270*sub2
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W-8270.m
 Last Update: 09-Sep-2011 10:13:02 Calib Date: 07-Sep-2011 19:22:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4799.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: pfenderk

Date: 09-Sep-2011 10:13:01

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.046	6.046	0.0	98	107808	40.0	
* 2 Naphthalene-d8	136	7.734	7.734	0.0	100	444224	40.0	
* 3 Acenaphthene-d10	164	10.010	10.010	0.0	98	232604	40.0	
* 4 Phenanthrene-d10	188	11.704	11.704	0.0	99	409175	40.0	
* 5 Chrysene-d12	240	14.188	14.188	0.0	97	353664	40.0	
* 6 Perylene-d12	264	15.545	15.545	0.0	97	371371	40.0	
71 Benzaldehyde	77	5.442	5.442	0.0	89	163407	50.1	
86 Acetophenone	105	6.580	6.580	0.0	94	272651	50.2	
114 Caprolactam	113	8.242	8.242	0.0	69	56773	47.4	
124 1,2,4,5-Tetrachlorobenzene	216	8.899	8.899	0.0	95	159245	52.1	
130 1,1'-Biphenyl	154	9.278	9.278	0.0	94	469013	52.0	
147 2,3,4,6-Tetrachlorophenol	232	10.421	10.421	0.0	94	71098	47.2	
170 Atrazine	200	11.410	11.410	0.0	91	92296	48.7	

Report Date: 09-Sep-2011 10:13:02

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4836.D

Injection Date: 08-Sep-2011 11:57:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 3

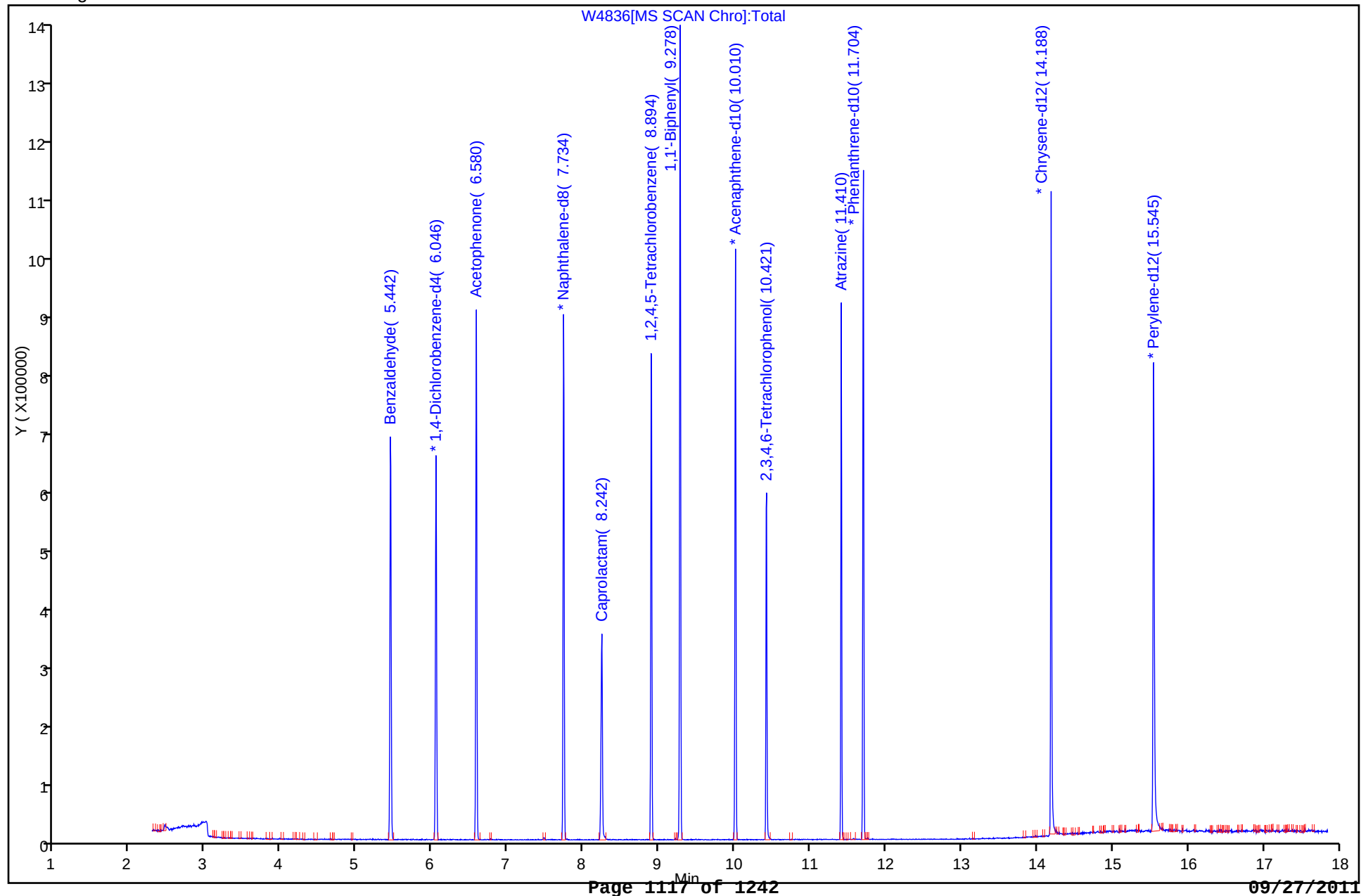
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110902-5734.b\V4594.D
Lims ID: DFTPP Client ID:
Inject. Date: 02-Sep-2011 07:48:30 Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: DFTPP
Misc. Info.: DFTPP
Operator: MKP Instrument ID: HP5973V
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 29958 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973V\20110902-5734.b\V-8270.m
Last Update: 06-Sep-2011 07:29:37 Calib Date: 02-Sep-2011 15:23:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973V\20110902-5734.b\V4613.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 06-Sep-2011 07:10:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 Pentachlorophenol_T	266	6.948	6.948	0.0	81	36125	0	
114 DFTPP								
134 4,4'-DDE	246		7.600					
130 Benzidine_T	184	8.364	8.364	0.0	93	138497	0	
137 4,4'-DDD	235		8.834					
141 4,4'-DDT	235	9.085	9.085	0.0	94	118227	0	

Data File: \\Bufchrom\ChromData\HP5973V\20110902-5734.b\V4594.D

Injection Date: 02-Sep-2011 07:48:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 29958

Lims Sample ID: 1

Operator ID: MKP

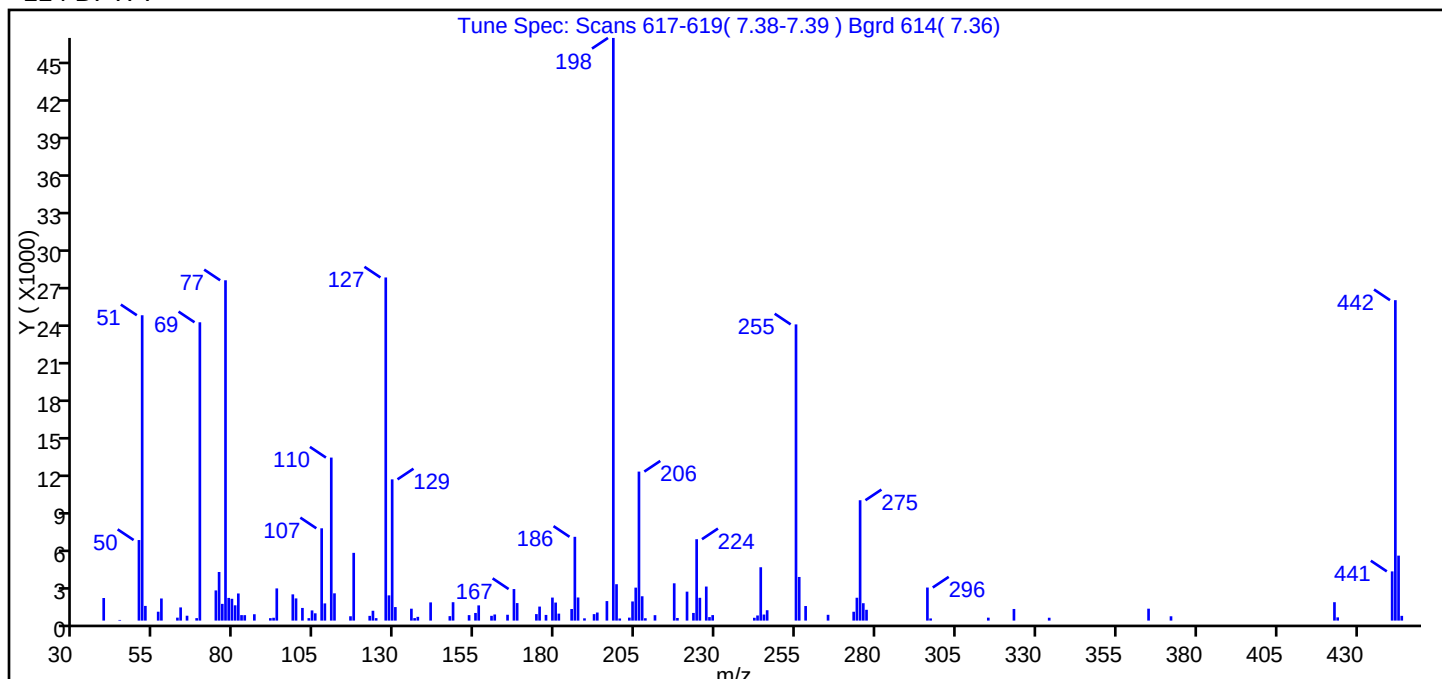
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Tune Method: DFTPP Method 8270

114 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	52.41
68	Less than 2.00% of mass 69	0.42 (0.83)
69	Present	51.20
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	58.89
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.24
275	10.00 - 30.00% of mass 198	20.66
365	Greater than 1.00% of mass 198	2.05
441	Present, but less than mass 443%	8.45 (75.74)
442	Greater than 40.00% of mass 198	54.99
443	17.00 - 23.00% of mass 442	11.15 (20.28)

Data File: \\Bufchrom\ChromData\HP5973V\201110902-5734.b\4594.D\V-8270.rslt\spectra.d

Injection Date: 02-Sep-2011 07:48:30

Spectrum: Tune Spec: Scans 617-619(7.38-7.39) Bgrd 614(7.36)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 118

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	1798	104.00	810	175.00	1116	229.00	438
44.00	52	105.00	580	177.00	452	242.00	224
50.00	6414	107.00	7349	179.00	1833	243.00	408
51.00	24312	108.00	1369	180.00	1436	244.00	4248
52.00	1169	110.00	12980	181.00	555	245.00	482
56.00	707	111.00	2171	185.00	923	246.00	826
57.00	1761	116.00	346	186.00	6671	255.00	23584
62.00	235	117.00	5394	187.00	1841	256.00	3474
63.00	1050	122.00	376	189.00	181	258.00	1160
65.00	388	123.00	784	192.00	516	265.00	461
68.00	196	124.00	197	193.00	643	273.00	705
69.00	23752	127.00	27320	196.00	1554	274.00	1820
74.00	2404	128.00	2009	198.00	46392	275.00	9583
75.00	3870	129.00	11246	199.00	2897	276.00	1384
76.00	1332	130.00	1077	200.00	168	277.00	860
77.00	27096	135.00	948	203.00	237	296.00	2633
78.00	1806	136.00	199	204.00	1525	297.00	172
79.00	1736	137.00	299	205.00	2625	315.00	234
80.00	1217	141.00	1450	206.00	11864	323.00	926
81.00	2160	147.00	355	207.00	1938	334.00	228
82.00	437	148.00	1464	208.00	189	365.00	949
83.00	433	153.00	436	211.00	432	372.00	344
86.00	507	155.00	608	217.00	2969	423.00	1465
91.00	195	156.00	1211	218.00	208	424.00	256
92.00	225	160.00	380	221.00	2305	441.00	3918
93.00	2563	161.00	487	223.00	610	442.00	25512
98.00	2089	165.00	465	224.00	6480	443.00	5173
99.00	1767	167.00	2512	225.00	1815	444.00	378
101.00	1008	168.00	1395	227.00	2711		
103.00	196	174.00	518	228.00	279		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4809.D
Lims ID: DFTPP Client ID:
Inject. Date: 08-Sep-2011 07:04:30 Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: DFTPP
Misc. Info.: DFTPP
Operator: MKP Instrument ID: HP5973V
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 30376 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V-8270.m
Last Update: 09-Sep-2011 07:44:54 Calib Date: 08-Sep-2011 10:41:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 08-Sep-2011 08:34:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 Pentachlorophenol_T	266	6.906	6.906	0.0	83	57782	0	
114 DFTPP								
134 4,4'-DDE	246		7.600					
130 Benzidine_T	184	8.316	8.316	0.0	98	438296	0	
137 4,4'-DDD	235		8.834					
141 4,4'-DDT	235	9.037	9.037	0.0	95	194334	0	

Data File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4809.D

Injection Date: 08-Sep-2011 07:04:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 30376

Lims Sample ID: 1

Operator ID: MKP

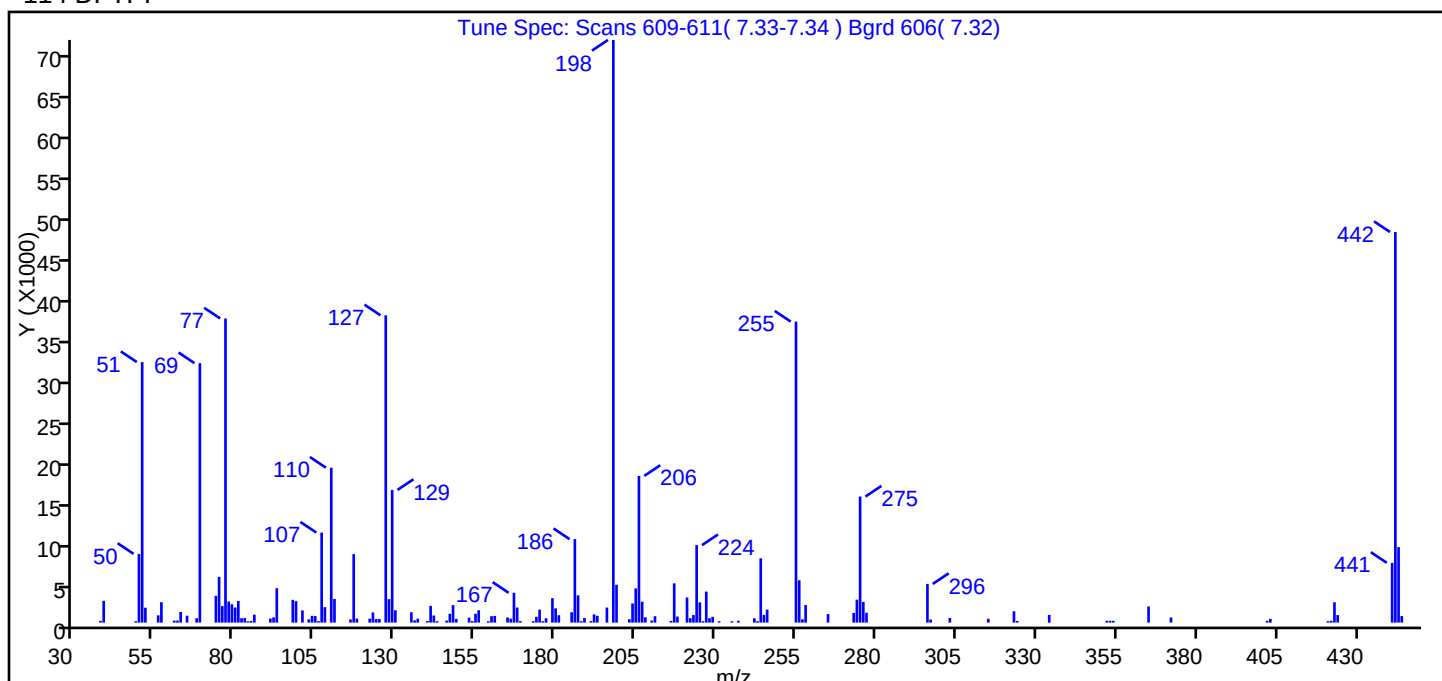
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Tune Method: DFTPP Method 8270

114 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	44.71
68	Less than 2.00% of mass 69	0.75 (1.68)
69	Present	44.52
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	52.74
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.49
275	10.00 - 30.00% of mass 198	21.63
365	Greater than 1.00% of mass 198	2.77
441	Present, but less than mass 443%	10.25 (79.18)
442	Greater than 40.00% of mass 198	67.03
443	17.00 - 23.00% of mass 442	12.95 (19.32)

Data File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\4809.D\48270.rslt\spectra.d
Injection Date: 08-Sep-2011 07:04:30
Spectrum: Tune Spec: Scans 609-611(7.33-7.34) Bgrd 606(7.32)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 154

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	220	110.00	19120	176.00	174	242.00	537
39.00	2684	111.00	2921	177.00	533	243.00	178
49.00	175	116.00	390	179.00	3013	244.00	7933
50.00	8480	117.00	8453	180.00	1760	245.00	948
51.00	32160	118.00	493	181.00	911	246.00	1607
52.00	1840	122.00	490	185.00	1279	255.00	37160
56.00	896	123.00	1253	186.00	10304	256.00	5226
57.00	2519	124.00	435	187.00	3369	257.00	411
61.00	246	125.00	438	188.00	173	258.00	2167
62.00	251	127.00	37936	189.00	570	265.00	1047
63.00	1321	128.00	2892	191.00	181	273.00	1193
65.00	854	129.00	16378	192.00	1015	274.00	2828
68.00	539	130.00	1524	193.00	844	275.00	15559
69.00	32024	135.00	1283	196.00	1855	276.00	2556
74.00	3308	136.00	274	198.00	71928	277.00	1213
75.00	5652	137.00	480	199.00	4666	296.00	4773
76.00	2037	140.00	194	203.00	423	297.00	379
77.00	37544	141.00	2063	204.00	2362	303.00	566
78.00	2602	142.00	873	205.00	4220	315.00	477
79.00	2263	143.00	176	206.00	18112	323.00	1397
80.00	1867	146.00	249	207.00	2574	324.00	201
81.00	2675	147.00	1095	208.00	660	334.00	952
82.00	542	148.00	2156	210.00	258	352.00	230
83.00	580	149.00	451	211.00	787	353.00	225
84.00	162	153.00	616	216.00	211	354.00	218
85.00	198	154.00	191	217.00	4848	365.00	1994
86.00	986	155.00	1095	218.00	744	372.00	633
91.00	503	156.00	1519	221.00	3099	402.00	224
92.00	646	159.00	173	222.00	547	403.00	465
93.00	4245	160.00	796	223.00	937	421.00	180
98.00	2805	161.00	822	224.00	9562	422.00	227
99.00	2642	165.00	634	225.00	2495	423.00	2509
101.00	1502	166.00	470	226.00	176	424.00	928

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Injection Date: 08-Sep-2011 07:04:30

Spectrum: Tune Spec: Scans 609-611(7.33-7.34) Bgrd 606(7.32)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 154

m/z	Y	m/z	Y	m/z	Y	m/z	Y
103.00	399	167.00	3679	227.00	3828	441.00	7376
104.00	837	168.00	1862	228.00	535	442.00	48216
105.00	802	169.00	188	229.00	714	443.00	9316
106.00	181	173.00	183	231.00	167	444.00	807
107.00	11114	174.00	719	235.00	171		
108.00	1910	175.00	1597	237.00	230		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4913.D
Lims ID: DFTPP Client ID:
Inject. Date: 12-Sep-2011 07:18:30 Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: DFTPP
Misc. Info.: DFTPP
Operator: MKP Instrument ID: HP5973V
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 30771 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V-8270.m
Last Update: 12-Sep-2011 09:53:15 Calib Date: 08-Sep-2011 10:41:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 12-Sep-2011 07:30:29

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 Pentachlorophenol_T	266	6.874	6.874	0.0	84	57750	0	
114 DFTPP								
134 4,4'-DDE	246		7.600					
130 Benzidine_T	184	8.284	8.284	0.0	98	492311	0	
137 4,4'-DDD	235		8.776					
141 4,4'-DDT	235	9.005	9.005	0.0	96	230238	0	

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4913.D

Injection Date: 12-Sep-2011 07:18:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 1

Operator ID: MKP

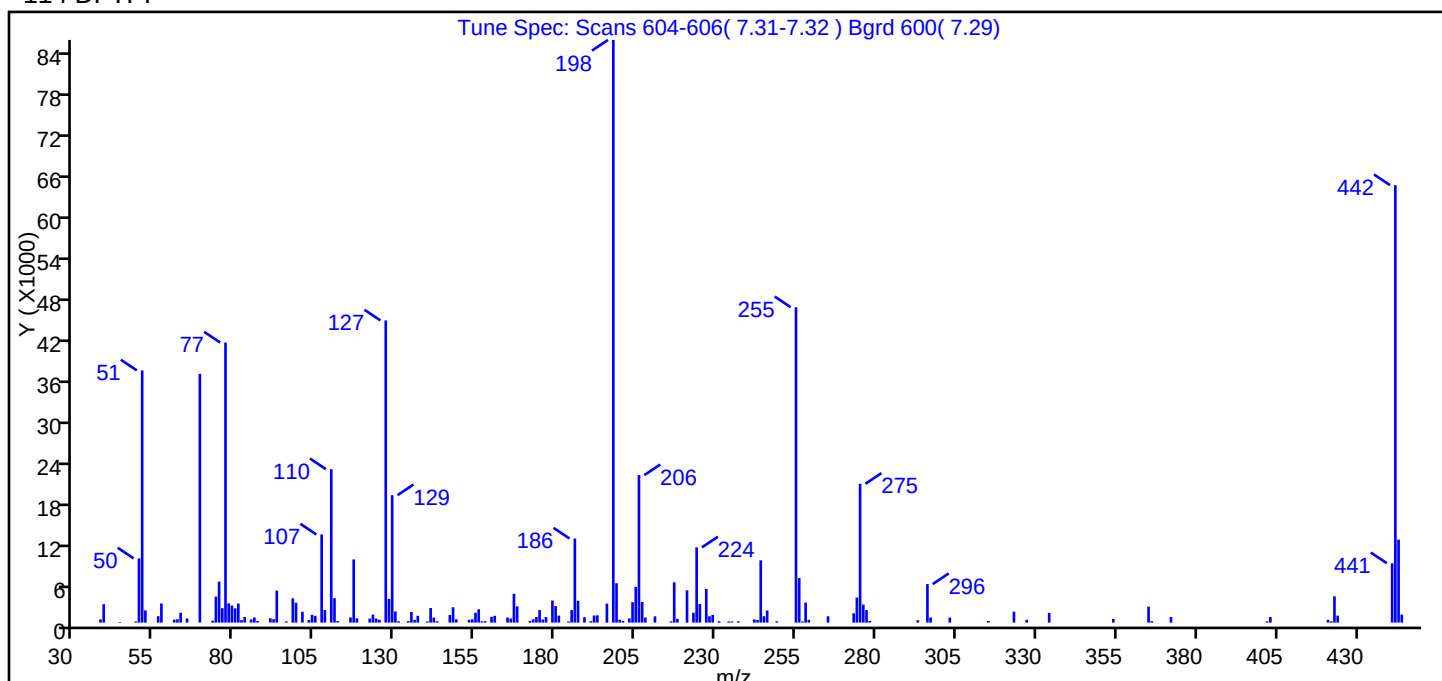
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Tune Method: DFTPP Method 8270

114 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	43.28
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	42.69
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	51.86
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.75
275	10.00 - 30.00% of mass 198	23.82
365	Greater than 1.00% of mass 198	2.74
441	Present, but less than mass 443%	10.19 (71.57)
442	Greater than 40.00% of mass 198	75.08
443	17.00 - 23.00% of mass 442	14.24 (18.96)

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\4913.D\4913.D\rs\rs\spectra.d
Injection Date: 12-Sep-2011 07:18:30
Spectrum: Tune Spec: Scans 604-606(7.31-7.32) Bgrd 600(7.29)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 161

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	474	111.00	3597	176.00	458	244.00	9164
39.00	2705	112.00	217	177.00	820	245.00	937
44.00	92	116.00	751	179.00	3250	246.00	1786
49.00	175	117.00	9292	180.00	2435	249.00	193
50.00	9451	118.00	627	181.00	1026	255.00	46424
51.00	37120	122.00	589	184.00	167	256.00	6555
52.00	1801	123.00	1180	185.00	1839	257.00	173
56.00	943	124.00	613	186.00	12374	258.00	2945
57.00	2815	125.00	417	187.00	3222	259.00	416
61.00	435	127.00	44480	189.00	800	265.00	931
62.00	491	128.00	3480	191.00	215	273.00	1367
63.00	1450	129.00	18752	192.00	1051	274.00	3683
65.00	603	130.00	1634	193.00	1070	275.00	20432
69.00	36616	131.00	195	196.00	2793	276.00	2655
73.00	279	134.00	219	198.00	85768	277.00	1844
74.00	3825	135.00	1570	199.00	5792	278.00	232
75.00	6043	136.00	412	200.00	427	293.00	352
76.00	2125	137.00	993	201.00	247	296.00	5670
77.00	41224	140.00	179	203.00	617	297.00	745
78.00	2835	141.00	2151	204.00	3010	303.00	728
79.00	2512	142.00	739	205.00	5264	315.00	246
80.00	2100	143.00	201	206.00	21704	323.00	1606
81.00	2807	147.00	1129	207.00	3043	327.00	414
82.00	363	148.00	2261	208.00	745	334.00	1433
83.00	830	149.00	479	211.00	921	354.00	543
85.00	463	153.00	416	216.00	176	365.00	2354
86.00	748	154.00	478	217.00	5933	366.00	224
87.00	242	155.00	1454	218.00	545	372.00	820
91.00	650	156.00	1957	221.00	4753	402.00	182
92.00	496	157.00	187	223.00	1445	403.00	820
93.00	4718	158.00	210	224.00	11076	421.00	419
96.00	182	160.00	850	225.00	2732	422.00	196
98.00	3572	161.00	997	227.00	4950	423.00	3868

Report Date: 12-Sep-2011 09:53:15

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\4913.D\V-8270.rslt\spectra.d

Injection Date: 12-Sep-2011 07:18:30

Spectrum: Tune Spec: Scans 604-606(7.31-7.32) Bgrd 600(7.29)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 161

m/z	Y	m/z	Y	m/z	Y	m/z	Y
99.00	2926	165.00	742	228.00	932	424.00	1022
101.00	1595	166.00	592	229.00	1123	441.00	8739
103.00	381	167.00	4248	231.00	208	442.00	64392
104.00	1132	168.00	2392	234.00	171	443.00	12211
105.00	983	172.00	247	235.00	168	444.00	1172
107.00	12974	173.00	478	237.00	195		
108.00	1854	174.00	825	242.00	465		
110.00	22584	175.00	1843	243.00	397		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110913-5905.b\V4957.D
Lims ID: DFTPP Client ID:
Inject. Date: 13-Sep-2011 07:20:30 Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: DFTPP
Misc. Info.: DFTPP
Operator: MKP Instrument ID: HP5973V
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 30945 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973V\20110913-5905.b\V-8270.m
Last Update: 13-Sep-2011 09:38:58 Calib Date: 08-Sep-2011 10:41:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 13-Sep-2011 07:42:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 Pentachlorophenol_T	266	6.852	6.852	0.0	80	46587	0	
114 DFTPP								
134 4,4'-DDE	246		7.600					
130 Benzidine_T	184	8.263	8.263	0.0	98	477059	0	
137 4,4'-DDD	235		8.776					
141 4,4'-DDT	235	8.984	8.984	0.0	94	211618	0	

Data File: \\Bufchrom\ChromData\HP5973V\20110913-5905.b\V4957.D

Injection Date: 13-Sep-2011 07:20:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 30945

Lims Sample ID: 1

Operator ID: MKP

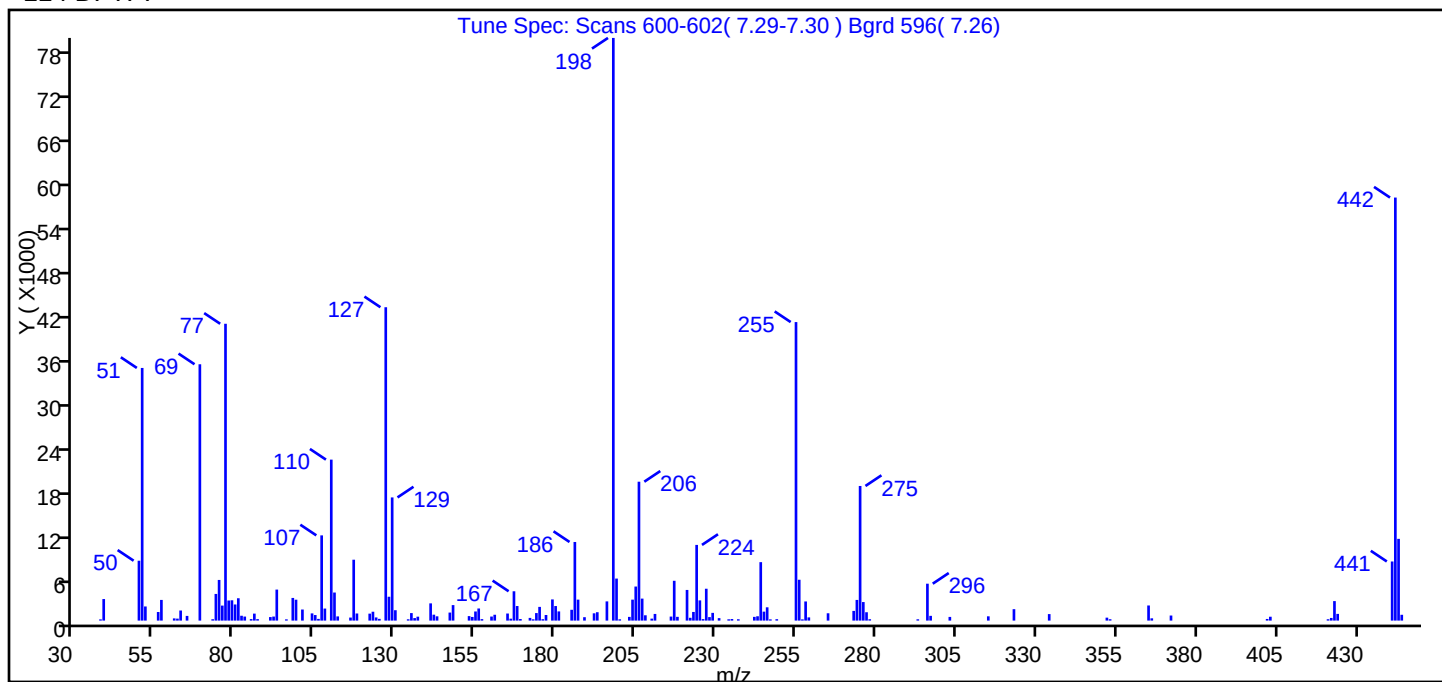
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Tune Method: DFTPP Method 8270

114 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	43.36
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	43.99
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	53.78
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.21
275	10.00 - 30.00% of mass 198	23.10
365	Greater than 1.00% of mass 198	2.59
441	Present, but less than mass 443%	10.15 (72.31)
442	Greater than 40.00% of mass 198	72.60
443	17.00 - 23.00% of mass 442	14.03 (19.32)

Data File: \\Bufchrom\ChromData\HP5973V\201110913-5905.b\4957.D\V-8270.rslt\spectra.d
Injection Date: 13-Sep-2011 07:20:30
Spectrum: Tune Spec: Scans 600-602(7.29-7.30) Bgrd 596(7.26)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 157

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	167	112.00	574	180.00	1993	246.00	1820
39.00	2950	116.00	415	181.00	1257	247.00	168
50.00	8198	117.00	8336	185.00	1481	249.00	194
51.00	34592	118.00	974	186.00	10764	255.00	40872
52.00	1935	122.00	953	187.00	2871	256.00	5592
56.00	1175	123.00	1214	189.00	466	257.00	167
57.00	2831	124.00	432	192.00	998	258.00	2621
61.00	303	125.00	239	193.00	1148	259.00	439
62.00	271	127.00	42904	196.00	2630	265.00	1003
63.00	1381	128.00	3265	198.00	79776	273.00	1328
65.00	641	129.00	16864	199.00	5753	274.00	2829
69.00	35096	130.00	1421	200.00	177	275.00	18432
73.00	187	134.00	179	203.00	508	276.00	2538
74.00	3650	135.00	1028	204.00	2868	277.00	1144
75.00	5566	136.00	344	205.00	4663	278.00	188
76.00	2055	137.00	537	206.00	19016	293.00	179
77.00	40640	141.00	2359	207.00	3011	296.00	5052
78.00	2751	142.00	809	208.00	727	297.00	650
79.00	2781	143.00	586	210.00	268	303.00	504
80.00	2208	147.00	1099	211.00	912	315.00	586
81.00	3059	148.00	2122	216.00	550	323.00	1564
82.00	663	153.00	615	217.00	5451	334.00	891
83.00	551	154.00	500	218.00	515	352.00	403
85.00	207	155.00	1249	221.00	4196	353.00	187
86.00	956	156.00	1658	222.00	383	365.00	2070
87.00	202	157.00	202	223.00	1183	366.00	312
91.00	483	160.00	555	224.00	10362	372.00	694
92.00	551	161.00	800	225.00	2768	402.00	222
93.00	4246	165.00	969	226.00	205	403.00	530
96.00	172	166.00	261	227.00	4362	421.00	186
98.00	3103	167.00	4015	228.00	480	422.00	363
99.00	2861	168.00	1995	229.00	1058	423.00	2669
101.00	1518	169.00	215	231.00	338	424.00	918

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Injection Date: 13-Sep-2011 07:20:30

Spectrum: Tune Spec: Scans 600-602(7.29-7.30) Bgrd 596(7.26)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 157

m/z	Y	m/z	Y	m/z	Y	m/z	Y
104.00	986	172.00	370	234.00	177	441.00	8094
105.00	760	173.00	178	235.00	214	442.00	57920
106.00	233	174.00	1031	237.00	184	443.00	11193
107.00	11668	175.00	1877	242.00	511	444.00	795
108.00	1649	176.00	191	243.00	593		
110.00	22040	177.00	766	244.00	8002		
111.00	3843	179.00	2899	245.00	1225		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5055.D
 Lims ID: DFTPP Client ID:
 Inject. Date: 15-Sep-2011 07:21:30 Dil. Factor: 1.0000
 Sample Type: DFTPP
 Sample ID: DFTPP
 Misc. Info.: DFTPP
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 31329 Lims Sample ID: 1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V-8270.m
 Last Update: 15-Sep-2011 09:12:34 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 15-Sep-2011 07:52:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 Pentachlorophenol_T	266	6.831	6.831	0.0	88	63419	0	
114 DFTPP								
134 4,4'-DDE	246		8.200					
130 Benzidine_T	184	8.236	8.236	0.0	98	479545	0	
137 4,4'-DDD	235		8.776					
141 4,4'-DDT	235	8.963	8.963	0.0	95	206032	0	

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5055.D

Injection Date: 15-Sep-2011 07:21:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 1

Operator ID: MKP

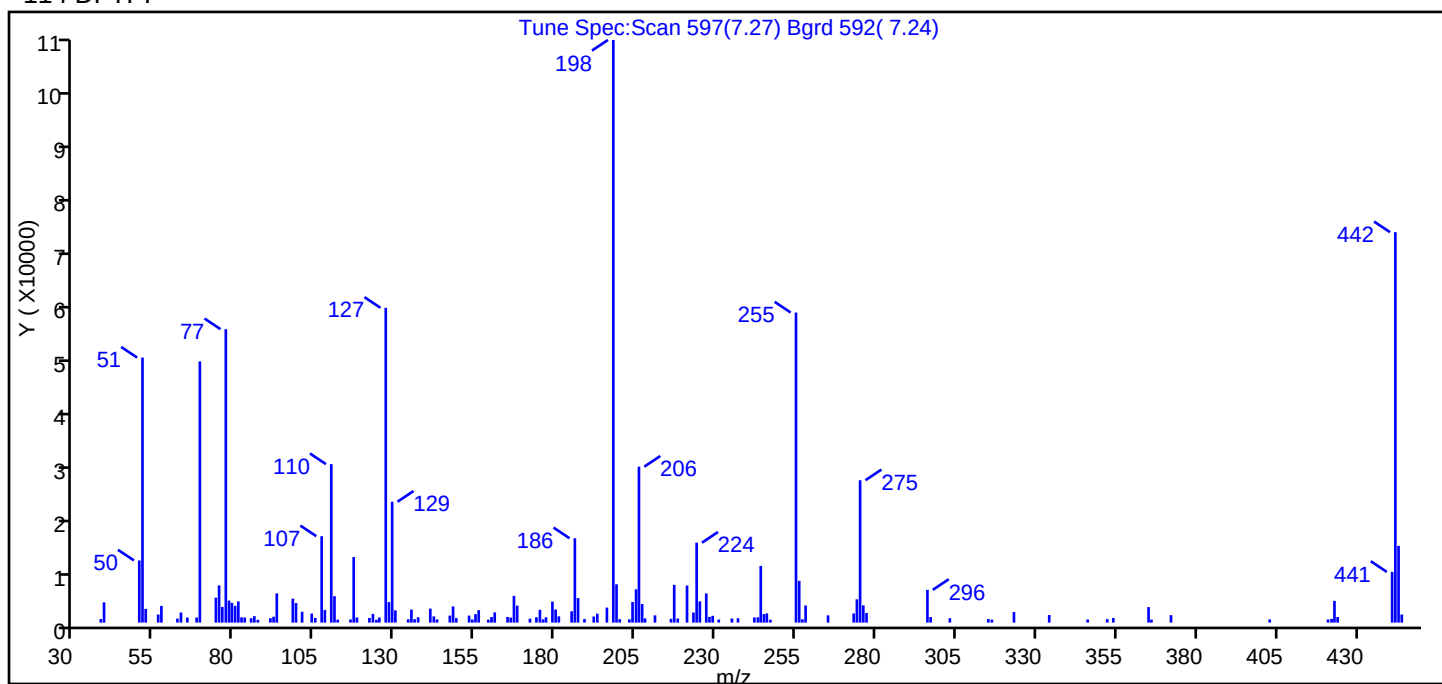
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Tune Method: DFTPP Method 8270

114 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	45.48
68	Less than 2.00% of mass 69	0.87 (1.94)
69	Present	44.82
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	54.03
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.57
275	10.00 - 30.00% of mass 198	24.43
365	Greater than 1.00% of mass 198	2.65
441	Present, but less than mass 443%	8.70 (66.05)
442	Greater than 40.00% of mass 198	67.01
443	17.00 - 23.00% of mass 442	13.17 (19.66)

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\5055.D\5-8270.rslt\spectra.d
Injection Date: 15-Sep-2011 07:21:30
Spectrum: Tune Spec:Scan 597(7.27) Bgrd 592(7.24)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 146

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.10	642	112.00	533	177.00	969	245.00	1557
39.10	3666	116.00	575	179.00	3801	245.90	1670
50.10	11261	117.00	11877	180.00	2376	247.00	522
51.10	48024	118.00	923	181.00	1133	255.00	56192
52.10	2478	121.90	841	185.00	2053	256.00	7565
56.00	1466	123.00	1582	186.00	15284	257.00	606
57.00	3033	124.10	516	187.00	4455	258.00	3101
62.00	726	125.00	919	189.00	656	265.00	1316
63.10	1830	127.00	57048	191.90	1110	273.00	1654
65.10	908	128.00	3714	193.00	1616	274.00	4224
68.00	920	129.00	21904	196.00	2718	275.00	25800
69.00	47328	130.00	2218	198.00	105592	276.00	3116
74.00	4520	134.00	608	199.00	6940	277.00	1745
75.00	6735	135.00	2361	200.00	623	296.00	5928
76.00	2838	136.00	626	203.00	589	297.00	1010
77.10	53176	137.10	966	204.00	3726	303.00	800
78.10	3994	140.90	2531	205.10	6036	315.00	640
79.00	3577	142.00	1122	206.00	28256	316.10	543
80.00	3026	143.00	580	207.00	3382	323.00	1917
81.00	3837	147.00	1265	207.90	753	334.00	1371
82.00	950	148.00	2929	211.00	1316	346.00	569
83.00	918	149.00	819	216.00	694	352.10	630
85.00	798	153.00	1271	217.00	6842	354.00	846
86.00	1168	154.00	566	218.10	746	365.00	2803
87.10	509	155.00	1531	221.00	6722	365.90	537
91.00	804	156.00	2247	223.00	1822	372.00	1349
92.00	1065	159.00	534	224.00	14485	402.80	577
93.00	5295	160.00	1015	225.00	3854	421.00	568
98.00	4334	161.00	1843	227.00	5286	422.10	668
99.00	3534	165.00	1026	228.00	1037	423.00	3942
100.90	1967	166.00	913	229.00	1234	424.00	1012
103.90	1637	167.00	4840	230.90	557	441.00	9187
105.00	847	168.00	3080	235.00	746	442.00	70752

Report Date: 15-Sep-2011 09:12:34

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\5055.D\5-8270.rslt\spectra.d

Injection Date: 15-Sep-2011 07:21:30

Spectrum: Tune Spec:Scan 597(7.27) Bgrd 592(7.24)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 146

m/z	Y	m/z	Y	m/z	Y	m/z	Y
107.00	15653	172.00	719	236.90	796	443.00	13909
108.00	2303	174.00	966	242.00	947	444.00	1471
110.00	28720	175.10	2325	243.10	962		
111.00	4788	176.10	588	244.00	10273		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5107.D
 Lims ID: DFTPP Client ID:
 Inject. Date: 16-Sep-2011 07:42:30 Dil. Factor: 1.0000
 Sample Type: DFTPP
 Sample ID: DFTPP
 Misc. Info.: DFTPP
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 31527 Lims Sample ID: 1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V-8270.m
 Last Update: 16-Sep-2011 09:28:27 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 16-Sep-2011 08:55:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 Pentachlorophenol_T	266	6.809	6.809	0.0	85	53178	0	
114 DFTPP								
134 4,4'-DDE	246		8.200					
130 Benzidine_T	184	8.214	8.214	0.0	98	470450	0	
137 4,4'-DDD	235		8.776					
141 4,4'-DDT	235	8.941	8.941	0.0	96	203997	0	

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5107.D

Injection Date: 16-Sep-2011 07:42:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 1

Operator ID: MKP

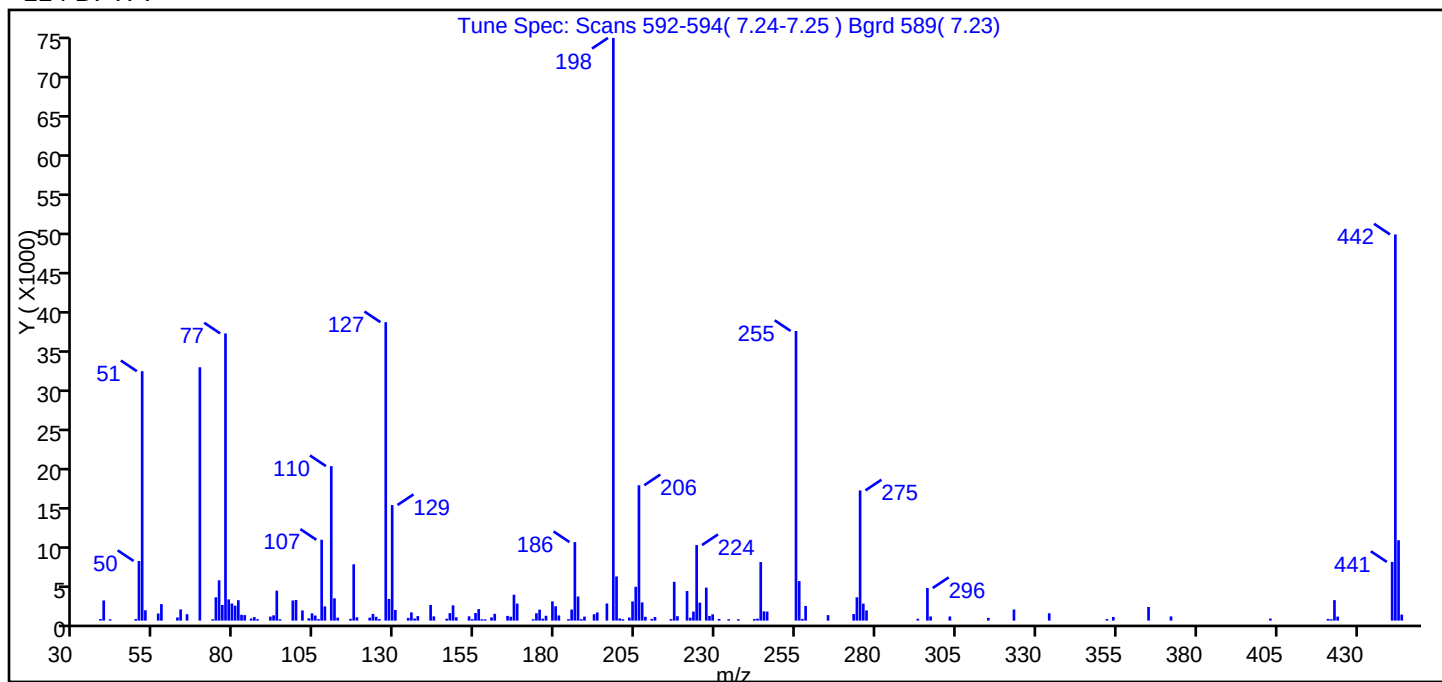
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Tune Method: DFTPP Method 8270

114 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	42.80
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	43.48
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	51.22
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.58
275	10.00 - 30.00% of mass 198	22.34
365	Greater than 1.00% of mass 198	2.34
441	Present, but less than mass 443%	10.07 (72.99)
442	Greater than 40.00% of mass 198	66.27
443	17.00 - 23.00% of mass 442	13.80 (20.82)

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\W5107.D\W-8270.rslt\spectra.d
Injection Date: 16-Sep-2011 07:42:30
Spectrum: Tune Spec: Scans 592-594(7.24-7.25) Bgrd 589(7.23)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 154

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	197	108.00	1821	175.00	1404	234.00	181
39.00	2582	110.00	19792	176.00	242	237.00	178
41.00	168	111.00	2852	177.00	620	242.00	202
49.00	205	112.00	379	179.00	2464	243.00	246
50.00	7633	116.00	223	180.00	1841	244.00	7501
51.00	31952	117.00	7212	181.00	660	245.00	1184
52.00	1325	118.00	424	184.00	192	246.00	1157
56.00	910	122.00	380	185.00	1420	255.00	37104
57.00	2111	123.00	857	186.00	10056	256.00	5062
62.00	404	124.00	487	187.00	3086	257.00	210
63.00	1431	125.00	193	188.00	184	258.00	1880
65.00	822	127.00	38232	189.00	511	265.00	704
69.00	32456	128.00	2771	192.00	817	273.00	845
73.00	171	129.00	14804	193.00	1045	274.00	2985
74.00	2989	130.00	1364	196.00	2195	275.00	16680
75.00	5161	134.00	353	198.00	74648	276.00	2175
76.00	2004	135.00	1051	199.00	5656	277.00	1305
77.00	36792	136.00	263	200.00	278	293.00	238
78.00	2712	137.00	580	201.00	180	296.00	4173
79.00	2185	141.00	2010	203.00	389	297.00	529
80.00	1912	142.00	540	204.00	2457	303.00	531
81.00	2613	146.00	240	205.00	4331	315.00	346
82.00	744	147.00	954	206.00	17344	323.00	1424
83.00	701	148.00	1955	207.00	2328	334.00	941
85.00	271	149.00	427	208.00	491	352.00	194
86.00	447	153.00	546	210.00	218	354.00	469
87.00	183	154.00	190	211.00	460	365.00	1746
91.00	510	155.00	971	216.00	198	372.00	537
92.00	671	156.00	1467	217.00	4964	403.00	261
93.00	3834	157.00	177	218.00	567	421.00	221
94.00	179	158.00	167	221.00	3786	422.00	171
98.00	2574	160.00	411	222.00	375	423.00	2621
99.00	2639	161.00	870	223.00	1156	424.00	509

Report Date: 16-Sep-2011 09:28:27

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5107.D\V-8270.rslt\spectra.d

Injection Date: 16-Sep-2011 07:42:30

Spectrum: Tune Spec: Scans 592-594(7.24-7.25) Bgrd 589(7.23)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 154

m/z	Y	m/z	Y	m/z	Y	m/z	Y
101.00	1306	165.00	601	224.00	9676	441.00	7518
103.00	299	166.00	491	225.00	2306	442.00	49472
104.00	926	167.00	3315	227.00	4229	443.00	10300
105.00	648	168.00	2183	228.00	592	444.00	771
106.00	189	173.00	180	229.00	805		
107.00	10355	174.00	942	231.00	217		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4781.D
 Lims ID: DFTPP Client ID:
 Inject. Date: 07-Sep-2011 11:22:30 Dil. Factor: 1.0000
 Sample Type: DFTPP
 Sample ID: DFTPP
 Misc. Info.: DFTPP =DFTPP
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 30276 Lims Sample ID: 1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W-8270.m
 Last Update: 08-Sep-2011 09:14:36 Calib Date: 07-Sep-2011 19:22:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4799.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

Date: 08-Sep-2011 09:14:36

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
90 Pentachlorophenol_T	266	7.029	7.029	0.0	84	65809	0	
98 DFTPP								
122 4,4'-DDE	246		8.423					
112 Benzidine_T	184	8.445	8.445	0.0	98	462225	0	
118 4,4'-DDD	235		9.171					
126 4,4'-DDT	235	9.171	9.171	0.0	93	179718	0	

Data File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4781.D

Injection Date: 07-Sep-2011 11:22:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973W

Lims Batch ID: 30276

Lims Sample ID: 1

Operator ID: KLP

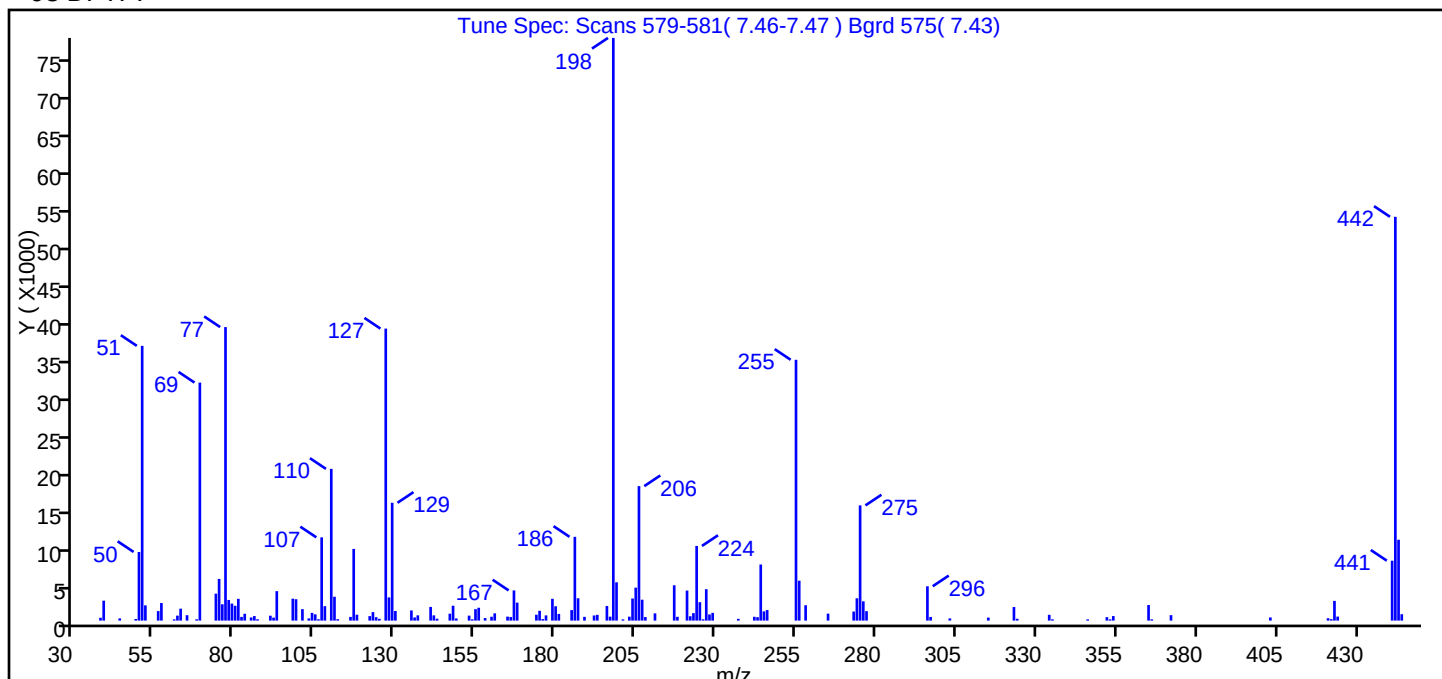
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Tune Method: DFTPP Method 8270

98 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	47.15
68	Less than 2.00% of mass 69	0.23 (0.55)
69	Present	40.85
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	50.11
197	Less than 1.00% of mass 198	0.67
199	5.00 - 9.00% of mass 198	6.57
275	10.00 - 30.00% of mass 198	19.77
365	Greater than 1.00% of mass 198	2.67
441	Present, but less than mass 443%	10.28 (74.09)
442	Greater than 40.00% of mass 198	69.30
443	17.00 - 23.00% of mass 442	13.88 (20.02)

Data File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4781.D\W-8270.rsl\spectra.d
Injection Date: 07-Sep-2011 11:22:30
Spectrum: Tune Spec: Scans 579-581(7.46-7.47) Bgrd 575(7.43)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 149

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	375	107.00	11039	176.00	199	245.00	1222
39.00	2639	108.00	1914	177.00	690	246.00	1401
44.00	294	110.00	20120	179.00	2891	255.00	34584
49.00	215	111.00	3163	180.00	1898	256.00	5293
50.00	9101	112.00	190	181.00	883	258.00	2038
51.00	36432	116.00	490	185.00	1392	265.00	925
52.00	2022	117.00	9501	186.00	11110	273.00	1199
56.00	1264	118.00	783	187.00	2962	274.00	2960
57.00	2328	122.00	596	189.00	499	275.00	15274
61.00	169	123.00	1124	192.00	681	276.00	2555
62.00	659	124.00	452	193.00	764	277.00	1254
63.00	1580	125.00	237	196.00	1937	296.00	4554
65.00	715	127.00	38720	197.00	520	297.00	485
68.00	175	128.00	3075	198.00	77264	303.00	291
69.00	31560	129.00	15623	199.00	5079	315.00	400
74.00	3572	130.00	1272	201.00	166	323.00	1799
75.00	5529	135.00	1347	203.00	518	324.00	247
76.00	2163	136.00	418	204.00	2930	334.00	766
77.00	38920	137.00	695	205.00	4370	335.00	170
78.00	2738	141.00	1814	206.00	17832	346.00	167
79.00	2255	142.00	693	207.00	2770	352.00	456
80.00	1965	143.00	252	208.00	466	353.00	167
81.00	2887	147.00	914	211.00	961	354.00	602
82.00	490	148.00	1969	217.00	4684	365.00	2066
83.00	906	149.00	285	218.00	501	366.00	171
85.00	418	153.00	657	221.00	3983	372.00	721
86.00	600	154.00	172	222.00	577	403.00	418
87.00	179	155.00	1518	223.00	991	421.00	318
91.00	648	156.00	1703	224.00	9900	422.00	188
92.00	393	158.00	337	225.00	2441	423.00	2614
93.00	3907	160.00	509	226.00	170	424.00	530
98.00	2903	161.00	962	227.00	4164	441.00	7944
99.00	2835	165.00	527	228.00	812	442.00	53544

Report Date: 08-Sep-2011 09:14:37

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4781.D\W-8270.rslt\spectra.d

Injection Date: 07-Sep-2011 11:22:30

Spectrum: Tune Spec: Scans 579-581(7.46-7.47) Bgrd 575(7.43)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 149

m/z	Y	m/z	Y	m/z	Y	m/z	Y
101.00	1521	166.00	478	229.00	1025	443.00	10722
103.00	293	167.00	4003	237.00	236	444.00	846
104.00	1023	168.00	2385	242.00	505		
105.00	833	174.00	778	243.00	451		
106.00	176	175.00	1300	244.00	7436		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4834.D
Lims ID: DFTPP Client ID:
Inject. Date: 08-Sep-2011 10:40:30 Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: DFTPP
Misc. Info.: DFTPP =DFTPP
Operator: KLP Instrument ID: HP5973W
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 30456 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W-8270.m
Last Update: 08-Sep-2011 11:28:46 Calib Date: 07-Sep-2011 19:22:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4799.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

Date: 08-Sep-2011 11:28:46

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
90 Pentachlorophenol_T	266	7.034	7.034	0.0	85	80376	0	
98 DFTPP								
122 4,4'-DDE	246		8.423					
112 Benzidine_T	184	8.455	8.455	0.0	99	639461	0	
126 4,4'-DDT	235	9.182	9.182	0.0	95	279087	0	
118 4,4'-DDD	235		9.171					

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4834.D

Injection Date: 08-Sep-2011 10:40:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 1

Operator ID: KLP

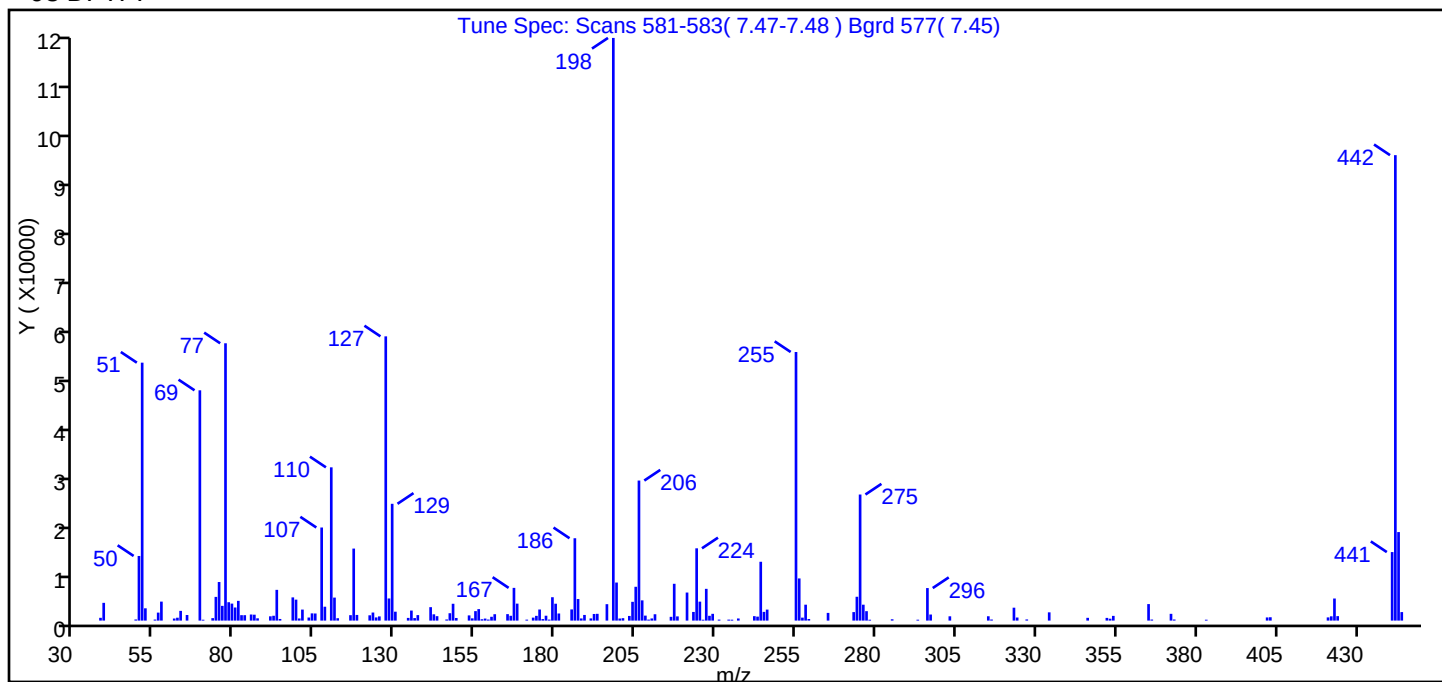
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Tune Method: DFTPP Method 8270

98 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	44.27
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	39.52
70	Less than 2.00% of mass 69	0.15 (0.38)
127	40.00 - 60.00% of mass 198	48.78
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.53
275	10.00 - 30.00% of mass 198	21.64
365	Greater than 1.00% of mass 198	2.83
441	Present, but less than mass 443%	11.76 (77.39)
442	Greater than 40.00% of mass 198	79.88
443	17.00 - 23.00% of mass 442	15.19 (19.02)

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4834.D\W-8270.rsl\spectra.d
Injection Date: 08-Sep-2011 10:40:30
Spectrum: Tune Spec: Scans 581-583(7.47-7.48) Bgrd 577(7.45)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 174

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	530	112.00	455	180.00	3218	255.00	51216
39.00	3386	116.00	1035	181.00	1355	256.00	8040
49.00	215	117.00	13733	185.00	2134	257.00	566
50.00	12323	118.00	1079	186.00	15704	258.00	3034
51.00	49184	122.00	1010	187.00	4114	259.00	304
52.00	2343	123.00	1538	188.00	411	265.00	1467
55.00	198	124.00	603	189.00	1076	273.00	1621
56.00	1523	125.00	802	191.00	415	274.00	4545
57.00	3620	127.00	54200	192.00	1263	275.00	24040
61.00	396	128.00	4221	193.00	1291	276.00	3032
62.00	550	129.00	22272	196.00	3131	277.00	1797
63.00	1854	130.00	1697	198.00	111104	278.00	167
65.00	1068	134.00	514	199.00	7256	285.00	251
69.00	43912	135.00	1915	200.00	397	293.00	172
70.00	166	136.00	481	201.00	463	296.00	6204
73.00	472	137.00	1047	203.00	887	297.00	1158
74.00	4520	141.00	2563	204.00	3581	303.00	820
75.00	7355	142.00	1197	205.00	6448	315.00	827
76.00	2809	143.00	845	206.00	26704	316.00	206
77.00	52880	146.00	214	207.00	3857	323.00	2462
78.00	3504	147.00	1405	208.00	948	324.00	586
79.00	3241	148.00	3210	209.00	194	327.00	221
80.00	2498	149.00	499	210.00	409	334.00	1574
81.00	3764	153.00	992	211.00	1211	346.00	527
82.00	1035	154.00	428	216.00	718	352.00	515
83.00	1032	155.00	1805	217.00	7019	353.00	363
85.00	1162	156.00	2190	218.00	802	354.00	899
86.00	1125	157.00	258	221.00	5349	365.00	3149
87.00	435	158.00	386	223.00	1650	366.00	200
91.00	818	159.00	199	224.00	13782	372.00	1290
92.00	921	160.00	728	225.00	3614	373.00	209
93.00	5862	161.00	1218	226.00	169	383.00	171
94.00	311	165.00	1233	227.00	6055	402.00	603

Report Date: 08-Sep-2011 11:28:47

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4834.D\W-8270.rslt\spectra.d

Injection Date: 08-Sep-2011 10:40:30

Spectrum: Tune Spec: Scans 581-583(7.47-7.48) Bgrd 577(7.45)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 174

m/z	Y	m/z	Y	m/z	Y	m/z	Y
98.00	4425	166.00	917	228.00	914	403.00	639
99.00	3996	167.00	6240	229.00	1292	421.00	609
100.00	408	168.00	3235	231.00	190	422.00	816
101.00	2101	171.00	184	234.00	186	423.00	4211
103.00	585	173.00	568	235.00	171	424.00	851
104.00	1377	174.00	905	237.00	404	441.00	13064
105.00	1355	175.00	2116	242.00	846	442.00	88752
107.00	17752	176.00	288	243.00	756	443.00	16880
108.00	2647	177.00	930	244.00	11218	444.00	1623
110.00	29224	178.00	193	245.00	1661		
111.00	4386	179.00	4457	246.00	2098		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-29814/1-A

Matrix: Solid Lab File ID: W4837.D

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3550B Date Extracted: 09/01/2011 13:26

Sample wt/vol: +30.05(g) Date Analyzed: 09/08/2011 12:21

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

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 30456 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		170	37
88-06-2	2,4,6-Trichlorophenol	ND		170	11
120-83-2	2,4-Dichlorophenol	ND		170	8.8
105-67-9	2,4-Dimethylphenol	ND		170	46
51-28-5	2,4-Dinitrophenol	ND		330	59
121-14-2	2,4-Dinitrotoluene	ND		170	26
606-20-2	2,6-Dinitrotoluene	ND		170	41
91-58-7	2-Chloronaphthalene	ND		170	11
95-57-8	2-Chlorophenol	ND		170	8.6
91-57-6	2-Methylnaphthalene	ND		170	2.0
95-48-7	2-Methylphenol	ND		170	5.2
88-74-4	2-Nitroaniline	ND		330	54
88-75-5	2-Nitrophenol	ND		170	7.7
91-94-1	3,3'-Dichlorobenzidine	ND		170	150
99-09-2	3-Nitroaniline	ND		330	39
534-52-1	4,6-Dinitro-2-methylphenol	ND		330	58
101-55-3	4-Bromophenyl phenyl ether	ND		170	54
59-50-7	4-Chloro-3-methylphenol	ND		170	6.9
106-47-8	4-Chloroaniline	ND		170	49
7005-72-3	4-Chlorophenyl phenyl ether	ND		170	3.6
106-44-5	4-Methylphenol	ND		330	9.4
100-01-6	4-Nitroaniline	ND		330	19
100-02-7	4-Nitrophenol	ND		330	41
83-32-9	Acenaphthene	ND		170	2.0
208-96-8	Acenaphthylene	ND		170	1.4
98-86-2	Acetophenone	ND		170	8.6
120-12-7	Anthracene	ND		170	4.3
1912-24-9	Atrazine	ND		170	7.5
100-52-7	Benzaldehyde	ND		170	18
56-55-3	Benzo(a)anthracene	ND		170	2.9
50-32-8	Benzo(a)pyrene	ND		170	4.1
205-99-2	Benzo(b)fluoranthene	ND		170	3.3
191-24-2	Benzo(g,h,i)perylene	ND		170	2.0
207-08-9	Benzo(k)fluoranthene	ND		170	1.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-29814/1-A

Matrix: Solid Lab File ID: W4837.D

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3550B Date Extracted: 09/01/2011 13:26

Sample wt/vol: +30.05(g) Date Analyzed: 09/08/2011 12:21

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

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 30456 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		170	10
108-60-1	bis (2-chloroisopropyl) ether	ND		170	18
111-91-1	Bis(2-chloroethoxy)methane	ND		170	9.2
111-44-4	Bis(2-chloroethyl)ether	ND		170	15
117-81-7	Bis(2-ethylhexyl) phthalate	ND		170	54
85-68-7	Butyl benzyl phthalate	ND		170	45
105-60-2	Caprolactam	ND		170	73
86-74-8	Carbazole	ND		170	1.9
218-01-9	Chrysene	ND		170	1.7
53-70-3	Dibenz(a,h)anthracene	ND		170	2.0
132-64-9	Dibenzofuran	ND		170	1.8
84-66-2	Diethyl phthalate	ND		170	5.1
131-11-3	Dimethyl phthalate	ND		170	4.4
84-74-2	Di-n-butyl phthalate	ND		170	58
117-84-0	Di-n-octyl phthalate	ND		170	3.9
206-44-0	Fluoranthene	ND		170	2.4
86-73-7	Fluorene	ND		170	3.9
118-74-1	Hexachlorobenzene	ND		170	8.4
87-68-3	Hexachlorobutadiene	ND		170	8.6
77-47-4	Hexachlorocyclopentadiene	ND		170	51
67-72-1	Hexachloroethane	ND		170	13
193-39-5	Indeno(1,2,3-cd)pyrene	ND		170	4.7
78-59-1	Isophorone	ND		170	8.4
91-20-3	Naphthalene	ND		170	2.8
98-95-3	Nitrobenzene	ND		170	7.5
621-64-7	N-Nitrosodi-n-propylamine	ND		170	13
86-30-6	N-Nitrosodiphenylamine	ND		170	9.2
87-86-5	Pentachlorophenol	ND		330	58
85-01-8	Phenanthrene	ND		170	3.5
108-95-2	Phenol	ND		170	18
129-00-0	Pyrene	ND		170	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 480-29814/1-A
Matrix: Solid Lab File ID: W4837.D
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3550B Date Extracted: 09/01/2011 13:26
Sample wt/vol: +30.05(g) Date Analyzed: 09/08/2011 12:21
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 30456 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	81		39-146
321-60-8	2-Fluorobiphenyl	73		37-120
367-12-4	2-Fluorophenol	56		18-120
4165-60-0	Nitrobenzene-d5	61		34-132
1718-51-0	p-Terphenyl-d14	104		58-147
4165-62-2	Phenol-d5	62		11-120

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 480-29814/1-A
Matrix: Solid Lab File ID: W4837.D
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3550B Date Extracted: 09/01/2011 13:26
Sample wt/vol: +30.05(g) Date Analyzed: 09/08/2011 12:21
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 30456 Units: ug/Kg
Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4837.D
 Lims ID: MB 480-29814/1-A Client ID:
 Inject. Date: 08-Sep-2011 12:21:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 480-0005823-004
 Misc. Info.: MB 480-29814/1-A =MB 480-29814/1-A
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 30456 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W-8270.m
 Last Update: 09-Sep-2011 10:13:02 Calib Date: 07-Sep-2011 19:22:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4799.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: pfenderk

Date: 09-Sep-2011 10:15:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.046	6.046	0.0	97	112077	40.0	
* 2 Naphthalene-d8	136	7.734	7.734	0.0	100	465923	40.0	
* 3 Acenaphthene-d10	164	10.010	10.010	0.0	95	244583	40.0	
* 4 Phenanthrene-d10	188	11.698	11.704	-0.006	99	423814	40.0	
* 5 Chrysene-d12	240	14.188	14.188	0.0	98	384681	40.0	
* 6 Perylene-d12	264	15.539	15.545	-0.006	97	387006	40.0	
\$ 7 2-Fluorophenol	112	4.272	4.278	-0.006	95	348682	83.7	
\$ 8 Phenol-d5	99	5.544	5.554	-0.010	87	477555	92.3	
\$ 9 Nitrobenzene-d5	82	6.778	6.783	-0.005	94	265350	61.0	
\$ 10 2-Fluorobiphenyl	172	9.155	9.160	-0.005	99	546196	73.3	
\$ 11 2,4,6-Tribromophenol	330	10.945	10.950	-0.005	91	121811	121.2	
\$ 12 p-Terphenyl-d14	244	13.242	13.247	-0.005	96	835643	103.6	
45 2,3-Dichlorobenzeneamine	161		0.000					
49 4-Chlorophenol	1		0.000					
28 Prometryn (TIC)	1		0.000					
29 Dicyclohexylamine	1		0.000					
51 Dibenzo[a,e]pyrene	1		0.000					
37 5-Methyl-o-Anisidine	1		0.000					
41 trans Azobenzene (TIC)	1		0.000					
30 Pendimethalin	1		0.000					
21 1-Methylnaphthalene (TIC)	1		0.000					
39 2-Aminopyridine	1		0.000					
25 1,3,5-Trichlorobenzene	180		0.000					
36 4,4'-Methylene bis(2-chloroaniline)	1		0.000					
34 2,3-Dichlorophenol	1		0.000					
38 Pendimethalin (TIC)	1		0.000					
22 2-Methylantracene	1		0.000					
48 Phenylacetic Acid	1		0.000					
15 p-Fluoroaniline	1		0.000					
35 5-Ethyl-5-phenyl barbituric acid	1		0.000					
46 2,4-Dichlorotoluene	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
24 2,6-Dichlorotoluene	1		0.000					
26 Lidocaine	1		0.000					
27 2,6-Dichloropyridine	1		0.000					
13 o-Anisidine	1		0.000					
32 2,4,5-Trichlorotoluene	1		0.000					
18 Benzo[e]pyrene	1		0.000					
33 Benefin (TIC)	1		0.000					
226 2,3,7,8-TCDD	1		0.000					
42 Quinoline	129		0.000					
31 1,2,3,4 -Tetrachlorobenzene	216		0.000					
54 1-Methylcyclopentanol	71		2.011					
55 1,4-Dioxane	88		2.322					
53 N-Nitrosodimethylamine	42		2.563					
52 Pyridine	52		2.632					
56 2-Chlorobenzotrifluoride	180		2.840					
57 4-Chlorobenzotrifluoride	180		2.962					
16 Dimethylformamide	73		3.017					
58 n,n'-Dimethylacetamide	87		3.043					
59 4-Chloropyridine	78		3.400					
60 3-Chloropyridine	78		3.518					
61 3-Chlorobenzotrifluoride	180		3.700					
62 2-Picoline	93		3.938					
63 N-Nitrosomethylethylamine	88		4.055					
64 2-Chloropyridine	78		4.164					
65 Methyl methanesulfonate	80		4.445					
66 2-Chlorotoluene	91		4.458					
67 3-Chlorotoluene	91		4.501					
68 4-Chlorotoluene	91		4.554					
70 N-Nitrosodiethylamine	102		4.958					
76 Ethyl methanesulfonate	79		5.321					
71 Benzaldehyde	77		5.442					
72 Phenol	94		5.570					
69 Aniline	93		5.597					
74 Bis(2-chloroethyl)ether	93		5.688					
75 2-Chlorophenol	128		5.768					
224 CBF-400	214		5.800					
80 N-Methylaniline	106		5.847					
81 Pentachloroethane	167		5.936					
78 1,3-Dichlorobenzene	146		5.976					
77 1,4-Dichlorobenzene	146		6.073					
84 n-Decane	57		6.112					
79 Benzyl alcohol	108		6.233					
73 1,2-Dichlorobenzene	146		6.281					
82 2-Methylphenol	108		6.393					
83 2,2'-oxybis[1-chloropropane]	45		6.430					
225 CBF-500	161		6.500					
92 Benzeneacetonitrile	117		6.563					
91 4-Methylbenzenamine	106		6.571					
86 Acetophenone	105		6.580					
88 4-Methylphenol	108		6.601					
87 N-Nitrosodi-n-propylamine	70		6.601					
93 N-Nitrosopyrrolidine	100		6.705					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 Hexachloroethane	117		6.735					
95 N-Nitrosomorpholine	56		6.753					
96 2-Toluidine	106		6.790					
85 Nitrobenzene	77		6.810					
90 Pentachlorophenol_T	266		7.034					
102 2-Chloroaniline	127		7.062					
104 N-Nitrosopiperidine	114		7.116					
94 Isophorone	82		7.130					
97 2-Nitrophenol	139		7.237					
99 2,4-Dimethylphenol	107		7.312					
101 Tetraethyl lead	237		7.392					
103 Bis(2-chloroethoxy)methane	93		7.429					
109 o,o',o''-Triethylphosphorothioate	198		7.474					
105 Benzoic acid	105		7.483					
106 2,4-Dichlorophenol	162		7.558					
44 NVF-400	82		7.590					
111 alpha,alpha-Dimethyl phenethylamine	58		7.592					
100 1,2,4-Trichlorobenzene	180		7.675					
107 Naphthalene	128		7.766					
113 Alpha-Terpineol	59		7.821					
108 4-Chloroaniline	127		7.841					
115 2,6-Dichlorophenol	162		7.880					
116 Hexachloropropene	213		7.923					
110 Hexachlorobutadiene	225		7.958					
114 Caprolactam	113		8.242					
119 N-Nitrosodi-n-butylamine	84		8.276					
120 p-Phenylene diamine	108		8.276					
122 4,4'-DDE	246		8.423					
112 Benzidine_T	184		8.455					
117 4-Chloro-3-methylphenol	107		8.487					
14 CN-500	112		8.500					
123 Safrole, Total	162		8.521					
121 2-Methylnaphthalene	142		8.674					
128 Phthalic anhydride	104		8.676					
124 1,2,4,5-Tetrachlorobenzene	216		8.899					
125 Hexachlorocyclopentadiene	237		8.904					
138 1,4-Dinitrobenzene	168		8.982					
139 1,3-Dinitrobenzene	168		8.982					
127 2,4,6-Trichlorophenol	196		9.048					
50 CAG-800	149		9.065					
129 2,4,5-Trichlorophenol	196		9.086					
133 Isosafrole	162		9.130					
118 4,4'-DDD	235		9.171					
126 4,4'-DDT	235		9.182					
130 1,1'-Biphenyl	154		9.278					
131 2-Chloronaphthalene	162		9.299					
136 1,4-Naphthoquinone	158		9.381					
132 2-Nitroaniline	65		9.433					
134 Dimethyl phthalate	163		9.684					
135 2,6-Dinitrotoluene	165		9.748					
137 Acenaphthylene	152		9.833					
140 3-Nitroaniline	138		9.956					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
146 Pentachlorobenzene	250		10.033					
141 Acenaphthene	153		10.053					
142 2,4-Dinitrophenol	184		10.090					
148 1-Naphthylamine	143		10.151					
143 4-Nitrophenol	109		10.175					
150 2-Naphthylamine	143		10.241					
144 2,4-Dinitrotoluene	165		10.256					
145 Dibenzofuran	168		10.266					
147 2,3,4,6-Tetrachlorophenol	232		10.421					
155 Thionazin	97		10.423					
156 N-Nitro-o-toluidine	152		10.460					
158 Azobenzene	77		10.476					
149 Diethyl phthalate	149		10.560					
160 Diphenylamine	169		10.578					
161 Tributyl phosphate	99		10.578					
151 Fluorene	166		10.678					
152 4-Chlorophenyl phenyl ether	204		10.678					
153 4-Nitroaniline	138		10.699					
154 4,6-Dinitro-2-methylphenol	198		10.736					
162 Sulfotep	322		10.765					
157 N-Nitrosodiphenylamine	169		10.816					
163 1,3,5-Trinitrobenzene	213		10.850					
159 1,2-Diphenylhydrazine	77		10.859					
165 Diallate	43		10.893					
166 Phorate	75		10.899					
167 Phenacetin	108		10.915					
169 Dimethoate	87		11.064					
171 Simazine	201		11.112					
164 4-Bromophenyl phenyl ether	248		11.228					
173 4-Aminobiphenyl	169		11.230					
174 Pentachloronitrobenzene	237		11.256					
175 Pronamide	173		11.305					
168 Hexachlorobenzene	284		11.308					
176 n-Octadecane	57		11.337					
170 Atrazine	200		11.410					
178 Dinoseb	211		11.427					
179 Disulfoton	88		11.427					
172 Pentachlorophenol	266		11.516					
177 Phenanthrene	178		11.730					
47 CU-600	58		11.775					
180 Anthracene	178		11.783					
182 Methyl parathion	109		11.785					
183 Alachlor	160		11.796					
181 Carbazole	167		11.949					
185 Anthraquinone	180		11.998					
186 Ethyl Parathion	97		12.149					
187 4-Nitroquinoline-1-oxide	190		12.170					
184 Di-n-butyl phthalate	149		12.302					
188 Methapyrilene	58		12.314					
189 1-Hydroxyanthraquinone	224		12.388					
190 Isodrin	193		12.426					
194 1,4-Dihydroxyanthraquinone	240		12.800					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
191 Fluoranthene	202		12.905					
195 Aramite, Total	185		12.939					
196 p-Dimethylamino azobenzene	120		13.014					
192 Benzidine	184		13.017					
197 Chlorobenzilate	139		13.057					
201 3,3'-Dimethylbenzidine	212		13.102					
193 Pyrene	202		13.114					
198 9-Octadecenamide	72		13.125					
199 Famphur	218		13.265					
202 Kepone	272		13.361					
203 2-Acetylaminofluorene	181		13.532					
200 Butyl benzyl phthalate	149		13.675					
204 3,3'-Dichlorobenzidine	252		14.150					
206 Bis(2-ethylhexyl) phthalate	149	14.161	14.161	-0.010	41	3420	0.4701	
205 Benzo[a]anthracene	228		14.182					
207 Chrysene	228		14.214					
208 Di-n-octyl phthalate	149		14.722					
210 7,12-Dimethylbenz(a)anthracene	256		14.734					
17 Tricresyl phosphate	91		14.781					1
212 Hexachlorophene	196		14.895					
209 Benzo[b]fluoranthene	252		15.165					
211 Benzo[k]fluoranthene	252		15.192					
214 3-Methylcholanthrene	252		15.381					
213 Benzo[a]pyrene	252		15.496					
215 Indeno[1,2,3-cd]pyrene	276		16.768					
216 Dibenz(a,h)anthracene	278		16.773					
217 Benzo[g,h,i]perylene	276		17.120					
S 218 3 & 4 Methylphenol	108		0.000					
S 219 3-Methylphenol	1		0.000					
S 220 Total Cresols	1		0.000					
S 19 Chlorobenzotrifluoride N.O.S	1		0.000					
S 23 Chlorotoluene N.O.S	1		0.000					
T 221 Benzeneacetic acid (TIC)	1		7.573					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 09-Sep-2011 10:15:59

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4837.D

Injection Date: 08-Sep-2011 12:21:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 4

Operator ID: KLP

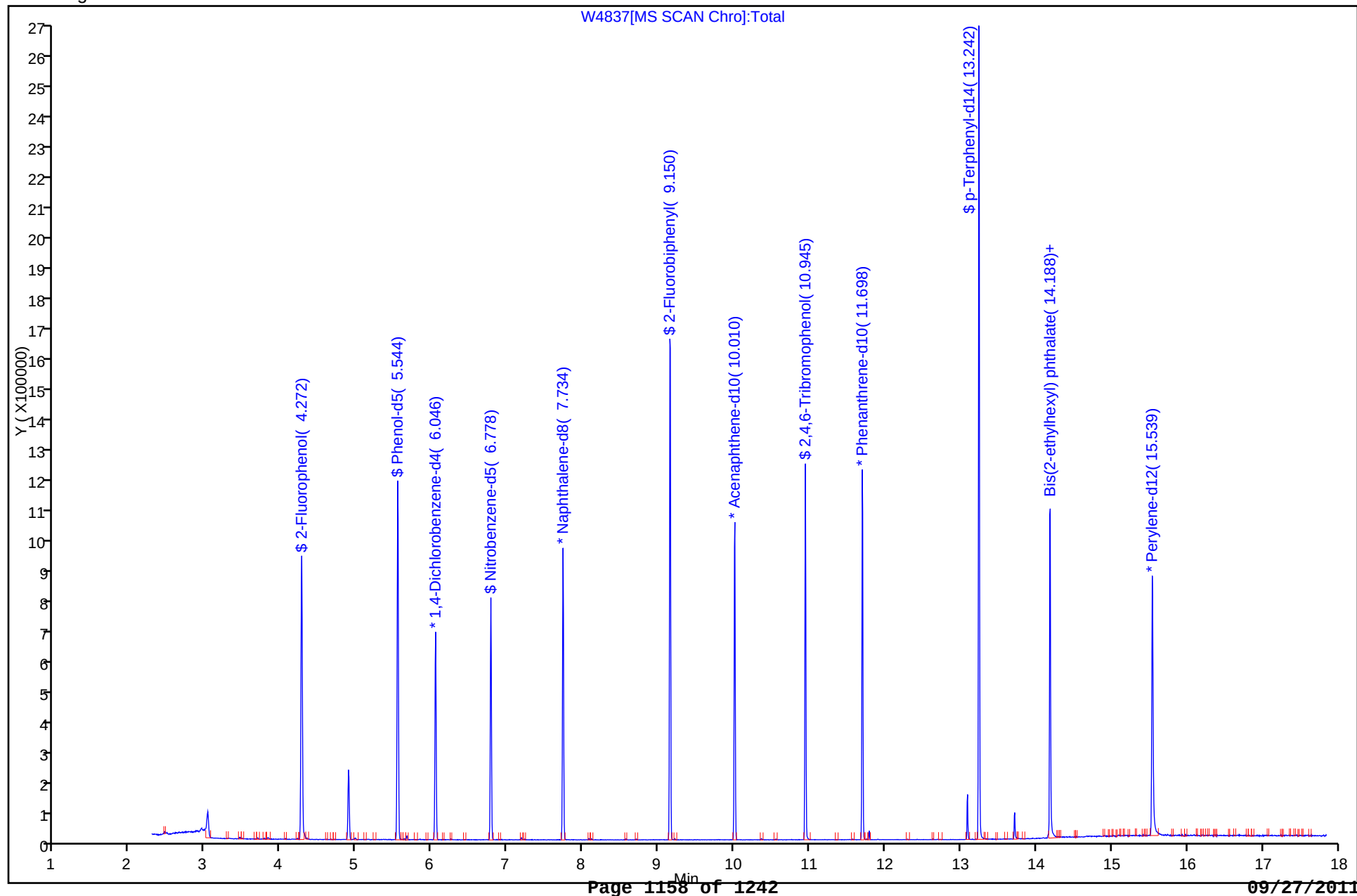
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

W4837[MS SCAN Chro]:Total



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-30582/1-A

Matrix: Solid Lab File ID: V4916.D

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3550B Date Extracted: 09/09/2011 09:45

Sample wt/vol: +30.86(g) Date Analyzed: 09/12/2011 08:21

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

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 30771 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		170	36
88-06-2	2,4,6-Trichlorophenol	ND		170	11
120-83-2	2,4-Dichlorophenol	ND		170	8.6
105-67-9	2,4-Dimethylphenol	ND		170	44
51-28-5	2,4-Dinitrophenol	ND		320	57
121-14-2	2,4-Dinitrotoluene	ND		170	25
606-20-2	2,6-Dinitrotoluene	ND		170	40
91-58-7	2-Chloronaphthalene	ND		170	11
95-57-8	2-Chlorophenol	ND		170	8.4
91-57-6	2-Methylnaphthalene	ND		170	2.0
95-48-7	2-Methylphenol	ND		170	5.0
88-74-4	2-Nitroaniline	ND		320	53
88-75-5	2-Nitrophenol	ND		170	7.5
91-94-1	3,3'-Dichlorobenzidine	ND		170	140
99-09-2	3-Nitroaniline	ND		320	38
534-52-1	4,6-Dinitro-2-methylphenol	ND		320	57
101-55-3	4-Bromophenyl phenyl ether	ND		170	52
59-50-7	4-Chloro-3-methylphenol	ND		170	6.8
106-47-8	4-Chloroaniline	ND		170	48
7005-72-3	4-Chlorophenyl phenyl ether	ND		170	3.5
106-44-5	4-Methylphenol	ND		320	9.1
100-01-6	4-Nitroaniline	ND		320	18
100-02-7	4-Nitrophenol	ND		320	40
83-32-9	Acenaphthene	ND		170	1.9
208-96-8	Acenaphthylene	ND		170	1.3
98-86-2	Acetophenone	ND		170	8.4
120-12-7	Anthracene	ND		170	4.2
1912-24-9	Atrazine	ND		170	7.3
100-52-7	Benzaldehyde	ND		170	18
56-55-3	Benzo(a)anthracene	ND		170	2.8
50-32-8	Benzo(a)pyrene	ND		170	4.0
205-99-2	Benzo(b)fluoranthene	ND		170	3.2
191-24-2	Benzo(g,h,i)perylene	ND		170	2.0
207-08-9	Benzo(k)fluoranthene	ND		170	1.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-30582/1-A
 Matrix: Solid Lab File ID: V4916.D
 Analysis Method: 8270C Date Collected: _____
 Extract. Method: 3550B Date Extracted: 09/09/2011 09:45
 Sample wt/vol: +30.86(g) Date Analyzed: 09/12/2011 08:21
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 30771 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		170	10
108-60-1	bis (2-chloroisopropyl) ether	ND		170	17
111-91-1	Bis(2-chloroethoxy)methane	ND		170	8.9
111-44-4	Bis(2-chloroethyl)ether	ND		170	14
117-81-7	Bis(2-ethylhexyl) phthalate	ND		170	53
85-68-7	Butyl benzyl phthalate	ND		170	44
105-60-2	Caprolactam	ND		170	71
86-74-8	Carbazole	ND		170	1.9
218-01-9	Chrysene	ND		170	1.6
53-70-3	Dibenz(a,h)anthracene	ND		170	1.9
132-64-9	Dibenzofuran	ND		170	1.7
84-66-2	Diethyl phthalate	ND		170	5.0
131-11-3	Dimethyl phthalate	ND		170	4.3
84-74-2	Di-n-butyl phthalate	ND		170	57
117-84-0	Di-n-octyl phthalate	ND		170	3.8
206-44-0	Fluoranthene	ND		170	2.4
86-73-7	Fluorene	ND		170	3.8
118-74-1	Hexachlorobenzene	ND		170	8.2
87-68-3	Hexachlorobutadiene	ND		170	8.4
77-47-4	Hexachlorocyclopentadiene	ND		170	50
67-72-1	Hexachloroethane	ND		170	13
193-39-5	Indeno(1,2,3-cd)pyrene	ND		170	4.5
78-59-1	Isophorone	ND		170	8.2
91-20-3	Naphthalene	ND		170	2.7
98-95-3	Nitrobenzene	ND		170	7.3
621-64-7	N-Nitrosodi-n-propylamine	ND		170	13
86-30-6	N-Nitrosodiphenylamine	ND		170	9.0
87-86-5	Pentachlorophenol	ND		320	56
85-01-8	Phenanthrene	ND		170	3.4
108-95-2	Phenol	ND		170	17
129-00-0	Pyrene	ND		170	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 480-30582/1-A
Matrix: Solid Lab File ID: V4916.D
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3550B Date Extracted: 09/09/2011 09:45
Sample wt/vol: +30.86(g) Date Analyzed: 09/12/2011 08:21
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 30771 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	92		39-146
321-60-8	2-Fluorobiphenyl	88		37-120
367-12-4	2-Fluorophenol	78		18-120
4165-60-0	Nitrobenzene-d5	79		34-132
1718-51-0	p-Terphenyl-d14	102		58-147
4165-62-2	Phenol-d5	85		11-120

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 480-30582/1-A
Matrix: Solid Lab File ID: V4916.D
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3550B Date Extracted: 09/09/2011 09:45
Sample wt/vol: +30.86(g) Date Analyzed: 09/12/2011 08:21
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 30771 Units: ug/Kg
Number TICs Found: 2 TIC Result Total: 824

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Voa Target	2.62	267	T J
	Voa Target	4.66	557	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\4916.D
 Lims ID: MB 480-30582/1-A Client ID:
 Inject. Date: 12-Sep-2011 08:21:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 480-0005869-004
 Misc. Info.: MB 480-30582/1-A
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 30771 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\8270.m
 Last Update: 13-Sep-2011 09:51:25 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 13-Sep-2011 09:51:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.856	5.856	0.0	96	99067	40.0	
* 2 Naphthalene-d8	136	7.571	7.571	0.0	99	394376	40.0	
* 3 Acenaphthene-d10	164	9.847	9.847	0.0	91	226444	40.0	
* 4 Phenanthrene-d10	188	11.545	11.545	0.0	97	385586	40.0	
* 5 Chrysene-d12	240	14.024	14.024	0.0	98	385285	40.0	
* 6 Perylene-d12	264	15.322	15.322	0.0	98	343297	40.0	
\$ 9 2-Fluorophenol	112	4.002	4.002	0.0	92	363773	117.2	
\$ 10 Phenol-d5	99	5.364	5.364	0.0	89	499703	127.2	
\$ 11 Nitrobenzene-d5	82	6.609	6.609	0.0	88	312625	79.2	
\$ 12 2-Fluorobiphenyl	172	8.992	8.992	0.0	99	640707	88.5	
\$ 13 2,4,6-Tribromophenol	330	10.792	10.792	0.0	88	111018	138.3	
\$ 14 p-Terphenyl-d14	244	13.089	13.089	0.0	97	851599	102.4	
60 Benzeneacetonitrile	1		0.000					
45 2-Aminopyridine	1		0.000					
23 n,n'-Dimethylacetamide	1		0.000					
36 2,3-Dichlorophenol	1		0.000					
35 1,2,3,4 -Tetrachlorobenzene	216		0.000					
41 2-Chlorotoluene	91		0.000					
72 4-Chlorobenzotrifluoride	1		0.000					
71 Chlorotoluene N.O.S	1		0.000					
223 2,3-Dichlorobenzeneamine	161		0.000					
43 2,4,5-Trichlorotoluene	1		0.000					
61 CAG-800	1		0.000					
44 2,4-Xylidine	1		0.000					
74 3-Chlorotoluene	1		0.000					
33 o-Anisidine	1		0.000					
27 Pendimethalin	1		0.000					
69 4,4'-Methylene bis(2-chloroaniline)	1		0.000					
79 2-Methylantracene	1		0.000					
19 NVF-400	1		0.000					
17 CN-500	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
22 N-Methylaniline	1		0.000					
46 2,4-Dichlorotoluene	1		0.000					
21 2-Chlorobenzotrifluoride	1		0.000					
53 1,3,5-Trichlorobenzene	180		0.000					
66 4-Chlorophenol	1		0.000					
52 2,6-Dichlorotoluene	1		0.000					
70 Phenylacetic Acid	1		0.000					
40 1-Methylcyclopentanol	1		0.000					
15 Lidocaine	1		0.000					
55 CBF-400/500	1		0.000					
58 Chlorobenzotrifluoride N.O.S	1		0.000					
76 3-Chlorobenzotrifluoride	1		0.000					
57 5-Methyl-o-Anisidine	1		0.000					
39 Benzo[e]pyrene	1		0.000					
18 CU-600	1		0.000					
67 4-Chlorotoluene	91		0.000					
47 1,3-phenylenediamine	1		0.000					
63 5-Ethyl-5-phenyl barbituric acid	1		0.000					
80 1,4-Dioxane	88		1.929					
81 N-Nitrosodimethylamine	42		2.164					
82 Pyridine	52		2.223					
31 Dimethylformamide	73		2.981					
83 2-Picoline	93		3.512					
84 N-Nitrosomethylethylamine	88		3.619					
85 Methyl methanesulfonate	80		4.014					
68 4-Chloropyridine	78		4.315					
75 3-Chloropyridine	78		4.416					
86 N-Nitrosodiethylamine	102		4.559					
87 Ethyl methanesulfonate	79		4.954					
48 2-Chloropyridine	78		4.961					
88 Benzaldehyde	77		5.231					
89 Phenol	94		5.386					
90 Aniline	93		5.391					
91 Bis(2-chloroethyl)ether	93		5.487					
93 2-Chlorophenol	128		5.567					
92 Pentachloroethane	167		5.633					
54 p-Fluoroaniline	111		5.762					
94 1,3-Dichlorobenzene	146		5.781					
95 1,4-Dichlorobenzene	146		5.877					
20 n-Decane	57		5.998					
96 Benzyl alcohol	108		6.054					
97 1,2-Dichlorobenzene	146		6.091					
98 2-Methylphenol	108		6.225					
99 2,2'-oxybis[1-chloropropane]	45		6.251					
104 Acetophenone	105		6.406					
101 N-Nitrosodi-n-propylamine	70		6.422					
102 4-Methylphenol	108		6.438					
100 N-Nitrosopyrrolidine	100		6.493					
103 N-Nitrosomorpholine	56		6.541					
106 Hexachloroethane	117		6.550					
73 4-Methylbenzenamine	106		6.553					
105 2-Toluidine	106		6.563					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
107 Nitrobenzene	77		6.636					
49 2,6-Dichloropyridine	112		6.783					
108 Pentachlorophenol_T	266		6.874					
109 N-Nitrosopiperidine	114		6.947					
110 Isophorone	82		6.962					
111 2-Nitrophenol	139		7.069					
51 2-Chloroaniline	127		7.108					
112 2,4-Dimethylphenol	107		7.154					
113 Tetraethyl lead	237		7.224					
115 Bis(2-chloroethoxy)methane	93		7.266					
116 o,o',o''-Triethylphosphorothioate	198		7.348					
119 Benzoic acid	105		7.357					
117 2,4-Dichlorophenol	162		7.400					
118 alpha,alpha-Dimethyl phenethylamine	58		7.470					
120 1,2,4-Trichlorobenzene	180		7.507					
121 Naphthalene	128		7.597					
134 4,4'-DDE	246		7.600					
123 4-Chloroaniline	127		7.678					
122 Alpha-Terpineol	59		7.732					
126 Hexachlorobutadiene	225		7.795					
124 2,6-Dichlorophenol	162		7.796					
125 Hexachloropropene	213		7.834					
127 Caprolactam	113		8.089					
32 Quinoline	129		8.190					
129 N-Nitrosodi-n-butylamine	84		8.234					
128 p-Phenylene diamine	108		8.234					
130 Benzidine_T	184		8.284					
131 4-Chloro-3-methylphenol	107		8.340					
132 Safrole, Total	162		8.501					
133 2-Methylnaphthalene	142		8.511					
135 Phthalic anhydride	104		8.678					
136 Hexachlorocyclopentadiene	237		8.735					
138 1,2,4,5-Tetrachlorobenzene	216		8.735					
137 4,4'-DDD	235		8.776					
139 2,4,6-Trichlorophenol	196		8.885					
140 2,4,5-Trichlorophenol	196		8.933					
141 4,4'-DDT	235		9.005					
144 1,1'-Biphenyl	154		9.115					
30 Dicyclohexylamine	138		9.118					
143 2-Chloronaphthalene	162		9.136					
142 Isosafrole	162		9.169					
145 2-Nitroaniline	65		9.270					
42 1,4-Naphthoquinone	158		9.447					
147 Dimethyl phthalate	163		9.521					
146 1,4-Dinitrobenzene	168		9.527					
148 2,6-Dinitrotoluene	165		9.585					
50 1,3-Dinitrobenzene	168		9.634					
149 Acenaphthylene	152		9.660					
150 3-Nitroaniline	138		9.798					
151 Acenaphthene	153		9.889					
152 2,4-Dinitrophenol	184		9.927					
153 4-Nitrophenol	109		10.034					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
154 2,4-Dinitrotoluene	165		10.092					
155 Dibenzofuran	168		10.103					
156 Pentachlorobenzene	250		10.152					
158 2,3,4,6-Tetrachlorophenol	232		10.263					
157 1-Naphthylamine	143		10.280					
159 2-Naphthylamine	143		10.377					
160 Diethyl phthalate	149		10.397					
161 Fluorene	166		10.514					
162 4-Chlorophenyl phenyl ether	204		10.520					
164 4-Nitroaniline	138		10.541					
163 Thionazin	97		10.574					
166 4,6-Dinitro-2-methylphenol	198		10.584					
165 N-Nitro-o-toluidine	152		10.617					
167 N-Nitrosodiphenylamine	169		10.659					
168 1,2-Diphenylhydrazine	77		10.701					
29 Tributyl phosphate	99		10.740					
169 Diphenylamine	169		10.740					
170 Azobenzene	77		10.781					
171 Sulfotepp	322		10.943					
172 1,3,5-Trinitrobenzene	213		11.034					
176 4-Bromophenyl phenyl ether	248		11.075					
173 Diallate	43		11.076					
174 Phorate	75		11.082					
175 Phenacetin	108		11.103					
177 Hexachlorobenzene	284		11.155					
180 Atrazine	200		11.262					
178 Dimethoate	87		11.263					
16 n-Octadecane	57		11.265					
179 Simazine	201		11.306					
181 Pentachlorophenol	266		11.364					
182 4-Aminobiphenyl	169		11.434					
183 Pentachloronitrobenzene	237		11.461					
184 Pronamide	173		11.515					
185 Phenanthrene	178		11.572					
188 Anthracene	178		11.626					
187 Disulfoton	88		11.637					
186 Dinoseb	211		11.643					
189 Carbazole	167		11.796					
190 Methyl parathion	109		12.017					
191 Alachlor	160		12.027					
192 Di-n-butyl phthalate	149		12.149					
193 Ethyl Parathion	97		12.396					
194 4-Nitroquinoline-1-oxide	190		12.423					
62 Anthraquinone	180		12.451					
195 Methapyrilene	58		12.535					
203 3,3'-Dimethylbenzidine	212		12.569					
196 Isodrin	193		12.690					
197 Fluoranthene	202		12.747					
37 1-Hydroxyanthraquinone	224		12.857					
198 Benzidine	184		12.860					
199 Pyrene	202		12.956					
200 Aramite, Total	185		13.213					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
34 1,4-Dihydroxyanthraquinone	240		13.284					
201 p-Dimethylamino azobenzene	120		13.293					
202 Chlorobenzilate	139		13.336					
205 Butyl benzyl phthalate	149		13.517					
204 Famphur	218		13.555					
64 9-Octadecenamide	72		13.599					
206 Kepone	272		13.651					
207 2-Acetylaminofluorene	181		13.822					
208 3,3'-Dichlorobenzidine	252		13.987					
210 Bis(2-ethylhexyl) phthalate	149	14.008	14.008	0.0	18	3709	0.4553	
209 Benzo[a]anthracene	228		14.019					
211 Chrysene	228		14.051					
59 Tricresyl phosphate	91		14.437					1
212 Di-n-octyl phthalate	149		14.542					
213 Benzo[b]fluoranthene	252		14.959					
214 Benzo[k]fluoranthene	252		14.986					
215 7,12-Dimethylbenz(a)anthracene	256		15.062					
216 Hexachlorophene	196		15.227					
217 Benzo[a]pyrene	252		15.274					
218 3-Methylcholanthrene	252		15.756					
219 Indeno[1,2,3-cd]pyrene	276		16.476					
220 Dibenz(a,h)anthracene	278		16.482					
221 Benzo[g,h,i]perylene	276		16.808					
56 Benzeneacetic acid (TIC)	302		18.050					
24 Dibenzo[a,e]pyrene	302		18.630					
S 222 Total Cresols	1		0.000					
S 78 3-Methylphenol	1		6.497					
S 77 3 & 4 Methylphenol	108		6.497					
T 65 Benefin (TIC)	1		0.000					1
T 25 Prometryn (TIC)	1		0.000					1
T 28 Pendimethalin (TIC)	252		0.000					1
T 26 trans Azobenzene (TIC)	77		0.000					1
T 38 1-Methylnaphthalene (TIC)	142		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4916.D
Lims ID: MB 480-30582/1-A Client ID:
Inject. Date: 12-Sep-2011 08:21:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 480-0005869-004
Misc. Info.: MB 480-30582/1-A
Operator: MKP Instrument ID: HP5973V
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 30771 Lims Sample ID: 4
Detector: MS SCAN
Method: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V-8270.m
Last Update: 13-Sep-2011 09:51:25 Calib Date: 08-Sep-2011 10:41:30
Tic RT Window: 1.500 -0.000 Response: area
Quant By: Nearest ISTD Quant LOD: 10.00000
MS Library: \\Bufchrom\ChromData\Database\NIST98.L
Min. Match: 85
Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 13-Sep-2011 09:51:25

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags

Voa Target

2.624	131132	8.24	1	0	0

Voa Target

4.659	274578	17.2	1	0	0

Quantitation Compounds

Compound	RT	Response	Amount ng/uL

* 1,1,4-Dichlorobenzene-d4	5.856	636824	40.0

QC Flag Legend

Processing Flags

Report Date: 13-Sep-2011 09:51:25

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File:

\\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4916.D

Injection Date: 12-Sep-2011 08:21:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 4

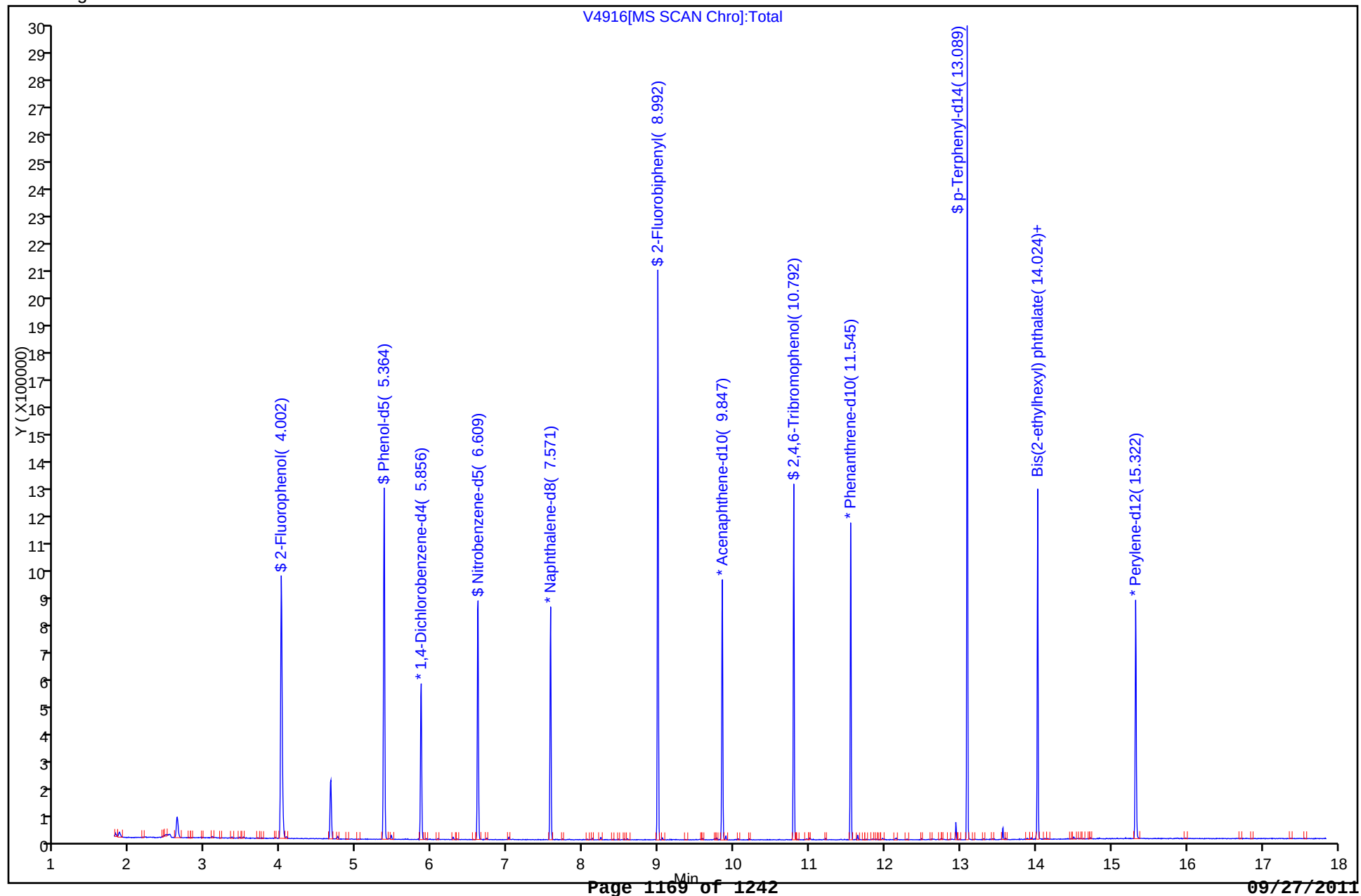
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

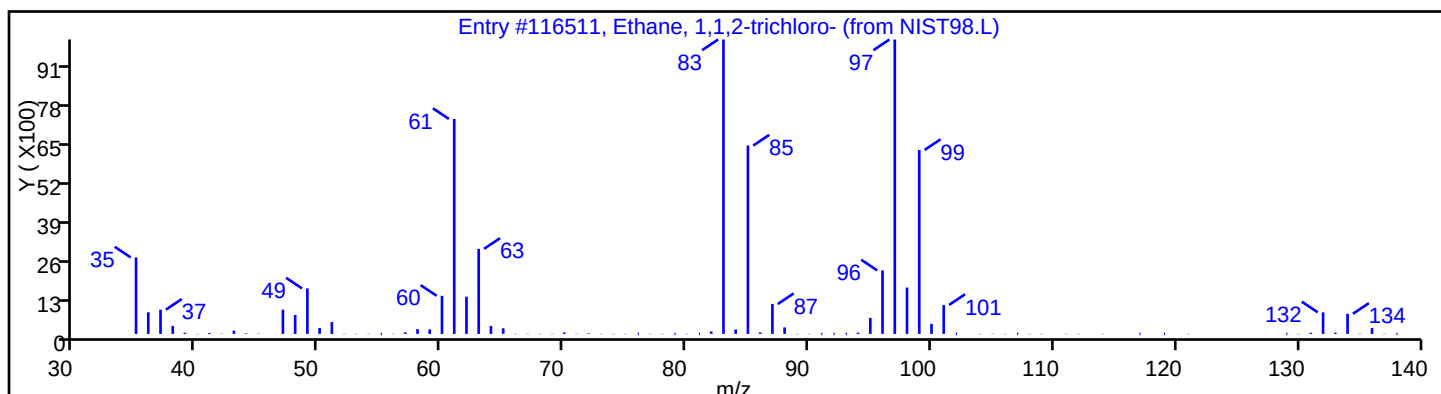
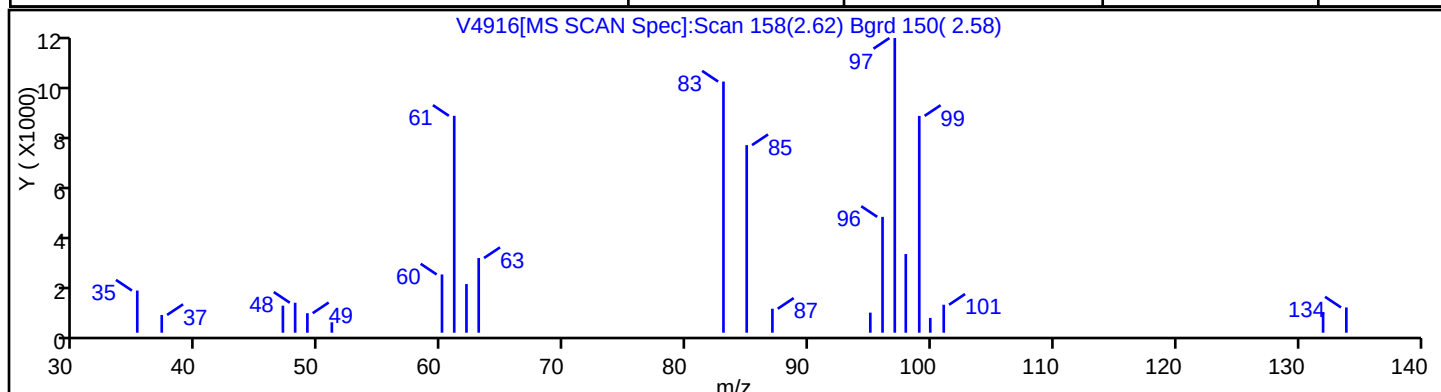
Y Scaling:



Report Date: 13-Sep-2011 09:51:25
Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4916.D
Injection Date: 12-Sep-2011 08:21:30
Client ID:
Lims Batch ID: 30771
Operator ID: MKP
Column Type: RXI-5Sil MS

Chrom Revision: 2.0 01-Sep-2011 14:10:00
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973V
Lims Sample ID: 4
Injection Vol: 1.00 ul
Column Dia: 0.25 mm

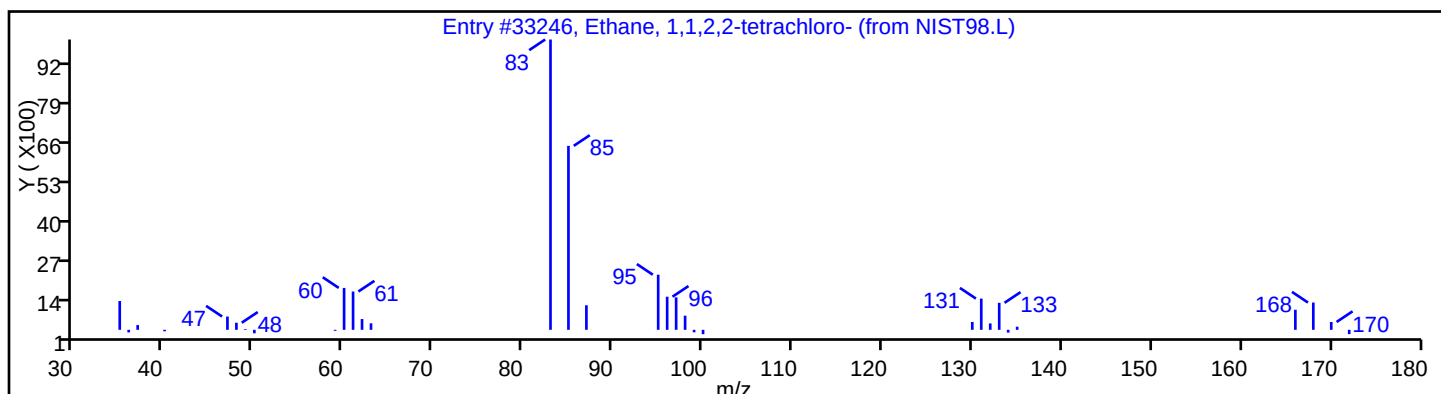
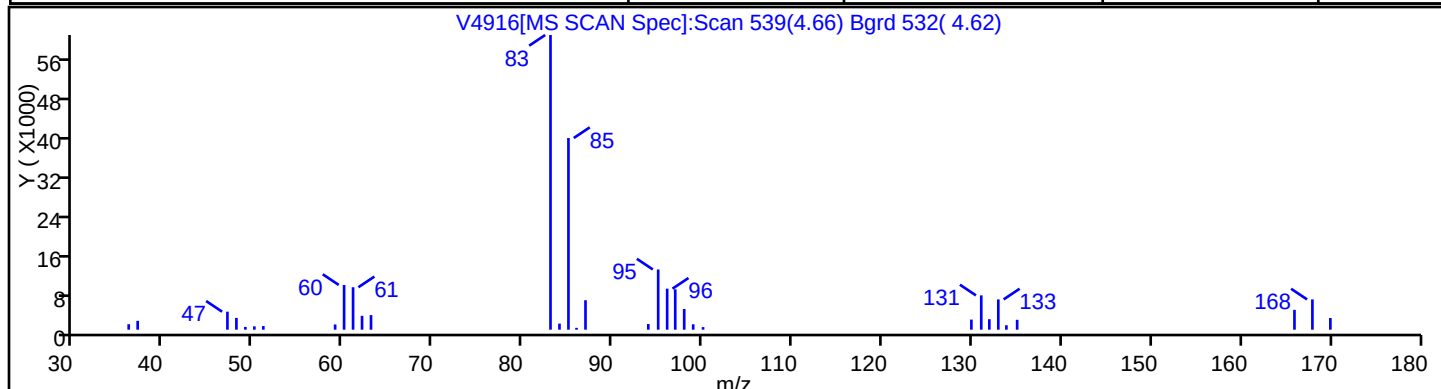
Library Search Compound Match	CAS Number	Library	Entry	Quality
Voa Target		NIST98.L	0	0
Ethane, 1,1,2-trichloro-	79-0-5	NIST98.L	116511	90



Report Date: 13-Sep-2011 09:51:25
 Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4916.D
 Injection Date: 12-Sep-2011 08:21:30
 Client ID:
 Lims Batch ID: 30771
 Operator ID: MKP
 Column Type: RXI-5Sil MS

Chrom Revision: 2.0 01-Sep-2011 14:10:00
 Limit Group: MB - 8270C ICAL
 Instrument ID: HP5973V
 Lims Sample ID: 4
 Injection Vol: 1.00 ul
 Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Voa Target		NIST98.L	0	0
Ethane, 1,1,2,2-tetrachloro-	79-34-5	NIST98.L	33246	98



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-30841/1-A

Matrix: Solid Lab File ID: V4960.D

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3550B Date Extracted: 09/12/2011 11:09

Sample wt/vol: +30.37(g) Date Analyzed: 09/13/2011 08:23

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

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 30945 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		170	36
88-06-2	2,4,6-Trichlorophenol	ND		170	11
120-83-2	2,4-Dichlorophenol	ND		170	8.7
105-67-9	2,4-Dimethylphenol	ND		170	45
51-28-5	2,4-Dinitrophenol	ND		330	58
121-14-2	2,4-Dinitrotoluene	ND		170	26
606-20-2	2,6-Dinitrotoluene	ND		170	41
91-58-7	2-Chloronaphthalene	ND		170	11
95-57-8	2-Chlorophenol	ND		170	8.5
91-57-6	2-Methylnaphthalene	ND		170	2.0
95-48-7	2-Methylphenol	ND		170	5.1
88-74-4	2-Nitroaniline	ND		330	53
88-75-5	2-Nitrophenol	ND		170	7.6
91-94-1	3,3'-Dichlorobenzidine	ND		170	150
99-09-2	3-Nitroaniline	ND		330	38
534-52-1	4,6-Dinitro-2-methylphenol	ND		330	58
101-55-3	4-Bromophenyl phenyl ether	ND		170	53
59-50-7	4-Chloro-3-methylphenol	ND		170	6.9
106-47-8	4-Chloroaniline	ND		170	49
7005-72-3	4-Chlorophenyl phenyl ether	ND		170	3.6
106-44-5	4-Methylphenol	ND		330	9.3
100-01-6	4-Nitroaniline	ND		330	19
100-02-7	4-Nitrophenol	ND		330	40
83-32-9	Acenaphthene	ND		170	2.0
208-96-8	Acenaphthylene	ND		170	1.4
98-86-2	Acetophenone	ND		170	8.6
120-12-7	Anthracene	ND		170	4.3
1912-24-9	Atrazine	ND		170	7.4
100-52-7	Benzaldehyde	ND		170	18
56-55-3	Benzo(a)anthracene	ND		170	2.9
50-32-8	Benzo(a)pyrene	ND		170	4.0
205-99-2	Benzo(b)fluoranthene	ND		170	3.2
191-24-2	Benzo(g,h,i)perylene	ND		170	2.0
207-08-9	Benzo(k)fluoranthene	ND		170	1.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-30841/1-A

Matrix: Solid Lab File ID: V4960.D

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3550B Date Extracted: 09/12/2011 11:09

Sample wt/vol: +30.37(g) Date Analyzed: 09/13/2011 08:23

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

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 30945 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		170	10
108-60-1	bis (2-chloroisopropyl) ether	ND		170	17
111-91-1	Bis(2-chloroethoxy)methane	ND		170	9.1
111-44-4	Bis(2-chloroethyl)ether	ND		170	14
117-81-7	Bis(2-ethylhexyl) phthalate	ND		170	54
85-68-7	Butyl benzyl phthalate	ND		170	45
105-60-2	Caprolactam	ND		170	72
86-74-8	Carbazole	ND		170	1.9
218-01-9	Chrysene	ND		170	1.7
53-70-3	Dibenz(a,h)anthracene	ND		170	2.0
132-64-9	Dibenzofuran	ND		170	1.7
84-66-2	Diethyl phthalate	ND		170	5.0
131-11-3	Dimethyl phthalate	ND		170	4.4
84-74-2	Di-n-butyl phthalate	ND		170	58
117-84-0	Di-n-octyl phthalate	ND		170	3.9
206-44-0	Fluoranthene	ND		170	2.4
86-73-7	Fluorene	ND		170	3.8
118-74-1	Hexachlorobenzene	ND		170	8.3
87-68-3	Hexachlorobutadiene	ND		170	8.5
77-47-4	Hexachlorocyclopentadiene	ND		170	50
67-72-1	Hexachloroethane	ND		170	13
193-39-5	Indeno(1,2,3-cd)pyrene	ND		170	4.6
78-59-1	Isophorone	ND		170	8.3
91-20-3	Naphthalene	ND		170	2.8
98-95-3	Nitrobenzene	ND		170	7.4
621-64-7	N-Nitrosodi-n-propylamine	ND		170	13
86-30-6	N-Nitrosodiphenylamine	ND		170	9.1
87-86-5	Pentachlorophenol	ND		330	57
85-01-8	Phenanthrene	ND		170	3.5
108-95-2	Phenol	ND		170	18
129-00-0	Pyrene	ND		170	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 480-30841/1-A
Matrix: Solid Lab File ID: V4960.D
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3550B Date Extracted: 09/12/2011 11:09
Sample wt/vol: +30.37(g) Date Analyzed: 09/13/2011 08:23
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 30945 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	95		39-146
321-60-8	2-Fluorobiphenyl	96		37-120
367-12-4	2-Fluorophenol	89		18-120
4165-60-0	Nitrobenzene-d5	88		34-132
1718-51-0	p-Terphenyl-d14	103		58-147
4165-62-2	Phenol-d5	95		11-120

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

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 480-30841/1-A
Matrix: Solid Lab File ID: V4960.D
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3550B Date Extracted: 09/12/2011 11:09
Sample wt/vol: +30.37(g) Date Analyzed: 09/13/2011 08:23
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 30945 Units: ug/Kg
Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110913-5905.b\4960.D
 Lims ID: MB 480-30841/1-A Client ID:
 Inject. Date: 13-Sep-2011 08:23:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 480-0005905-004
 Misc. Info.: MB 480-30841/1-A
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 30945 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110913-5905.b\8270.m
 Last Update: 13-Sep-2011 09:40:45 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 13-Sep-2011 09:40:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.829	5.829	0.0	96	100763	40.0	
* 2 Naphthalene-d8	136	7.549	7.549	0.0	100	393924	40.0	
* 3 Acenaphthene-d10	164	9.825	9.825	0.0	90	227847	40.0	
* 4 Phenanthrene-d10	188	11.529	11.529	0.0	97	375829	40.0	
* 5 Chrysene-d12	240	14.008	14.008	0.0	93	378236	40.0	
* 6 Perylene-d12	264	15.301	15.301	0.0	98	340027	40.0	
\$ 9 2-Fluorophenol	112	3.965	3.965	0.0	92	419883	133.0	
\$ 10 Phenol-d5	99	5.338	5.338	0.0	88	569791	142.6	
\$ 11 Nitrobenzene-d5	82	6.588	6.588	0.0	88	348174	88.3	
\$ 12 2-Fluorobiphenyl	172	8.976	8.976	0.0	100	701883	96.3	
\$ 13 2,4,6-Tribromophenol	330	10.776	10.776	0.0	92	111714	142.7	
\$ 14 p-Terphenyl-d14	244	13.073	13.073	0.0	97	845547	103.5	
36 2,3-Dichlorophenol	1		0.000					
61 CAG-800	1		0.000					
23 n,n'-Dimethylacetamide	1		0.000					
57 5-Methyl-o-Anisidine	1		0.000					
44 2,4-Xylidine	1		0.000					
76 3-Chlorobenzotrifluoride	1		0.000					
15 Lidocaine	1		0.000					
55 CBF-400/500	1		0.000					
18 CU-600	1		0.000					
41 2-Chlorotoluene	91		0.000					
39 Benzo[e]pyrene	1		0.000					
70 Phenylacetic Acid	1		0.000					
69 4,4'-Methylene bis(2-chloroaniline)	1		0.000					
35 1,2,3,4 -Tetrachlorobenzene	216		0.000					
43 2,4,5-Trichlorotoluene	1		0.000					
45 2-Aminopyridine	1		0.000					
60 Benzeneacetonitrile	1		0.000					
71 Chlorotoluene N.O.S	1		0.000					
53 1,3,5-Trichlorobenzene	180		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
22 N-Methylaniline	1		0.000					
19 NVF-400	1		0.000					
52 2,6-Dichlorotoluene	1		0.000					
223 2,3-Dichlorobenzeneamine	161		0.000					
79 2-Methylantracene	1		0.000					
72 4-Chlorobenzotrifluoride	1		0.000					
67 4-Chlorotoluene	91		0.000					
40 1-Methylcyclopentanol	1		0.000					
58 Chlorobenzotrifluoride N.O.S	1		0.000					
47 1,3-phenylenediamine	1		0.000					
33 o-Anisidine	1		0.000					
74 3-Chlorotoluene	1		0.000					
17 CN-500	1		0.000					
66 4-Chlorophenol	1		0.000					
63 5-Ethyl-5-phenyl barbituric acid	1		0.000					
27 Pendimethalin	1		0.000					
21 2-Chlorobenzotrifluoride	1		0.000					
46 2,4-Dichlorotoluene	1		0.000					
80 1,4-Dioxane	88		1.929					
81 N-Nitrosodimethylamine	42		2.116					
82 Pyridine	52		2.175					
31 Dimethylformamide	73		2.981					
83 2-Picoline	93		3.512					
84 N-Nitrosomethylethylamine	88		3.619					
85 Methyl methanesulfonate	80		4.014					
68 4-Chloropyridine	78		4.315					
75 3-Chloropyridine	78		4.416					
86 N-Nitrosodiethylamine	102		4.559					
87 Ethyl methanesulfonate	79		4.954					
48 2-Chloropyridine	78		4.961					
88 Benzaldehyde	77		5.204					
89 Phenol	94		5.359					
90 Aniline	93		5.364					
91 Bis(2-chloroethyl)ether	93		5.466					
93 2-Chlorophenol	128		5.541					
92 Pentachloroethane	167		5.633					
94 1,3-Dichlorobenzene	146		5.754					
54 p-Fluoroaniline	111		5.762					
95 1,4-Dichlorobenzene	146		5.856					
20 n-Decane	57		5.998					
96 Benzyl alcohol	108		6.027					
97 1,2-Dichlorobenzene	146		6.064					
98 2-Methylphenol	108		6.203					
99 2,2'-oxybis[1-chloropropane]	45		6.230					
104 Acetophenone	105		6.385					
101 N-Nitrosodi-n-propylamine	70		6.401					
102 4-Methylphenol	108		6.417					
100 N-Nitrosopyrrolidine	100		6.493					
106 Hexachloroethane	117		6.529					
103 N-Nitrosomorpholine	56		6.541					
73 4-Methylbenzenamine	106		6.553					
105 2-Toluidine	106		6.563					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
107 Nitrobenzene	77		6.609					
49 2,6-Dichloropyridine	112		6.783					
108 Pentachlorophenol_T	266		6.852					
110 Isophorone	82		6.940					
109 N-Nitrosopiperidine	114		6.947					
111 2-Nitrophenol	139		7.047					
51 2-Chloroaniline	127		7.108					
112 2,4-Dimethylphenol	107		7.133					
113 Tetraethyl lead	237		7.202					
115 Bis(2-chloroethoxy)methane	93		7.250					
119 Benzoic acid	105		7.336					
116 o,o',o"-Triethylphosphorothioate	198		7.348					
117 2,4-Dichlorophenol	162		7.373					
118 alpha,alpha-Dimethyl phenethylamine	58		7.470					
120 1,2,4-Trichlorobenzene	180		7.485					
121 Naphthalene	128		7.576					
134 4,4'-DDE	246		7.600					
123 4-Chloroaniline	127		7.662					
122 Alpha-Terpineol	59		7.732					
126 Hexachlorobutadiene	225		7.774					
124 2,6-Dichlorophenol	162		7.796					
125 Hexachloropropene	213		7.834					
127 Caprolactam	113		8.067					
32 Quinoline	129		8.190					
128 p-Phenylene diamine	108		8.234					
129 N-Nitrosodi-n-butylamine	84		8.234					
130 Benzidine_T	184		8.263					
131 4-Chloro-3-methylphenol	107		8.319					
133 2-Methylnaphthalene	142		8.490					
132 Safrole, Total	162		8.501					
135 Phthalic anhydride	104		8.678					
138 1,2,4,5-Tetrachlorobenzene	216		8.714					
136 Hexachlorocyclopentadiene	237		8.719					
137 4,4'-DDD	235		8.776					
139 2,4,6-Trichlorophenol	196		8.864					
140 2,4,5-Trichlorophenol	196		8.912					
141 4,4'-DDT	235		8.984					
144 1,1'-Biphenyl	154		9.098					
143 2-Chloronaphthalene	162		9.115					
30 Dicyclohexylamine	138		9.118					
142 Isosafrole	162		9.169					
145 2-Nitroaniline	65		9.248					
42 1,4-Naphthoquinone	158		9.447					
147 Dimethyl phthalate	163		9.499					
146 1,4-Dinitrobenzene	168		9.527					
148 2,6-Dinitrotoluene	165		9.563					
50 1,3-Dinitrobenzene	168		9.634					
149 Acenaphthylene	152		9.644					
150 3-Nitroaniline	138		9.777					
151 Acenaphthene	153		9.868					
152 2,4-Dinitrophenol	184		9.905					
153 4-Nitrophenol	109		10.007					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
154 2,4-Dinitrotoluene	165		10.071					
155 Dibenzofuran	168		10.082					
156 Pentachlorobenzene	250		10.152					
158 2,3,4,6-Tetrachlorophenol	232		10.247					
157 1-Naphthylamine	143		10.280					
159 2-Naphthylamine	143		10.377					
160 Diethyl phthalate	149		10.381					
161 Fluorene	166		10.493					
162 4-Chlorophenyl phenyl ether	204		10.504					
164 4-Nitroaniline	138		10.520					
166 4,6-Dinitro-2-methylphenol	198		10.562					
163 Thionazin	97		10.574					
165 N-Nitro-o-toluidine	152		10.617					
167 N-Nitrosodiphenylamine	169		10.637					
168 1,2-Diphenylhydrazine	77		10.685					
29 Tributyl phosphate	99		10.740					
169 Diphenylamine	169		10.740					
170 Azobenzene	77		10.781					
171 Sulfotepp	322		10.943					
172 1,3,5-Trinitrobenzene	213		11.034					
176 4-Bromophenyl phenyl ether	248		11.054					
173 Diallate	43		11.076					
174 Phorate	75		11.082					
175 Phenacetin	108		11.103					
177 Hexachlorobenzene	284		11.134					
180 Atrazine	200		11.241					
178 Dimethoate	87		11.263					
16 n-Octadecane	57		11.265					
179 Simazine	201		11.306					
181 Pentachlorophenol	266		11.342					
182 4-Aminobiphenyl	169		11.434					
183 Pentachloronitrobenzene	237		11.461					
184 Pronamide	173		11.515					
185 Phenanthrene	178		11.556					
188 Anthracene	178		11.609					
187 Disulfoton	88		11.637					
186 Dinoseb	211		11.643					
189 Carbazole	167		11.775					
190 Methyl parathion	109		12.017					
191 Alachlor	160		12.027					
192 Di-n-butyl phthalate	149		12.133					
193 Ethyl Parathion	97		12.396					
194 4-Nitroquinoline-1-oxide	190		12.423					
62 Anthraquinone	180		12.451					
195 Methapyrilene	58		12.535					
203 3,3'-Dimethylbenzidine	212		12.569					
196 Isodrin	193		12.690					
197 Fluoranthene	202		12.726					
198 Benzidine	184		12.844					
37 1-Hydroxyanthraquinone	224		12.857					
199 Pyrene	202		12.934					
200 Aramite, Total	185		13.213					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
34 1,4-Dihydroxyanthraquinone	240		13.284					
201 p-Dimethylamino azobenzene	120		13.293					
202 Chlorobenzilate	139		13.336					
205 Butyl benzyl phthalate	149		13.501					
204 Famphur	218		13.555					
64 9-Octadecenamide	72		13.599					
206 Kepone	272		13.651					
207 2-Acetylaminofluorene	181		13.822					
208 3,3'-Dichlorobenzidine	252		13.965					
210 Bis(2-ethylhexyl) phthalate	149	13.987	13.987	0.0	1	1535	0.1919	
209 Benzo[a]anthracene	228		13.997					
211 Chrysene	228		14.029					
59 Tricresyl phosphate	91		14.437					1
212 Di-n-octyl phthalate	149		14.521					
213 Benzo[b]fluoranthene	252		14.938					
214 Benzo[k]fluoranthene	252		14.959					
215 7,12-Dimethylbenz(a)anthracene	256		15.062					
216 Hexachlorophene	196		15.227					
217 Benzo[a]pyrene	252		15.248					
218 3-Methylcholanthrene	252		15.756					
219 Indeno[1,2,3-cd]pyrene	276		16.444					
220 Dibenz(a,h)anthracene	278		16.450					
221 Benzo[g,h,i]perylene	276		16.775					
56 Benzeneacetic acid (TIC)	302		18.050					
24 Dibenzo[a,e]pyrene	302		18.630					
S 222 Total Cresols	1		0.000					
S 77 3 & 4 Methylphenol	108		6.497					
S 78 3-Methylphenol	1		6.497					
T 26 trans Azobenzene (TIC)	77		0.000					1
T 38 1-Methylnaphthalene (TIC)	142		0.000					1
T 28 Pendimethalin (TIC)	252		0.000					1
T 65 Benefin (TIC)	1		0.000					1
T 25 Prometryn (TIC)	1		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 13-Sep-2011 09:40:45

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File:

\\Bufchrom\ChromData\HP5973V\20110913-5905.b\V4960.D

Injection Date: 13-Sep-2011 08:23:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 30945

Lims Sample ID: 4

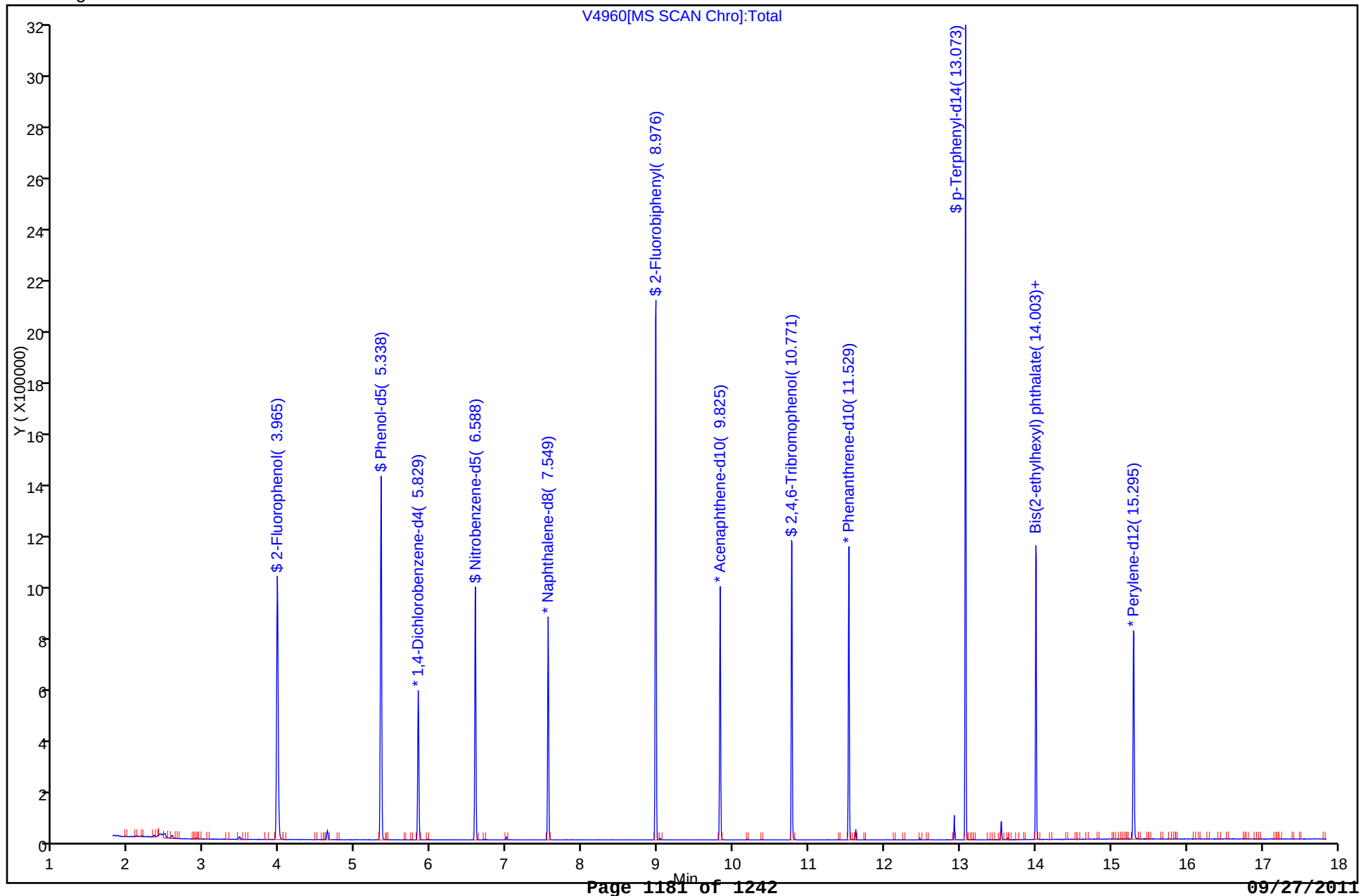
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-29814/2-A

Matrix: Solid Lab File ID: W4838.D

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3550B Date Extracted: 09/01/2011 13:26

Sample wt/vol: +30.52(g) Date Analyzed: 09/08/2011 12:49

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

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 30456 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	3080		170	36
88-06-2	2,4,6-Trichlorophenol	3020		170	11
120-83-2	2,4-Dichlorophenol	2770		170	8.7
105-67-9	2,4-Dimethylphenol	2610		170	45
51-28-5	2,4-Dinitrophenol	3170		320	58
121-14-2	2,4-Dinitrotoluene	3290		170	26
606-20-2	2,6-Dinitrotoluene	3430		170	41
91-58-7	2-Chloronaphthalene	2760		170	11
95-57-8	2-Chlorophenol	2390		170	8.4
91-57-6	2-Methylnaphthalene	2660		170	2.0
95-48-7	2-Methylphenol	2580		170	5.1
88-74-4	2-Nitroaniline	3270		320	53
88-75-5	2-Nitrophenol	2730		170	7.6
91-94-1	3,3'-Dichlorobenzidine	2810		170	150
99-09-2	3-Nitroaniline	3070		320	38
534-52-1	4,6-Dinitro-2-methylphenol	3060		320	57
101-55-3	4-Bromophenyl phenyl ether	3140		170	53
59-50-7	4-Chloro-3-methylphenol	2940		170	6.8
106-47-8	4-Chloroaniline	2460		170	49
7005-72-3	4-Chlorophenyl phenyl ether	2900		170	3.5
106-44-5	4-Methylphenol	5180		320	9.2
100-01-6	4-Nitroaniline	2960		320	19
100-02-7	4-Nitrophenol	3410		320	40
83-32-9	Acenaphthene	2930		170	2.0
208-96-8	Acenaphthylene	3040		170	1.4
98-86-2	Acetophenone	2560		170	8.5
120-12-7	Anthracene	3110		170	4.2
1912-24-9	Atrazine	3630		170	7.4
100-52-7	Benzaldehyde	2320		170	18
56-55-3	Benzo(a)anthracene	3070		170	2.9
50-32-8	Benzo(a)pyrene	3290		170	4.0
205-99-2	Benzo(b)fluoranthene	3180		170	3.2
191-24-2	Benzo(g,h,i)perylene	3500		170	2.0
207-08-9	Benzo(k)fluoranthene	3060		170	1.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-29814/2-A

Matrix: Solid Lab File ID: W4838.D

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3550B Date Extracted: 09/01/2011 13:26

Sample wt/vol: +30.52(g) Date Analyzed: 09/08/2011 12:49

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

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 30456 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	2680		170	10
108-60-1	bis (2-chloroisopropyl) ether	2400		170	17
111-91-1	Bis(2-chloroethoxy)methane	2570		170	9.0
111-44-4	Bis(2-chloroethyl)ether	2410		170	14
117-81-7	Bis(2-ethylhexyl) phthalate	3260		170	53
85-68-7	Butyl benzyl phthalate	3330		170	45
105-60-2	Caprolactam	2970		170	72
86-74-8	Carbazole	3040		170	1.9
218-01-9	Chrysene	3050		170	1.7
53-70-3	Dibenz(a,h)anthracene	3160		170	2.0
132-64-9	Dibenzofuran	2890		170	1.7
84-66-2	Diethyl phthalate	3180		170	5.0
131-11-3	Dimethyl phthalate	3040		170	4.3
84-74-2	Di-n-butyl phthalate	3200		170	57
117-84-0	Di-n-octyl phthalate	3260		170	3.9
206-44-0	Fluoranthene	3220		170	2.4
86-73-7	Fluorene	3050		170	3.8
118-74-1	Hexachlorobenzene	3130		170	8.2
87-68-3	Hexachlorobutadiene	2390		170	8.5
77-47-4	Hexachlorocyclopentadiene	2790		170	50
67-72-1	Hexachloroethane	2250		170	13
193-39-5	Indeno(1,2,3-cd)pyrene	3010		170	4.6
78-59-1	Isophorone	2730		170	8.3
91-20-3	Naphthalene	2560		170	2.8
98-95-3	Nitrobenzene	2540		170	7.4
621-64-7	N-Nitrosodi-n-propylamine	2600		170	13
86-30-6	N-Nitrosodiphenylamine	3130		170	9.1
87-86-5	Pentachlorophenol	3110		320	57
85-01-8	Phenanthrene	3120		170	3.5
108-95-2	Phenol	2490		170	17
129-00-0	Pyrene	3220		170	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 480-29814/2-A
Matrix: Solid Lab File ID: W4838.D
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3550B Date Extracted: 09/01/2011 13:26
Sample wt/vol: +30.52(g) Date Analyzed: 09/08/2011 12:49
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 30456 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	98		39-146
321-60-8	2-Fluorobiphenyl	86		37-120
367-12-4	2-Fluorophenol	72		18-120
4165-60-0	Nitrobenzene-d5	78		34-132
1718-51-0	p-Terphenyl-d14	105		58-147
4165-62-2	Phenol-d5	77		11-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4838.D
 Lims ID: LCS 480-29814/2-A Client ID:
 Inject. Date: 08-Sep-2011 12:49:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 480-0005823-005
 Misc. Info.: LCS 480-29814/2-A =LCS 480-29814/2-A
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 30456 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W-8270.m
 Last Update: 09-Sep-2011 10:28:24 Calib Date: 07-Sep-2011 19:22:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110907-5793.b\W4799.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: pfenderk

Date: 09-Sep-2011 10:28:24

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.046	6.046	0.0	97	117045	40.0	
* 2 Naphthalene-d8	136	7.739	7.734	0.005	100	483477	40.0	
* 3 Acenaphthene-d10	164	10.015	10.010	0.005	98	260959	40.0	
* 4 Phenanthrene-d10	188	11.703	11.704	-0.001	99	460192	40.0	
* 5 Chrysene-d12	240	14.193	14.188	0.005	95	430031	40.0	
* 6 Perylene-d12	264	15.545	15.545	-0.001	93	423412	40.0	
\$ 7 2-Fluorophenol	112	4.278	4.278	0.0	96	469610	107.9	
\$ 8 Phenol-d5	99	5.555	5.554	0.001	95	621726	115.1	
\$ 9 Nitrobenzene-d5	82	6.783	6.783	0.0	94	350921	77.7	
\$ 10 2-Fluorobiphenyl	172	9.155	9.160	-0.005	100	683295	85.9	
\$ 11 2,4,6-Tribromophenol	330	10.950	10.950	0.0	91	159760	146.4	
\$ 12 p-Terphenyl-d14	244	13.247	13.247	0.0	97	947732	105.1	
55 1,4-Dioxane	88		2.322					
53 N-Nitrosodimethylamine	42	2.558	2.563	-0.005	85	172201	74.4	
52 Pyridine	52	2.622	2.632	-0.010	91	242509	62.3	
71 Benzaldehyde	77	5.448	5.442	0.006	90	250469	70.7	
72 Phenol	94	5.571	5.570	0.001	98	468575	75.9	
69 Aniline	93	5.597	5.597	0.0	45	455837	65.0	
74 Bis(2-chloroethyl)ether	93	5.688	5.688	0.0	97	333972	73.7	
75 2-Chlorophenol	128	5.763	5.768	-0.005	96	327792	72.9	
78 1,3-Dichlorobenzene	146	5.977	5.976	0.001	95	315687	68.4	
77 1,4-Dichlorobenzene	146	6.073	6.073	0.0	83	323425	68.3	
79 Benzyl alcohol	108	6.233	6.233	0.0	90	237961	80.6	
73 1,2-Dichlorobenzene	146	6.276	6.281	-0.005	92	305054	68.6	
82 2-Methylphenol	108	6.393	6.393	0.0	97	311789	78.6	
83 2,2'-oxybis[1-chloropropane]	45	6.431	6.430	0.001	92	450004	73.4	
86 Acetophenone	105	6.586	6.580	0.006	97	459231	78.0	
88 4-Methylphenol	108	6.612	6.601	0.011	92	629793	158.1	
87 N-Nitrosodi-n-propylamine	70	6.602	6.601	0.001	71	241488	79.2	
89 Hexachloroethane	117	6.735	6.735	0.0	97	122112	68.7	
85 Nitrobenzene	77	6.810	6.810	0.0	89	355758	77.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
94 Isophorone	82	7.136	7.130	0.006	96	669791	83.2	
97 2-Nitrophenol	139	7.237	7.237	0.0	98	170586	83.3	
99 2,4-Dimethylphenol	107	7.312	7.312	0.0	96	342830	79.6	
101 Tetraethyl lead	237	7.387	7.392	-0.005	90	49462	33.4	
103 Bis(2-chloroethoxy)methane	93	7.430	7.429	0.001	99	387221	78.4	
105 Benzoic acid	105	7.456	7.483	-0.027	31	247340	76.7	
106 2,4-Dichlorophenol	162	7.558	7.558	0.0	96	267625	84.5	
100 1,2,4-Trichlorobenzene	180	7.670	7.675	-0.005	93	276558	75.6	
107 Naphthalene	128	7.766	7.766	0.0	96	945431	78.2	
108 4-Chloroaniline	127	7.841	7.841	0.0	91	384432	75.2	
110 Hexachlorobutadiene	225	7.959	7.958	0.001	95	144361	72.9	
114 Caprolactam	113	8.290	8.242	0.048	69	121740	90.7	
117 4-Chloro-3-methylphenol	107	8.493	8.487	0.006	96	324614	89.7	
121 2-Methylnaphthalene	142	8.674	8.674	0.0	86	613456	81.2	
125 Hexachlorocyclopentadiene	237	8.899	8.904	-0.005	91	172022	85.0	
138 1,4-Dinitrobenzene	168		8.982					
139 1,3-Dinitrobenzene	168		8.982					
127 2,4,6-Trichlorophenol	196	9.048	9.048	0.0	91	197600	92.1	
129 2,4,5-Trichlorophenol	196	9.091	9.086	0.005	92	218868	93.9	
130 1,1'-Biphenyl	154	9.283	9.278	0.005	94	828615	81.8	
131 2-Chloronaphthalene	162	9.299	9.299	0.0	97	605700	84.2	
132 2-Nitroaniline	65	9.433	9.433	0.0	80	234605	99.7	
134 Dimethyl phthalate	163	9.689	9.684	0.005	97	761103	92.9	
135 2,6-Dinitrotoluene	165	9.748	9.748	0.0	85	185563	104.7	
137 Acenaphthylene	152	9.834	9.833	0.001	91	983624	92.7	
140 3-Nitroaniline	138	9.962	9.956	0.006	90	196188	93.7	
141 Acenaphthene	153	10.053	10.053	0.0	93	652262	89.3	
142 2,4-Dinitrophenol	184	10.090	10.090	0.0	60	100396	96.6	
143 4-Nitrophenol	109	10.181	10.175	0.006	94	135034	104.2	
144 2,4-Dinitrotoluene	165	10.256	10.256	0.0	89	242066	100.5	
145 Dibenzofuran	168	10.266	10.266	0.0	84	871253	88.3	
147 2,3,4,6-Tetrachlorophenol	232	10.427	10.421	0.006	92	182180	104.3	
149 Diethyl phthalate	149	10.560	10.560	0.0	97	757231	97.1	
151 Fluorene	166	10.672	10.678	-0.006	83	721556	93.2	
152 4-Chlorophenyl phenyl ether	204	10.678	10.678	0.0	76	353551	88.4	
153 4-Nitroaniline	138	10.704	10.699	0.005	45	201040	90.3	
154 4,6-Dinitro-2-methylphenol	198	10.742	10.736	0.006	85	156361	93.5	
157 N-Nitrosodiphenylamine	169	10.817	10.816	0.001	96	563155	95.5	
159 1,2-Diphenylhydrazine	77	10.859	10.859	0.0	95	834665	93.5	
164 4-Bromophenyl phenyl ether	248	11.228	11.228	0.0	94	210563	95.9	
168 Hexachlorobenzene	284	11.308	11.308	0.0	90	224975	95.5	
170 Atrazine	200	11.415	11.410	0.005	91	235651	110.8	
172 Pentachlorophenol	266	11.516	11.516	0.0	83	130838	94.8	
177 Phenanthrene	178	11.730	11.730	0.0	97	1219934	95.1	
180 Anthracene	178	11.784	11.783	0.001	97	1229834	95.0	
181 Carbazole	167	11.949	11.949	0.0	83	1057936	92.9	
184 Di-n-butyl phthalate	149	12.302	12.302	0.0	100	1291143	97.7	
191 Fluoranthene	202	12.900	12.905	-0.005	98	1342605	98.2	
192 Benzidine	184	13.018	13.017	0.001	91	69394	9.94	
193 Pyrene	202	13.114	13.114	0.0	97	1359437	98.4	
200 Butyl benzyl phthalate	149	13.675	13.675	0.0	98	586371	101.6	
204 3,3'-Dichlorobenzidine	252	14.145	14.150	-0.005	95	377306	85.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
206 Bis(2-ethylhexyl) phthalate	149	14.166	14.171	-0.005	96	808590	99.4	
205 Benzo[a]anthracene	228	14.182	14.182	0.0	96	1138689	93.7	
207 Chrysene	228	14.214	14.214	0.0	94	1196824	93.0	
208 Di-n-octyl phthalate	149	14.722	14.722	0.0	99	1379019	99.4	
209 Benzo[b]fluoranthene	252	15.165	15.165	0.0	94	1034139	97.1	
211 Benzo[k]fluoranthene	252	15.192	15.192	0.0	99	1265770	93.3	
213 Benzo[a]pyrene	252	15.491	15.496	-0.005	99	957945	100.3	
215 Indeno[1,2,3-cd]pyrene	276	16.768	16.768	0.0	90	1194984	92.0	
216 Dibenz(a,h)anthracene	278	16.773	16.773	0.0	54	1038346	96.5	
217 Benzo[g,h,i]perylene	276	17.120	17.120	0.0	90	1028091	106.8	
S 219 3-Methylphenol	1				0		158.1	

Report Date: 09-Sep-2011 10:28:24

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973W\20110908-5823.b\W4838.D

Injection Date: 08-Sep-2011 12:49:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973W

Lims Batch ID: 30456

Lims Sample ID: 5

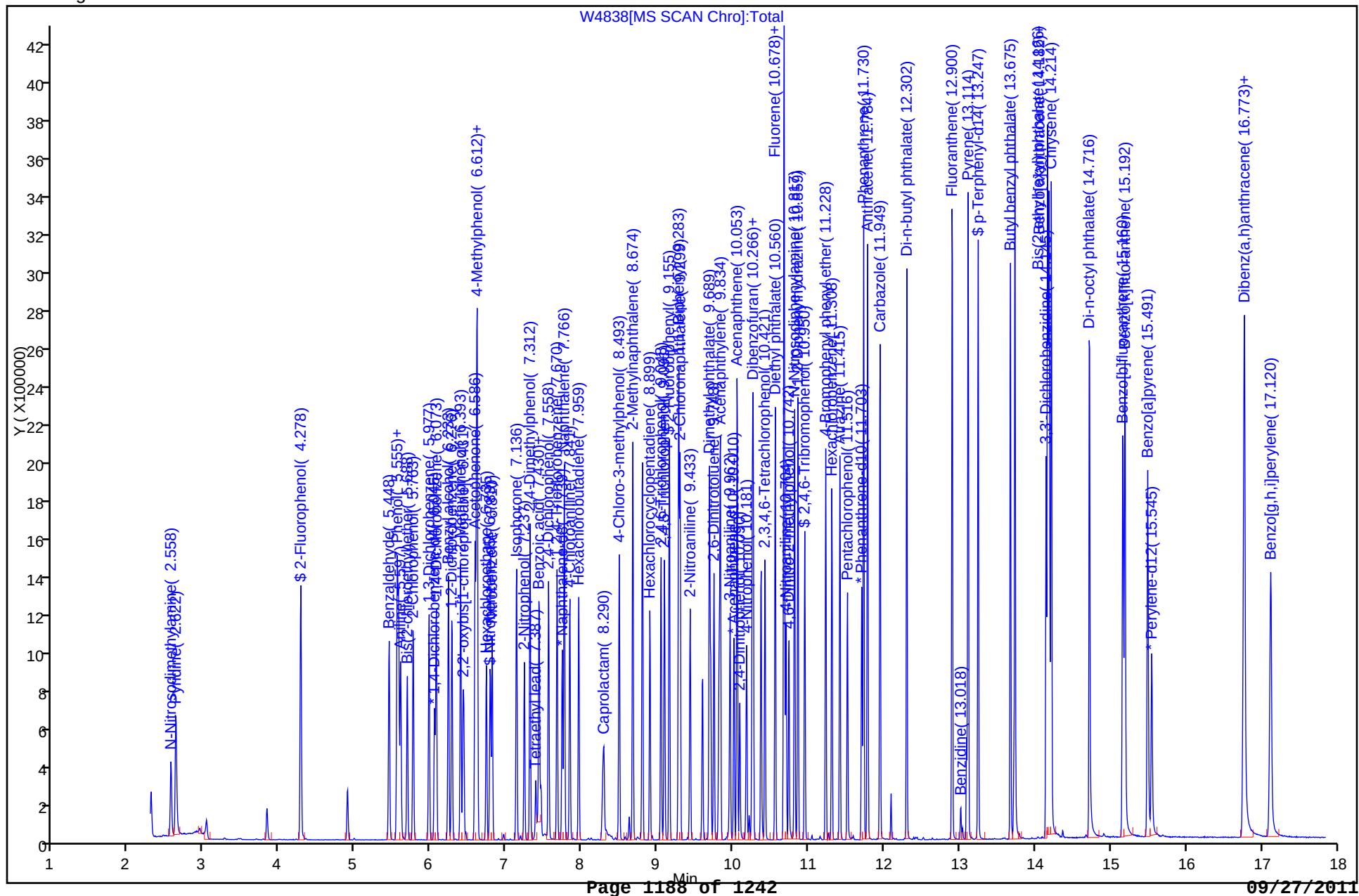
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-30582/2-A

Matrix: Solid Lab File ID: V4917.D

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3550B Date Extracted: 09/09/2011 09:45

Sample wt/vol: +30.62(g) Date Analyzed: 09/12/2011 08:45

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

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 30771 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	3200		170	36
88-06-2	2,4,6-Trichlorophenol	3150		170	11
120-83-2	2,4-Dichlorophenol	3080		170	8.7
105-67-9	2,4-Dimethylphenol	3040		170	45
51-28-5	2,4-Dinitrophenol	3270		320	58
121-14-2	2,4-Dinitrotoluene	3480		170	26
606-20-2	2,6-Dinitrotoluene	3520		170	40
91-58-7	2-Chloronaphthalene	3000		170	11
95-57-8	2-Chlorophenol	2820		170	8.4
91-57-6	2-Methylnaphthalene	3010		170	2.0
95-48-7	2-Methylphenol	3030		170	5.1
88-74-4	2-Nitroaniline	3400		320	53
88-75-5	2-Nitrophenol	3060		170	7.6
91-94-1	3,3'-Dichlorobenzidine	2720		170	150
99-09-2	3-Nitroaniline	3030		320	38
534-52-1	4,6-Dinitro-2-methylphenol	3580		320	57
101-55-3	4-Bromophenyl phenyl ether	3360		170	53
59-50-7	4-Chloro-3-methylphenol	3240		170	6.8
106-47-8	4-Chloroaniline	2720		170	49
7005-72-3	4-Chlorophenyl phenyl ether	3190		170	3.5
106-44-5	4-Methylphenol	6280		320	9.2
100-01-6	4-Nitroaniline	3190		320	18
100-02-7	4-Nitrophenol	3150		320	40
83-32-9	Acenaphthene	3170		170	1.9
208-96-8	Acenaphthylene	3270		170	1.4
98-86-2	Acetophenone	2880		170	8.5
120-12-7	Anthracene	3390		170	4.2
1912-24-9	Atrazine	3900		170	7.4
100-52-7	Benzaldehyde	2110		170	18
56-55-3	Benzo(a)anthracene	3060		170	2.9
50-32-8	Benzo(a)pyrene	3190		170	4.0
205-99-2	Benzo(b)fluoranthene	3240		170	3.2
191-24-2	Benzo(g,h,i)perylene	3440		170	2.0
207-08-9	Benzo(k)fluoranthene	3120		170	1.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-30582/2-A

Matrix: Solid Lab File ID: V4917.D

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3550B Date Extracted: 09/09/2011 09:45

Sample wt/vol: +30.62(g) Date Analyzed: 09/12/2011 08:45

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

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 30771 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	2980		170	10
108-60-1	bis (2-chloroisopropyl) ether	2910		170	17
111-91-1	Bis(2-chloroethoxy)methane	2970		170	9.0
111-44-4	Bis(2-chloroethyl)ether	2770		170	14
117-81-7	Bis(2-ethylhexyl) phthalate	3220		170	53
85-68-7	Butyl benzyl phthalate	3240		170	44
105-60-2	Caprolactam	3790		170	72
86-74-8	Carbazole	3360		170	1.9
218-01-9	Chrysene	3080		170	1.7
53-70-3	Dibenz(a,h)anthracene	3430		170	1.9
132-64-9	Dibenzofuran	3110		170	1.7
84-66-2	Diethyl phthalate	3350		170	5.0
131-11-3	Dimethyl phthalate	3260		170	4.3
84-74-2	Di-n-butyl phthalate	3430		170	57
117-84-0	Di-n-octyl phthalate	3440		170	3.9
206-44-0	Fluoranthene	3350		170	2.4
86-73-7	Fluorene	3310		170	3.8
118-74-1	Hexachlorobenzene	3310		170	8.2
87-68-3	Hexachlorobutadiene	2650		170	8.5
77-47-4	Hexachlorocyclopentadiene	2950		170	50
67-72-1	Hexachloroethane	2450		170	13
193-39-5	Indeno(1,2,3-cd)pyrene	3350		170	4.6
78-59-1	Isophorone	3130		170	8.3
91-20-3	Naphthalene	2910		170	2.8
98-95-3	Nitrobenzene	2860		170	7.3
621-64-7	N-Nitrosodi-n-propylamine	3010		170	13
86-30-6	N-Nitrosodiphenylamine	3420		170	9.0
87-86-5	Pentachlorophenol	2990		320	57
85-01-8	Phenanthrene	3330		170	3.5
108-95-2	Phenol	2900		170	17
129-00-0	Pyrene	3120		170	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 480-30582/2-A
Matrix: Solid Lab File ID: V4917.D
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3550B Date Extracted: 09/09/2011 09:45
Sample wt/vol: +30.62(g) Date Analyzed: 09/12/2011 08:45
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 30771 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	108		39-146
321-60-8	2-Fluorobiphenyl	95		37-120
367-12-4	2-Fluorophenol	84		18-120
4165-60-0	Nitrobenzene-d5	88		34-132
1718-51-0	p-Terphenyl-d14	104		58-147
4165-62-2	Phenol-d5	92		11-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\4917.D
 Lims ID: LCS 480-30582/2-A Client ID:
 Inject. Date: 12-Sep-2011 08:45:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 480-0005869-005
 Misc. Info.: LCS 480-30582/2-A
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 30771 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\8270.m
 Last Update: 13-Sep-2011 09:52:16 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 13-Sep-2011 09:52:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.856	5.856	0.0	96	97877	40.0	
* 2 Naphthalene-d8	136	7.571	7.571	0.0	100	380223	40.0	
* 3 Acenaphthene-d10	164	9.846	9.847	-0.001	91	227521	40.0	
* 4 Phenanthrene-d10	188	11.551	11.545	0.006	97	388148	40.0	
* 5 Chrysene-d12	240	14.029	14.024	0.005	97	376785	40.0	
* 6 Perylene-d12	264	15.322	15.322	0.0	94	360358	40.0	
\$ 9 2-Fluorophenol	112	4.007	4.002	0.005	93	388550	126.7	
\$ 10 Phenol-d5	99	5.370	5.364	0.006	97	535047	137.9	
\$ 11 Nitrobenzene-d5	82	6.609	6.609	0.0	89	335918	88.3	
\$ 12 2-Fluorobiphenyl	172	8.992	8.992	0.0	100	693186	95.3	
\$ 13 2,4,6-Tribromophenol	330	10.797	10.792	0.005	91	131368	162.5	
\$ 14 p-Terphenyl-d14	244	13.089	13.089	0.0	97	847367	104.2	
80 1,4-Dioxane	88		1.929					
81 N-Nitrosodimethylamine	42	2.159	2.164	-0.005	80	143388	76.0	
82 Pyridine	52	2.223	2.223	0.0	91	171779	65.9	
88 Benzaldehyde	77	5.231	5.231	0.0	90	181727	64.6	
89 Phenol	94	5.391	5.386	0.005	85	387412	88.9	
90 Aniline	93	5.396	5.391	0.005	75	370586	74.0	
91 Bis(2-chloroethyl)ether	93	5.493	5.487	0.006	97	273321	84.9	
93 2-Chlorophenol	128	5.567	5.567	0.0	97	285176	86.3	
94 1,3-Dichlorobenzene	146	5.781	5.781	0.0	97	289683	76.4	
95 1,4-Dichlorobenzene	146	5.877	5.877	0.0	83	295040	75.9	
96 Benzyl alcohol	108	6.053	6.054	-0.001	88	198289	93.6	
97 1,2-Dichlorobenzene	146	6.091	6.091	0.0	89	277440	76.4	
98 2-Methylphenol	108	6.230	6.225	0.005	98	267654	92.9	
99 2,2'-oxybis[1-chloropropane]	45	6.251	6.251	0.0	91	376424	89.2	
104 Acetophenone	105	6.411	6.406	0.005	95	405255	88.1	
101 N-Nitrosodi-n-propylamine	70	6.427	6.422	0.005	88	222981	92.3	
102 4-Methylphenol	108	6.454	6.438	0.016	66	572224	192.2	E
106 Hexachloroethane	117	6.550	6.550	0.0	96	106404	75.0	
107 Nitrobenzene	77	6.636	6.636	0.0	89	332599	87.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
110 Isophorone	82	6.962	6.962	0.0	97	612061	95.7	
111 2-Nitrophenol	139	7.068	7.069	-0.001	98	163810	93.6	
112 2,4-Dimethylphenol	107	7.159	7.154	0.005	98	318450	93.0	
113 Tetraethyl lead	237	7.223	7.224	-0.001	90	49464	38.4	
115 Bis(2-chloroethoxy)methane	93	7.271	7.266	0.005	100	332785	90.9	
119 Benzoic acid	105	7.330	7.357	-0.027	86	210935	89.1	
117 2,4-Dichlorophenol	162	7.400	7.400	0.0	95	252084	94.4	
120 1,2,4-Trichlorobenzene	180	7.507	7.507	0.0	94	250901	84.3	
121 Naphthalene	128	7.597	7.597	0.0	96	833860	89.2	
123 4-Chloroaniline	127	7.683	7.678	0.005	84	321990	83.4	
126 Hexachlorobutadiene	225	7.795	7.795	0.0	94	136828	81.2	
127 Caprolactam	113	8.126	8.089	0.037	70	113900	116.1	
131 4-Chloro-3-methylphenol	107	8.351	8.340	0.011	91	288892	99.3	
133 2-Methylnaphthalene	142	8.511	8.511	0.0	90	592943	92.2	
136 Hexachlorocyclopentadiene	237	8.735	8.735	0.0	97	181363	90.2	
139 2,4,6-Trichlorophenol	196	8.890	8.885	0.005	92	186910	96.4	
140 2,4,5-Trichlorophenol	196	8.938	8.933	0.005	93	206219	98.1	
144 1,1'-Biphenyl	154	9.120	9.115	0.005	95	770312	91.4	
143 2-Chloronaphthalene	162	9.136	9.136	0.0	96	573275	92.0	
145 2-Nitroaniline	65	9.275	9.270	0.005	82	207045	104.2	
147 Dimethyl phthalate	163	9.526	9.521	0.005	97	722988	99.9	
146 1,4-Dinitrobenzene	168		9.527					
148 2,6-Dinitrotoluene	165	9.585	9.585	0.0	93	178005	107.7	
50 1,3-Dinitrobenzene	168		9.634					
149 Acenaphthylene	152	9.665	9.660	0.005	92	983622	100.1	
150 3-Nitroaniline	138	9.798	9.798	0.0	91	164029	92.7	
151 Acenaphthene	153	9.889	9.889	0.0	94	597823	97.0	
152 2,4-Dinitrophenol	184	9.932	9.927	0.005	60	103779	100.0	
153 4-Nitrophenol	109	10.039	10.034	0.005	95	108706	96.6	
154 2,4-Dinitrotoluene	165	10.098	10.092	0.006	81	239688	106.5	
155 Dibenzofuran	168	10.103	10.103	0.0	87	852975	95.2	
158 2,3,4,6-Tetrachlorophenol	232	10.268	10.263	0.005	76	159572	118.8	
160 Diethyl phthalate	149	10.402	10.397	0.005	97	754876	102.6	
161 Fluorene	166	10.514	10.514	0.0	83	743582	101.3	
162 4-Chlorophenyl phenyl ether	204	10.520	10.520	0.0	73	339539	97.8	
164 4-Nitroaniline	138	10.546	10.541	0.005	35	175286	97.7	
166 4,6-Dinitro-2-methylphenol	198	10.589	10.584	0.005	82	142621	109.6	
167 N-Nitrosodiphenylamine	169	10.658	10.659	-0.001	59	544526	104.8	
168 1,2-Diphenylhydrazine	77	10.707	10.701	0.006	97	756857	100.2	
176 4-Bromophenyl phenyl ether	248	11.075	11.075	0.0	62	194602	102.8	
177 Hexachlorobenzene	284	11.155	11.155	0.0	90	193134	101.5	
180 Atrazine	200	11.267	11.262	0.005	92	205237	119.4	
181 Pentachlorophenol	266	11.364	11.364	0.0	85	112955	91.6	
185 Phenanthrene	178	11.577	11.572	0.005	96	1058556	101.9	
188 Anthracene	178	11.625	11.626	-0.001	98	1086860	103.7	
189 Carbazole	167	11.796	11.796	0.0	82	1003181	102.8	
192 Di-n-butyl phthalate	149	12.149	12.149	0.0	100	1231179	105.1	
197 Fluoranthene	202	12.747	12.747	0.0	97	1148306	102.7	
198 Benzidine	184	12.859	12.860	-0.001	95	104126	16.6	
199 Pyrene	202	12.956	12.956	0.0	97	1134246	95.4	
205 Butyl benzyl phthalate	149	13.517	13.517	0.0	97	570725	99.3	
208 3,3'-Dichlorobenzidine	252	13.987	13.987	0.0	68	332133	83.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
210 Bis(2-ethylhexyl) phthalate	149	14.008	14.008	0.0	95	785246	98.6	
209 Benzo[a]anthracene	228	14.019	14.019	0.0	94	1030428	93.8	
211 Chrysene	228	14.051	14.051	0.0	93	1004122	94.2	
212 Di-n-octyl phthalate	149	14.542	14.542	0.0	100	1299308	105.4	
213 Benzo[b]fluoranthene	252	14.964	14.959	0.005	92	1038605	99.2	
214 Benzo[k]fluoranthene	252	14.986	14.986	0.0	98	1049110	95.6	
217 Benzo[a]pyrene	252	15.274	15.274	0.0	75	859330	97.8	
219 Indeno[1,2,3-cd]pyrene	276	16.482	16.476	0.006	92	1093332	102.5	
220 Dibenz(a,h)anthracene	278	16.487	16.482	0.005	58	937857	105.0	
221 Benzo[g,h,i]perylene	276	16.818	16.808	0.010	93	895169	105.4	
S 78 3-Methylphenol	1				0		192.2	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110912-5869.b\V4917.D

Injection Date: 12-Sep-2011 08:45:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 30771

Lims Sample ID: 5

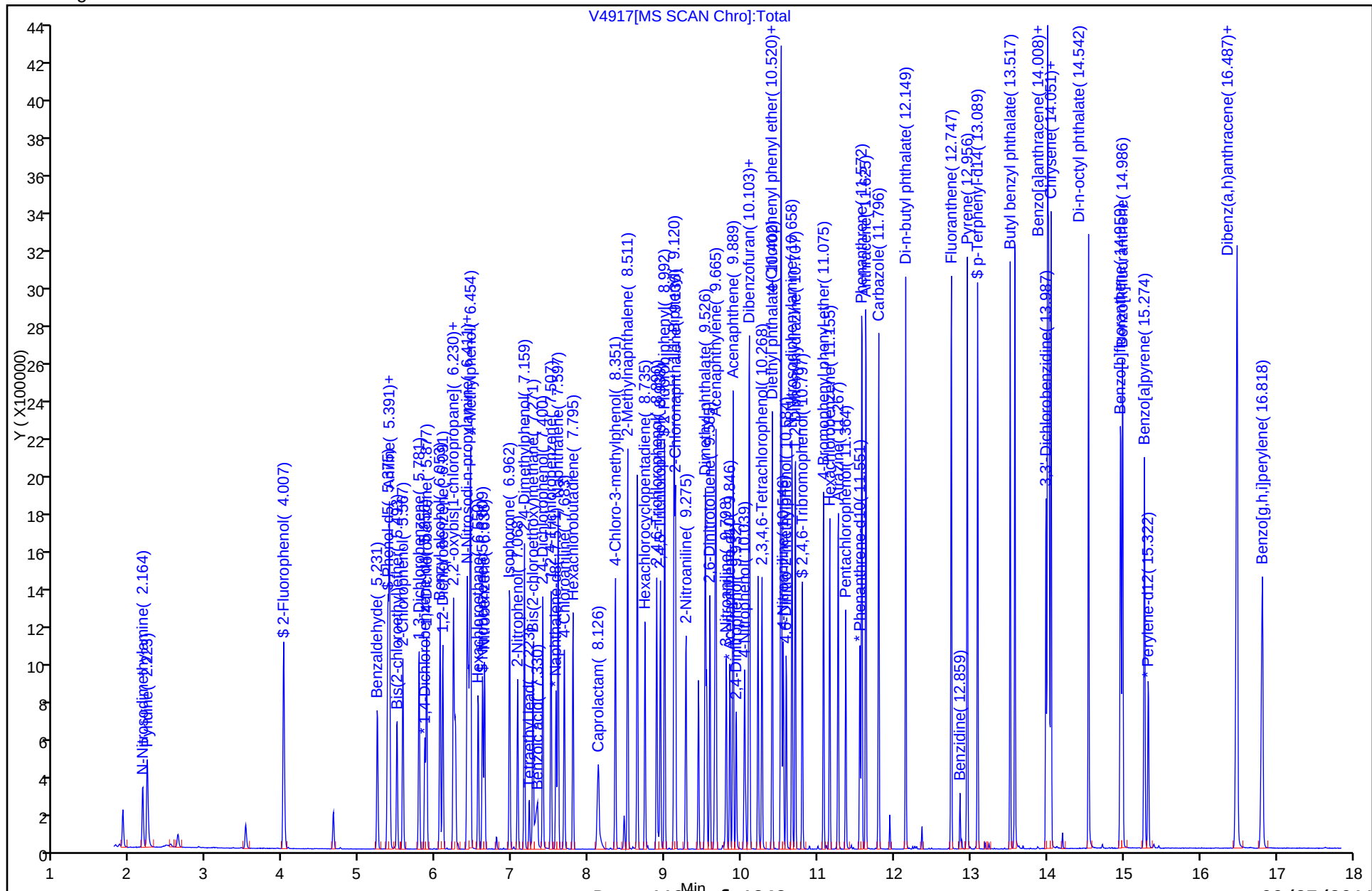
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 480-30841/2-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>V4961.D</u>
Analysis Method: <u>8270C</u>	Date Collected: _____
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/12/2011 11:09</u>
Sample wt/vol: <u>+30.58(g)</u>	Date Analyzed: <u>09/13/2011 08:47</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>30945</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	3250		170	36
88-06-2	2,4,6-Trichlorophenol	3250		170	11
120-83-2	2,4-Dichlorophenol	3150		170	8.7
105-67-9	2,4-Dimethylphenol	3080		170	45
51-28-5	2,4-Dinitrophenol	2920		320	58
121-14-2	2,4-Dinitrotoluene	3490		170	26
606-20-2	2,6-Dinitrotoluene	3560		170	41
91-58-7	2-Chloronaphthalene	3090		170	11
95-57-8	2-Chlorophenol	2820		170	8.4
91-57-6	2-Methylnaphthalene	3080		170	2.0
95-48-7	2-Methylphenol	3100		170	5.1
88-74-4	2-Nitroaniline	3420		320	53
88-75-5	2-Nitrophenol	3030		170	7.6
91-94-1	3,3'-Dichlorobenzidine	2880		170	150
99-09-2	3-Nitroaniline	3230		320	38
534-52-1	4,6-Dinitro-2-methylphenol	3710		320	57
101-55-3	4-Bromophenyl phenyl ether	3350		170	53
59-50-7	4-Chloro-3-methylphenol	3290		170	6.8
106-47-8	4-Chloroaniline	3010		170	49
7005-72-3	4-Chlorophenyl phenyl ether	3210		170	3.5
106-44-5	4-Methylphenol	6350		320	9.2
100-01-6	4-Nitroaniline	3440		320	18
100-02-7	4-Nitrophenol	3180		320	40
83-32-9	Acenaphthene	3280		170	1.9
208-96-8	Acenaphthylene	3350		170	1.4
98-86-2	Acetophenone	2900		170	8.5
120-12-7	Anthracene	3420		170	4.2
1912-24-9	Atrazine	4220		170	7.4
100-52-7	Benzaldehyde	2500		170	18
56-55-3	Benzo(a)anthracene	3050		170	2.9
50-32-8	Benzo(a)pyrene	3340		170	4.0
205-99-2	Benzo(b)fluoranthene	3310		170	3.2
191-24-2	Benzo(g,h,i)perylene	3230		170	2.0
207-08-9	Benzo(k)fluoranthene	3270		170	1.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-30841/2-A

Matrix: Solid Lab File ID: V4961.D

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3550B Date Extracted: 09/12/2011 11:09

Sample wt/vol: +30.58(g) Date Analyzed: 09/13/2011 08:47

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

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 30945 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	3070		170	10
108-60-1	bis (2-chloroisopropyl) ether	2900		170	17
111-91-1	Bis(2-chloroethoxy)methane	3080		170	9.0
111-44-4	Bis(2-chloroethyl)ether	2770		170	14
117-81-7	Bis(2-ethylhexyl) phthalate	3140		170	53
85-68-7	Butyl benzyl phthalate	3210		170	44
105-60-2	Caprolactam	3710		170	72
86-74-8	Carbazole	3350		170	1.9
218-01-9	Chrysene	3030		170	1.7
53-70-3	Dibenz(a,h)anthracene	3290		170	1.9
132-64-9	Dibenzofuran	3170		170	1.7
84-66-2	Diethyl phthalate	3370		170	5.0
131-11-3	Dimethyl phthalate	3320		170	4.3
84-74-2	Di-n-butyl phthalate	3490		170	57
117-84-0	Di-n-octyl phthalate	3450		170	3.9
206-44-0	Fluoranthene	3450		170	2.4
86-73-7	Fluorene	3380		170	3.8
118-74-1	Hexachlorobenzene	3380		170	8.2
87-68-3	Hexachlorobutadiene	2680		170	8.5
77-47-4	Hexachlorocyclopentadiene	2860		170	50
67-72-1	Hexachloroethane	2310		170	13
193-39-5	Indeno(1,2,3-cd)pyrene	3150		170	4.6
78-59-1	Isophorone	3190		170	8.3
91-20-3	Naphthalene	2940		170	2.8
98-95-3	Nitrobenzene	2820		170	7.3
621-64-7	N-Nitrosodi-n-propylamine	3050		170	13
86-30-6	N-Nitrosodiphenylamine	3470		170	9.1
87-86-5	Pentachlorophenol	2580		320	57
85-01-8	Phenanthrene	3410		170	3.5
108-95-2	Phenol	2930		170	17
129-00-0	Pyrene	3050		170	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 480-30841/2-A
Matrix: Solid Lab File ID: V4961.D
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3550B Date Extracted: 09/12/2011 11:09
Sample wt/vol: +30.58(g) Date Analyzed: 09/13/2011 08:47
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 30945 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	109		39-146
321-60-8	2-Fluorobiphenyl	98		37-120
367-12-4	2-Fluorophenol	86		18-120
4165-60-0	Nitrobenzene-d5	88		34-132
1718-51-0	p-Terphenyl-d14	101		58-147
4165-62-2	Phenol-d5	93		11-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110913-5905.b\V4961.D
 Lims ID: LCS 480-30841/2-A Client ID:
 Inject. Date: 13-Sep-2011 08:47:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 480-0005905-005
 Misc. Info.: LCS 480-30841/2-A
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 30945 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110913-5905.b\V-8270.m
 Last Update: 13-Sep-2011 09:41:52 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 13-Sep-2011 09:41:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.829	5.829	0.0	97	101661	40.0	
* 2 Naphthalene-d8	136	7.549	7.549	0.0	99	390561	40.0	
* 3 Acenaphthene-d10	164	9.831	9.825	0.006	92	231079	40.0	
* 4 Phenanthrene-d10	188	11.529	11.529	0.0	97	396007	40.0	
* 5 Chrysene-d12	240	14.014	14.008	0.006	94	398957	40.0	
* 6 Perylene-d12	264	15.301	15.301	0.0	97	365860	40.0	
\$ 9 2-Fluorophenol	112	3.970	3.965	0.005	92	409844	128.7	
\$ 10 Phenol-d5	99	5.343	5.338	0.005	97	562410	139.5	
\$ 11 Nitrobenzene-d5	82	6.588	6.588	0.0	88	342993	87.8	
\$ 12 2-Fluorobiphenyl	172	8.976	8.976	0.0	99	728308	98.5	
\$ 13 2,4,6-Tribromophenol	330	10.781	10.776	0.005	93	134841	163.5	
\$ 14 p-Terphenyl-d14	244	13.073	13.073	0.0	97	873712	101.4	
80 1,4-Dioxane	88		1.929					
81 N-Nitrosodimethylamine	42	2.116	2.116	0.0	83	145496	74.3	
82 Pyridine	52	2.175	2.175	0.0	91	175504	64.8	
88 Benzaldehyde	77	5.210	5.204	0.006	90	224000	76.6	
89 Phenol	94	5.364	5.359	0.005	85	406031	89.7	
90 Aniline	93	5.370	5.364	0.006	79	438957	84.4	
91 Bis(2-chloroethyl)ether	93	5.466	5.466	0.0	96	283034	84.7	
93 2-Chlorophenol	128	5.541	5.541	0.0	96	295793	86.1	
94 1,3-Dichlorobenzene	146	5.754	5.754	0.0	96	288977	73.4	
95 1,4-Dichlorobenzene	146	5.856	5.856	0.0	85	298190	73.9	
96 Benzyl alcohol	108	6.032	6.027	0.005	89	211566	96.2	
97 1,2-Dichlorobenzene	146	6.064	6.064	0.0	86	283819	75.3	
98 2-Methylphenol	108	6.203	6.203	0.0	97	284123	94.9	
99 2,2'-oxybis[1-chloropropane]	45	6.230	6.230	0.0	92	388452	88.6	
104 Acetophenone	105	6.385	6.385	0.0	93	423394	88.7	
101 N-Nitrosodi-n-propylamine	70	6.406	6.401	0.005	87	233817	93.2	
102 4-Methylphenol	108	6.433	6.417	0.016	66	600779	194.3	E
106 Hexachloroethane	117	6.529	6.529	0.0	97	104123	70.6	
107 Nitrobenzene	77	6.615	6.609	0.005	89	337049	86.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
110 Isophorone	82	6.946	6.940	0.006	97	641562	97.7	
111 2-Nitrophenol	139	7.047	7.047	0.0	98	166716	92.8	
112 2,4-Dimethylphenol	107	7.138	7.133	0.005	97	330833	94.1	
113 Tetraethyl lead	237	7.202	7.202	0.0	90	53588	40.5	
115 Bis(2-chloroethoxy)methane	93	7.250	7.250	0.0	98	354208	94.2	
119 Benzoic acid	105	7.304	7.336	-0.032	84	188580	77.6	M
117 2,4-Dichlorophenol	162	7.378	7.373	0.005	95	264102	96.3	
120 1,2,4-Trichlorobenzene	180	7.485	7.485	0.0	92	261617	85.6	
121 Naphthalene	128	7.581	7.576	0.005	96	864047	90.0	
123 4-Chloroaniline	127	7.662	7.662	0.0	85	364408	91.9	
126 Hexachlorobutadiene	225	7.774	7.774	0.0	97	141751	81.9	
127 Caprolactam	113	8.116	8.067	0.049	68	114418	113.6	
131 4-Chloro-3-methylphenol	107	8.329	8.319	0.010	91	301016	100.7	
133 2-Methylnaphthalene	142	8.490	8.490	0.0	89	621468	94.1	
136 Hexachlorocyclopentadiene	237	8.719	8.719	0.0	91	178742	87.5	
139 2,4,6-Trichlorophenol	196	8.869	8.864	0.005	92	195622	99.3	
140 2,4,5-Trichlorophenol	196	8.917	8.912	0.005	92	212321	99.4	
144 1,1'-Biphenyl	154	9.099	9.098	0.001	95	803212	93.8	
143 2-Chloronaphthalene	162	9.115	9.115	0.0	97	597687	94.4	
145 2-Nitroaniline	65	9.254	9.248	0.006	81	210993	104.6	
147 Dimethyl phthalate	163	9.505	9.499	0.006	97	746515	101.6	
146 1,4-Dinitrobenzene	168		9.527					
148 2,6-Dinitrotoluene	165	9.569	9.563	0.006	94	182966	109.0	
50 1,3-Dinitrobenzene	168		9.634					
149 Acenaphthylene	152	9.644	9.644	0.0	93	1023587	102.5	
150 3-Nitroaniline	138	9.782	9.777	0.005	93	177752	98.9	
151 Acenaphthene	153	9.873	9.868	0.005	94	627430	100.3	
152 2,4-Dinitrophenol	184	9.911	9.905	0.006	65	93439	89.3	
153 4-Nitrophenol	109	10.018	10.007	0.011	95	110974	97.1	
154 2,4-Dinitrotoluene	165	10.076	10.071	0.005	90	243794	106.7	
155 Dibenzofuran	168	10.087	10.082	0.005	87	882572	97.0	
158 2,3,4,6-Tetrachlorophenol	232	10.247	10.247	0.0	75	162320	118.9	
160 Diethyl phthalate	149	10.386	10.381	0.005	98	771668	103.2	
161 Fluorene	166	10.498	10.493	0.005	83	770808	103.4	
162 4-Chlorophenyl phenyl ether	204	10.504	10.504	0.0	88	345782	98.1	
164 4-Nitroaniline	138	10.530	10.520	0.010	38	191507	105.1	
166 4,6-Dinitro-2-methylphenol	198	10.568	10.562	0.006	82	150397	113.3	
167 N-Nitrosodiphenylamine	169	10.643	10.637	0.006	58	562609	106.2	
168 1,2-Diphenylhydrazine	77	10.685	10.685	0.0	98	780604	101.8	
176 4-Bromophenyl phenyl ether	248	11.059	11.054	0.005	61	197800	102.5	
177 Hexachlorobenzene	284	11.139	11.134	0.005	92	200983	103.5	
180 Atrazine	200	11.252	11.241	0.011	93	225091	129.0	
181 Pentachlorophenol	266	11.348	11.342	0.006	85	98672	79.0	
185 Phenanthrene	178	11.556	11.556	0.0	97	1105760	104.3	
188 Anthracene	178	11.610	11.609	0.001	98	1117637	104.5	
189 Carbazole	167	11.780	11.775	0.005	82	1018342	102.3	
192 Di-n-butyl phthalate	149	12.133	12.133	0.0	100	1275703	106.7	
197 Fluoranthene	202	12.731	12.726	0.005	97	1202387	105.4	
198 Benzidine	184	12.844	12.844	0.0	98	431047	64.7	
199 Pyrene	202	12.940	12.934	0.006	97	1175918	93.4	
205 Butyl benzyl phthalate	149	13.501	13.501	0.0	98	597195	98.1	
208 3,3'-Dichlorobenzidine	252	13.971	13.965	0.006	70	372529	88.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
210 Bis(2-ethylhexyl) phthalate	149	13.992	13.987	0.005	95	809546	96.0	
209 Benzo[a]anthracene	228	14.003	13.997	0.006	94	1083742	93.2	
211 Chrysene	228	14.035	14.029	0.006	93	1046889	92.8	
212 Di-n-octyl phthalate	149	14.526	14.521	0.005	99	1375753	105.4	
213 Benzo[b]fluoranthene	252	14.943	14.938	0.005	92	1075117	101.1	
214 Benzo[k]fluoranthene	252	14.970	14.959	0.011	98	1113005	99.9	
217 Benzo[a]pyrene	252	15.253	15.248	0.005	74	911057	102.2	
219 Indeno[1,2,3-cd]pyrene	276	16.455	16.444	0.011	85	1044342	96.4	
220 Dibenz(a,h)anthracene	278	16.455	16.450	0.005	54	911343	100.5	
221 Benzo[g,h,i]perylene	276	16.781	16.775	0.006	92	851536	98.7	
S 78 3-Methylphenol	1				0		194.3	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

Report Date: 13-Sep-2011 09:41:52

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110913-5905.b\4961.D

Injection Date: 13-Sep-2011 08:47:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 30945

Lims Sample ID: 5

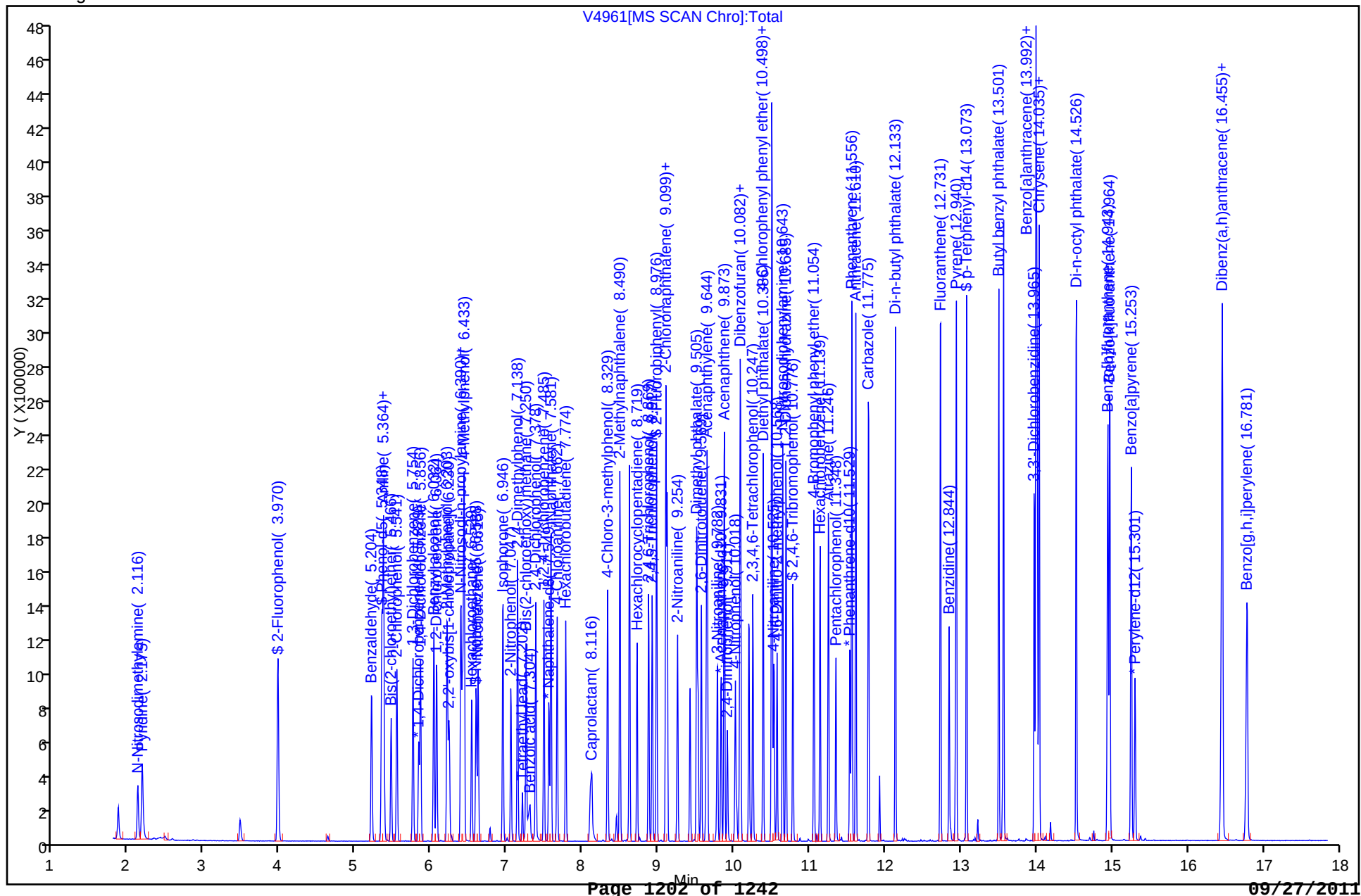
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-B1 (5-9) MS</u>	Lab Sample ID: <u>480-9503-6 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>V5124.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/07/2011 07:50</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/12/2011 11:09</u>
Sample wt/vol: <u>+30.44(g)</u>	Date Analyzed: <u>09/16/2011 14:28</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>18.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>31527</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	3960		200	44
88-06-2	2,4,6-Trichlorophenol	4010		200	13
120-83-2	2,4-Dichlorophenol	3950		200	11
105-67-9	2,4-Dimethylphenol	3890		200	55
51-28-5	2,4-Dinitrophenol	3160		400	71
121-14-2	2,4-Dinitrotoluene	4080		200	31
606-20-2	2,6-Dinitrotoluene	4190		200	50
91-58-7	2-Chloronaphthalene	3710		200	14
95-57-8	2-Chlorophenol	3570		200	10
91-57-6	2-Methylnaphthalene	3700		200	2.5
95-48-7	2-Methylphenol	4000		200	6.3
88-74-4	2-Nitroaniline	4090		400	65
88-75-5	2-Nitrophenol	3890		200	9.3
91-94-1	3,3'-Dichlorobenzidine	3680		200	180
99-09-2	3-Nitroaniline	4100		400	47
534-52-1	4,6-Dinitro-2-methylphenol	4060		400	70
101-55-3	4-Bromophenyl phenyl ether	4370		200	65
59-50-7	4-Chloro-3-methylphenol	3970		200	8.4
106-47-8	4-Chloroaniline	3520		200	60
7005-72-3	4-Chlorophenyl phenyl ether	3790		200	4.3
106-44-5	4-Methylphenol	8200		400	11
100-01-6	4-Nitroaniline	4330		400	23
100-02-7	4-Nitrophenol	3490		400	49
83-32-9	Acenaphthene	4010		200	2.4
208-96-8	Acenaphthylene	4050		200	1.7
98-86-2	Acetophenone	3540		200	10
120-12-7	Anthracene	4290		200	5.2
1912-24-9	Atrazine	4930		200	9.0
100-52-7	Benzaldehyde	2990		200	22
56-55-3	Benzo(a)anthracene	3630		200	3.5
50-32-8	Benzo(a)pyrene	3780		200	4.9
205-99-2	Benzo(b)fluoranthene	3520		200	3.9
191-24-2	Benzo(g,h,i)perylene	4350		200	2.4
207-08-9	Benzo(k)fluoranthene	3320		200	2.2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-B1 (5-9) MS</u>	Lab Sample ID: <u>480-9503-6 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>V5124.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/07/2011 07:50</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/12/2011 11:09</u>
Sample wt/vol: <u>+30.44(g)</u>	Date Analyzed: <u>09/16/2011 14:28</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>18.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>31527</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	3590		200	13
108-60-1	bis (2-chloroisopropyl) ether	3810		200	21
111-91-1	Bis(2-chloroethoxy)methane	3880		200	11
111-44-4	Bis(2-chloroethyl)ether	3560		200	18
117-81-7	Bis(2-ethylhexyl) phthalate	3490		200	65
85-68-7	Butyl benzyl phthalate	3460		200	55
105-60-2	Caprolactam	4820		200	88
86-74-8	Carbazole	4280		200	2.4
218-01-9	Chrysene	3630		200	2.0
53-70-3	Dibenz(a,h)anthracene	4060		200	2.4
132-64-9	Dibenzofuran	3850		200	2.1
84-66-2	Diethyl phthalate	3830		200	6.1
131-11-3	Dimethyl phthalate	3900		200	5.3
84-74-2	Di-n-butyl phthalate	4230		200	70
117-84-0	Di-n-octyl phthalate	4030		200	4.8
206-44-0	Fluoranthene	4190		200	2.9
86-73-7	Fluorene	4050		200	4.7
118-74-1	Hexachlorobenzene	4240		200	10
87-68-3	Hexachlorobutadiene	3190		200	10
77-47-4	Hexachlorocyclopentadiene	2910		200	61
67-72-1	Hexachloroethane	2880		200	16
193-39-5	Indeno(1,2,3-cd)pyrene	4030		200	5.6
78-59-1	Isophorone	4010		200	10
91-20-3	Naphthalene	3680		200	3.4
98-95-3	Nitrobenzene	3460		200	9.0
621-64-7	N-Nitrosodi-n-propylamine	3860		200	16
86-30-6	N-Nitrosodiphenylamine	5120		200	11
87-86-5	Pentachlorophenol	3620		400	70
85-01-8	Phenanthrene	4210		200	4.3
108-95-2	Phenol	3770		200	21
129-00-0	Pyrene	3460		200	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: SB-B1 (5-9) MS Lab Sample ID: 480-9503-6 MS
Matrix: Solid Lab File ID: V5124.D
Analysis Method: 8270C Date Collected: 09/07/2011 07:50
Extract. Method: 3550B Date Extracted: 09/12/2011 11:09
Sample wt/vol: +30.44(g) Date Analyzed: 09/16/2011 14:28
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 18.2 GPC Cleanup: (Y/N) N
Analysis Batch No.: 31527 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	119		39-146
321-60-8	2-Fluorobiphenyl	96		37-120
367-12-4	2-Fluorophenol	89		18-120
4165-60-0	Nitrobenzene-d5	88		34-132
4165-62-2	Phenol-d5	97		11-120
1718-51-0	p-Terphenyl-d14	93		58-147

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5124.D
 Lims ID: 480-9503-E-6-A MS Client ID: SB-B1 (5-9)
 Inject. Date: 16-Sep-2011 14:28:30 Dil. Factor: 1.0000
 Sample Type: MS
 Sample ID: 480-0006006-043
 Misc. Info.: 480-9503-E-6-A MS
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 41
 Lims Batch ID: 31527 Lims Sample ID: 43
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V-8270.m
 Last Update: 19-Sep-2011 08:52:09 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 19-Sep-2011 10:28:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.777	5.777	0.0	95	98810	40.0	
* 2 Naphthalene-d8	136	7.508	7.503	0.005	100	382305	40.0	
* 3 Acenaphthene-d10	164	9.789	9.784	0.005	91	219504	40.0	
* 4 Phenanthrene-d10	188	11.493	11.488	0.005	97	351022	40.0	
* 5 Chrysene-d12	240	13.972	13.961	0.011	96	394343	40.0	
* 6 Perylene-d12	264	15.249	15.244	0.005	97	476757	40.0	
\$ 9 2-Fluorophenol	112	3.891	3.886	0.005	91	414071	133.8	
\$ 10 Phenol-d5	99	5.291	5.286	0.005	96	570662	145.7	
\$ 11 Nitrobenzene-d5	82	6.541	6.541	0.0	88	335908	87.8	
\$ 12 2-Fluorobiphenyl	172	8.935	8.935	0.0	99	672653	95.8	
\$ 13 2,4,6-Tribromophenol	330	10.740	10.735	0.005	93	130591	178.7	
\$ 14 p-Terphenyl-d14	244	13.037	13.037	0.0	97	793330	93.2	
88 Benzaldehyde	77	5.147	5.147	0.0	93	211722	74.5	
89 Phenol	94	5.307	5.302	0.005	90	413539	93.9	
91 Bis(2-chloroethyl)ether	93	5.409	5.409	0.0	96	288421	88.8	
93 2-Chlorophenol	128	5.483	5.483	0.0	97	296698	88.9	
98 2-Methylphenol	108	6.162	6.157	0.005	96	289749	99.6	
99 2,2'-oxybis[1-chloropropane]	45	6.183	6.183	0.0	94	404776	95.0	
104 Acetophenone	105	6.338	6.338	0.0	94	409731	88.3	
101 N-Nitrosodi-n-propylamine	70	6.360	6.354	0.006	83	234722	96.2	
102 4-Methylphenol	108	6.386	6.370	0.016	67	613664	204.2	E
106 Hexachloroethane	117	6.482	6.482	0.0	95	102878	71.8	
107 Nitrobenzene	77	6.568	6.568	0.0	82	329413	86.2	
110 Isophorone	82	6.899	6.899	0.0	97	642526	99.9	
111 2-Nitrophenol	139	7.006	7.006	0.0	93	170533	97.0	
112 2,4-Dimethylphenol	107	7.097	7.091	0.006	96	333256	96.8	
115 Bis(2-chloroethoxy)methane	93	7.209	7.209	0.0	100	355665	96.6	
117 2,4-Dichlorophenol	162	7.337	7.332	0.005	93	264101	98.4	
121 Naphthalene	128	7.535	7.535	0.0	95	861803	91.7	
123 4-Chloroaniline	127	7.615	7.615	0.0	85	340588	87.7	
126 Hexachlorobutadiene	225	7.733	7.733	0.001	94	134645	79.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113	8.069	8.021	0.048	72	118596	120.1	
131 4-Chloro-3-methylphenol	107	8.288	8.277	0.011	88	289192	98.9	
133 2-Methylnaphthalene	142	8.448	8.448	0.0	90	595970	92.2	
136 Hexachlorocyclopentadiene	237	8.673	8.678	-0.005	95	140480	72.4	
139 2,4,6-Trichlorophenol	196	8.828	8.828	0.0	93	186682	99.8	
140 2,4,5-Trichlorophenol	196	8.876	8.870	0.006	94	200305	98.7	
144 1,1'-Biphenyl	154	9.057	9.052	0.005	95	727394	89.5	
143 2-Chloronaphthalene	162	9.073	9.073	0.0	97	555971	92.5	
145 2-Nitroaniline	65	9.207	9.207	0.0	76	195033	101.8	
147 Dimethyl phthalate	163	9.469	9.458	0.011	97	678937	97.2	
148 2,6-Dinitrotoluene	165	9.528	9.522	0.006	75	166640	104.5	
149 Acenaphthylene	152	9.602	9.602	0.0	98	956346	100.9	
150 3-Nitroaniline	138	9.736	9.736	0.0	94	174511	102.2	
151 Acenaphthene	153	9.832	9.827	0.005	94	594646	100.0	
152 2,4-Dinitrophenol	184	9.875	9.869	0.006	68	77516	78.8	
153 4-Nitrophenol	109	9.976	9.971	0.005	92	94497	87.0	
154 2,4-Dinitrotoluene	165	10.040	10.035	0.005	71	220488	101.6	
155 Dibenzofuran	168	10.046	10.046	0.0	91	829779	96.0	
160 Diethyl phthalate	149	10.345	10.345	0.0	97	677240	95.4	
161 Fluorene	166	10.457	10.457	0.0	82	715460	101.0	
162 4-Chlorophenyl phenyl ether	204	10.468	10.462	0.006	91	316262	94.4	
164 4-Nitroaniline	138	10.489	10.484	0.005	54	187021	108.0	
166 4,6-Dinitro-2-methylphenol	198	10.532	10.527	0.006	83	118963	101.1	
167 N-Nitrosodiphenylamine	169	10.607	10.601	0.006	54	599491	127.6	
176 4-Bromophenyl phenyl ether	248	11.018	11.018	0.0	64	186109	108.8	
177 Hexachlorobenzene	284	11.103	11.098	0.005	88	181771	105.6	
180 Atrazine	200	11.210	11.205	0.005	85	203755	122.9	
181 Pentachlorophenol	266	11.312	11.306	0.006	87	100316	90.1	
185 Phenanthrene	178	11.520	11.520	0.0	97	984826	104.8	
188 Anthracene	178	11.574	11.568	0.006	98	1012154	106.8	
189 Carbazole	167	11.739	11.739	0.0	83	941729	106.7	
192 Di-n-butyl phthalate	149	12.097	12.097	0.0	100	1116451	105.4	
197 Fluoranthene	202	12.690	12.690	0.0	98	1054191	104.3	
199 Pyrene	202	12.898	12.898	0.0	96	1072032	86.2	
205 Butyl benzyl phthalate	149	13.459	13.465	-0.006	98	518506	86.2	
208 3,3'-Dichlorobenzidine	252	13.930	13.930	0.0	67	383113	91.7	
210 Bis(2-ethylhexyl) phthalate	149	13.951	13.951	0.0	96	724335	86.9	
209 Benzo[a]anthracene	228	13.962	13.962	0.0	92	1039707	90.4	
211 Chrysene	228	13.994	13.994	0.0	95	1009476	90.5	
212 Di-n-octyl phthalate	149	14.480	14.485	-0.005	100	1294668	100.3	
213 Benzo[b]fluoranthene	252	14.896	14.891	0.005	96	1214622	87.7	
214 Benzo[k]fluoranthene	252	14.918	14.918	0.0	96	1200074	82.6	
217 Benzo[a]pyrene	252	15.201	15.196	0.005	76	1093062	94.1	
219 Indeno[1,2,3-cd]pyrene	276	16.387	16.382	0.005	87	1417743	100.5	
220 Dibenz(a,h)anthracene	278	16.398	16.382	0.016	59	1194508	101.1	
221 Benzo[g,h,i]perylene	276	16.718	16.707	0.011	92	1216595	108.3	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Report Date: 19-Sep-2011 10:28:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973V\20110916-6006.b\V5124.D

Injection Date: 16-Sep-2011 14:28:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31527

Lims Sample ID: 43

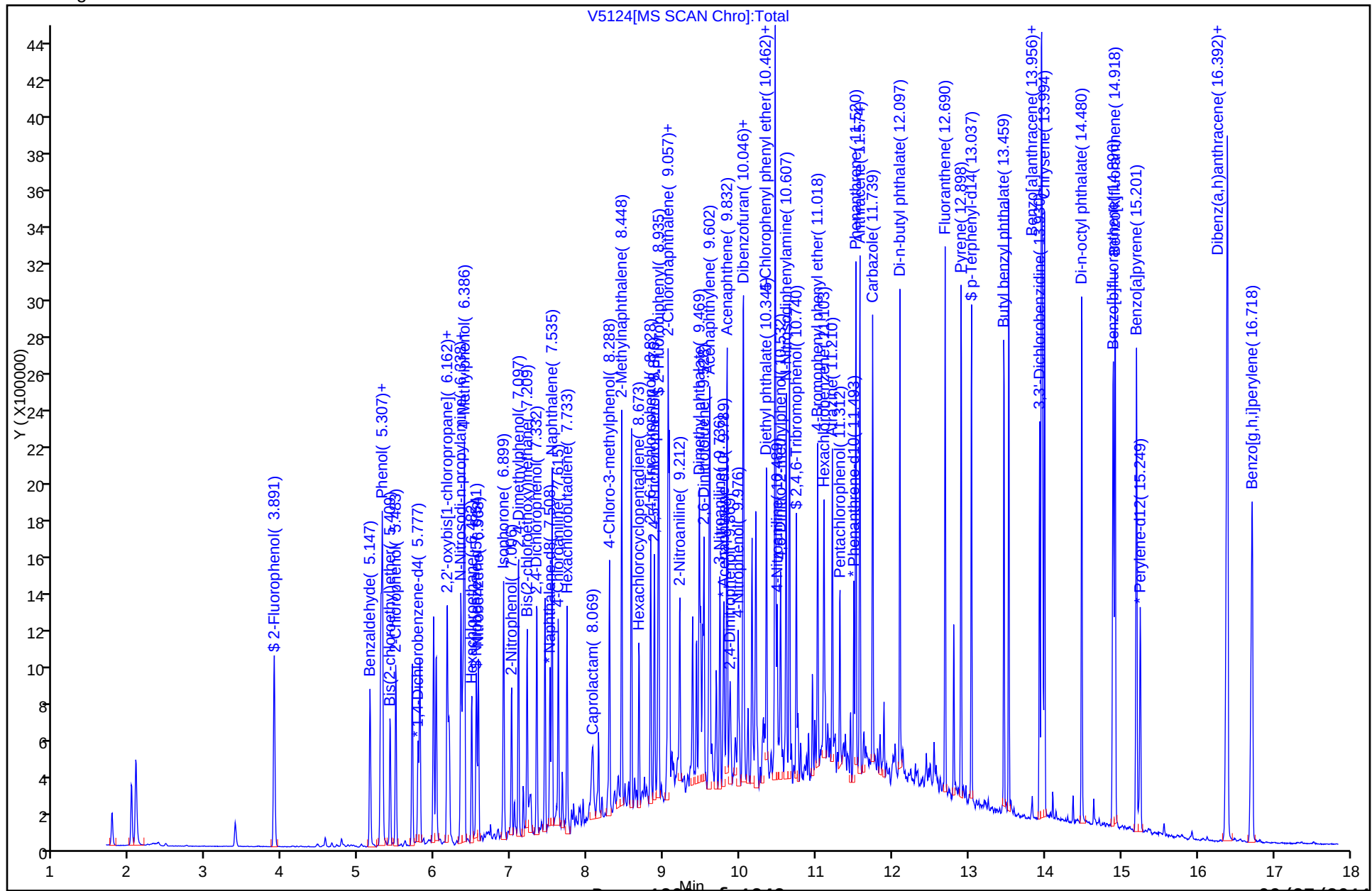
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-B1 (5-9) MSD</u>	Lab Sample ID: <u>480-9503-6 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>V5080.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/07/2011 07:50</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/12/2011 11:09</u>
Sample wt/vol: <u>+30.53(g)</u>	Date Analyzed: <u>09/15/2011 17:06</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>18.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>31329</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	5030		200	44
88-06-2	2,4,6-Trichlorophenol	5070		200	13
120-83-2	2,4-Dichlorophenol	4160		200	11
105-67-9	2,4-Dimethylphenol	3900		200	55
51-28-5	2,4-Dinitrophenol	2490		400	71
121-14-2	2,4-Dinitrotoluene	4320		200	31
606-20-2	2,6-Dinitrotoluene	4800		200	50
91-58-7	2-Chloronaphthalene	4550		200	14
95-57-8	2-Chlorophenol	3720		200	10
91-57-6	2-Methylnaphthalene	4170		200	2.5
95-48-7	2-Methylphenol	4010		200	6.2
88-74-4	2-Nitroaniline	5310		400	65
88-75-5	2-Nitrophenol	4150		200	9.3
91-94-1	3,3'-Dichlorobenzidine	3780		200	180
99-09-2	3-Nitroaniline	4390		400	47
534-52-1	4,6-Dinitro-2-methylphenol	3170		400	70
101-55-3	4-Bromophenyl phenyl ether	4310		200	64
59-50-7	4-Chloro-3-methylphenol	4490		200	8.3
106-47-8	4-Chloroaniline	3710		200	59
7005-72-3	4-Chlorophenyl phenyl ether	3910		200	4.3
106-44-5	4-Methylphenol	7840		400	11
100-01-6	4-Nitroaniline	4640		400	23
100-02-7	4-Nitrophenol	3830		400	49
83-32-9	Acenaphthene	4070		200	2.4
208-96-8	Acenaphthylene	4260		200	1.7
98-86-2	Acetophenone	3470		200	10
120-12-7	Anthracene	4270		200	5.2
1912-24-9	Atrazine	5280		200	9.0
100-52-7	Benzaldehyde	3230		200	22
56-55-3	Benzo(a)anthracene	3750		200	3.5
50-32-8	Benzo(a)pyrene	3900		200	4.9
205-99-2	Benzo(b)fluoranthene	3450		200	3.9
191-24-2	Benzo(g,h,i)perylene	4120		200	2.4
207-08-9	Benzo(k)fluoranthene	3950		200	2.2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-9072-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-B1 (5-9) MSD</u>	Lab Sample ID: <u>480-9503-6 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>V5080.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/07/2011 07:50</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/12/2011 11:09</u>
Sample wt/vol: <u>+30.53(g)</u>	Date Analyzed: <u>09/15/2011 17:06</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>18.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>31329</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	4640		200	13
108-60-1	bis (2-chloroisopropyl) ether	3870		200	21
111-91-1	Bis(2-chloroethoxy)methane	3910		200	11
111-44-4	Bis(2-chloroethyl)ether	3720		200	17
117-81-7	Bis(2-ethylhexyl) phthalate	3740		200	65
85-68-7	Butyl benzyl phthalate	3660		200	54
105-60-2	Caprolactam	5130		200	88
86-74-8	Carbazole	4310		200	2.3
218-01-9	Chrysene	3840		200	2.0
53-70-3	Dibenz(a,h)anthracene	3970		200	2.4
132-64-9	Dibenzofuran	3910		200	2.1
84-66-2	Diethyl phthalate	3940		200	6.1
131-11-3	Dimethyl phthalate	4390		200	5.3
84-74-2	Di-n-butyl phthalate	4330		200	70
117-84-0	Di-n-octyl phthalate	4020		200	4.7
206-44-0	Fluoranthene	4510		200	2.9
86-73-7	Fluorene	4150		200	4.7
118-74-1	Hexachlorobenzene	4110		200	10
87-68-3	Hexachlorobutadiene	3120		200	10
77-47-4	Hexachlorocyclopentadiene	2260		200	61
67-72-1	Hexachloroethane	2680		200	16
193-39-5	Indeno(1,2,3-cd)pyrene	3910		200	5.6
78-59-1	Isophorone	3990		200	10
91-20-3	Naphthalene	3710		200	3.4
98-95-3	Nitrobenzene	3540		200	9.0
621-64-7	N-Nitrosodi-n-propylamine	3710		200	16
86-30-6	N-Nitrosodiphenylamine	5130		200	11
87-86-5	Pentachlorophenol	3700		400	70
85-01-8	Phenanthrene	4220		200	4.3
108-95-2	Phenol	4070		200	21
129-00-0	Pyrene	3570		200	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1
SDG No.: _____
Client Sample ID: SB-B1 (5-9) MSD Lab Sample ID: 480-9503-6 MSD
Matrix: Solid Lab File ID: V5080.D
Analysis Method: 8270C Date Collected: 09/07/2011 07:50
Extract. Method: 3550B Date Extracted: 09/12/2011 11:09
Sample wt/vol: +30.53(g) Date Analyzed: 09/15/2011 17:06
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 18.2 GPC Cleanup: (Y/N) N
Analysis Batch No.: 31329 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	119		39-146
321-60-8	2-Fluorobiphenyl	120		37-120
367-12-4	2-Fluorophenol	117		18-120
4165-60-0	Nitrobenzene-d5	93		34-132
4165-62-2	Phenol-d5	103		11-120
1718-51-0	p-Terphenyl-d14	96		58-147

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5080.D
 Lims ID: 480-9503-E-6-B MSD Client ID: SB-B1 (5-9)
 Inject. Date: 15-Sep-2011 17:06:30 Dil. Factor: 1.0000
 Sample Type: MSD
 Sample ID: 480-0005974-034
 Misc. Info.: 480-9503-E-6-B MSD
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 23
 Lims Batch ID: 31329 Lims Sample ID: 34
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110915-5974.b\V-8270.m
 Last Update: 16-Sep-2011 10:17:31 Calib Date: 08-Sep-2011 10:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110908-5803.b\V4818.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 16-Sep-2011 10:19:46

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.804	5.804	0.0	95	121072	40.0	
* 2 Naphthalene-d8	136	7.529	7.524	0.005	99	446816	40.0	
* 3 Acenaphthene-d10	164	9.811	9.805	0.005	91	234544	40.0	
* 4 Phenanthrene-d10	188	11.515	11.509	0.006	97	386815	40.0	
* 5 Chrysene-d12	240	13.993	13.983	0.010	95	448097	40.0	
* 6 Perylene-d12	264	15.276	15.270	0.006	96	525994	40.0	
\$ 9 2-Fluorophenol	112	3.929	3.923	0.006	93	666101	175.6	
\$ 10 Phenol-d5	99	5.318	5.312	0.006	96	743262	154.8	
\$ 11 Nitrobenzene-d5	82	6.562	6.563	-0.001	88	416160	93.1	
\$ 12 2-Fluorobiphenyl	172	8.956	8.951	0.005	98	902032	120.2	
\$ 13 2,4,6-Tribromophenol	330	10.761	10.756	0.005	92	143376	178.0	
\$ 14 p-Terphenyl-d14	244	13.053	13.053	0.0	97	925377	95.6	
88 Benzaldehyde	77	5.173	5.173	0.0	92	281180	80.8	
89 Phenol	94	5.334	5.328	0.006	88	548380	101.7	
91 Bis(2-chloroethyl)ether	93	5.435	5.435	0.0	97	369973	92.9	
93 2-Chlorophenol	128	5.510	5.510	0.0	97	379688	92.9	
98 2-Methylphenol	108	6.183	6.178	0.005	96	356909	100.1	
99 2,2'-oxybis[1-chloropropane]	45	6.204	6.205	-0.001	94	504557	96.7	
104 Acetophenone	105	6.365	6.359	0.006	96	492404	86.6	
101 N-Nitrosodi-n-propylamine	70	6.381	6.376	0.005	88	277120	92.7	
102 4-Methylphenol	108	6.408	6.392	0.016	67	720985	195.8	E
106 Hexachloroethane	117	6.504	6.504	0.0	97	117514	66.9	
107 Nitrobenzene	77	6.589	6.589	0.0	88	395024	88.4	
110 Isophorone	82	6.920	6.915	0.005	97	749038	99.7	
111 2-Nitrophenol	139	7.027	7.022	0.005	94	213417	103.8	
112 2,4-Dimethylphenol	107	7.118	7.113	0.005	95	392307	97.5	
115 Bis(2-chloroethoxy)methane	93	7.230	7.225	0.005	100	419719	97.6	
117 2,4-Dichlorophenol	162	7.358	7.353	0.005	93	326114	103.9	
121 Naphthalene	128	7.556	7.556	0.0	95	1017507	92.6	
123 4-Chloroaniline	127	7.636	7.636	0.0	85	420111	92.6	
126 Hexachlorobutadiene	225	7.754	7.754	0.0	93	154553	78.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113	8.085	8.042	0.043	72	148367	128.3	
131 4-Chloro-3-methylphenol	107	8.309	8.299	0.010	91	383194	112.1	
133 2-Methylnaphthalene	142	8.470	8.464	0.006	90	786763	104.1	
136 Hexachlorocyclopentadiene	237	8.694	8.694	0.0	88	117181	56.5	
139 2,4,6-Trichlorophenol	196	8.849	8.844	0.005	94	253433	126.8	
140 2,4,5-Trichlorophenol	196	8.897	8.886	0.011	94	272726	125.8	
144 1,1'-Biphenyl	154	9.079	9.073	0.006	95	1007885	116.0	
143 2-Chloronaphthalene	162	9.095	9.089	0.006	94	730273	113.7	
145 2-Nitroaniline	65	9.234	9.228	0.006	84	271634	132.7	
147 Dimethyl phthalate	163	9.485	9.479	0.006	97	818402	109.7	
148 2,6-Dinitrotoluene	165	9.549	9.544	0.005	93	204268	119.9	
149 Acenaphthylene	152	9.624	9.618	0.006	98	1077851	106.4	
150 3-Nitroaniline	138	9.757	9.752	0.005	94	199968	109.6	
151 Acenaphthene	153	9.848	9.843	0.005	94	646604	101.8	
152 2,4-Dinitrophenol	184	9.891	9.885	0.006	68	63971	62.3	
153 4-Nitrophenol	109	9.997	9.987	0.010	92	110880	95.6	
154 2,4-Dinitrotoluene	165	10.056	10.051	0.005	89	250357	108.0	
155 Dibenzofuran	168	10.067	10.062	0.005	91	901889	97.6	
160 Diethyl phthalate	149	10.366	10.361	0.005	98	747691	98.5	
161 Fluorene	166	10.478	10.473	0.005	83	785116	103.7	
162 4-Chlorophenyl phenyl ether	204	10.484	10.484	0.0	82	349583	97.7	
164 4-Nitroaniline	138	10.505	10.500	0.005	46	214437	115.9	
166 4,6-Dinitro-2-methylphenol	198	10.553	10.543	0.010	86	102773	79.3	
167 N-Nitrosodiphenylamine	169	10.623	10.617	0.006	56	663853	128.3	
176 4-Bromophenyl phenyl ether	248	11.039	11.034	0.005	61	202877	107.6	
177 Hexachlorobenzene	284	11.119	11.114	0.005	91	194544	102.6	
180 Atrazine	200	11.232	11.221	0.011	88	233618	131.9	
181 Pentachlorophenol	266	11.328	11.322	0.006	84	113565	92.4	
185 Phenanthrene	178	11.541	11.536	0.005	97	1090978	105.4	
188 Anthracene	178	11.589	11.590	-0.001	98	1115725	106.8	
189 Carbazole	167	11.760	11.755	0.005	82	1047860	107.8	
192 Di-n-butyl phthalate	149	12.113	12.113	0.0	100	1262613	108.1	
197 Fluoranthene	202	12.711	12.706	0.005	98	1256585	112.8	
199 Pyrene	202	12.920	12.914	0.006	97	1260610	89.2	
205 Butyl benzyl phthalate	149	13.481	13.481	0.0	98	625324	91.5	
208 3,3'-Dichlorobenzidine	252	13.951	13.946	0.005	69	447782	94.4	
210 Bis(2-ethylhexyl) phthalate	149	13.972	13.967	0.005	95	885259	93.4	
209 Benzo[a]anthracene	228	13.983	13.978	0.005	94	1222629	93.6	
211 Chrysene	228	14.015	14.010	0.005	95	1215916	96.0	
212 Di-n-octyl phthalate	149	14.501	14.501	0.0	100	1472294	100.4	
213 Benzo[b]fluoranthene	252	14.918	14.912	0.006	94	1315247	86.1	
214 Benzo[k]fluoranthene	252	14.944	14.934	0.010	96	1581686	98.7	
217 Benzo[a]pyrene	252	15.228	15.217	0.011	76	1250390	97.5	
219 Indeno[1,2,3-cd]pyrene	276	16.424	16.408	0.016	88	1521730	97.7	
220 Dibenz(a,h)anthracene	278	16.430	16.408	0.022	60	1294237	99.3	
221 Benzo[g,h,i]perylene	276	16.755	16.734	0.021	92	1275374	102.9	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Report Date: 16-Sep-2011 10:19:46

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File:

\\Bufchrom\ChromData\HP5973V\20110915-5974.b\V5080.D

Injection Date: 15-Sep-2011 17:06:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B1 (5-9)

Instrument ID: HP5973V

Lims Batch ID: 31329

Lims Sample ID: 34

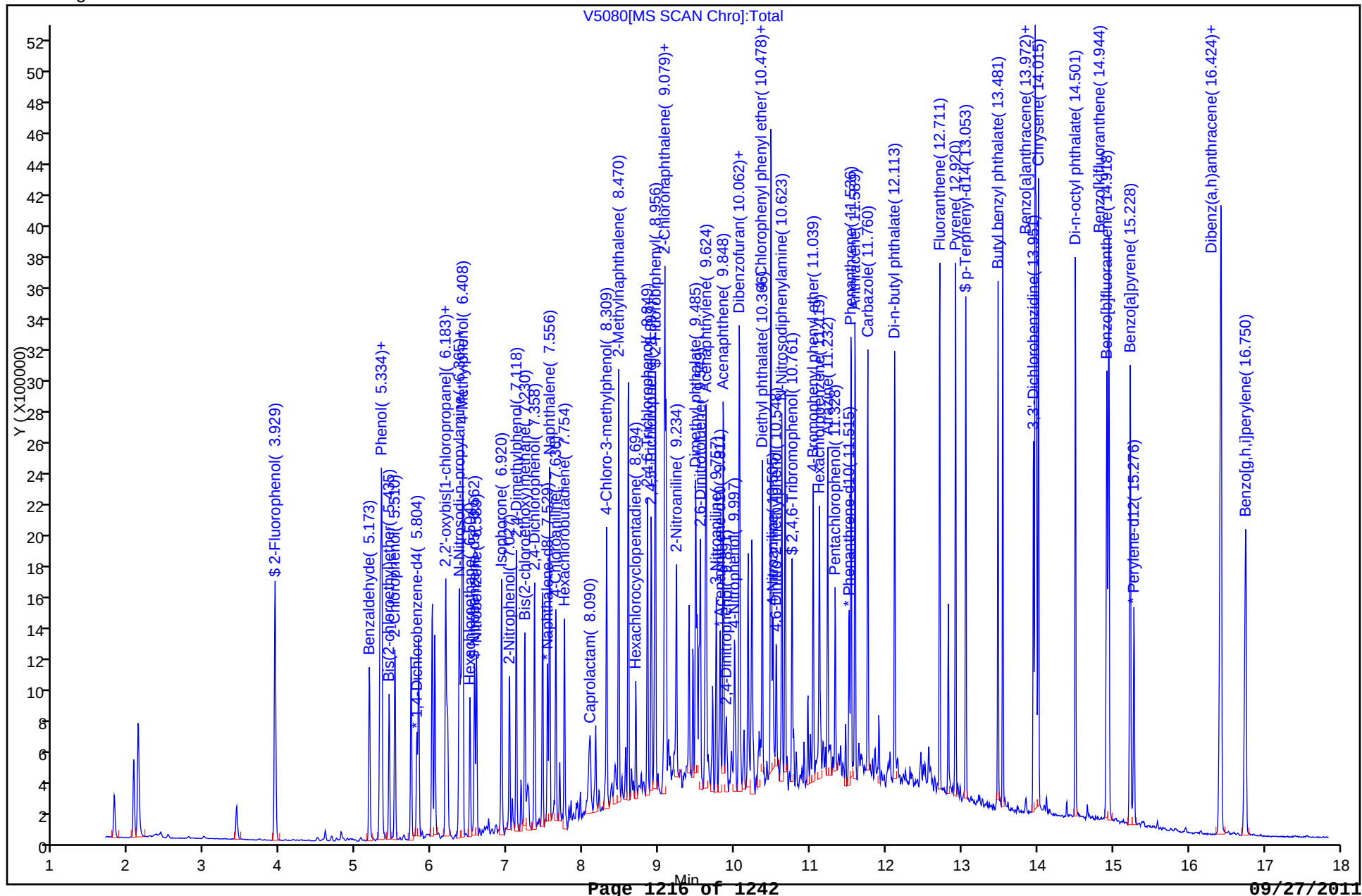
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Instrument ID: HP5973V Start Date: 09/02/2011 07:48Analysis Batch Number: 29958 End Date: 09/02/2011 16:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-29958/1		09/02/2011 07:48	1	V4594.D	RXI-5Sil MS 0.25 (mm)
IC 480-29958/2		09/02/2011 11:01	1		RXI-5Sil MS 0.25 (mm)
IC 480-29958/3		09/02/2011 11:24	1		RXI-5Sil MS 0.25 (mm)
IC 480-29958/4		09/02/2011 11:48	1		RXI-5Sil MS 0.25 (mm)
ICIS 480-29958/5		09/02/2011 12:12	1		RXI-5Sil MS 0.25 (mm)
IC 480-29958/6		09/02/2011 12:36	1		RXI-5Sil MS 0.25 (mm)
IC 480-29958/7		09/02/2011 13:00	1		RXI-5Sil MS 0.25 (mm)
IC 480-29958/8		09/02/2011 13:24	1	V4608.D	RXI-5Sil MS 0.25 (mm)
IC 480-29958/9		09/02/2011 13:47	1	V4609.D	RXI-5Sil MS 0.25 (mm)
IC 480-29958/10		09/02/2011 14:11	1	V4610.D	RXI-5Sil MS 0.25 (mm)
IC 480-29958/11		09/02/2011 14:35	1	V4611.D	RXI-5Sil MS 0.25 (mm)
IC 480-29958/12		09/02/2011 14:59	1	V4612.D	RXI-5Sil MS 0.25 (mm)
IC 480-29958/13		09/02/2011 15:23	1	V4613.D	RXI-5Sil MS 0.25 (mm)
ICV 480-29958/14		09/02/2011 15:47	1		RXI-5Sil MS 0.25 (mm)
ICVL 480-29958/15		09/02/2011 16:10	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Instrument ID: HP5973V Start Date: 09/08/2011 07:04Analysis Batch Number: 30376 End Date: 09/08/2011 11:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-30376/1		09/08/2011 07:04	1	V4809.D	RXI-5Sil MS 0.25 (mm)
IC 480-30376/2		09/08/2011 08:42	1	V4813.D	RXI-5Sil MS 0.25 (mm)
IC 480-30376/3		09/08/2011 09:06	1	V4814.D	RXI-5Sil MS 0.25 (mm)
IC 480-30376/28		09/08/2011 09:30	1	V4815.D	RXI-5Sil MS 0.25 (mm)
ICIS 480-30376/29		09/08/2011 09:54	1	V4816.D	RXI-5Sil MS 0.25 (mm)
IC 480-30376/30		09/08/2011 10:18	1	V4817.D	RXI-5Sil MS 0.25 (mm)
IC 480-30376/31		09/08/2011 10:41	1	V4818.D	RXI-5Sil MS 0.25 (mm)
ICV 480-30376/32		09/08/2011 11:05	1		RXI-5Sil MS 0.25 (mm)
ICVL 480-30376/33		09/08/2011 11:29	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-9072-1

SDG No.: _____

Instrument ID: HP5973VStart Date: 09/12/2011 07:18Analysis Batch Number: 30771End Date: 09/12/2011 16:41

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTTP 480-30771/1		09/12/2011 07:18	1	V4913.D	RXI-5Sil MS 0.25 (mm)
CCVIS 480-30771/2		09/12/2011 07:34	1	V4914.D	RXI-5Sil MS 0.25 (mm)
CCV 480-30771/3		09/12/2011 07:58	1	V4915.D	RXI-5Sil MS 0.25 (mm)
MB 480-30582/1-A		09/12/2011 08:21	1	V4916.D	RXI-5Sil MS 0.25 (mm)
LCS 480-30582/2-A		09/12/2011 08:45	1	V4917.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/12/2011 09:09	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/12/2011 09:33	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/12/2011 09:56	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/12/2011 10:20	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/12/2011 10:44	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/12/2011 11:08	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/12/2011 11:32	10		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/12/2011 11:55	1		RXI-5Sil MS 0.25 (mm)
480-9503-1	SB-C3 (5-8)	09/12/2011 12:19	1	V4926.D	RXI-5Sil MS 0.25 (mm)
480-9503-2	SB-C6 (5-6)	09/12/2011 12:43	1	V4927.D	RXI-5Sil MS 0.25 (mm)
480-9503-3	SB-C8 (3-4)	09/12/2011 13:07	1	V4928.D	RXI-5Sil MS 0.25 (mm)
480-9503-4	SB-C1 (5-8)	09/12/2011 13:30	1	V4929.D	RXI-5Sil MS 0.25 (mm)
480-9503-5	DUP-01	09/12/2011 13:54	1	V4930.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/12/2011 14:18	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/12/2011 14:42	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/12/2011 15:05	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/12/2011 15:29	10		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/12/2011 15:53	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/12/2011 16:17	10		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/12/2011 16:41	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-9072-1

SDG No.: _____

Instrument ID: HP5973VStart Date: 09/13/2011 07:20Analysis Batch Number: 30945End Date: 09/14/2011 02:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTTP 480-30945/1		09/13/2011 07:20	1	V4957.D	RXI-5Si1 MS 0.25 (mm)
CCVIS 480-30945/2		09/13/2011 07:36	1	V4958.D	RXI-5Si1 MS 0.25 (mm)
CCV 480-30945/3		09/13/2011 07:59	1	V4959.D	RXI-5Si1 MS 0.25 (mm)
MB 480-30841/1-A		09/13/2011 08:23	1	V4960.D	RXI-5Si1 MS 0.25 (mm)
LCS 480-30841/2-A		09/13/2011 08:47	1	V4961.D	RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 09:10	5		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 09:34	5		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 09:58	10		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 10:45	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 11:09	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 11:32	1000		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 11:56	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 12:20	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 12:44	5		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 13:07	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 13:31	20		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 13:55	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 14:19	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 14:42	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 15:06	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 15:30	20		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 15:54	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 16:17	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 16:41	10		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 17:05	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 17:28	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 17:52	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 18:16	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 18:40	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 19:03	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 20:38	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 21:02	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 21:25	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 21:49	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 22:13	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 22:36	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 23:00	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 23:24	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/13/2011 23:47	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/14/2011 00:11	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/14/2011 00:35	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/14/2011 00:58	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/14/2011 01:22	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/14/2011 01:46	1		RXI-5Si1 MS 0.25 (mm)
ZZZZZ		09/14/2011 02:09	1		RXI-5Si1 MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-9072-1

SDG No.: _____

Instrument ID: HP5973VStart Date: 09/15/2011 07:21Analysis Batch Number: 31329End Date: 09/15/2011 19:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-31329/1		09/15/2011 07:21	1	V5055.D	RXI-5Sil MS 0.25 (mm)
CCVIS 480-31329/2		09/15/2011 07:36	1	V5056.D	RXI-5Sil MS 0.25 (mm)
CCV 480-31329/3		09/15/2011 08:00	1	V5057.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2011 08:24	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2011 08:47	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2011 09:11	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2011 09:35	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2011 09:59	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2011 10:22	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2011 10:46	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2011 11:10	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2011 11:34	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2011 11:57	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2011 12:21	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2011 12:45	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2011 13:08	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2011 13:32	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2011 13:56	5		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2011 14:20	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2011 14:43	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2011 15:07	5		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2011 15:31	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2011 15:55	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2011 16:18	1		RXI-5Sil MS 0.25 (mm)
480-9503-6 MSD	SB-B1 (5-9) MSD	09/15/2011 17:06	1	V5080.D	RXI-5Sil MS 0.25 (mm)
480-9503-6	SB-B1 (5-9)	09/15/2011 17:29	1	V5081.D	RXI-5Sil MS 0.25 (mm)
480-9503-8	DUP-02	09/15/2011 18:17	5	V5083.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2011 19:04	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-9072-1

SDG No.: _____

Instrument ID: HP5973VStart Date: 09/16/2011 07:42Analysis Batch Number: 31527End Date: 09/16/2011 19:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-31527/1		09/16/2011 07:42	1	V5107.D	RXI-5Sil MS 0.25 (mm)
CCVIS 480-31527/2		09/16/2011 08:09	1	V5108.D	RXI-5Sil MS 0.25 (mm)
CCV 480-31527/3		09/16/2011 08:33	1	V5109.D	RXI-5Sil MS 0.25 (mm)
CCV 480-31527/42		09/16/2011 08:56	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2011 09:20	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2011 09:44	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2011 10:07	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2011 10:31	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2011 10:55	50		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2011 11:19	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2011 11:42	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2011 12:06	5		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2011 12:30	20		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2011 12:53	20		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2011 13:17	10		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2011 13:41	25		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2011 14:04	1		RXI-5Sil MS 0.25 (mm)
480-9503-6 MS	SB-B1 (5-9) MS	09/16/2011 14:28	1	V5124.D	RXI-5Sil MS 0.25 (mm)
480-9503-7	SB-B2 (3-4)	09/16/2011 14:52	1	V5125.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2011 15:15	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2011 15:39	5		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2011 16:26	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2011 16:50	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2011 17:14	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2011 17:37	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2011 18:01	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2011 18:25	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2011 18:48	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2011 19:12	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2011 19:36	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Instrument ID: HP5973W Start Date: 09/07/2011 11:22Analysis Batch Number: 30276 End Date: 09/07/2011 20:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTTP 480-30276/1		09/07/2011 11:22	1	W4781.D	RXI-5Sil MS 0.25 (mm)
IC 480-30276/2		09/07/2011 12:10	1	W4782.D	RXI-5Sil MS 0.25 (mm)
IC 480-30276/3		09/07/2011 13:06	1	W4783.D	RXI-5Sil MS 0.25 (mm)
IC 480-30276/4		09/07/2011 13:29	1	W4784.D	RXI-5Sil MS 0.25 (mm)
ICIS 480-30276/5		09/07/2011 13:53	1	W4785.D	RXI-5Sil MS 0.25 (mm)
IC 480-30276/6		09/07/2011 14:16	1	W4786.D	RXI-5Sil MS 0.25 (mm)
IC 480-30276/7		09/07/2011 14:40	1	W4787.D	RXI-5Sil MS 0.25 (mm)
IC 480-30276/8		09/07/2011 15:03	1	W4788.D	RXI-5Sil MS 0.25 (mm)
IC 480-30276/9		09/07/2011 15:27	1	W4789.D	RXI-5Sil MS 0.25 (mm)
IC 480-30276/10		09/07/2011 15:50	1	W4790.D	RXI-5Sil MS 0.25 (mm)
IC 480-30276/11		09/07/2011 16:14	1	W4791.D	RXI-5Sil MS 0.25 (mm)
IC 480-30276/12		09/07/2011 16:37	1	W4792.D	RXI-5Sil MS 0.25 (mm)
IC 480-30276/13		09/07/2011 17:01	1	W4793.D	RXI-5Sil MS 0.25 (mm)
ICV 480-30276/25		09/07/2011 19:45	1		RXI-5Sil MS 0.25 (mm)
ICVL 480-30276/26		09/07/2011 20:09	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Instrument ID: HP5973W Start Date: 09/08/2011 10:40Analysis Batch Number: 30456 End Date: 09/08/2011 20:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-30456/1		09/08/2011 10:40	1	W4834.D	RXI-5Sil MS 0.25 (mm)
CCVIS 480-30456/2		09/08/2011 11:34	1	W4835.D	RXI-5Sil MS 0.25 (mm)
CCV 480-30456/3		09/08/2011 11:57	1	W4836.D	RXI-5Sil MS 0.25 (mm)
MB 480-29814/1-A		09/08/2011 12:21	1	W4837.D	RXI-5Sil MS 0.25 (mm)
LCS 480-29814/2-A		09/08/2011 12:49	1	W4838.D	RXI-5Sil MS 0.25 (mm)
480-9072-1	SB-B4 (5-8)	09/08/2011 13:13	5	W4839.D	RXI-5Sil MS 0.25 (mm)
480-9072-2	SB-B5 (5-9)	09/08/2011 13:36	1	W4840.D	RXI-5Sil MS 0.25 (mm)
480-9072-3	SB-B6 (5-9)	09/08/2011 14:00	1	W4841.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/08/2011 15:34	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/08/2011 15:57	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/08/2011 16:21	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/08/2011 16:44	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/08/2011 17:08	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/08/2011 17:31	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/08/2011 17:55	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/08/2011 18:18	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/08/2011 18:42	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/08/2011 19:05	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/08/2011 19:29	10		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/08/2011 19:52	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/08/2011 20:16	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/08/2011 20:39	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Batch Number: 29814 Batch Start Date: 09/01/11 13:26 Batch Analyst: Evers, DavidBatch Method: 3550B Batch End Date: 09/01/11 23:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	O_8270625surr 00001	O_8270full#1 00009	O_8270full#2 00008	
MB 480-29814/1		3550B, 8270C		+30.05 g	1 mL	1 mL			
LCS 480-29814/2		3550B, 8270C		+30.52 g	1 mL	1 mL	1 mL	1 mL	
480-9072-E-1	SB-B4 (5-8)	3550B, 8270C	T	+30.23 g	1 mL	1 mL			
480-9072-E-2	SB-B5 (5-9)	3550B, 8270C	T	+30.74 g	1 mL	1 mL			
480-9072-E-3	SB-B6 (5-9)	3550B, 8270C	T	+30.20 g	1 mL	1 mL			

Batch Notes	
Balance ID	40029
Person's name who did the concentration	DLE
Filter Paper Lot Number	+H3512832014326
Final Concentrator Volume	1 mL
Na2SO4 Lot Number	27861003
Nominal Amount Used	30 g
Prep Solvent Lot #	K26E11
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	300 mL
Person's name who witnessed reagent drop	DLE

Basis	Basis Description
T	Total/NA

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Batch Number: 30582 Batch Start Date: 09/09/11 09:45 Batch Analyst: Boyd, Matthew RBatch Method: 3550B Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	O_8270625surr 00001	O_8270full#1 00009	O_8270full#2 00008	
MB 480-30582/1		3550B, 8270C		+30.86 g	1 mL	1 mL			
LCS 480-30582/2		3550B, 8270C		+30.62 g	1 mL	1 mL	1 mL	1 mL	
480-9503-E-1	SB-C3 (5-8)	3550B, 8270C	T	+30.79 g	1 mL	1 mL			
480-9503-E-2	SB-C6 (5-6)	3550B, 8270C	T	+30.26 g	1 mL	1 mL			
480-9503-E-3	SB-C8 (3-4)	3550B, 8270C	T	+30.62 g	1 mL	1 mL			
480-9503-E-4	SB-C1 (5-8)	3550B, 8270C	T	+30.76 g	1 mL	1 mL			
480-9503-E-5	DUP-01	3550B, 8270C	T	+30.42 g	1 mL	1 mL			

Batch Notes	
Balance ID	40029
Person's name who did the concentration	CM
Na2SO4 Lot Number	27861003
Nominal Amount Used	30 g
Prep Solvent Lot #	K26E11
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	300 mL
Person's name who witnessed reagent drop	CM

Basis	Basis Description
T	Total/NA

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Batch Number: 30841 Batch Start Date: 09/12/11 11:09 Batch Analyst: Boyd, Matthew RBatch Method: 3550B Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	O_8270625surr 00001	O_8270full#1 00009	O_8270full#2 00008	
MB 480-30841/1		3550B, 8270C		+30.37 g	1 mL	1 mL			
LCS 480-30841/2		3550B, 8270C		+30.58 g	1 mL	1 mL	1 mL	1 mL	
480-9503-E-6 MS	SB-B1 (5-9)	3550B, 8270C	T	+30.44 g	1 mL	1 mL	1 mL	1 mL	
480-9503-E-6 MSD	SB-B1 (5-9)	3550B, 8270C	T	+30.53 g	1 mL	1 mL	1 mL	1 mL	
480-9503-E-6	SB-B1 (5-9)	3550B, 8270C	T	+30.63 g	1 mL	1 mL			
480-9503-E-7	SB-B2 (3-4)	3550B, 8270C	T	+30.32 g	10 mL	1 mL			
480-9503-E-8	DUP-02	3550B, 8270C	T	+30.41 g	1 mL	1 mL			

Batch Notes	
Balance ID	40029
Person's name who did the concentration	MRB
Na2SO4 Lot Number	27861003
Nominal Amount Used	30 g
Prep Solvent Lot #	K26E11
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	300 mL
Person's name who witnessed reagent drop	CM/MRB

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-9072-1

SDG No.: _____

Project: ALCO-Maxon Site

Client Sample ID	Lab Sample ID
SB-B4 (5-8)	480-9072-1
SB-B5 (5-9)	480-9072-2
SB-B6 (5-9)	480-9072-3
SB-C3 (5-8)	480-9503-1
SB-C6 (5-6)	480-9503-2
SB-C8 (3-4)	480-9503-3
SB-C1 (5-8)	480-9503-4
DUP-01	480-9503-5
SB-B1 (5-9)	480-9503-6
SB-B2 (3-4)	480-9503-7
DUP-02	480-9503-8

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-9072-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture RL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-9072-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture XRL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/30/2011 14:43 End Date: 08/30/2011 14:43

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/30/2011 14:43 End Date: 08/30/2011 14:43

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
ZZZZZZ			14:43																		
ZZZZZZ			14:43																		
ZZZZZZ			14:43																		
ZZZZZZ			14:43																		
ZZZZZZ			14:43																		
ZZZZZZ			14:43																		
ZZZZZZ			14:43																		
480-9072-1	1	T	14:43	X	X																
480-9072-2	1	T	14:43	X	X																
480-9072-3	1	T	14:43	X	X																
ZZZZZZ			14:43																		
ZZZZZZ			14:43																		
ZZZZZZ			14:43																		
ZZZZZZ			14:43																		
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ZZZZZZ			14:43																		
ZZZZZZ			14:43																		
ZZZZZZ			14:43																		

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/12/2011 17:37 End Date: 09/12/2011 17:37

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/12/2011 17:37 End Date: 09/12/2011 17:37

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
ZZZZZZ			17:37																		
ZZZZZZ			17:37																		
ZZZZZZ			17:37																		
480-9503-1	1	T	17:37	X	X																
480-9503-2	1	T	17:37	X	X																
480-9503-3	1	T	17:37	X	X																
480-9503-4	1	T	17:37	X	X																
480-9503-5	1	T	17:37	X	X																
480-9503-6	1	T	17:37	X	X																
480-9503-6 MS	1	T	17:37	X	X																
480-9503-6 MSD	1	T	17:37	X	X																
480-9503-7	1	T	17:37	X	X																
480-9503-8	1	T	17:37	X	X																

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Batch Number: 29473 Batch Start Date: 08/30/11 14:43 Batch Analyst: Robitaille, Zach LBatch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
480-9072-A-1	SB-B4 (5-8)	Moisture	T	B49	4.45 g	13.89 g	13.19 g		
480-9072-A-2	SB-B5 (5-9)	Moisture	T	B50	4.45 g	12.46 g	11.53 g		
480-9072-A-3	SB-B6 (5-9)	Moisture	T	B51	4.45 g	15.04 g	13.17 g		

Batch Notes	
Batch Comment	pp-bsl-03 4.45
Date samples were placed in the oven	08/30/11
Time samples were place in the oven	1443

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-9072-1

SDG No.: _____

Batch Number: 30917 Batch Start Date: 09/12/11 17:37 Batch Analyst: Kinecki, KennethBatch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
480-9503-A-1	SB-C3 (5-8)	Moisture	T	46	4.45 g	17.20 g	15.21 g		
480-9503-A-2	SB-C6 (5-6)	Moisture	T	47	4.45 g	15.62 g	14.07 g		
480-9503-A-3	SB-C8 (3-4)	Moisture	T	48	4.45 g	15.98 g	14.99 g		
480-9503-A-4	SB-C1 (5-8)	Moisture	T	49	4.45 g	16.80 g	14.54 g		
480-9503-A-5	DUP-01	Moisture	T	50	4.45 g	18.18 g	16.09 g		
480-9503-A-6	SB-B1 (5-9)	Moisture	T	51	4.45 g	19.49 g	16.76 g		
480-9503-A-6 MS	SB-B1 (5-9)	Moisture	T	51	4.45 g	19.49 g	16.76 g		
480-9503-A-6 MSD	SB-B1 (5-9)	Moisture	T	51	4.45 g	19.49 g	16.76 g		
480-9503-A-7	SB-B2 (3-4)	Moisture	T	52	4.45 g	17.70 g	15.38 g		
480-9503-A-8	DUP-02	Moisture	T	53	4.45 g	16.60 g	14.74 g		

Batch Notes	
Batch Comment	pp-bsl-03 4.45
Date samples were placed in the oven	9/12/11
Time samples were place in the oven	1700

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

Chain of Custody Record

THE LEADER IN ENVIRONMENTAL TESTING

Drinking Water? Yes ☐ No ☒[illegible]

DISTRIBUTION: WATKINS - Returned to Client with Report: CANARY - Stays with the Settlers: FIVE - Family 12/11

Login Sample Receipt Checklist

Client: CHA Inc

Job Number: 480-9072-1

Login Number: 9072

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wienke, Robert

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	CHA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: CHA Inc

Job Number: 480-9072-1

Login Number: 9503

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wienke, Robert

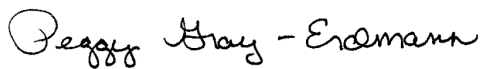
Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	CHA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

Job Number: 480-10088-1

Job Description: ALCO-Maxon Site

For:
CHA Inc
111 Winner Circle
PO BOX 5269
Albany, NY 12205-0269
Attention: Ms. Sarah Newell



Approved for release.
Peggy Gray-Erdmann
Project Manager II
10/3/2011 4:09 PM

Peggy Gray-Erdmann
Project Manager II
peggy.gray-erdmann@testamericainc.com
10/03/2011

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report.

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Job Narrative
480-10088-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: The following samples were diluted due to the abundance of target analytes: (480-10088-1 MS), (480-10088-1 MSD), SB-B3 (5-9) (480-10088-1). Elevated reporting limits (RLs) are provided.

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 32474 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8270C: The method blank for preparation batch 480-32537 contained Di-n-butyl phthalate above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No other analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Instrument ID: HP5973F Analysis Batch Number: 29632Lab Sample ID: STD10 480-29632/15 IC Client Sample ID: _____Date Analyzed: 08/31/11 20:01 Lab File ID: F3641.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chlorobenzotrifluoride	8.44	Wrong peak	quirkp	09/01/11 09:33

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Instrument ID: HP5973F Analysis Batch Number: 29774Lab Sample ID: STD1 480-29774/3 IC Client Sample ID: _____Date Analyzed: 09/01/11 13:30 Lab File ID: F3647.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.64	Missed Peak	quirkp	09/01/11 15:38
Chloroethane	2.73	Missed Peak	quirkp	09/01/11 15:38
1,1-Dichloroethane	4.29	Missed Peak	quirkp	09/01/11 15:38
1,1,1,2-Tetrachloroethane	8.62	Missed Peak	quirkp	09/01/11 15:38
1,2-Dibromo-3-Chloropropane	11.85	Missed Peak	quirkp	09/01/11 15:38

Lab Sample ID: STD2 480-29774/4 IC Client Sample ID: _____Date Analyzed: 09/01/11 13:56 Lab File ID: F3648.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,2-Dichloropropane	4.74	Missed Peak	quirkp	09/01/11 15:39

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Instrument ID: HP5973S Analysis Batch Number: 32019Lab Sample ID: STD 480-32019/3 IC Client Sample ID: _____Date Analyzed: 09/20/11 14:39 Lab File ID: S6121.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	1.76	Assign Peak	coderd	09/21/11 09:26

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Instrument ID: HP5973U Analysis Batch Number: 31234Lab Sample ID: IC 480-31234/7 Client Sample ID: _____Date Analyzed: 09/14/11 16:59 Lab File ID: U4144.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	2.16	Peak Tail	mckernar	09/14/11 17:58

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Instrument ID: HP5973U Analysis Batch Number: 32612Lab Sample ID: CCVIS 480-32612/2 Client Sample ID: _____Date Analyzed: 09/23/11 12:56 Lab File ID: U4499.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol	5.35	Split Peak	mckernar	09/23/11 13:18

Lab Sample ID: MB 480-32474/1-A Client Sample ID: _____Date Analyzed: 09/23/11 13:43 Lab File ID: U4501.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Biphenyl	9.05	Assign Peak	mckernar	09/23/11 14:27

Lab Sample ID: LCS 480-32474/2-A Client Sample ID: _____Date Analyzed: 09/23/11 14:07 Lab File ID: U4502.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol	5.35	Split Peak	mckernar	09/23/11 14:49

Lab Sample ID: 480-10088-2 Client Sample ID: SB-C2 (5-7)Date Analyzed: 09/23/11 15:59 Lab File ID: U4506.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(b) fluoranthene	14.87	Coelution	mckernar	09/26/11 09:32
Benzo(k) fluoranthene	14.88	Coelution	mckernar	09/26/11 09:32

Lab Sample ID: 480-10088-3 Client Sample ID: SB-C5 (5-9)Date Analyzed: 09/23/11 16:23 Lab File ID: U4507.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(b) fluoranthene	14.86	Coelution	mckernar	09/26/11 09:34
Benzo(k) fluoranthene	14.88	Coelution	mckernar	09/26/11 09:34

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Instrument ID: HP5973U Analysis Batch Number: 32612Lab Sample ID: 480-10088-4 Client Sample ID: SB-C7 (5-9)Date Analyzed: 09/23/11 16:46 Lab File ID: U4508.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(k)fluoranthene	14.89	Assign Peak	mckernar	09/26/11 09:37

Lab Sample ID: 480-10088-5 Client Sample ID: MW-53 (5-8)Date Analyzed: 09/23/11 17:10 Lab File ID: U4509.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(k)fluoranthene	14.89	Assign Peak	mckernar	09/26/11 09:39

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Instrument ID: HP5973U Analysis Batch Number: 32845Lab Sample ID: 480-10088-1 Client Sample ID: SB-B3 (5-9)Date Analyzed: 09/26/11 15:47 Lab File ID: U4531.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo (b) fluoranthene	14.87	Coelution	mckernar	09/26/11 17:05
Benzo (k) fluoranthene	14.89	Coelution	mckernar	09/26/11 17:05

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Instrument ID: HP5973X Analysis Batch Number: 30575Lab Sample ID: IC 480-30575/39 Client Sample ID: _____Date Analyzed: 09/09/11 12:43 Lab File ID: X7701.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol	4.76	Split Peak	pagem	09/12/11 07:06

Lab Sample ID: IC 480-30575/40 Client Sample ID: _____Date Analyzed: 09/09/11 13:06 Lab File ID: X7702.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol	4.75	Split Peak	pagem	09/12/11 07:08

Lab Sample ID: IC 480-30575/41 Client Sample ID: _____Date Analyzed: 09/09/11 13:29 Lab File ID: X7703.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol	4.75	Split Peak	pagem	09/12/11 07:09

Lab Sample ID: ICIS 480-30575/42 Client Sample ID: _____Date Analyzed: 09/09/11 13:52 Lab File ID: X7704.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aniline	4.68	Split Peak	pagem	09/12/11 07:04
Phenol	4.74	Split Peak	pagem	09/12/11 07:04

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Instrument ID: HP5973X Analysis Batch Number: 30575Lab Sample ID: IC 480-30575/43 Client Sample ID: _____Date Analyzed: 09/09/11 14:14 Lab File ID: X7705.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	1.44	Split Peak	pagem	09/12/11 07:11
Phenol	4.74	Split Peak	pagem	09/12/11 07:11
Pentachlorophenol	10.26	Split Peak	pagem	09/12/11 07:11

Lab Sample ID: IC 480-30575/44 Client Sample ID: _____Date Analyzed: 09/09/11 14:37 Lab File ID: X7706.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	1.46	Split Peak	pagem	09/12/11 07:13
Aniline	4.69	Split Peak	pagem	09/12/11 07:13
Phenol	4.74	Split Peak	pagem	09/12/11 07:13
Pentachlorophenol	10.27	Peak Tail	pagem	09/12/11 07:13

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Instrument ID: HP5973X Analysis Batch Number: 32985Lab Sample ID: CCVIS 480-32985/2 Client Sample ID: _____Date Analyzed: 09/27/11 11:17 Lab File ID: X8403.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol	4.34	Split Peak	pagem	09/27/11 12:28

Lab Sample ID: LCS 480-32537/2-A Client Sample ID: _____Date Analyzed: 09/27/11 18:43 Lab File ID: X8422.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol	4.34	Split Peak	pagem	09/29/11 13:42
Caprolactam	6.88	Split Peak	pagem	09/29/11 13:42

Lab Sample ID: LCSD 480-32537/3-A Client Sample ID: _____Date Analyzed: 09/27/11 19:06 Lab File ID: X8423.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol	4.34	Split Peak	pagem	09/29/11 13:44
Caprolactam	6.87	Split Peak	pagem	09/29/11 13:44

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Instrument ID: HP5973X Analysis Batch Number: 33187Lab Sample ID: CCVIS 480-33187/2 Client Sample ID: _____Date Analyzed: 09/28/11 10:50 Lab File ID: X8460.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol	4.31	Split Peak	pagem	09/28/11 11:46

SAMPLE SUMMARY

Client: CHA Inc

Job Number: 480-10088-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-10088-1	SB-B3 (5-9)	Solid	09/19/2011 1250	09/21/2011 1000
480-10088-2	SB-C2 (5-7)	Solid	09/19/2011 1000	09/21/2011 1000
480-10088-3	SB-C5 (5-9)	Solid	09/19/2011 0815	09/21/2011 1000
480-10088-4	SB-C7 (5-9)	Solid	09/19/2011 1125	09/21/2011 1000
480-10088-5	MW-53 (5-8)	Solid	09/19/2011 1305	09/21/2011 1000
480-10088-6EB	EB	Water	09/19/2011 1330	09/21/2011 1000
480-10088-7TB	TRIP BLANK	Water	09/19/2011 0000	09/21/2011 1000

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-10088-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-10088-1	SB-B3 (5-9)					
Acetone		11	J	27	ug/Kg	8260B
Trichloroethene		1.8	J	5.5	ug/Kg	8260B
2-Methylnaphthalene		55	J	400	ug/Kg	8270C
Acenaphthene		86	J	400	ug/Kg	8270C
Acenaphthylene		68	J	400	ug/Kg	8270C
Anthracene		360	J	400	ug/Kg	8270C
Benzo(a)anthracene		3800		400	ug/Kg	8270C
Benzo(a)pyrene		3900		400	ug/Kg	8270C
Benzo(b)fluoranthene		5600		400	ug/Kg	8270C
Benzo(g,h,i)perylene		3500		400	ug/Kg	8270C
Benzo(k)fluoranthene		2400		400	ug/Kg	8270C
Carbazole		230	J	400	ug/Kg	8270C
Chrysene		5000		400	ug/Kg	8270C
Dibenzofuran		47	J	400	ug/Kg	8270C
Diethyl phthalate		18	J	400	ug/Kg	8270C
Fluoranthene		5700		400	ug/Kg	8270C
Fluorene		64	J	400	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		2700		400	ug/Kg	8270C
Naphthalene		78	J	400	ug/Kg	8270C
Phenanthrene		1700		400	ug/Kg	8270C
Pyrene		5800		400	ug/Kg	8270C
Percent Moisture		16		0.10	%	Moisture
Percent Solids		84		0.10	%	Moisture
480-10088-2	SB-C2 (5-7)					
2-Methylnaphthalene		26	J	200	ug/Kg	8270C
Acenaphthylene		7.7	J	200	ug/Kg	8270C
Anthracene		24	J	200	ug/Kg	8270C
Benzo(a)anthracene		99	J	200	ug/Kg	8270C
Benzo(a)pyrene		78	J	200	ug/Kg	8270C
Benzo(b)fluoranthene		120	J	200	ug/Kg	8270C
Benzo(g,h,i)perylene		68	J	200	ug/Kg	8270C
Benzo(k)fluoranthene		33	J	200	ug/Kg	8270C
Carbazole		12	J	200	ug/Kg	8270C
Chrysene		150	J	200	ug/Kg	8270C
Fluoranthene		120	J	200	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		42	J	200	ug/Kg	8270C
Naphthalene		20	J	200	ug/Kg	8270C
Phenanthrene		120	J	200	ug/Kg	8270C
Pyrene		130	J	200	ug/Kg	8270C
Percent Moisture		14		0.10	%	Moisture
Percent Solids		86		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-10088-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-10088-3	SB-C5 (5-9)					
Acenaphthene		22	J	180	ug/Kg	8270C
Anthracene		55	J	180	ug/Kg	8270C
Benzo(a)anthracene		120	J	180	ug/Kg	8270C
Benzo(a)pyrene		120	J	180	ug/Kg	8270C
Benzo(b)fluoranthene		110	J	180	ug/Kg	8270C
Benzo(g,h,i)perylene		64	J	180	ug/Kg	8270C
Benzo(k)fluoranthene		69	J	180	ug/Kg	8270C
Carbazole		36	J	180	ug/Kg	8270C
Chrysene		130	J	180	ug/Kg	8270C
Dibenzofuran		25	J	180	ug/Kg	8270C
Fluoranthene		240		180	ug/Kg	8270C
Fluorene		25	J	180	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		52	J	180	ug/Kg	8270C
Naphthalene		20	J	180	ug/Kg	8270C
Phenanthrene		270		180	ug/Kg	8270C
Pyrene		210		180	ug/Kg	8270C
Percent Moisture		9.4		0.10	%	Moisture
Percent Solids		91		0.10	%	Moisture
480-10088-4	SB-C7 (5-9)					
2-Methylnaphthalene		54	J	200	ug/Kg	8270C
Acenaphthene		86	J	200	ug/Kg	8270C
Acenaphthylene		47	J	200	ug/Kg	8270C
Anthracene		250		200	ug/Kg	8270C
Benzo(a)anthracene		510		200	ug/Kg	8270C
Benzo(a)pyrene		440		200	ug/Kg	8270C
Benzo(b)fluoranthene		500		200	ug/Kg	8270C
Benzo(g,h,i)perylene		240		200	ug/Kg	8270C
Benzo(k)fluoranthene		190	J	200	ug/Kg	8270C
Biphenyl		20	J	200	ug/Kg	8270C
Carbazole		120	J	200	ug/Kg	8270C
Chrysene		500		200	ug/Kg	8270C
Dibenzofuran		75	J	200	ug/Kg	8270C
Fluoranthene		1100		200	ug/Kg	8270C
Fluorene		100	J	200	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		200		200	ug/Kg	8270C
Naphthalene		160	J	200	ug/Kg	8270C
Phenanthrene		1000		200	ug/Kg	8270C
Pyrene		1000		200	ug/Kg	8270C
Percent Moisture		17		0.10	%	Moisture
Percent Solids		83		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-10088-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-10088-5	MW-53 (5-8)					
Benzo(a)anthracene		14	J	180	ug/Kg	8270C
Benzo(a)pyrene		11	J	180	ug/Kg	8270C
Benzo(b)fluoranthene		16	J	180	ug/Kg	8270C
Benzo(k)fluoranthene		5.4	J	180	ug/Kg	8270C
Chrysene		12	J	180	ug/Kg	8270C
Diethyl phthalate		12	J	180	ug/Kg	8270C
Fluoranthene		17	J	180	ug/Kg	8270C
Phenanthrene		9.7	J	180	ug/Kg	8270C
Percent Moisture		7.3		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture
480-10088-6EB	EB					
Di-n-butyl phthalate		0.32	J B	4.7	ug/L	8270C

METHOD SUMMARY

Client: CHA Inc

Job Number: 480-10088-1

Description		Lab Location	Method	Preparation Method
Matrix	Solid			
Volatile Organic Compounds (GC/MS)		TAL BUF	SW846 8260B	
Closed System Purge and Trap				SW846 5035
Semivolatile Organic Compounds (GC/MS)		TAL BUF	SW846 8270C	
Ultrasonic Extraction				SW846 3550B
Percent Moisture		TAL BUF	EPA Moisture	
Matrix	Water			
Volatile Organic Compounds (GC/MS)		TAL BUF	SW846 8260B	
Purge and Trap		TAL BUF		SW846 5030B
Semivolatile Organic Compounds (GC/MS)		TAL BUF	SW846 8270C	
Liquid-Liquid Extraction (Separatory Funnel)				SW846 3510C

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: CHA Inc

Job Number: 480-10088-1

Method	Analyst	Analyst ID
SW846 8260B	Coder, David	DC
SW846 8260B	Quirk, Patrick J	PJQ
SW846 8270C	McKernan, Ryan	RMM
SW846 8270C	Page, Michelle	MP
EPA Moisture	Robitaille, Zach L	ZLR

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: SB-B3 (5-9)

Lab Sample ID: 480-10088-1

Date Sampled: 09/19/2011 1250

Client Matrix: Solid

% Moisture: 16.4

Date Received: 09/21/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-33080	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-33092	Lab File ID:	F4212.D
Dilution:	1.0			Initial Weight/Volume:	5.442 g
Analysis Date:	09/27/2011 2105			Final Weight/Volume:	5 g
Prep Date:	09/27/2011 1924				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.40	5.5
1,1,2,2-Tetrachloroethane		ND		0.89	5.5
1,1,2-Trichloroethane		ND		0.71	5.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.3	5.5
1,1-Dichloroethane		ND		0.67	5.5
1,1-Dichloroethene		ND		0.67	5.5
1,2,4-Trichlorobenzene		ND		0.33	5.5
1,2-Dibromo-3-Chloropropane		ND		2.7	5.5
1,2-Dibromoethane		ND		0.71	5.5
1,2-Dichlorobenzene		ND		0.43	5.5
1,2-Dichloroethane		ND		0.28	5.5
1,2-Dichloropropane		ND		2.7	5.5
1,3-Dichlorobenzene		ND		0.28	5.5
1,4-Dichlorobenzene		ND		0.77	5.5
2-Hexanone		ND		2.7	27
2-Butanone (MEK)		ND		2.0	27
4-Methyl-2-pentanone (MIBK)		ND		1.8	27
Acetone		11	J	4.6	27
Benzene		ND		0.27	5.5
Bromodichloromethane		ND		0.74	5.5
Bromoform		ND		2.7	5.5
Bromomethane		ND		0.49	5.5
Carbon disulfide		ND		2.7	5.5
Carbon tetrachloride		ND		0.53	5.5
Chlorobenzene		ND		0.72	5.5
Dibromochloromethane		ND		0.70	5.5
Chloroethane		ND		1.2	5.5
Chloroform		ND		0.34	5.5
Chloromethane		ND		0.33	5.5
cis-1,2-Dichloroethene		ND		0.70	5.5
cis-1,3-Dichloropropene		ND		0.79	5.5
Cyclohexane		ND		0.77	5.5
Dichlorodifluoromethane		ND		0.45	5.5
Ethylbenzene		ND		0.38	5.5
Isopropylbenzene		ND		0.83	5.5
Methyl acetate		ND		1.0	5.5
Methyl tert-butyl ether		ND		0.54	5.5
Methylcyclohexane		ND		0.83	5.5
Methylene Chloride		ND		2.5	5.5
Styrene		ND		0.27	5.5
Tetrachloroethene		ND		0.74	5.5
Toluene		ND		0.42	5.5
trans-1,2-Dichloroethene		ND		0.57	5.5
trans-1,3-Dichloropropene		ND		2.4	5.5
Trichloroethene		1.8	J	1.2	5.5
Trichlorofluoromethane		ND		0.52	5.5

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: SB-B3 (5-9)

Lab Sample ID: 480-10088-1

Date Sampled: 09/19/2011 1250

Client Matrix: Solid

% Moisture: 16.4

Date Received: 09/21/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-33080	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-33092	Lab File ID:	F4212.D
Dilution:	1.0			Initial Weight/Volume:	5.442 g
Analysis Date:	09/27/2011 2105			Final Weight/Volume:	5 g
Prep Date:	09/27/2011 1924				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.67	5.5
Xylenes, Total		ND		0.92	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		64 - 126
Toluene-d8 (Surr)	101		71 - 125
4-Bromofluorobenzene (Surr)	98		72 - 126

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: SB-B3 (5-9)

Lab Sample ID: 480-10088-1

Date Sampled: 09/19/2011 1250

Client Matrix: Solid

% Moisture: 16.4

Date Received: 09/21/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 480-33080

Instrument ID: HP5973F

Prep Method: 5035

Prep Batch: 480-33092

Lab File ID: F4212.D

Dilution: 1.0

Initial Weight/Volume: 5.442 g

Analysis Date: 09/27/2011 2105

Final Weight/Volume: 5 g

Prep Date: 09/27/2011 1924

Tentatively Identified Compounds**Number TIC's Found: 3**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
115-7-1	Propene	2.03	9.4	T J N
556-67-2	Cyclotetrasiloxane, octamethyl-	9.65	29	T J N
	Unknown	11.34	6.5	T J

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: SB-C2 (5-7)

Lab Sample ID: 480-10088-2

Date Sampled: 09/19/2011 1000

Client Matrix: Solid

% Moisture: 14.3

Date Received: 09/21/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-33080	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-33092	Lab File ID:	F4213.D
Dilution:	1.0			Initial Weight/Volume:	6.659 g
Analysis Date:	09/27/2011 2131			Final Weight/Volume:	5 g
Prep Date:	09/27/2011 1924				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.32	4.4
1,1,2,2-Tetrachloroethane		ND		0.71	4.4
1,1,2-Trichloroethane		ND		0.57	4.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.0	4.4
1,1-Dichloroethane		ND		0.53	4.4
1,1-Dichloroethene		ND		0.54	4.4
1,2,4-Trichlorobenzene		ND		0.27	4.4
1,2-Dibromo-3-Chloropropane		ND		2.2	4.4
1,2-Dibromoethane		ND		0.56	4.4
1,2-Dichlorobenzene		ND		0.34	4.4
1,2-Dichloroethane		ND		0.22	4.4
1,2-Dichloropropane		ND		2.2	4.4
1,3-Dichlorobenzene		ND		0.23	4.4
1,4-Dichlorobenzene		ND		0.61	4.4
2-Hexanone		ND		2.2	22
2-Butanone (MEK)		ND		1.6	22
4-Methyl-2-pentanone (MIBK)		ND		1.4	22
Acetone		ND		3.7	22
Benzene		ND		0.21	4.4
Bromodichloromethane		ND		0.59	4.4
Bromoform		ND		2.2	4.4
Bromomethane		ND		0.39	4.4
Carbon disulfide		ND		2.2	4.4
Carbon tetrachloride		ND		0.42	4.4
Chlorobenzene		ND		0.58	4.4
Dibromochloromethane		ND		0.56	4.4
Chloroethane		ND		0.99	4.4
Chloroform		ND		0.27	4.4
Chloromethane		ND		0.26	4.4
cis-1,2-Dichloroethene		ND		0.56	4.4
cis-1,3-Dichloropropene		ND		0.63	4.4
Cyclohexane		ND		0.61	4.4
Dichlorodifluoromethane		ND		0.36	4.4
Ethylbenzene		ND		0.30	4.4
Isopropylbenzene		ND		0.66	4.4
Methyl acetate		ND		0.82	4.4
Methyl tert-butyl ether		ND		0.43	4.4
Methylcyclohexane		ND		0.67	4.4
Methylene Chloride		ND		2.0	4.4
Styrene		ND		0.22	4.4
Tetrachloroethene		ND		0.59	4.4
Toluene		ND		0.33	4.4
trans-1,2-Dichloroethene		ND		0.45	4.4
trans-1,3-Dichloropropene		ND		1.9	4.4
Trichloroethene		ND		0.96	4.4
Trichlorofluoromethane		ND		0.41	4.4

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: SB-C2 (5-7)

Lab Sample ID: 480-10088-2

Date Sampled: 09/19/2011 1000

Client Matrix: Solid

% Moisture: 14.3

Date Received: 09/21/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-33080	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-33092	Lab File ID:	F4213.D
Dilution:	1.0			Initial Weight/Volume:	6.659 g
Analysis Date:	09/27/2011 2131			Final Weight/Volume:	5 g
Prep Date:	09/27/2011 1924				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.53	4.4
Xylenes, Total		ND		0.74	8.8

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		64 - 126
Toluene-d8 (Surr)	102		71 - 125
4-Bromofluorobenzene (Surr)	100		72 - 126

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: SB-C2 (5-7)

Lab Sample ID: 480-10088-2

Date Sampled: 09/19/2011 1000

Client Matrix: Solid

% Moisture: 14.3

Date Received: 09/21/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 480-33080

Instrument ID: HP5973F

Prep Method: 5035

Prep Batch: 480-33092

Lab File ID: F4213.D

Dilution: 1.0

Initial Weight/Volume: 6.659 g

Analysis Date: 09/27/2011 2131

Final Weight/Volume: 5 g

Prep Date: 09/27/2011 1924

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
556-67-2	Cyclotetrasiloxane, octamethyl-	9.66	9.2	T J N
	Unknown	11.34	5.3	T J

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: SB-C5 (5-9)

Lab Sample ID: 480-10088-3

Date Sampled: 09/19/2011 0815

Client Matrix: Solid

% Moisture: 9.4

Date Received: 09/21/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-33080	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-33092	Lab File ID:	F4214.D
Dilution:	1.0			Initial Weight/Volume:	8.276 g
Analysis Date:	09/27/2011 2206			Final Weight/Volume:	5 g
Prep Date:	09/27/2011 1924				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.24	3.3
1,1,2,2-Tetrachloroethane		ND		0.54	3.3
1,1,2-Trichloroethane		ND		0.43	3.3
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		0.76	3.3
1,1-Dichloroethane		ND		0.41	3.3
1,1-Dichloroethene		ND		0.41	3.3
1,2,4-Trichlorobenzene		ND		0.20	3.3
1,2-Dibromo-3-Chloropropane		ND		1.7	3.3
1,2-Dibromoethane		ND		0.43	3.3
1,2-Dichlorobenzene		ND		0.26	3.3
1,2-Dichloroethane		ND		0.17	3.3
1,2-Dichloropropane		ND		1.7	3.3
1,3-Dichlorobenzene		ND		0.17	3.3
1,4-Dichlorobenzene		ND		0.47	3.3
2-Hexanone		ND		1.7	17
2-Butanone (MEK)		ND		1.2	17
4-Methyl-2-pentanone (MIBK)		ND		1.1	17
Acetone		ND		2.8	17
Benzene		ND		0.16	3.3
Bromodichloromethane		ND		0.45	3.3
Bromoform		ND		1.7	3.3
Bromomethane		ND		0.30	3.3
Carbon disulfide		ND		1.7	3.3
Carbon tetrachloride		ND		0.32	3.3
Chlorobenzene		ND		0.44	3.3
Dibromochloromethane		ND		0.43	3.3
Chloroethane		ND		0.75	3.3
Chloroform		ND		0.21	3.3
Chloromethane		ND		0.20	3.3
cis-1,2-Dichloroethene		ND		0.43	3.3
cis-1,3-Dichloropropene		ND		0.48	3.3
Cyclohexane		ND		0.47	3.3
Dichlorodifluoromethane		ND		0.28	3.3
Ethylbenzene		ND		0.23	3.3
Isopropylbenzene		ND		0.50	3.3
Methyl acetate		ND		0.62	3.3
Methyl tert-butyl ether		ND		0.33	3.3
Methylcyclohexane		ND		0.51	3.3
Methylene Chloride		ND		1.5	3.3
Styrene		ND		0.17	3.3
Tetrachloroethene		ND		0.45	3.3
Toluene		ND		0.25	3.3
trans-1,2-Dichloroethene		ND		0.34	3.3
trans-1,3-Dichloropropene		ND		1.5	3.3
Trichloroethene		ND		0.73	3.3
Trichlorofluoromethane		ND		0.32	3.3

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: SB-C5 (5-9)

Lab Sample ID: 480-10088-3

Date Sampled: 09/19/2011 0815

Client Matrix: Solid

% Moisture: 9.4

Date Received: 09/21/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-33080	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-33092	Lab File ID:	F4214.D
Dilution:	1.0			Initial Weight/Volume:	8.276 g
Analysis Date:	09/27/2011 2206			Final Weight/Volume:	5 g
Prep Date:	09/27/2011 1924				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.41	3.3
Xylenes, Total		ND		0.56	6.7

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		64 - 126
Toluene-d8 (Surr)	101		71 - 125
4-Bromofluorobenzene (Surr)	99		72 - 126

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: SB-C5 (5-9)

Lab Sample ID: 480-10088-3

Date Sampled: 09/19/2011 0815

Client Matrix: Solid

% Moisture: 9.4

Date Received: 09/21/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 480-33080

Instrument ID: HP5973F

Prep Method: 5035

Prep Batch: 480-33092

Lab File ID: F4214.D

Dilution: 1.0

Initial Weight/Volume: 8.276 g

Analysis Date: 09/27/2011 2206

Final Weight/Volume: 5 g

Prep Date: 09/27/2011 1924

Tentatively Identified Compounds**Number TIC's Found: 4**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	9.66	11	T J
	Unknown	11.09	6.0	T J
	Unknown	11.35	4.5	T J
	Unknown	12.08	6.0	T J

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: SB-C7 (5-9)

Lab Sample ID: 480-10088-4

Date Sampled: 09/19/2011 1125

Client Matrix: Solid

% Moisture: 17.3

Date Received: 09/21/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-33080	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-33092	Lab File ID:	F4215.D
Dilution:	1.0			Initial Weight/Volume:	6.541 g
Analysis Date:	09/27/2011 2232			Final Weight/Volume:	5 g
Prep Date:	09/27/2011 1924				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.34	4.6
1,1,2,2-Tetrachloroethane		ND		0.75	4.6
1,1,2-Trichloroethane		ND		0.60	4.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.1	4.6
1,1-Dichloroethane		ND		0.56	4.6
1,1-Dichloroethene		ND		0.57	4.6
1,2,4-Trichlorobenzene		ND		0.28	4.6
1,2-Dibromo-3-Chloropropane		ND		2.3	4.6
1,2-Dibromoethane		ND		0.59	4.6
1,2-Dichlorobenzene		ND		0.36	4.6
1,2-Dichloroethane		ND		0.23	4.6
1,2-Dichloropropane		ND		2.3	4.6
1,3-Dichlorobenzene		ND		0.24	4.6
1,4-Dichlorobenzene		ND		0.65	4.6
2-Hexanone		ND		2.3	23
2-Butanone (MEK)		ND		1.7	23
4-Methyl-2-pentanone (MIBK)		ND		1.5	23
Acetone		ND		3.9	23
Benzene		ND		0.23	4.6
Bromodichloromethane		ND		0.62	4.6
Bromoform		ND		2.3	4.6
Bromomethane		ND		0.42	4.6
Carbon disulfide		ND		2.3	4.6
Carbon tetrachloride		ND		0.45	4.6
Chlorobenzene		ND		0.61	4.6
Dibromochloromethane		ND		0.59	4.6
Chloroethane		ND		1.0	4.6
Chloroform		ND		0.29	4.6
Chloromethane		ND		0.28	4.6
cis-1,2-Dichloroethene		ND		0.59	4.6
cis-1,3-Dichloropropene		ND		0.67	4.6
Cyclohexane		ND		0.65	4.6
Dichlorodifluoromethane		ND		0.38	4.6
Ethylbenzene		ND		0.32	4.6
Isopropylbenzene		ND		0.70	4.6
Methyl acetate		ND		0.86	4.6
Methyl tert-butyl ether		ND		0.45	4.6
Methylcyclohexane		ND		0.70	4.6
Methylene Chloride		ND		2.1	4.6
Styrene		ND		0.23	4.6
Tetrachloroethene		ND		0.62	4.6
Toluene		ND		0.35	4.6
trans-1,2-Dichloroethene		ND		0.48	4.6
trans-1,3-Dichloropropene		ND		2.0	4.6
Trichloroethene		ND		1.0	4.6
Trichlorofluoromethane		ND		0.44	4.6

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: SB-C7 (5-9)

Lab Sample ID: 480-10088-4

Date Sampled: 09/19/2011 1125

Client Matrix: Solid

% Moisture: 17.3

Date Received: 09/21/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-33080	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-33092	Lab File ID:	F4215.D
Dilution:	1.0			Initial Weight/Volume:	6.541 g
Analysis Date:	09/27/2011 2232			Final Weight/Volume:	5 g
Prep Date:	09/27/2011 1924				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.56	4.6
Xylenes, Total		ND		0.78	9.2

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		64 - 126
Toluene-d8 (Surr)	101		71 - 125
4-Bromofluorobenzene (Surr)	100		72 - 126

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: SB-C7 (5-9)

Lab Sample ID: 480-10088-4

Date Sampled: 09/19/2011 1125

Client Matrix: Solid

% Moisture: 17.3

Date Received: 09/21/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 480-33080

Instrument ID: HP5973F

Prep Method: 5035

Prep Batch: 480-33092

Lab File ID: F4215.D

Dilution: 1.0

Initial Weight/Volume: 6.541 g

Analysis Date: 09/27/2011 2232

Final Weight/Volume: 5 g

Prep Date: 09/27/2011 1924

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
556-67-2	Cyclotetrasiloxane, octamethyl-	9.66	12	T J N

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: MW-53 (5-8)

Lab Sample ID: 480-10088-5

Date Sampled: 09/19/2011 1305

Client Matrix: Solid

% Moisture: 7.3

Date Received: 09/21/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-33080	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-33092	Lab File ID:	F4216.D
Dilution:	1.0			Initial Weight/Volume:	5.768 g
Analysis Date:	09/27/2011 2257			Final Weight/Volume:	5 g
Prep Date:	09/27/2011 1924				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.34	4.7
1,1,2,2-Tetrachloroethane		ND		0.76	4.7
1,1,2-Trichloroethane		ND		0.61	4.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.1	4.7
1,1-Dichloroethane		ND		0.57	4.7
1,1-Dichloroethene		ND		0.57	4.7
1,2,4-Trichlorobenzene		ND		0.28	4.7
1,2-Dibromo-3-Chloropropane		ND		2.3	4.7
1,2-Dibromoethane		ND		0.60	4.7
1,2-Dichlorobenzene		ND		0.37	4.7
1,2-Dichloroethane		ND		0.23	4.7
1,2-Dichloropropane		ND		2.3	4.7
1,3-Dichlorobenzene		ND		0.24	4.7
1,4-Dichlorobenzene		ND		0.65	4.7
2-Hexanone		ND		2.3	23
2-Butanone (MEK)		ND		1.7	23
4-Methyl-2-pentanone (MIBK)		ND		1.5	23
Acetone		ND		3.9	23
Benzene		ND		0.23	4.7
Bromodichloromethane		ND		0.63	4.7
Bromoform		ND		2.3	4.7
Bromomethane		ND		0.42	4.7
Carbon disulfide		ND		2.3	4.7
Carbon tetrachloride		ND		0.45	4.7
Chlorobenzene		ND		0.62	4.7
Dibromochloromethane		ND		0.60	4.7
Chloroethane		ND		1.1	4.7
Chloroform		ND		0.29	4.7
Chloromethane		ND		0.28	4.7
cis-1,2-Dichloroethene		ND		0.60	4.7
cis-1,3-Dichloropropene		ND		0.67	4.7
Cyclohexane		ND		0.65	4.7
Dichlorodifluoromethane		ND		0.39	4.7
Ethylbenzene		ND		0.32	4.7
Isopropylbenzene		ND		0.71	4.7
Methyl acetate		ND		0.87	4.7
Methyl tert-butyl ether		ND		0.46	4.7
Methylcyclohexane		ND		0.71	4.7
Methylene Chloride		ND		2.2	4.7
Styrene		ND		0.23	4.7
Tetrachloroethene		ND		0.63	4.7
Toluene		ND		0.35	4.7
trans-1,2-Dichloroethene		ND		0.48	4.7
trans-1,3-Dichloropropene		ND		2.1	4.7
Trichloroethene		ND		1.0	4.7
Trichlorofluoromethane		ND		0.44	4.7

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: MW-53 (5-8)

Lab Sample ID: 480-10088-5

Date Sampled: 09/19/2011 1305

Client Matrix: Solid

% Moisture: 7.3

Date Received: 09/21/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-33080	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-33092	Lab File ID:	F4216.D
Dilution:	1.0			Initial Weight/Volume:	5.768 g
Analysis Date:	09/27/2011 2257			Final Weight/Volume:	5 g
Prep Date:	09/27/2011 1924				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.57	4.7
Xylenes, Total		ND		0.79	9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		64 - 126
Toluene-d8 (Surr)	101		71 - 125
4-Bromofluorobenzene (Surr)	101		72 - 126

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: MW-53 (5-8)

Lab Sample ID: 480-10088-5

Date Sampled: 09/19/2011 1305

Client Matrix: Solid

% Moisture: 7.3

Date Received: 09/21/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 480-33080

Instrument ID: HP5973F

Prep Method: 5035

Prep Batch: 480-33092

Lab File ID: F4216.D

Dilution: 1.0

Initial Weight/Volume: 5.768 g

Analysis Date: 09/27/2011 2257

Final Weight/Volume: 5 g

Prep Date: 09/27/2011 1924

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	9.65	6.0	T J

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: EB

Lab Sample ID: 480-10088-6EB

Date Sampled: 09/19/2011 1330

Client Matrix: Water

Date Received: 09/21/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-33097	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S6340.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2011 0238			Final Weight/Volume:	5 mL
Prep Date:	09/28/2011 0238				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: EB

Lab Sample ID: 480-10088-6EB

Date Sampled: 09/19/2011 1330

Client Matrix: Water

Date Received: 09/21/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-33097	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S6340.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2011 0238			Final Weight/Volume:	5 mL
Prep Date:	09/28/2011 0238				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117		66 - 137
Toluene-d8 (Surr)	116		71 - 126
4-Bromofluorobenzene (Surr)	110		73 - 120

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: EB

Lab Sample ID: 480-10088-6EB

Date Sampled: 09/19/2011 1330

Client Matrix: Water

Date Received: 09/21/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 480-33097

Instrument ID: HP5973S

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: S6340.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 09/28/2011 0238

Final Weight/Volume: 5 mL

Prep Date: 09/28/2011 0238

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

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

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-10088-7TB

Date Sampled: 09/19/2011 0000

Client Matrix: Water

Date Received: 09/21/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-33097	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S6341.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2011 0300			Final Weight/Volume:	5 mL
Prep Date:	09/28/2011 0300				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-10088-7TB

Date Sampled: 09/19/2011 0000

Client Matrix: Water

Date Received: 09/21/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-33097	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S6341.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2011 0300			Final Weight/Volume:	5 mL
Prep Date:	09/28/2011 0300				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119		66 - 137
Toluene-d8 (Surr)	122		71 - 126
4-Bromofluorobenzene (Surr)	111		73 - 120

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-10088-7TB

Date Sampled: 09/19/2011 0000

Client Matrix: Water

Date Received: 09/21/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-33097	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S6341.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2011 0300			Final Weight/Volume:	5 mL
Prep Date:	09/28/2011 0300				

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

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

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: SB-B3 (5-9)

Lab Sample ID: 480-10088-1

Date Sampled: 09/19/2011 1250

Client Matrix: Solid

% Moisture: 16.4

Date Received: 09/21/2011 1000

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-32845	Instrument ID:	HP5973U
Prep Method:	3550B	Prep Batch:	480-32474	Lab File ID:	U4531.D
Dilution:	2.0			Initial Weight/Volume:	+30.43 g
Analysis Date:	09/26/2011 1547			Final Weight/Volume:	1 mL
Prep Date:	09/22/2011 1536			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		87	400
2,4,6-Trichlorophenol		ND		26	400
2,4-Dichlorophenol		ND		21	400
2,4-Dimethylphenol		ND		110	400
2,4-Dinitrophenol		ND		140	780
2,4-Dinitrotoluene		ND		62	400
2,6-Dinitrotoluene		ND		97	400
2-Chloronaphthalene		ND		27	400
2-Chlorophenol		ND		20	400
2-Methylnaphthalene		55	J	4.8	400
2-Methylphenol		ND		12	400
2-Nitroaniline		ND		130	780
2-Nitrophenol		ND		18	400
3,3'-Dichlorobenzidine		ND		350	400
3-Nitroaniline		ND		91	780
4,6-Dinitro-2-methylphenol		ND		140	780
4-Bromophenyl phenyl ether		ND		130	400
4-Chloro-3-methylphenol		ND		16	400
4-Chloroaniline		ND		120	400
4-Chlorophenyl phenyl ether		ND		8.5	400
4-Methylphenol		ND		22	780
4-Nitroaniline		ND		44	780
4-Nitrophenol		ND		96	780
Acenaphthene		86	J	4.7	400
Acenaphthylene		68	J	3.3	400
Acetophenone		ND		20	400
Anthracene		360	J	10	400
Atrazine		ND		18	400
Benzaldehyde		ND		44	400
Benzo(a)anthracene		3800		6.9	400
Benzo(a)pyrene		3900		9.6	400
Benzo(b)fluoranthene		5600		7.7	400
Benzo(g,h,i)perylene		3500		4.8	400
Benzo(k)fluoranthene		2400		4.4	400
Biphenyl		ND		25	400
bis (2-chloroisopropyl) ether		ND		42	400
Bis(2-chloroethoxy)methane		ND		22	400
Bis(2-chloroethyl)ether		ND		34	400
Bis(2-ethylhexyl) phthalate		ND		130	400
Butyl benzyl phthalate		ND		110	400
Caprolactam		ND		170	400
Carbazole		230	J	4.6	400
Chrysene		5000		4.0	400
Dibenz(a,h)anthracene		ND		4.7	400
Dibenzofuran		47	J	4.1	400
Diethyl phthalate		18	J	12	400

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: SB-B3 (5-9)

Lab Sample ID: 480-10088-1

Date Sampled: 09/19/2011 1250

Client Matrix: Solid

% Moisture: 16.4

Date Received: 09/21/2011 1000

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-32845	Instrument ID:	HP5973U
Prep Method:	3550B	Prep Batch:	480-32474	Lab File ID:	U4531.D
Dilution:	2.0			Initial Weight/Volume:	+30.43 g
Analysis Date:	09/26/2011 1547			Final Weight/Volume:	1 mL
Prep Date:	09/22/2011 1536			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		10	400
Di-n-butyl phthalate		ND		140	400
Di-n-octyl phthalate		ND		9.3	400
Fluoranthene		5700		5.8	400
Fluorene		64	J	9.2	400
Hexachlorobenzene		ND		20	400
Hexachlorobutadiene		ND		20	400
Hexachlorocyclopentadiene		ND		120	400
Hexachloroethane		ND		31	400
Indeno(1,2,3-cd)pyrene		2700		11	400
Isophorone		ND		20	400
Naphthalene		78	J	6.6	400
Nitrobenzene		ND		18	400
N-Nitrosodi-n-propylamine		ND		32	400
N-Nitrosodiphenylamine		ND		22	400
Pentachlorophenol		ND		140	780
Phenanthrene		1700		8.3	400
Phenol		ND		42	400
Pyrene		5800		2.6	400

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	95		39 - 146
2-Fluorobiphenyl	92		37 - 120
2-Fluorophenol	75		18 - 120
Nitrobenzene-d5	82		34 - 132
Phenol-d5	84		11 - 120
p-Terphenyl-d14	106		58 - 147

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: SB-B3 (5-9)

Lab Sample ID: 480-10088-1

Date Sampled: 09/19/2011 1250

Client Matrix: Solid

% Moisture: 16.4

Date Received: 09/21/2011 1000

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270C

Analysis Batch: 480-32845

Instrument ID: HP5973U

Prep Method: 3550B

Prep Batch: 480-32474

Lab File ID: U4531.D

Dilution: 2.0

Initial Weight/Volume: +30.43 g

Analysis Date: 09/26/2011 1547

Final Weight/Volume: 1 mL

Prep Date: 09/22/2011 1536

Injection Volume: 1 uL

Tentatively Identified Compounds**Number TIC's Found: 3**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
243-17-4	11H-Benzo[b]fluorene	13.18	530	T J N
84-15-1	o-Terphenyl	13.81	330	T J N
192-97-2	Benzo[e]pyrene	15.25	1300	T J N

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: SB-C2 (5-7)

Lab Sample ID: 480-10088-2

Date Sampled: 09/19/2011 1000

Client Matrix: Solid

% Moisture: 14.3

Date Received: 09/21/2011 1000

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-32612	Instrument ID:	HP5973U
Prep Method:	3550B	Prep Batch:	480-32474	Lab File ID:	U4506.D
Dilution:	1.0			Initial Weight/Volume:	+30.40 g
Analysis Date:	09/23/2011 1559			Final Weight/Volume:	1 mL
Prep Date:	09/22/2011 1536			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		42	200
2,4,6-Trichlorophenol		ND		13	200
2,4-Dichlorophenol		ND		10	200
2,4-Dimethylphenol		ND		53	200
2,4-Dinitrophenol		ND		68	380
2,4-Dinitrotoluene		ND		30	200
2,6-Dinitrotoluene		ND		48	200
2-Chloronaphthalene		ND		13	200
2-Chlorophenol		ND		9.9	200
2-Methylnaphthalene		26	J	2.4	200
2-Methylphenol		ND		6.0	200
2-Nitroaniline		ND		62	380
2-Nitrophenol		ND		8.9	200
3,3'-Dichlorobenzidine		ND		170	200
3-Nitroaniline		ND		45	380
4,6-Dinitro-2-methylphenol		ND		67	380
4-Bromophenyl phenyl ether		ND		62	200
4-Chloro-3-methylphenol		ND		8.0	200
4-Chloroaniline		ND		57	200
4-Chlorophenyl phenyl ether		ND		4.1	200
4-Methylphenol		ND		11	380
4-Nitroaniline		ND		22	380
4-Nitrophenol		ND		47	380
Acenaphthene		ND		2.3	200
Acenaphthylene		7.7	J	1.6	200
Acetophenone		ND		10	200
Anthracene		24	J	5.0	200
Atrazine		ND		8.7	200
Benzaldehyde		ND		21	200
Benzo(a)anthracene		99	J	3.4	200
Benzo(a)pyrene		78	J	4.7	200
Benzo(b)fluoranthene		120	J	3.8	200
Benzo(g,h,i)perylene		68	J	2.3	200
Benzo(k)fluoranthene		33	J	2.1	200
Biphenyl		ND		12	200
bis (2-chloroisopropyl) ether		ND		20	200
Bis(2-chloroethoxy)methane		ND		11	200
Bis(2-chloroethyl)ether		ND		17	200
Bis(2-ethylhexyl) phthalate		ND		63	200
Butyl benzyl phthalate		ND		52	200
Caprolactam		ND		84	200
Carbazole		12	J	2.2	200
Chrysene		150	J	1.9	200
Dibenz(a,h)anthracene		ND		2.3	200
Dibenzofuran		ND		2.0	200
Diethyl phthalate		ND		5.9	200

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: SB-C2 (5-7)

Lab Sample ID: 480-10088-2

Date Sampled: 09/19/2011 1000

Client Matrix: Solid

% Moisture: 14.3

Date Received: 09/21/2011 1000

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-32612	Instrument ID:	HP5973U
Prep Method:	3550B	Prep Batch:	480-32474	Lab File ID:	U4506.D
Dilution:	1.0			Initial Weight/Volume:	+30.40 g
Analysis Date:	09/23/2011 1559			Final Weight/Volume:	1 mL
Prep Date:	09/22/2011 1536			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		5.1	200
Di-n-butyl phthalate		ND		67	200
Di-n-octyl phthalate		ND		4.5	200
Fluoranthene		120	J	2.8	200
Fluorene		ND		4.5	200
Hexachlorobenzene		ND		9.7	200
Hexachlorobutadiene		ND		9.9	200
Hexachlorocyclopentadiene		ND		59	200
Hexachloroethane		ND		15	200
Indeno(1,2,3-cd)pyrene		42	J	5.4	200
Isophorone		ND		9.7	200
Naphthalene		20	J	3.2	200
Nitrobenzene		ND		8.6	200
N-Nitrosodi-n-propylamine		ND		15	200
N-Nitrosodiphenylamine		ND		11	200
Pentachlorophenol		ND		67	380
Phenanthrene		120	J	4.1	200
Phenol		ND		20	200
Pyrene		130	J	1.3	200

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	119		39 - 146
2-Fluorobiphenyl	96		37 - 120
2-Fluorophenol	80		18 - 120
Nitrobenzene-d5	88		34 - 132
Phenol-d5	94		11 - 120
p-Terphenyl-d14	115		58 - 147

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: SB-C2 (5-7)

Lab Sample ID: 480-10088-2

Date Sampled: 09/19/2011 1000

Client Matrix: Solid

% Moisture: 14.3

Date Received: 09/21/2011 1000

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270C

Analysis Batch: 480-32612

Instrument ID: HP5973U

Prep Method: 3550B

Prep Batch: 480-32474

Lab File ID: U4506.D

Dilution: 1.0

Initial Weight/Volume: +30.40 g

Analysis Date: 09/23/2011 1559

Final Weight/Volume: 1 mL

Prep Date: 09/22/2011 1536

Injection Volume: 1 uL

Tentatively Identified Compounds**Number TIC's Found: 8**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
189-64-0	3,4:8,9-Dibenzopyrene	13.17	200	T J N
	Unknown	13.44	180	T J
	Unknown	13.81	260	T J
646-31-1	Tetracosane	14.08	210	T J N
	Unknown	14.34	300	T J
112-84-5	Erucylamide	14.60	1300	T J N
	Unknown	15.50	170	T J
	Unknown	15.75	170	T J

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: SB-C5 (5-9)

Lab Sample ID: 480-10088-3

Date Sampled: 09/19/2011 0815

Client Matrix: Solid

% Moisture: 9.4

Date Received: 09/21/2011 1000

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-32612	Instrument ID:	HP5973U
Prep Method:	3550B	Prep Batch:	480-32474	Lab File ID:	U4507.D
Dilution:	1.0			Initial Weight/Volume:	+30.64 g
Analysis Date:	09/23/2011 1623			Final Weight/Volume:	1 mL
Prep Date:	09/22/2011 1536			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		40	180
2,4,6-Trichlorophenol		ND		12	180
2,4-Dichlorophenol		ND		9.6	180
2,4-Dimethylphenol		ND		49	180
2,4-Dinitrophenol		ND		64	360
2,4-Dinitrotoluene		ND		28	180
2,6-Dinitrotoluene		ND		45	180
2-Chloronaphthalene		ND		12	180
2-Chlorophenol		ND		9.3	180
2-Methylnaphthalene		ND		2.2	180
2-Methylphenol		ND		5.6	180
2-Nitroaniline		ND		59	360
2-Nitrophenol		ND		8.3	180
3,3'-Dichlorobenzidine		ND		160	180
3-Nitroaniline		ND		42	360
4,6-Dinitro-2-methylphenol		ND		63	360
4-Bromophenyl phenyl ether		ND		58	180
4-Chloro-3-methylphenol		ND		7.5	180
4-Chloroaniline		ND		54	180
4-Chlorophenyl phenyl ether		ND		3.9	180
4-Methylphenol		ND		10	360
4-Nitroaniline		ND		20	360
4-Nitrophenol		ND		44	360
Acenaphthene		22	J	2.1	180
Acenaphthylene		ND		1.5	180
Acetophenone		ND		9.4	180
Anthracene		55	J	4.7	180
Atrazine		ND		8.1	180
Benzaldehyde		ND		20	180
Benzo(a)anthracene		120	J	3.1	180
Benzo(a)pyrene		120	J	4.4	180
Benzo(b)fluoranthene		110	J	3.5	180
Benzo(g,h,i)perylene		64	J	2.2	180
Benzo(k)fluoranthene		69	J	2.0	180
Biphenyl		ND		11	180
bis (2-chloroisopropyl) ether		ND		19	180
Bis(2-chloroethoxy)methane		ND		9.9	180
Bis(2-chloroethyl)ether		ND		16	180
Bis(2-ethylhexyl) phthalate		ND		59	180
Butyl benzyl phthalate		ND		49	180
Caprolactam		ND		79	180
Carbazole		36	J	2.1	180
Chrysene		130	J	1.8	180
Dibenz(a,h)anthracene		ND		2.1	180
Dibenzofuran		25	J	1.9	180
Diethyl phthalate		ND		5.5	180

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: SB-C5 (5-9)

Lab Sample ID: 480-10088-3

Date Sampled: 09/19/2011 0815

Client Matrix: Solid

% Moisture: 9.4

Date Received: 09/21/2011 1000

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-32612	Instrument ID:	HP5973U
Prep Method:	3550B	Prep Batch:	480-32474	Lab File ID:	U4507.D
Dilution:	1.0			Initial Weight/Volume:	+30.64 g
Analysis Date:	09/23/2011 1623			Final Weight/Volume:	1 mL
Prep Date:	09/22/2011 1536			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		4.8	180
Di-n-butyl phthalate		ND		63	180
Di-n-octyl phthalate		ND		4.3	180
Fluoranthene		240		2.6	180
Fluorene		25	J	4.2	180
Hexachlorobenzene		ND		9.1	180
Hexachlorobutadiene		ND		9.3	180
Hexachlorocyclopentadiene		ND		55	180
Hexachloroethane		ND		14	180
Indeno(1,2,3-cd)pyrene		52	J	5.0	180
Isophorone		ND		9.1	180
Naphthalene		20	J	3.0	180
Nitrobenzene		ND		8.1	180
N-Nitrosodi-n-propylamine		ND		14	180
N-Nitrosodiphenylamine		ND		10	180
Pentachlorophenol		ND		63	360
Phenanthrene		270		3.8	180
Phenol		ND		19	180
Pyrene		210		1.2	180

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	117		39 - 146
2-Fluorobiphenyl	85		37 - 120
2-Fluorophenol	66		18 - 120
Nitrobenzene-d5	73		34 - 132
Phenol-d5	79		11 - 120
p-Terphenyl-d14	108		58 - 147

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: SB-C5 (5-9)

Lab Sample ID: 480-10088-3

Date Sampled: 09/19/2011 0815

Client Matrix: Solid

% Moisture: 9.4

Date Received: 09/21/2011 1000

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270C

Analysis Batch: 480-32612

Instrument ID: HP5973U

Prep Method: 3550B

Prep Batch: 480-32474

Lab File ID: U4507.D

Dilution: 1.0

Initial Weight/Volume: +30.64 g

Analysis Date: 09/23/2011 1623

Final Weight/Volume: 1 mL

Prep Date: 09/22/2011 1536

Injection Volume: 1 uL

Tentatively Identified Compounds**Number TIC's Found: 9**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	2.37	260	T J
629-92-5	Nonadecane	13.53	150	T J N
629-99-2	Pentacosane	13.81	310	T J N
630-1-3	Hexacosane	14.08	380	T J N
593-49-7	Heptacosane	14.34	370	T J N
	Unknown	14.60	1100	T J
112-95-8	Eicosane	14.88	540	T J N
	Unknown	15.50	340	T J
	Unknown	15.86	180	T J

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: SB-C7 (5-9)

Lab Sample ID: 480-10088-4

Date Sampled: 09/19/2011 1125

Client Matrix: Solid

% Moisture: 17.3

Date Received: 09/21/2011 1000

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-32612	Instrument ID:	HP5973U
Prep Method:	3550B	Prep Batch:	480-32474	Lab File ID:	U4508.D
Dilution:	1.0			Initial Weight/Volume:	+30.50 g
Analysis Date:	09/23/2011 1646			Final Weight/Volume:	1 mL
Prep Date:	09/22/2011 1536			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		44	200
2,4,6-Trichlorophenol		ND		13	200
2,4-Dichlorophenol		ND		11	200
2,4-Dimethylphenol		ND		54	200
2,4-Dinitrophenol		ND		70	390
2,4-Dinitrotoluene		ND		31	200
2,6-Dinitrotoluene		ND		49	200
2-Chloronaphthalene		ND		13	200
2-Chlorophenol		ND		10	200
2-Methylnaphthalene		54	J	2.4	200
2-Methylphenol		ND		6.2	200
2-Nitroaniline		ND		64	390
2-Nitrophenol		ND		9.2	200
3,3'-Dichlorobenzidine		ND		180	200
3-Nitroaniline		ND		46	390
4,6-Dinitro-2-methylphenol		ND		69	390
4-Bromophenyl phenyl ether		ND		64	200
4-Chloro-3-methylphenol		ND		8.3	200
4-Chloroaniline		ND		59	200
4-Chlorophenyl phenyl ether		ND		4.3	200
4-Methylphenol		ND		11	390
4-Nitroaniline		ND		22	390
4-Nitrophenol		ND		49	390
Acenaphthene		86	J	2.4	200
Acenaphthylene		47	J	1.6	200
Acetophenone		ND		10	200
Anthracene		250		5.1	200
Atrazine		ND		8.9	200
Benzaldehyde		ND		22	200
Benzo(a)anthracene		510		3.5	200
Benzo(a)pyrene		440		4.8	200
Benzo(b)fluoranthene		500		3.9	200
Benzo(g,h,i)perylene		240		2.4	200
Benzo(k)fluoranthene		190	J	2.2	200
Biphenyl		20	J	13	200
bis (2-chloroisopropyl) ether		ND		21	200
Bis(2-chloroethoxy)methane		ND		11	200
Bis(2-chloroethyl)ether		ND		17	200
Bis(2-ethylhexyl) phthalate		ND		65	200
Butyl benzyl phthalate		ND		54	200
Caprolactam		ND		87	200
Carbazole		120	J	2.3	200
Chrysene		500		2.0	200
Dibenz(a,h)anthracene		ND		2.4	200
Dibenzofuran		75	J	2.1	200
Diethyl phthalate		ND		6.1	200

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: SB-C7 (5-9)

Lab Sample ID: 480-10088-4

Date Sampled: 09/19/2011 1125

Client Matrix: Solid

% Moisture: 17.3

Date Received: 09/21/2011 1000

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-32612	Instrument ID:	HP5973U
Prep Method:	3550B	Prep Batch:	480-32474	Lab File ID:	U4508.D
Dilution:	1.0			Initial Weight/Volume:	+30.50 g
Analysis Date:	09/23/2011 1646			Final Weight/Volume:	1 mL
Prep Date:	09/22/2011 1536			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		5.2	200
Di-n-butyl phthalate		ND		69	200
Di-n-octyl phthalate		ND		4.7	200
Fluoranthene		1100		2.9	200
Fluorene		100	J	4.6	200
Hexachlorobenzene		ND		10	200
Hexachlorobutadiene		ND		10	200
Hexachlorocyclopentadiene		ND		61	200
Hexachloroethane		ND		16	200
Indeno(1,2,3-cd)pyrene		200		5.6	200
Isophorone		ND		10	200
Naphthalene		160	J	3.3	200
Nitrobenzene		ND		8.9	200
N-Nitrosodi-n-propylamine		ND		16	200
N-Nitrosodiphenylamine		ND		11	200
Pentachlorophenol		ND		69	390
Phenanthrene		1000		4.2	200
Phenol		ND		21	200
Pyrene		1000		1.3	200

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	129		39 - 146
2-Fluorobiphenyl	98		37 - 120
2-Fluorophenol	87		18 - 120
Nitrobenzene-d5	91		34 - 132
Phenol-d5	101		11 - 120
p-Terphenyl-d14	125		58 - 147

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: SB-C7 (5-9)

Lab Sample ID: 480-10088-4

Date Sampled: 09/19/2011 1125

Client Matrix: Solid

% Moisture: 17.3

Date Received: 09/21/2011 1000

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270C

Analysis Batch: 480-32612

Instrument ID: HP5973U

Prep Method: 3550B

Prep Batch: 480-32474

Lab File ID: U4508.D

Dilution: 1.0

Initial Weight/Volume: +30.50 g

Analysis Date: 09/23/2011 1646

Final Weight/Volume: 1 mL

Prep Date: 09/22/2011 1536

Injection Volume: 1 uL

Tentatively Identified Compounds**Number TIC's Found: 5**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	13.81	340	T J
	Unknown	14.08	220	T J
638-67-5	Tricosane	14.34	200	T J N
593-45-3	Octadecane	14.60	490	T J N
112-95-8	Eicosane	15.50	260	T J N

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: MW-53 (5-8)

Lab Sample ID: 480-10088-5

Date Sampled: 09/19/2011 1305

Client Matrix: Solid

% Moisture: 7.3

Date Received: 09/21/2011 1000

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-32612	Instrument ID:	HP5973U
Prep Method:	3550B	Prep Batch:	480-32474	Lab File ID:	U4509.D
Dilution:	1.0			Initial Weight/Volume:	+30.81 g
Analysis Date:	09/23/2011 1710			Final Weight/Volume:	1 mL
Prep Date:	09/22/2011 1536			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		39	180
2,4,6-Trichlorophenol		ND		12	180
2,4-Dichlorophenol		ND		9.3	180
2,4-Dimethylphenol		ND		48	180
2,4-Dinitrophenol		ND		62	350
2,4-Dinitrotoluene		ND		27	180
2,6-Dinitrotoluene		ND		43	180
2-Chloronaphthalene		ND		12	180
2-Chlorophenol		ND		9.0	180
2-Methylnaphthalene		ND		2.1	180
2-Methylphenol		ND		5.5	180
2-Nitroaniline		ND		57	350
2-Nitrophenol		ND		8.1	180
3,3'-Dichlorobenzidine		ND		160	180
3-Nitroaniline		ND		41	350
4,6-Dinitro-2-methylphenol		ND		61	350
4-Bromophenyl phenyl ether		ND		56	180
4-Chloro-3-methylphenol		ND		7.3	180
4-Chloroaniline		ND		52	180
4-Chlorophenyl phenyl ether		ND		3.8	180
4-Methylphenol		ND		9.9	350
4-Nitroaniline		ND		20	350
4-Nitrophenol		ND		43	350
Acenaphthene		ND		2.1	180
Acenaphthylene		ND		1.5	180
Acetophenone		ND		9.1	180
Anthracene		ND		4.5	180
Atrazine		ND		7.9	180
Benzaldehyde		ND		19	180
Benzo(a)anthracene		14	J	3.1	180
Benzo(a)pyrene		11	J	4.3	180
Benzo(b)fluoranthene		16	J	3.4	180
Benzo(g,h,i)perylene		ND		2.1	180
Benzo(k)fluoranthene		5.4	J	2.0	180
Biphenyl		ND		11	180
bis (2-chloroisopropyl) ether		ND		19	180
Bis(2-chloroethoxy)methane		ND		9.6	180
Bis(2-chloroethyl)ether		ND		15	180
Bis(2-ethylhexyl) phthalate		ND		57	180
Butyl benzyl phthalate		ND		48	180
Caprolactam		ND		77	180
Carbazole		ND		2.1	180
Chrysene		12	J	1.8	180
Dibenz(a,h)anthracene		ND		2.1	180
Dibenzofuran		ND		1.8	180
Diethyl phthalate		12	J	5.4	180

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: MW-53 (5-8)

Lab Sample ID: 480-10088-5

Date Sampled: 09/19/2011 1305

Client Matrix: Solid

% Moisture: 7.3

Date Received: 09/21/2011 1000

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-32612	Instrument ID:	HP5973U
Prep Method:	3550B	Prep Batch:	480-32474	Lab File ID:	U4509.D
Dilution:	1.0			Initial Weight/Volume:	+30.81 g
Analysis Date:	09/23/2011 1710			Final Weight/Volume:	1 mL
Prep Date:	09/22/2011 1536			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		4.6	180
Di-n-butyl phthalate		ND		61	180
Di-n-octyl phthalate		ND		4.1	180
Fluoranthene		17	J	2.6	180
Fluorene		ND		4.1	180
Hexachlorobenzene		ND		8.8	180
Hexachlorobutadiene		ND		9.1	180
Hexachlorocyclopentadiene		ND		54	180
Hexachloroethane		ND		14	180
Indeno(1,2,3-cd)pyrene		ND		4.9	180
Isophorone		ND		8.9	180
Naphthalene		ND		3.0	180
Nitrobenzene		ND		7.9	180
N-Nitrosodi-n-propylamine		ND		14	180
N-Nitrosodiphenylamine		ND		9.7	180
Pentachlorophenol		ND		61	350
Phenanthrene		9.7	J	3.7	180
Phenol		ND		19	180
Pyrene		ND		1.1	180

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	99		39 - 146
2-Fluorobiphenyl	80		37 - 120
2-Fluorophenol	71		18 - 120
Nitrobenzene-d5	76		34 - 132
Phenol-d5	77		11 - 120
p-Terphenyl-d14	94		58 - 147

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: MW-53 (5-8)

Lab Sample ID: 480-10088-5

Date Sampled: 09/19/2011 1305

Client Matrix: Solid

% Moisture: 7.3

Date Received: 09/21/2011 1000

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270C

Analysis Batch: 480-32612

Instrument ID: HP5973U

Prep Method: 3550B

Prep Batch: 480-32474

Lab File ID: U4509.D

Dilution: 1.0

Initial Weight/Volume: +30.81 g

Analysis Date: 09/23/2011 1710

Final Weight/Volume: 1 mL

Prep Date: 09/22/2011 1536

Injection Volume: 1 uL

Tentatively Identified Compounds**Number TIC's Found: 9**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	2.38	240	T J
79-34-5	Ethane, 1,1,2,2-tetrachloro-	4.57	190	T J N
630-2-4	Octacosane	13.53	210	T J N
1560-88-9	Octadecane, 2-methyl-	13.81	380	T J N
71005-15-7	Pentadecane, 8-heptyl-	14.08	480	T J N
638-67-5	Tricosane	14.34	500	T J N
638-67-5	Tricosane	14.60	750	T J N
	Unknown	15.50	290	T J
	Unknown	15.86	230	T J

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: EB

Lab Sample ID: 480-10088-6EB

Client Matrix: Water

Date Sampled: 09/19/2011 1330

Date Received: 09/21/2011 1000

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-33187	Instrument ID:	HP5973X
Prep Method:	3510C	Prep Batch:	480-32537	Lab File ID:	X8467.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	09/28/2011 1351			Final Weight/Volume:	1 mL
Prep Date:	09/23/2011 0720			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		0.62	4.7
bis (2-chloroisopropyl) ether	ND		0.49	4.7
2,4,5-Trichlorophenol	ND		0.45	4.7
2,4,6-Trichlorophenol	ND		0.58	4.7
2,4-Dichlorophenol	ND		0.48	4.7
2,4-Dimethylphenol	ND		0.47	4.7
2,4-Dinitrophenol	ND		2.1	9.4
2,4-Dinitrotoluene	ND		0.42	4.7
2,6-Dinitrotoluene	ND		0.38	4.7
2-Chloronaphthalene	ND		0.43	4.7
2-Chlorophenol	ND		0.50	4.7
2-Methylnaphthalene	ND		0.57	4.7
2-Methylphenol	ND		0.38	4.7
2-Nitroaniline	ND		0.40	9.4
2-Nitrophenol	ND		0.45	4.7
3,3'-Dichlorobenzidine	ND		0.38	4.7
3-Nitroaniline	ND		0.45	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	9.4
4-Bromophenyl phenyl ether	ND		0.42	4.7
4-Chloro-3-methylphenol	ND		0.42	4.7
4-Chloroaniline	ND		0.56	4.7
4-Chlorophenyl phenyl ether	ND		0.33	4.7
4-Methylphenol	ND		0.34	9.4
4-Nitroaniline	ND		0.24	9.4
4-Nitrophenol	ND		1.4	9.4
Acenaphthene	ND		0.39	4.7
Acenaphthylene	ND		0.36	4.7
Acetophenone	ND		0.51	4.7
Anthracene	ND		0.26	4.7
Atrazine	ND		0.43	4.7
Benzaldehyde	ND		0.25	4.7
Benzo(a)anthracene	ND		0.34	4.7
Benzo(a)pyrene	ND		0.44	4.7
Benzo(b)fluoranthene	ND		0.32	4.7
Benzo(g,h,i)perylene	ND		0.33	4.7
Benzo(k)fluoranthene	ND		0.69	4.7
Bis(2-chloroethoxy)methane	ND		0.33	4.7
Bis(2-chloroethyl)ether	ND		0.38	4.7
Bis(2-ethylhexyl) phthalate	ND		1.7	4.7
Butyl benzyl phthalate	ND		0.40	4.7
Caprolactam	ND		2.1	4.7
Carbazole	ND		0.28	4.7
Chrysene	ND		0.31	4.7
Di-n-butyl phthalate	0.32	J B	0.29	4.7
Di-n-octyl phthalate	ND		0.44	4.7
Dibenz(a,h)anthracene	ND		0.40	4.7

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: EB

Lab Sample ID: 480-10088-6EB

Date Sampled: 09/19/2011 1330

Client Matrix: Water

Date Received: 09/21/2011 1000

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-33187	Instrument ID:	HP5973X
Prep Method:	3510C	Prep Batch:	480-32537	Lab File ID:	X8467.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	09/28/2011 1351			Final Weight/Volume:	1 mL
Prep Date:	09/23/2011 0720			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.48	9.4
Diethyl phthalate	ND		0.21	4.7
Dimethyl phthalate	ND		0.34	4.7
Fluoranthene	ND		0.38	4.7
Fluorene	ND		0.34	4.7
Hexachlorobenzene	ND		0.48	4.7
Hexachlorobutadiene	ND		0.64	4.7
Hexachlorocyclopentadiene	ND		0.56	4.7
Hexachloroethane	ND		0.56	4.7
Indeno(1,2,3-cd)pyrene	ND		0.44	4.7
Isophorone	ND		0.41	4.7
N-Nitrosodi-n-propylamine	ND		0.51	4.7
N-Nitrosodiphenylamine	ND		0.48	4.7
Naphthalene	ND		0.72	4.7
Nitrobenzene	ND		0.27	4.7
Pentachlorophenol	ND		2.1	9.4
Phenanthrene	ND		0.42	4.7
Phenol	ND		0.37	4.7
Pyrene	ND		0.32	4.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	104		52 - 132
2-Fluorobiphenyl	76		48 - 120
2-Fluorophenol	31		20 - 120
Nitrobenzene-d5	72		46 - 120
p-Terphenyl-d14	84		24 - 136
Phenol-d5	24		16 - 120

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

Client Sample ID: EB

Lab Sample ID: 480-10088-6EB

Client Matrix: Water

Date Sampled: 09/19/2011 1330

Date Received: 09/21/2011 1000

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-33187	Instrument ID:	HP5973X
Prep Method:	3510C	Prep Batch:	480-32537	Lab File ID:	X8467.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	09/28/2011 1351			Final Weight/Volume:	1 mL
Prep Date:	09/23/2011 0720			Injection Volume:	1 uL

Tentatively Identified Compounds**Number TIC's Found: 12**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
100-51-6	Benzyl alcohol	4.91	1.8	J B
	Unknown	11.40	10	T J
	Unknown	11.92	7.3	T J
	Unknown	12.24	43	T J
	Unknown	12.67	17	T J
	Unknown	12.93	15	T J
	Unknown	13.18	4.3	T J
	Unknown	13.57	12	T J
	Unknown	13.82	4.1	T J
	Unknown	13.96	17	T J
	Unknown	14.57	18	T J
	Unknown	15.34	15	T J

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

General Chemistry**Client Sample ID:** SB-B3 (5-9)

Lab Sample ID: 480-10088-1

Date Sampled: 09/19/2011 1250

Client Matrix: Solid

Date Received: 09/21/2011 1000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-32507		Analysis Date: 09/22/2011 1754				DryWt Corrected: N
Percent Solids	84		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-32507		Analysis Date: 09/22/2011 1754				DryWt Corrected: N

Client: CHA Inc

Job Number: 480-10088-1

General Chemistry

Client Sample ID: SB-C2 (5-7)

Lab Sample ID: 480-10088-2

Date Sampled: 09/19/2011 1000

Client Matrix: Solid

Date Received: 09/21/2011 1000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-32507	Analysis Date: 09/22/2011 1754					DryWt Corrected: N
Percent Solids	86		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-32507	Analysis Date: 09/22/2011 1754					DryWt Corrected: N

Client: CHA Inc

Job Number: 480-10088-1

General Chemistry

Client Sample ID: SB-C5 (5-9)

Lab Sample ID: 480-10088-3

Date Sampled: 09/19/2011 0815

Client Matrix: Solid

Date Received: 09/21/2011 1000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.4		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-32507	Analysis Date: 09/22/2011 1754					DryWt Corrected: N
Percent Solids	91		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-32507	Analysis Date: 09/22/2011 1754					DryWt Corrected: N

Client: CHA Inc

Job Number: 480-10088-1

General Chemistry

Client Sample ID: SB-C7 (5-9)

Lab Sample ID: 480-10088-4

Date Sampled: 09/19/2011 1125

Client Matrix: Solid

Date Received: 09/21/2011 1000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-32507	Analysis Date: 09/22/2011 1754					DryWt Corrected: N
Percent Solids	83		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-32507	Analysis Date: 09/22/2011 1754					DryWt Corrected: N

Analytical Data

Client: CHA Inc

Job Number: 480-10088-1

General Chemistry**Client Sample ID:** MW-53 (5-8)

Lab Sample ID: 480-10088-5

Date Sampled: 09/19/2011 1305

Client Matrix: Solid

Date Received: 09/21/2011 1000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.3		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-32507		Analysis Date: 09/22/2011 1754				DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 480-32507		Analysis Date: 09/22/2011 1754				DryWt Corrected: N

Client: CHA Inc

Job Number: 480-10088-1

Surrogate Recovery Report**8260B Volatile Organic Compounds (GC/MS)****Client Matrix: Solid**

Lab Sample ID	Client Sample ID	DCA	TOL	BFB
		%Rec	%Rec	%Rec
480-10088-1	SB-B3 (5-9)	98	101	98
480-10088-2	SB-C2 (5-7)	97	102	100
480-10088-3	SB-C5 (5-9)	96	101	99
480-10088-4	SB-C7 (5-9)	93	101	100
480-10088-5	MW-53 (5-8)	97	101	101
MB 480-33080/5		93	101	96
LCS 480-33080/4		93	101	99

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	64-126
TOL = Toluene-d8 (Surr)	71-125
BFB = 4-Bromofluorobenzene (Surr)	72-126

Client: CHA Inc

Job Number: 480-10088-1

Surrogate Recovery Report**8260B Volatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-10088-6	EB	117	116	110
480-10088-7	TRIP BLANK	119	122	111
MB 480-33097/5		114	117	109
LCS 480-33097/4		113	118	111

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Client: CHA Inc

Job Number: 480-10088-1

Surrogate Recovery Report**8270C Semivolatile Organic Compounds (GC/MS)****Client Matrix: Solid**

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
480-10088-1	SB-B3 (5-9)	75	84	82	92	95	106
480-10088-2	SB-C2 (5-7)	80	94	88	96	119	115
480-10088-3	SB-C5 (5-9)	66	79	73	85	117	108
480-10088-4	SB-C7 (5-9)	87	101	91	98	129	125
480-10088-5	MW-53 (5-8)	71	77	76	80	99	94
MB 480-32474/1-A		93	96	92	100	131	128
LCS 480-32474/2-A		87	91	88	95	121	112
480-10088-1 MS	SB-B3 (5-9) MS	76	86	82	90	104	95
480-10088-1 MSD	SB-B3 (5-9) MSD	84	93	91	95	113	100

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	18-120
PHL = Phenol-d5	11-120
NBZ = Nitrobenzene-d5	34-132
FBP = 2-Fluorobiphenyl	37-120
TBP = 2,4,6-Tribromophenol	39-146
TPH = p-Terphenyl-d14	58-147

Client: CHA Inc

Job Number: 480-10088-1

Surrogate Recovery Report**8270C Semivolatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
480-10088-6	EB	31	24	72	76	104	84
MB 480-32537/1-A		40	33	86	77	107	94
LCS 480-32537/2-A		47	36	89	89	116	106
LCSD 480-32537/3-A		46	36	89	88	113	102

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	20-120
PHL = Phenol-d5	16-120
NBZ = Nitrobenzene-d5	46-120
FBP = 2-Fluorobiphenyl	48-120
TBP = 2,4,6-Tribromophenol	52-132
TPH = p-Terphenyl-d14	24-136

Quality Control Results

Client: CHA Inc

Job Number: 480-10088-1

Method Blank - Batch: 480-33080

Method: 8260B Preparation: N/A

Lab Sample ID: MB 480-33080/5
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/27/2011 1938
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-33080
Prep Batch: N/A
Leach Batch: N/A
Units: ug/Kg

Instrument ID: HP5973F
Lab File ID: F4209.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.36	5.0
1,1,2,2-Tetrachloroethane	ND		0.81	5.0
1,1,2-Trichloroethane	ND		0.65	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	5.0
1,1-Dichloroethane	ND		0.61	5.0
1,1-Dichloroethene	ND		0.61	5.0
1,2,4-Trichlorobenzene	ND		0.30	5.0
1,2-Dibromo-3-Chloropropane	ND		2.5	5.0
1,2-Dibromoethane	ND		0.64	5.0
1,2-Dichlorobenzene	ND		0.39	5.0
1,2-Dichloroethane	ND		0.25	5.0
1,2-Dichloropropane	ND		2.5	5.0
1,3-Dichlorobenzene	ND		0.26	5.0
1,4-Dichlorobenzene	ND		0.70	5.0
2-Hexanone	ND		2.5	25
2-Butanone (MEK)	ND		1.8	25
4-Methyl-2-pentanone (MIBK)	ND		1.6	25
Acetone	ND		4.2	25
Benzene	ND		0.25	5.0
Bromodichloromethane	ND		0.67	5.0
Bromoform	ND		2.5	5.0
Bromomethane	ND		0.45	5.0
Carbon disulfide	ND		2.5	5.0
Carbon tetrachloride	ND		0.48	5.0
Chlorobenzene	ND		0.66	5.0
Dibromochloromethane	ND		0.64	5.0
Chloroethane	ND		1.1	5.0
Chloroform	ND		0.31	5.0
Chloromethane	ND		0.30	5.0
cis-1,2-Dichloroethene	ND		0.64	5.0
cis-1,3-Dichloropropene	ND		0.72	5.0
Cyclohexane	ND		0.70	5.0
Dichlorodifluoromethane	ND		0.41	5.0
Ethylbenzene	ND		0.35	5.0
Isopropylbenzene	ND		0.75	5.0
Methyl acetate	ND		0.93	5.0
Methyl tert-butyl ether	ND		0.49	5.0
Methylcyclohexane	ND		0.76	5.0
Methylene Chloride	ND		2.3	5.0
Styrene	ND		0.25	5.0
Tetrachloroethene	ND		0.67	5.0
Toluene	ND		0.38	5.0
trans-1,2-Dichloroethene	ND		0.52	5.0
trans-1,3-Dichloropropene	ND		2.2	5.0
Trichloroethene	ND		1.1	5.0

Quality Control Results

Client: CHA Inc

Job Number: 480-10088-1

Method Blank - Batch: 480-33080

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 480-33080/5	Analysis Batch:	480-33080	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F4209.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	09/27/2011 1938	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.47	5.0
Vinyl chloride	ND		0.61	5.0
Xylenes, Total	ND		0.84	10

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	64 - 126
Toluene-d8 (Surr)	101	71 - 125
4-Bromofluorobenzene (Surr)	96	72 - 126

Method Blank TICs- Batch: 480-33080

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

Lab Control Sample - Batch: 480-33080

Method: 8260B
Preparation: N/A

Lab Sample ID:	LCS 480-33080/4	Analysis Batch:	480-33080	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F4208.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	09/27/2011 1912	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	50.0	50.9	102	79 - 126	
1,1-Dichloroethene	50.0	45.2	90	65 - 153	
1,2-Dichlorobenzene	50.0	46.9	94	75 - 120	
1,2-Dichloroethane	50.0	50.7	101	77 - 122	
Benzene	50.0	50.1	100	79 - 127	
Chlorobenzene	50.0	50.1	100	76 - 124	
cis-1,2-Dichloroethene	50.0	48.3	97	81 - 117	
Ethylbenzene	50.0	50.6	101	80 - 120	
Methyl tert-butyl ether	50.0	47.2	94	63 - 125	
Tetrachloroethene	50.0	49.3	99	74 - 122	
Toluene	50.0	47.7	95	74 - 128	
trans-1,2-Dichloroethene	50.0	49.9	100	78 - 126	
Trichloroethene	50.0	48.9	98	77 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	64 - 126
Toluene-d8 (Surr)	101	71 - 125
4-Bromofluorobenzene (Surr)	99	72 - 126

Quality Control Results

Client: CHA Inc

Job Number: 480-10088-1

Method Blank - Batch: 480-33097

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-33097/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 09/27/2011 2305
 Prep Date: 09/27/2011 2305
 Leach Date: N/A

Analysis Batch: 480-33097
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973S
 Lab File ID: S6333.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0

Quality Control Results

Client: CHA Inc

Job Number: 480-10088-1

Method Blank - Batch: 480-33097

Method: 8260B

Preparation: 5030B

Lab Sample ID:	MB 480-33097/5	Analysis Batch:	480-33097	Instrument ID:	HP5973S
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	S6333.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/27/2011 2305	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/27/2011 2305				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.88	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114	66 - 137
Toluene-d8 (Surr)	117	71 - 126
4-Bromofluorobenzene (Surr)	109	73 - 120

Method Blank TICs- Batch: 480-33097

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

Lab Control Sample - Batch: 480-33097

Method: 8260B

Preparation: 5030B

Lab Sample ID:	LCS 480-33097/4	Analysis Batch:	480-33097	Instrument ID:	HP5973S
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	S6332.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/27/2011 2243	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/27/2011 2243				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	24.1	96	71 - 129	
1,1-Dichloroethene	25.0	24.8	99	65 - 138	
1,2-Dichlorobenzene	25.0	25.0	100	77 - 120	
1,2-Dichloroethane	25.0	25.1	100	75 - 127	
Benzene	25.0	24.4	98	71 - 124	
Chlorobenzene	25.0	25.1	100	72 - 120	
cis-1,2-Dichloroethene	25.0	24.7	99	74 - 124	
Ethylbenzene	25.0	25.2	101	77 - 123	
Methyl tert-butyl ether	25.0	23.0	92	64 - 127	
Tetrachloroethene	25.0	25.3	101	74 - 122	
Toluene	25.0	24.8	99	70 - 122	
trans-1,2-Dichloroethene	25.0	24.7	99	73 - 127	
Trichloroethene	25.0	25.0	100	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113	66 - 137
Toluene-d8 (Surr)	118	71 - 126
4-Bromofluorobenzene (Surr)	111	73 - 120

Quality Control Results

Client: CHA Inc

Job Number: 480-10088-1

Method Blank - Batch: 480-32474

Method: 8270C Preparation: 3550B

Lab Sample ID: MB 480-32474/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/23/2011 1343
Prep Date: 09/22/2011 1536
Leach Date: N/A

Analysis Batch: 480-32612
Prep Batch: 480-32474
Leach Batch: N/A
Units: ug/Kg

Instrument ID: HP5973U
Lab File ID: U4501.D
Initial Weight/Volume: +30.61 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
2,4,5-Trichlorophenol	ND		36	170
2,4,6-Trichlorophenol	ND		11	170
2,4-Dichlorophenol	ND		8.7	170
2,4-Dimethylphenol	ND		45	170
2,4-Dinitrophenol	ND		58	320
2,4-Dinitrotoluene	ND		26	170
2,6-Dinitrotoluene	ND		40	170
2-Chloronaphthalene	ND		11	170
2-Chlorophenol	ND		8.4	170
2-Methylnaphthalene	ND		2.0	170
2-Methylphenol	ND		5.1	170
2-Nitroaniline	ND		53	320
2-Nitrophenol	ND		7.6	170
3,3'-Dichlorobenzidine	ND		150	170
3-Nitroaniline	ND		38	320
4,6-Dinitro-2-methylphenol	ND		57	320
4-Bromophenyl phenyl ether	ND		53	170
4-Chloro-3-methylphenol	ND		6.8	170
4-Chloroaniline	ND		49	170
4-Chlorophenyl phenyl ether	ND		3.5	170
4-Methylphenol	ND		9.2	320
4-Nitroaniline	ND		18	320
4-Nitrophenol	ND		40	320
Acenaphthene	ND		1.9	170
Acenaphthylene	ND		1.4	170
Acetophenone	ND		8.5	170
Anthracene	ND		4.2	170
Atrazine	ND		7.4	170
Benzaldehyde	ND		18	170
Benzo(a)anthracene	ND		2.9	170
Benzo(a)pyrene	ND		4.0	170
Benzo(b)fluoranthene	ND		3.2	170
Benzo(g,h,i)perylene	ND		2.0	170
Benzo(k)fluoranthene	ND		1.8	170
Biphenyl	ND		10	170
bis (2-chloroisopropyl) ether	ND		17	170
Bis(2-chloroethoxy)methane	ND		9.0	170
Bis(2-chloroethyl)ether	ND		14	170
Bis(2-ethylhexyl) phthalate	ND		53	170
Butyl benzyl phthalate	ND		44	170
Caprolactam	ND		72	170
Carbazole	ND		1.9	170
Chrysene	ND		1.7	170
Dibenz(a,h)anthracene	ND		1.9	170
Dibenzofuran	ND		1.7	170

Quality Control Results

Client: CHA Inc

Job Number: 480-10088-1

Method Blank - Batch: 480-32474

Method: 8270C Preparation: 3550B

Lab Sample ID: MB 480-32474/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/23/2011 1343
Prep Date: 09/22/2011 1536
Leach Date: N/A

Analysis Batch: 480-32612
Prep Batch: 480-32474
Leach Batch: N/A
Units: ug/Kg

Instrument ID: HP5973U
Lab File ID: U4501.D
Initial Weight/Volume: +30.61 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Diethyl phthalate	ND		5.0	170
Dimethyl phthalate	ND		4.3	170
Di-n-butyl phthalate	ND		57	170
Di-n-octyl phthalate	ND		3.9	170
Fluoranthene	ND		2.4	170
Fluorene	ND		3.8	170
Hexachlorobenzene	ND		8.2	170
Hexachlorobutadiene	ND		8.5	170
Hexachlorocyclopentadiene	ND		50	170
Hexachloroethane	ND		13	170
Indeno(1,2,3-cd)pyrene	ND		4.6	170
Isophorone	ND		8.3	170
Naphthalene	ND		2.8	170
Nitrobenzene	ND		7.3	170
N-Nitrosodi-n-propylamine	ND		13	170
N-Nitrosodiphenylamine	ND		9.0	170
Pentachlorophenol	ND		57	320
Phenanthrene	ND		3.5	170
Phenol	ND		17	170
Pyrene	ND		1.1	170

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	131	39 - 146
2-Fluorobiphenyl	100	37 - 120
2-Fluorophenol	93	18 - 120
Nitrobenzene-d5	92	34 - 132
p-Terphenyl-d14	128	58 - 147
Phenol-d5	96	11 - 120

Method Blank TICs- Batch: 480-32474

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

Quality Control Results

Client: CHA Inc

Job Number: 480-10088-1

Lab Control Sample - Batch: 480-32474

Method: 8270C

Preparation: 3550B

Lab Sample ID:	LCS 480-32474/2-A	Analysis Batch:	480-32612	Instrument ID:	HP5973U
Client Matrix:	Solid	Prep Batch:	480-32474	Lab File ID:	U4502.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+30.19 g
Analysis Date:	09/23/2011 1407	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/22/2011 1536			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-Dinitrophenol	3310	3690	111	35 - 146	
2,4-Dinitrotoluene	3310	3650	110	55 - 125	
2-Chlorophenol	3310	2890	87	38 - 120	
4-Chloro-3-methylphenol	3310	3320	100	49 - 125	
4-Nitrophenol	3310	3330	101	43 - 137	
Acenaphthene	3310	3510	106	53 - 120	
Bis(2-ethylhexyl) phthalate	3310	3660	110	61 - 133	
Fluorene	3310	3620	109	63 - 126	
Hexachloroethane	3310	2620	79	41 - 120	
N-Nitrosodi-n-propylamine	3310	3300	100	46 - 120	
Pentachlorophenol	3310	2770	84	33 - 136	
Phenol	3310	3010	91	36 - 120	
Pyrene	3310	3400	103	51 - 133	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	121	39 - 146
2-Fluorobiphenyl	95	37 - 120
2-Fluorophenol	87	18 - 120
Nitrobenzene-d5	88	34 - 132
p-Terphenyl-d14	112	58 - 147
Phenol-d5	91	11 - 120

Quality Control Results

Client: CHA Inc

Job Number: 480-10088-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 480-32474

Method: 8270C
Preparation: 3550B

MS Lab Sample ID: 480-10088-1
Client Matrix: Solid
Dilution: 2.0
Analysis Date: 09/26/2011 1500
Prep Date: 09/22/2011 1536
Leach Date: N/A

Analysis Batch: 480-32845
Prep Batch: 480-32474
Leach Batch: N/A

Instrument ID: HP5973U
Lab File ID: U4529.D
Initial Weight/Volume: +30.42 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

MSD Lab Sample ID: 480-10088-1
Client Matrix: Solid
Dilution: 2.0
Analysis Date: 09/26/2011 1524
Prep Date: 09/22/2011 1536
Leach Date: N/A

Analysis Batch: 480-32845
Prep Batch: 480-32474
Leach Batch: N/A

Instrument ID: HP5973U
Lab File ID: U4530.D
Initial Weight/Volume: +30.52 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
2,4-Dinitrophenol	60	59	35 - 146	1	22		
2,4-Dinitrotoluene	101	101	55 - 125	0	20		
2-Chlorophenol	81	89	38 - 120	9	25		
4-Chloro-3-methylphenol	88	94	49 - 125	7	27		
4-Nitrophenol	91	90	43 - 137	2	25		
Acenaphthene	100	104	53 - 120	4	35		
Bis(2-ethylhexyl) phthalate	94	97	61 - 133	4	15		
Fluorene	96	98	63 - 126	1	15		
Hexachloroethane	73	83	41 - 120	13	46		
N-Nitrosodi-n-propylamine	88	98	46 - 120	11	31		
Pentachlorophenol	56	60	33 - 136	8	35		
Phenol	84	92	36 - 120	9	35		
Pyrene	157	141	51 - 133	6	35	F	F

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	104	113	39 - 146
2-Fluorobiphenyl	90	95	37 - 120
2-Fluorophenol	76	84	18 - 120
Nitrobenzene-d5	82	91	34 - 132
p-Terphenyl-d14	95	100	58 - 147
Phenol-d5	86	93	11 - 120

Quality Control Results

Client: CHA Inc

Job Number: 480-10088-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 480-32474

Method: 8270C

Preparation: 3550B

MS Lab Sample ID: 480-10088-1 Units: ug/Kg
 Client Matrix: Solid
 Dilution: 2.0
 Analysis Date: 09/26/2011 1500
 Prep Date: 09/22/2011 1536
 Leach Date: N/A

MSD Lab Sample ID: 480-10088-1
 Client Matrix: Solid
 Dilution: 2.0
 Analysis Date: 09/26/2011 1524
 Prep Date: 09/22/2011 1536
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
2,4-Dinitrophenol	ND	3930	3920	2350	2330
2,4-Dinitrotoluene	ND	3930	3920	3970	3970
2-Chlorophenol	ND	3930	3920	3180	3470
4-Chloro-3-methylphenol	ND	3930	3920	3440	3680
4-Nitrophenol	ND	3930	3920	3590	3530
Acenaphthene	86 J	3930	3920	4010	4150
Bis(2-ethylhexyl) phthalate	ND	3930	3920	3680	3820
Fluorene	64 J	3930	3920	3840	3900
Hexachloroethane	ND	3930	3920	2850	3260
N-Nitrosodi-n-propylamine	ND	3930	3920	3460	3850
Pentachlorophenol	ND	3930	3920	2190	2370
Phenol	ND	3930	3920	3290	3610
Pyrene	5800	3930	3920	12000 F	11300 F

Quality Control Results

Client: CHA Inc

Job Number: 480-10088-1

Method Blank - Batch: 480-32537

Method: 8270C

Preparation: 3510C

Lab Sample ID: MB 480-32537/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 09/27/2011 1820
Prep Date: 09/23/2011 0720
Leach Date: N/A

Analysis Batch: 480-32985
Prep Batch: 480-32537
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973X
Lab File ID: X8421.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
2,4,5-Trichlorophenol	ND		0.48	5.0
2,4,6-Trichlorophenol	ND		0.61	5.0
2,4-Dichlorophenol	ND		0.51	5.0
2,4-Dimethylphenol	ND		0.50	5.0
2,4-Dinitrophenol	ND		2.2	10
2,4-Dinitrotoluene	ND		0.45	5.0
2,6-Dinitrotoluene	ND		0.40	5.0
2-Chloronaphthalene	ND		0.46	5.0
2-Chlorophenol	ND		0.53	5.0
2-Methylnaphthalene	ND		0.60	5.0
2-Methylphenol	ND		0.40	5.0
2-Nitroaniline	ND		0.42	10
2-Nitrophenol	ND		0.48	5.0
3,3'-Dichlorobenzidine	ND		0.40	5.0
3-Nitroaniline	ND		0.48	10
4,6-Dinitro-2-methylphenol	ND		2.2	10
4-Bromophenyl phenyl ether	ND		0.45	5.0
4-Chloro-3-methylphenol	ND		0.45	5.0
4-Chloroaniline	ND		0.59	5.0
4-Chlorophenyl phenyl ether	ND		0.35	5.0
4-Methylphenol	ND		0.36	10
4-Nitroaniline	ND		0.25	10
4-Nitrophenol	ND		1.5	10
Acenaphthene	ND		0.41	5.0
Acenaphthylene	ND		0.38	5.0
Acetophenone	ND		0.54	5.0
Anthracene	ND		0.28	5.0
Atrazine	ND		0.46	5.0
Benzaldehyde	ND		0.27	5.0
Benzo(a)anthracene	ND		0.36	5.0
Benzo(a)pyrene	ND		0.47	5.0
Benzo(b)fluoranthene	ND		0.34	5.0
Benzo(g,h,i)perylene	ND		0.35	5.0
Benzo(k)fluoranthene	ND		0.73	5.0
Biphenyl	ND		0.65	5.0
bis (2-chloroisopropyl) ether	ND		0.52	5.0
Bis(2-chloroethoxy)methane	ND		0.35	5.0
Bis(2-chloroethyl)ether	ND		0.40	5.0
Bis(2-ethylhexyl) phthalate	ND		1.8	5.0
Butyl benzyl phthalate	ND		0.42	5.0
Caprolactam	ND		2.2	5.0
Carbazole	ND		0.30	5.0
Chrysene	ND		0.33	5.0
Dibenz(a,h)anthracene	ND		0.42	5.0
Dibenzofuran	ND		0.51	10

Quality Control Results

Client: CHA Inc

Job Number: 480-10088-1

Method Blank - Batch: 480-32537

Method: 8270C Preparation: 3510C

Lab Sample ID: MB 480-32537/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 09/27/2011 1820
Prep Date: 09/23/2011 0720
Leach Date: N/A

Analysis Batch: 480-32985
Prep Batch: 480-32537
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973X
Lab File ID: X8421.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Diethyl phthalate	ND		0.22	5.0
Dimethyl phthalate	ND		0.36	5.0
Di-n-butyl phthalate	0.457	J	0.31	5.0
Di-n-octyl phthalate	ND		0.47	5.0
Fluoranthene	ND		0.40	5.0
Fluorene	ND		0.36	5.0
Hexachlorobenzene	ND		0.51	5.0
Hexachlorobutadiene	ND		0.68	5.0
Hexachlorocyclopentadiene	ND		0.59	5.0
Hexachloroethane	ND		0.59	5.0
Indeno(1,2,3-cd)pyrene	ND		0.47	5.0
Isophorone	ND		0.43	5.0
Naphthalene	ND		0.76	5.0
Nitrobenzene	ND		0.29	5.0
N-Nitrosodi-n-propylamine	ND		0.54	5.0
N-Nitrosodiphenylamine	ND		0.51	5.0
Pentachlorophenol	ND		2.2	10
Phenanthrene	ND		0.44	5.0
Phenol	ND		0.39	5.0
Pyrene	ND		0.34	5.0

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	107	52 - 132
2-Fluorobiphenyl	77	48 - 120
2-Fluorophenol	40	20 - 120
Nitrobenzene-d5	86	46 - 120
p-Terphenyl-d14	94	24 - 136
Phenol-d5	33	16 - 120

Quality Control Results

Client: CHA Inc

Job Number: 480-10088-1

Method Blank TICs- Batch: 480-32537

Cas Number	Analyte	RT	Est. Result	Qual
	Unknown	11.42	11.3	T J
	Unknown	11.93	9.09	T J
	Unknown	12.15	6.73	T J
	Unknown	12.26	61.1	T J
	Unknown	12.69	20.9	T J
	Unknown	12.84	5.56	T J
	Unknown	12.96	50.2	T J
	Unknown	13.20	5.53	T J
	Unknown	13.37	25.0	T J
	Unknown	13.47	4.50	T J
	Unknown	13.84	5.95	T J
	Unknown	13.99	26.4	T J
	Unknown	14.60	27.0	T J
	Unknown	15.38	23.2	T J
100-51-6	Benzyl alcohol	4.94	1.31	J

Quality Control Results

Client: CHA Inc

Job Number: 480-10088-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 480-32537

Method: 8270C

Preparation: 3510C

LCS Lab Sample ID: LCS 480-32537/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 09/27/2011 1843
Prep Date: 09/23/2011 0720
Leach Date: N/A

Analysis Batch: 480-32985
Prep Batch: 480-32537
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973X
Lab File ID: X8422.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

LCSD Lab Sample ID: LCSD 480-32537/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 09/27/2011 1906
Prep Date: 09/23/2011 0720
Leach Date: N/A

Analysis Batch: 480-32985
Prep Batch: 480-32537
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973X
Lab File ID: X8423.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
2,4-Dinitrophenol	107	101	42 - 153	6	22		
2,4-Dinitrotoluene	112	113	59 - 125	1	20		
2-Chlorophenol	75	78	48 - 120	4	25		
4-Chloro-3-methylphenol	107	102	64 - 120	4	27		
4-Nitrophenol	63	60	16 - 120	4	48		
Acenaphthene	89	88	60 - 120	0	24		
Bis(2-ethylhexyl) phthalate	117	114	69 - 136	2	15		
Fluorene	101	102	66 - 129	1	15		
Hexachloroethane	53	54	25 - 120	2	46		
N-Nitrosodi-n-propylamine	96	94	56 - 120	2	31		
Pentachlorophenol	110	106	39 - 136	4	37		
Phenol	42	44	17 - 120	3	34		
Pyrene	104	102	58 - 136	2	19		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	116	113	52 - 132
2-Fluorobiphenyl	89	88	48 - 120
2-Fluorophenol	47	46	20 - 120
Nitrobenzene-d5	89	89	46 - 120
p-Terphenyl-d14	106	102	24 - 136
Phenol-d5	36	36	16 - 120

Quality Control Results

Client: CHA Inc

Job Number: 480-10088-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 480-32537**

**Method: 8270C
Preparation: 3510C**

LCS Lab Sample ID: LCS 480-32537/2-A Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 09/27/2011 1843
Prep Date: 09/23/2011 0720
Leach Date: N/A

LCSD Lab Sample ID: LCSD 480-32537/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 09/27/2011 1906
Prep Date: 09/23/2011 0720
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
2,4-Dinitrophenol	100	100	107	101
2,4-Dinitrotoluene	100	100	112	113
2-Chlorophenol	100	100	75.3	78.3
4-Chloro-3-methylphenol	100	100	107	102
4-Nitrophenol	100	100	62.8	60.2
Acenaphthene	100	100	88.7	88.4
Bis(2-ethylhexyl) phthalate	100	100	117	114
Fluorene	100	100	101	102
Hexachloroethane	100	100	53.1	54.4
N-Nitrosodi-n-propylamine	100	100	95.6	94.0
Pentachlorophenol	100	100	110	106
Phenol	100	100	42.2	43.5
Pyrene	100	100	104	102

DATA REPORTING QUALIFIERS

Client: CHA Inc

Job Number: 480-10088-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Indicates an Estimated Value for TICs
	N	Presumptive evidence of material.
	T	Result is a tentatively identified compound (TIC) and an estimated value.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	B	Compound was found in the blank and sample.
	J	Indicates an Estimated Value for TICs
	F	MS or MSD exceeds the control limits
	N	Presumptive evidence of material.
	E	Result exceeded calibration range.
	T	Result is a tentatively identified compound (TIC) and an estimated value.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits

Quality Control Results

Client: CHA Inc

Job Number: 480-10088-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-33080					
LCS 480-33080/4	Lab Control Sample	T	Solid	8260B	
MB 480-33080/5	Method Blank	T	Solid	8260B	
480-10088-1	SB-B3 (5-9)	T	Solid	8260B	480-33092
480-10088-2	SB-C2 (5-7)	T	Solid	8260B	480-33092
480-10088-3	SB-C5 (5-9)	T	Solid	8260B	480-33092
480-10088-4	SB-C7 (5-9)	T	Solid	8260B	480-33092
480-10088-5	MW-53 (5-8)	T	Solid	8260B	480-33092
Prep Batch: 480-33092					
480-10088-1	SB-B3 (5-9)	T	Solid	5035	
480-10088-2	SB-C2 (5-7)	T	Solid	5035	
480-10088-3	SB-C5 (5-9)	T	Solid	5035	
480-10088-4	SB-C7 (5-9)	T	Solid	5035	
480-10088-5	MW-53 (5-8)	T	Solid	5035	
Analysis Batch:480-33097					
LCS 480-33097/4	Lab Control Sample	T	Water	8260B	
MB 480-33097/5	Method Blank	T	Water	8260B	
480-10088-6EB	EB	T	Water	8260B	
480-10088-7TB	TRIP BLANK	T	Water	8260B	

Report Basis

T = Total

Quality Control Results

Client: CHA Inc

Job Number: 480-10088-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
GC/MS Semi VOA					
Prep Batch: 480-32474					
LCS 480-32474/2-A	Lab Control Sample	T	Solid	3550B	
MB 480-32474/1-A	Method Blank	T	Solid	3550B	
480-10088-1	SB-B3 (5-9)	T	Solid	3550B	
480-10088-1MS	Matrix Spike	T	Solid	3550B	
480-10088-1MSD	Matrix Spike Duplicate	T	Solid	3550B	
480-10088-2	SB-C2 (5-7)	T	Solid	3550B	
480-10088-3	SB-C5 (5-9)	T	Solid	3550B	
480-10088-4	SB-C7 (5-9)	T	Solid	3550B	
480-10088-5	MW-53 (5-8)	T	Solid	3550B	
Prep Batch: 480-32537					
LCS 480-32537/2-A	Lab Control Sample	T	Water	3510C	
LCSD 480-32537/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 480-32537/1-A	Method Blank	T	Water	3510C	
480-10088-6EB	EB	T	Water	3510C	
Analysis Batch:480-32612					
LCS 480-32474/2-A	Lab Control Sample	T	Solid	8270C	480-32474
MB 480-32474/1-A	Method Blank	T	Solid	8270C	480-32474
480-10088-2	SB-C2 (5-7)	T	Solid	8270C	480-32474
480-10088-3	SB-C5 (5-9)	T	Solid	8270C	480-32474
480-10088-4	SB-C7 (5-9)	T	Solid	8270C	480-32474
480-10088-5	MW-53 (5-8)	T	Solid	8270C	480-32474
Analysis Batch:480-32845					
480-10088-1	SB-B3 (5-9)	T	Solid	8270C	480-32474
480-10088-1MS	Matrix Spike	T	Solid	8270C	480-32474
480-10088-1MSD	Matrix Spike Duplicate	T	Solid	8270C	480-32474
Analysis Batch:480-32985					
LCS 480-32537/2-A	Lab Control Sample	T	Water	8270C	480-32537
LCSD 480-32537/3-A	Lab Control Sample Duplicate	T	Water	8270C	480-32537
MB 480-32537/1-A	Method Blank	T	Water	8270C	480-32537
Analysis Batch:480-33187					
480-10088-6EB	EB	T	Water	8270C	480-32537

Report Basis

T = Total

Quality Control Results

Client: CHA Inc

Job Number: 480-10088-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:480-32507					
480-10088-1	SB-B3 (5-9)	T	Solid	Moisture	
480-10088-2	SB-C2 (5-7)	T	Solid	Moisture	
480-10088-3	SB-C5 (5-9)	T	Solid	Moisture	
480-10088-4	SB-C7 (5-9)	T	Solid	Moisture	
480-10088-5	MW-53 (5-8)	T	Solid	Moisture	

Report Basis

T = Total

Quality Control Results

Client: CHA Inc

Job Number: 480-10088-1

Laboratory Chronicle

Lab ID: 480-10088-1

Client ID: SB-B3 (5-9)

Sample Date/Time: 09/19/2011 12:50

Received Date/Time: 09/21/2011 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-10088-A-1-A		480-33080	480-33092	09/27/2011 19:24	1	TAL BUF	PJQ
A:8260B	480-10088-A-1-A		480-33080	480-33092	09/27/2011 21:05	1	TAL BUF	PJQ
P:3550B	480-10088-E-1-C		480-32845	480-32474	09/22/2011 15:36	2	TAL BUF	DE
A:8270C	480-10088-E-1-C		480-32845	480-32474	09/26/2011 15:47	2	TAL BUF	RMM
A:Moisture	480-10088-A-1		480-32507		09/22/2011 17:54	1	TAL BUF	ZLR

Lab ID: 480-10088-1 MS

Client ID: SB-B3 (5-9)

Sample Date/Time: 09/19/2011 12:50

Received Date/Time: 09/21/2011 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	480-10088-E-1-A MS		480-32845	480-32474	09/22/2011 15:36	2	TAL BUF	DE
A:8270C	480-10088-E-1-A MS		480-32845	480-32474	09/26/2011 15:00	2	TAL BUF	RMM

Lab ID: 480-10088-1 MSD

Client ID: SB-B3 (5-9)

Sample Date/Time: 09/19/2011 12:50

Received Date/Time: 09/21/2011 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	480-10088-E-1-B MSD		480-32845	480-32474	09/22/2011 15:36	2	TAL BUF	DE
A:8270C	480-10088-E-1-B MSD		480-32845	480-32474	09/26/2011 15:24	2	TAL BUF	RMM

Lab ID: 480-10088-2

Client ID: SB-C2 (5-7)

Sample Date/Time: 09/19/2011 10:00

Received Date/Time: 09/21/2011 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-10088-A-2-A		480-33080	480-33092	09/27/2011 19:24	1	TAL BUF	PJQ
A:8260B	480-10088-A-2-A		480-33080	480-33092	09/27/2011 21:31	1	TAL BUF	PJQ
P:3550B	480-10088-E-2-A		480-32612	480-32474	09/22/2011 15:36	1	TAL BUF	DE
A:8270C	480-10088-E-2-A		480-32612	480-32474	09/23/2011 15:59	1	TAL BUF	RMM
A:Moisture	480-10088-A-2		480-32507		09/22/2011 17:54	1	TAL BUF	ZLR

Quality Control Results

Client: CHA Inc

Job Number: 480-10088-1

Laboratory Chronicle

Lab ID: 480-10088-3

Client ID: SB-C5 (5-9)

Sample Date/Time: 09/19/2011 08:15

Received Date/Time: 09/21/2011 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-10088-A-3-A		480-33080	480-33092	09/27/2011 19:24	1	TAL BUF	PJQ
A:8260B	480-10088-A-3-A		480-33080	480-33092	09/27/2011 22:06	1	TAL BUF	PJQ
P:3550B	480-10088-E-3-A		480-32612	480-32474	09/22/2011 15:36	1	TAL BUF	DE
A:8270C	480-10088-E-3-A		480-32612	480-32474	09/23/2011 16:23	1	TAL BUF	RMM
A:Moisture	480-10088-A-3		480-32507		09/22/2011 17:54	1	TAL BUF	ZLR

Lab ID: 480-10088-4

Client ID: SB-C7 (5-9)

Sample Date/Time: 09/19/2011 11:25

Received Date/Time: 09/21/2011 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-10088-A-4-A		480-33080	480-33092	09/27/2011 19:24	1	TAL BUF	PJQ
A:8260B	480-10088-A-4-A		480-33080	480-33092	09/27/2011 22:32	1	TAL BUF	PJQ
P:3550B	480-10088-E-4-A		480-32612	480-32474	09/22/2011 15:36	1	TAL BUF	DE
A:8270C	480-10088-E-4-A		480-32612	480-32474	09/23/2011 16:46	1	TAL BUF	RMM
A:Moisture	480-10088-A-4		480-32507		09/22/2011 17:54	1	TAL BUF	ZLR

Lab ID: 480-10088-5

Client ID: MW-53 (5-8)

Sample Date/Time: 09/19/2011 13:05

Received Date/Time: 09/21/2011 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-10088-A-5-A		480-33080	480-33092	09/27/2011 19:24	1	TAL BUF	PJQ
A:8260B	480-10088-A-5-A		480-33080	480-33092	09/27/2011 22:57	1	TAL BUF	PJQ
P:3550B	480-10088-E-5-A		480-32612	480-32474	09/22/2011 15:36	1	TAL BUF	DE
A:8270C	480-10088-E-5-A		480-32612	480-32474	09/23/2011 17:10	1	TAL BUF	RMM
A:Moisture	480-10088-A-5		480-32507		09/22/2011 17:54	1	TAL BUF	ZLR

Lab ID: 480-10088-6

Client ID: EB

Sample Date/Time: 09/19/2011 13:30

Received Date/Time: 09/21/2011 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-10088-E-6		480-33097		09/28/2011 02:38	1	TAL BUF	DC
A:8260B	480-10088-E-6		480-33097		09/28/2011 02:38	1	TAL BUF	DC
P:3510C	480-10088-A-6-A		480-33187	480-32537	09/23/2011 07:20	1	TAL BUF	KV
A:8270C	480-10088-A-6-A		480-33187	480-32537	09/28/2011 13:51	1	TAL BUF	MP

Quality Control Results

Client: CHA Inc

Job Number: 480-10088-1

Laboratory Chronicle

Lab ID: 480-10088-7

Client ID: TRIP BLANK

Sample Date/Time: 09/19/2011 00:00

Received Date/Time: 09/21/2011 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-10088-A-7		480-33097		09/28/2011 03:00	1	TAL BUF	DC
A:8260B	480-10088-A-7		480-33097		09/28/2011 03:00	1	TAL BUF	DC

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:8260B	MB 480-33080/5		480-33080		09/27/2011 19:38	1	TAL BUF	PJQ
P:5030B	MB 480-33097/5		480-33097		09/27/2011 23:05	1	TAL BUF	DC
A:8260B	MB 480-33097/5		480-33097		09/27/2011 23:05	1	TAL BUF	DC
P:3550B	MB 480-32474/1-A		480-32612	480-32474	09/22/2011 15:36	1	TAL BUF	DE
A:8270C	MB 480-32474/1-A		480-32612	480-32474	09/23/2011 13:43	1	TAL BUF	RMM
P:3510C	MB 480-32537/1-A		480-32985	480-32537	09/23/2011 07:20	1	TAL BUF	KV
A:8270C	MB 480-32537/1-A		480-32985	480-32537	09/27/2011 18:20	1	TAL BUF	MP

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:8260B	LCS 480-33080/4		480-33080		09/27/2011 19:12	1	TAL BUF	PJQ
P:5030B	LCS 480-33097/4		480-33097		09/27/2011 22:43	1	TAL BUF	DC
A:8260B	LCS 480-33097/4		480-33097		09/27/2011 22:43	1	TAL BUF	DC
P:3550B	LCS 480-32474/2-A		480-32612	480-32474	09/22/2011 15:36	1	TAL BUF	DE
A:8270C	LCS 480-32474/2-A		480-32612	480-32474	09/23/2011 14:07	1	TAL BUF	RMM
P:3510C	LCS 480-32537/2-A		480-32985	480-32537	09/23/2011 07:20	1	TAL BUF	KV
A:8270C	LCS 480-32537/2-A		480-32985	480-32537	09/27/2011 18:43	1	TAL BUF	MP

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	LCSD 480-32537/3-A		480-32985	480-32537	09/23/2011 07:20	1	TAL BUF	KV
A:8270C	LCSD 480-32537/3-A		480-32985	480-32537	09/27/2011 19:06	1	TAL BUF	MP

Lab References:

TAL BUF = TestAmerica Buffalo

Certification Summary

Client: CHA Inc
Project/Site: ALCO-Maxon Site

TestAmerica Job ID: 480-10088-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas	State Program	6	88-0686
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	Georgia EPD	4	N/A
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Illinois	NELAC	5	100325 / 200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	Kentucky UST	4	30
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY0044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Hampshire	NELAC	1	68-00281
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-08-TX
TestAmerica Buffalo	USDA	USDA		P330-08-00242
TestAmerica Buffalo	Virginia	NELAC Secondary AB	3	460185
TestAmerica Buffalo	Virginia	State Program	3	278
TestAmerica Buffalo	Washington	State Program	10	C1677
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

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

Method 8260B

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Matrix: Solid Level: Low
GC Column (1): ZB-624 (60) ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
SB-B3 (5-9)	480-10088-1	98	101	98
SB-C2 (5-7)	480-10088-2	97	102	100
SB-C5 (5-9)	480-10088-3	96	101	99
SB-C7 (5-9)	480-10088-4	93	101	100
MW-53 (5-8)	480-10088-5	97	101	101
	MB 480-33080/5	93	101	96
	LCS 480-33080/4	93	101	99

	<u>QC LIMITS</u>
DCA = 1,2-Dichloroethane-d4 (Surr)	64-126
TOL = Toluene-d8 (Surr)	71-125
BFB = 4-Bromofluorobenzene (Surr)	72-126

Column to be used to flag recovery values

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Matrix: Water Level: Low
GC Column (1): ZB-624 (60) ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
EB	480-10088-6	117	116	110
TRIP BLANK	480-10088-7	119	122	111
	MB 480-33097/5	114	117	109
	LCS 480-33097/4	113	118	111

	<u>QC LIMITS</u>
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: F4208.D
 Lab ID: LCS 480-33080/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	50.0	50.9	102	79-126	
1,1-Dichloroethene	50.0	45.2	90	65-153	
1,2-Dichlorobenzene	50.0	46.9	94	75-120	
1,2-Dichloroethane	50.0	50.7	101	77-122	
Benzene	50.0	50.1	100	79-127	
Chlorobenzene	50.0	50.1	100	76-124	
cis-1,2-Dichloroethene	50.0	48.3	97	81-117	
Ethylbenzene	50.0	50.6	101	80-120	
Methyl tert-butyl ether	50.0	47.2	94	63-125	
Tetrachloroethene	50.0	49.3	99	74-122	
Toluene	50.0	47.7	95	74-128	
trans-1,2-Dichloroethene	50.0	49.9	100	78-126	
Trichloroethene	50.0	48.9	98	77-129	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S6332.D
 Lab ID: LCS 480-33097/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	24.1	96	71-129	
1,1-Dichloroethene	25.0	24.8	99	65-138	
1,2-Dichlorobenzene	25.0	25.0	100	77-120	
1,2-Dichloroethane	25.0	25.1	100	75-127	
Benzene	25.0	24.4	98	71-124	
Chlorobenzene	25.0	25.1	100	72-120	
cis-1,2-Dichloroethene	25.0	24.7	99	74-124	
Ethylbenzene	25.0	25.2	101	77-123	
Methyl tert-butyl ether	25.0	23.0	92	64-127	
Tetrachloroethene	25.0	25.3	101	74-122	
Toluene	25.0	24.8	99	70-122	
trans-1,2-Dichloroethene	25.0	24.7	99	73-127	
Trichloroethene	25.0	25.0	100	74-123	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Lab File ID: F4209.D Lab Sample ID: MB 480-33080/5
Matrix: Solid Heated Purge: (Y/N) N
Instrument ID: HP5973F Date Analyzed: 09/27/2011 19:38
GC Column: ZB-624 (60) ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-33080/4	F4208.D	09/27/2011 19:12
SB-B3 (5-9)	480-10088-1	F4212.D	09/27/2011 21:05
SB-C2 (5-7)	480-10088-2	F4213.D	09/27/2011 21:31
SB-C5 (5-9)	480-10088-3	F4214.D	09/27/2011 22:06
SB-C7 (5-9)	480-10088-4	F4215.D	09/27/2011 22:32
MW-53 (5-8)	480-10088-5	F4216.D	09/27/2011 22:57

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Lab File ID: S6333.D Lab Sample ID: MB 480-33097/5
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973S Date Analyzed: 09/27/2011 23:05
GC Column: ZB-624 (60) ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-33097/4	S6332.D	09/27/2011 22:43
EB	480-10088-6	S6340.D	09/28/2011 02:38
TRIP BLANK	480-10088-7	S6341.D	09/28/2011 03:00

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Lab File ID: F3627.D BFB Injection Date: 08/31/2011
 Instrument ID: HP5973F BFB Injection Time: 14:02
 Analysis Batch No.: 29632

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.6
75	30.0 - 60.0 % of mass 95	42.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.5
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	83.8
175	5.0 - 9.0 % of mass 174	6.4 (7.7) 1
176	95.0 - 101.0 % of mass 174	82.1 (97.9) 1
177	5.0 - 9.0 % of mass 176	5.6 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD7 480-29632/12	F3638.D	08/31/2011	18:44
	STD8 480-29632/13	F3639.D	08/31/2011	19:10
	STD9 480-29632/14	F3640.D	08/31/2011	19:35
	STD10 480-29632/15	F3641.D	08/31/2011	20:01
	STD11 480-29632/16	F3642.D	08/31/2011	20:26
	STD12 480-29632/17	F3643.D	08/31/2011	20:52

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Lab File ID: F3645.D BFB Injection Date: 09/01/2011
 Instrument ID: HP5973F BFB Injection Time: 12:36
 Analysis Batch No.: 29774

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.8
75	30.0 - 60.0 % of mass 95	44.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.6
173	Less than 2.0 % of mass 174	0.3 (0.3) 1
174	50.0 - 120.00 % of mass 95	83.9
175	5.0 - 9.0 % of mass 174	6.6 (7.9) 1
176	95.0 - 101.0 % of mass 174	82.0 (97.8) 1
177	5.0 - 9.0 % of mass 176	5.4 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD1 480-29774/3	F3647.D	09/01/2011	13:30
	STD2 480-29774/4	F3648.D	09/01/2011	13:56
	STD3 480-29774/5	F3649.D	09/01/2011	14:22
	STD4 480-29774/6	F3650.D	09/01/2011	14:47
	STD5 480-29774/7	F3651.D	09/01/2011	15:13
	STD6 480-29774/8	F3652.D	09/01/2011	15:38

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Lab File ID: F4205.D BFB Injection Date: 09/27/2011
 Instrument ID: HP5973F BFB Injection Time: 17:41
 Analysis Batch No.: 33080

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	21.1
75	30.0 - 60.0 % of mass 95	43.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.4
173	Less than 2.0 % of mass 174	0.3 (0.4) 1
174	50.0 - 120.00 % of mass 95	88.5
175	5.0 - 9.0 % of mass 174	6.3 (7.1) 1
176	95.0 - 101.0 % of mass 174	86.3 (97.6) 1
177	5.0 - 9.0 % of mass 176	5.7 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-33080/2	F4206.D	09/27/2011	18:11
	CCV 480-33080/3	F4207.D	09/27/2011	18:46
	LCS 480-33080/4	F4208.D	09/27/2011	19:12
	MB 480-33080/5	F4209.D	09/27/2011	19:38
SB-B3 (5-9)	480-10088-1	F4212.D	09/27/2011	21:05
SB-C2 (5-7)	480-10088-2	F4213.D	09/27/2011	21:31
SB-C5 (5-9)	480-10088-3	F4214.D	09/27/2011	22:06
SB-C7 (5-9)	480-10088-4	F4215.D	09/27/2011	22:32
MW-53 (5-8)	480-10088-5	F4216.D	09/27/2011	22:57

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Lab File ID: S6119.D BFB Injection Date: 09/20/2011
Instrument ID: HP5973S BFB Injection Time: 13:54
Analysis Batch No.: 32019

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	16.0
75	30.0 - 60.0 % of mass 95	44.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.7
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	77.8
175	5.0 - 9.0 % of mass 174	5.6 (7.1) 1
176	95.0 - 101.0 % of mass 174	74.1 (95.3) 1
177	5.0 - 9.0 % of mass 176	4.9 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD 480-32019/3	S6121.D	09/20/2011	14:39
	STD 480-32019/4	S6122.D	09/20/2011	15:00
	STD 480-32019/5	S6123.D	09/20/2011	15:23
	STD 480-32019/6	S6124.D	09/20/2011	15:45
	STD 480-32019/7	S6125.D	09/20/2011	16:07
	STD 480-32019/8	S6126.D	09/20/2011	16:29

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Lab File ID: S6329.D BFB Injection Date: 09/27/2011
 Instrument ID: HP5973S BFB Injection Time: 21:23
 Analysis Batch No.: 33097

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.4
75	30.0 - 60.0 % of mass 95	47.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.2
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	77.4
175	5.0 - 9.0 % of mass 174	5.6 (7.2) 1
176	95.0 - 101.0 % of mass 174	74.3 (96.0) 1
177	5.0 - 9.0 % of mass 176	5.1 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-33097/2	S6330.D	09/27/2011	21:59
	LCS 480-33097/4	S6332.D	09/27/2011	22:43
	MB 480-33097/5	S6333.D	09/27/2011	23:05
EB	480-10088-6	S6340.D	09/28/2011	02:38
TRIP BLANK	480-10088-7	S6341.D	09/28/2011	03:00

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Sample No.: STD4 480-29774/6 Date Analyzed: 09/01/2011 14:47
Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm)
Lab File ID (Standard): F3650.D Heated Purge: (Y/N) N
Calibration ID: 3805

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		499896	5.74	231818	8.52	257664	10.82
UPPER LIMIT		999792	6.24	463636	9.02	515328	11.32
LOWER LIMIT		249948	5.24	115909	8.02	128832	10.32
LAB SAMPLE ID		CLIENT SAMPLE ID					
CCVIS 480-33080/2		398302	5.74	185344	8.52	210443	10.82

DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Sample No.: CCVIS 480-33080/2 Date Analyzed: 09/27/2011 18:11
 Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): F4206.D Heated Purge: (Y/N) N
 Calibration ID: 3805

	DFB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	398302	5.74	185344	8.52	210443	10.82	
UPPER LIMIT	796604	6.24	370688	9.02	420886	11.32	
LOWER LIMIT	199151	5.24	92672	8.02	105222	10.32	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-33080/3		394214	5.74	182861	8.52	203673	10.82
LCS 480-33080/4		377396	5.74	176514	8.52	194699	10.82
MB 480-33080/5		368958	5.74	174139	8.52	188439	10.82
480-10088-1	SB-B3 (5-9)	363052	5.74	170746	8.52	174246	10.82
480-10088-2	SB-C2 (5-7)	365355	5.74	171463	8.52	183777	10.82
480-10088-3	SB-C5 (5-9)	374488	5.74	174479	8.52	189650	10.82
480-10088-4	SB-C7 (5-9)	378984	5.74	179911	8.52	197843	10.82
480-10088-5	MW-53 (5-8)	369709	5.74	175028	8.52	196566	10.82

DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Sample No.: STD 480-32019/6 Date Analyzed: 09/20/2011 15:45
Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm)
Lab File ID (Standard): S6124.D Heated Purge: (Y/N) N
Calibration ID: 3899

	DFB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	577531	4.93	271145	7.13	268804	8.99	
UPPER LIMIT	1155062	5.43	542290	7.63	537608	9.49	
LOWER LIMIT	288766	4.43	135573	6.63	134402	8.49	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-33097/2		519272	4.93	241849	7.13	250406	8.99

DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Sample No.: CCVIS 480-33097/2 Date Analyzed: 09/27/2011 21:59
 Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): S6330.D Heated Purge: (Y/N) N
 Calibration ID: 3900

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		519272	4.93	241849	7.13	250406	8.99
UPPER LIMIT		1038544	5.43	483698	7.63	500812	9.49
LOWER LIMIT		259636	4.43	120925	6.63	125203	8.49
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 480-33097/4		522737	4.93	240214	7.13	249086	8.99
MB 480-33097/5		514773	4.94	236128	7.13	244220	8.99
480-10088-6		EB	492828	4.93	227556	7.13	232621
480-10088-7		TRIP BLANK	489935	4.94	221877	7.13	225793

DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Client Sample ID: SB-B3 (5-9) Lab Sample ID: 480-10088-1

Matrix: Solid Lab File ID: F4212.D

Analysis Method: 8260B Date Collected: 09/19/2011 12:50

Sample wt/vol: 5.442(g) Date Analyzed: 09/27/2011 21:05

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: 16.4 Level: (low/med) Low

Analysis Batch No.: 33080 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.5	0.40
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.5	0.89
79-00-5	1,1,2-Trichloroethane	ND		5.5	0.71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.3
75-34-3	1,1-Dichloroethane	ND		5.5	0.67
75-35-4	1,1-Dichloroethene	ND		5.5	0.67
120-82-1	1,2,4-Trichlorobenzene	ND		5.5	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.5	2.7
106-93-4	1,2-Dibromoethane	ND		5.5	0.71
95-50-1	1,2-Dichlorobenzene	ND		5.5	0.43
107-06-2	1,2-Dichloroethane	ND		5.5	0.28
78-87-5	1,2-Dichloropropane	ND		5.5	2.7
541-73-1	1,3-Dichlorobenzene	ND		5.5	0.28
106-46-7	1,4-Dichlorobenzene	ND		5.5	0.77
591-78-6	2-Hexanone	ND		27	2.7
78-93-3	2-Butanone (MEK)	ND		27	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	11	J	27	4.6
71-43-2	Benzene	ND		5.5	0.27
75-27-4	Bromodichloromethane	ND		5.5	0.74
75-25-2	Bromoform	ND		5.5	2.7
74-83-9	Bromomethane	ND		5.5	0.49
75-15-0	Carbon disulfide	ND		5.5	2.7
56-23-5	Carbon tetrachloride	ND		5.5	0.53
108-90-7	Chlorobenzene	ND		5.5	0.72
124-48-1	Dibromochloromethane	ND		5.5	0.70
75-00-3	Chloroethane	ND		5.5	1.2
67-66-3	Chloroform	ND		5.5	0.34
74-87-3	Chloromethane	ND		5.5	0.33
156-59-2	cis-1,2-Dichloroethene	ND		5.5	0.70
10061-01-5	cis-1,3-Dichloropropene	ND		5.5	0.79
110-82-7	Cyclohexane	ND		5.5	0.77
75-71-8	Dichlorodifluoromethane	ND		5.5	0.45
100-41-4	Ethylbenzene	ND		5.5	0.38
98-82-8	Isopropylbenzene	ND		5.5	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Client Sample ID: SB-B3 (5-9) Lab Sample ID: 480-10088-1
 Matrix: Solid Lab File ID: F4212.D
 Analysis Method: 8260B Date Collected: 09/19/2011 12:50
 Sample wt/vol: 5.442(g) Date Analyzed: 09/27/2011 21:05
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: 16.4 Level: (low/med) Low
 Analysis Batch No.: 33080 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.5	1.0
1634-04-4	Methyl tert-butyl ether	ND		5.5	0.54
108-87-2	Methylcyclohexane	ND		5.5	0.83
75-09-2	Methylene Chloride	ND		5.5	2.5
100-42-5	Styrene	ND		5.5	0.27
127-18-4	Tetrachloroethene	ND		5.5	0.74
108-88-3	Toluene	ND		5.5	0.42
156-60-5	trans-1,2-Dichloroethene	ND		5.5	0.57
10061-02-6	trans-1,3-Dichloropropene	ND		5.5	2.4
79-01-6	Trichloroethene	1.8	J	5.5	1.2
75-69-4	Trichlorofluoromethane	ND		5.5	0.52
75-01-4	Vinyl chloride	ND		5.5	0.67
1330-20-7	Xylenes, Total	ND		11	0.92

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		64-126
2037-26-5	Toluene-d8 (Surr)	101		71-125
460-00-4	4-Bromofluorobenzene (Surr)	98		72-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: SB-B3 (5-9) Lab Sample ID: 480-10088-1
Matrix: Solid Lab File ID: F4212.D
Analysis Method: 8260B Date Collected: 09/19/2011 12:50
Sample wt/vol: 5.442(g) Date Analyzed: 09/27/2011 21:05
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: 16.4 Level: (low/med) Low
Analysis Batch No.: 33080 Units: ug/Kg
Number TICs Found: 3 TIC Result Total: 44.9

CAS NO.	COMPOUND NAME	RT	RESULT	Q
115-7-1	Propene	2.03	9.4	T J N
556-67-2	Cyclotetrasiloxane, octamethyl-	9.65	29	T J N
	Unknown	11.34	6.5	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4212.D
 Lims ID: 480-10088-A-1-A Client ID: SB-B3 (5-9)
 Inject. Date: 27-Sep-2011 21:05:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-10088-A-1-A
 Misc. Info.: 480-0006262-008 =480-0006262-008
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 8
 Lims Batch ID: 33080 Lims Sample ID: 8
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F-8260 SOIL.m
 Last Update: 27-Sep-2011 19:49:18 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: quirkp

Date: 28-Sep-2011 11:28:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	363052	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	83	170746	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.819	10.818	0.001	93	174246	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.435	5.434	0.001	96	62177	48.8	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	394431	50.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.724	9.729	-0.005	87	133294	48.8	
10 Dichlorodifluoromethane	85		2.082					
12 Chloromethane	50		2.241					
13 Vinyl chloride	62		2.362					
14 Bromomethane	94		2.648					
15 Chloroethane	64		2.727					
17 Trichlorofluoromethane	101		2.952					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.336					
22 1,1-Dichloroethene	96		3.366					
23 Acetone	43	3.427	3.421	0.006	69	8293	9.77	
26 Carbon disulfide	76		3.591					
27 Methyl acetate	43		3.640					
30 Methylene Chloride	84		3.761					
32 Methyl tert-butyl ether	73		3.920					
34 trans-1,2-Dichloroethene	96		3.956					
39 1,1-Dichloroethane	63		4.297					
43 2-Butanone (MEK)	43		4.741					
45 cis-1,2-Dichloroethene	96		4.759					
50 Chloroform	83		5.003					
51 1,1,1-Trichloroethane	97		5.149					
52 Cyclohexane	56		5.179					
55 Carbon tetrachloride	117		5.276					
57 Benzene	78		5.459					
58 1,2-Dichloroethane	62		5.495					
62 Trichloroethene	95	5.988	5.982	0.006	47	3297	1.67	
64 Methylcyclohexane	83		6.122					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.207					
68 Dichlorobromomethane	83		6.450					
72 cis-1,3-Dichloropropene	75		6.834					
73 4-Methyl-2-pentanone (MIBK)	43		6.931					
74 Toluene	92		7.126					
77 trans-1,3-Dichloropropene	75		7.351					
79 1,1,2-Trichloroethane	83		7.552					
81 Tetrachloroethene	166		7.655					
80 2-Hexanone	43		7.728					
83 Chlorodibromomethane	129		7.965					
84 Ethylene Dibromide	107		8.099					
87 Chlorobenzene	112		8.549					
88 Ethylbenzene	91		8.610					
90 m-Xylene & p-Xylene	106		8.726					
91 o-Xylene	106		9.158					
92 Styrene	104		9.182					
95 Bromoform	173		9.456					
94 Isopropylbenzene	105		9.517					
97 1,1,2,2-Tetrachloroethane	83		9.882					
111 1,3-Dichlorobenzene	146		10.758					
113 1,4-Dichlorobenzene	146		10.837					
116 1,2-Dichlorobenzene	146		11.183					
117 1,2-Dibromo-3-Chloropropane	75		11.853					
119 1,2,4-Trichlorobenzene	180		12.510					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4212.D
 Lims ID: 480-10088-A-1-A Client ID: SB-B3 (5-9)
 Inject. Date: 27-Sep-2011 21:05:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-10088-A-1-A
 Misc. Info.: 480-0006262-008 =480-0006262-008
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 8
 Lims Batch ID: 33080 Lims Sample ID: 8
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F-8260 SOIL.m
 Last Update: 27-Sep-2011 19:49:18 Calib Date: 01-Sep-2011 15:38:30
 Tic RT Window: 1.500 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\Bufchrom\ChromData\Database\NIST98.L
 Min. Match: 85
 Process Host: CORP-CTX-16

First Level Reviewer: quirkp

Date: 28-Sep-2011 11:28:20

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.090	4195	1.31	

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
115-7-1	Propene					
2.034	141481	8.56	1	90	108457	
556-67-2	Cyclotetrasiloxane, octamethyl-					
9.651	553727	26.4	2	86	97367	
	Unknown					
11.342	116041	5.88	3			

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 1 1,4-Difluorobenzene	5.739	826470	50.0
* 2 Chlorobenzene-d5	8.519	1047155	50.0
* 3 1,4-Dichlorobenzene-d4	10.819	986671	50.0

QC Flag Legend

Processing Flags

Report Date: 28-Sep-2011 11:28:20

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4212.D

Injection Date: 27-Sep-2011 21:05:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 33080

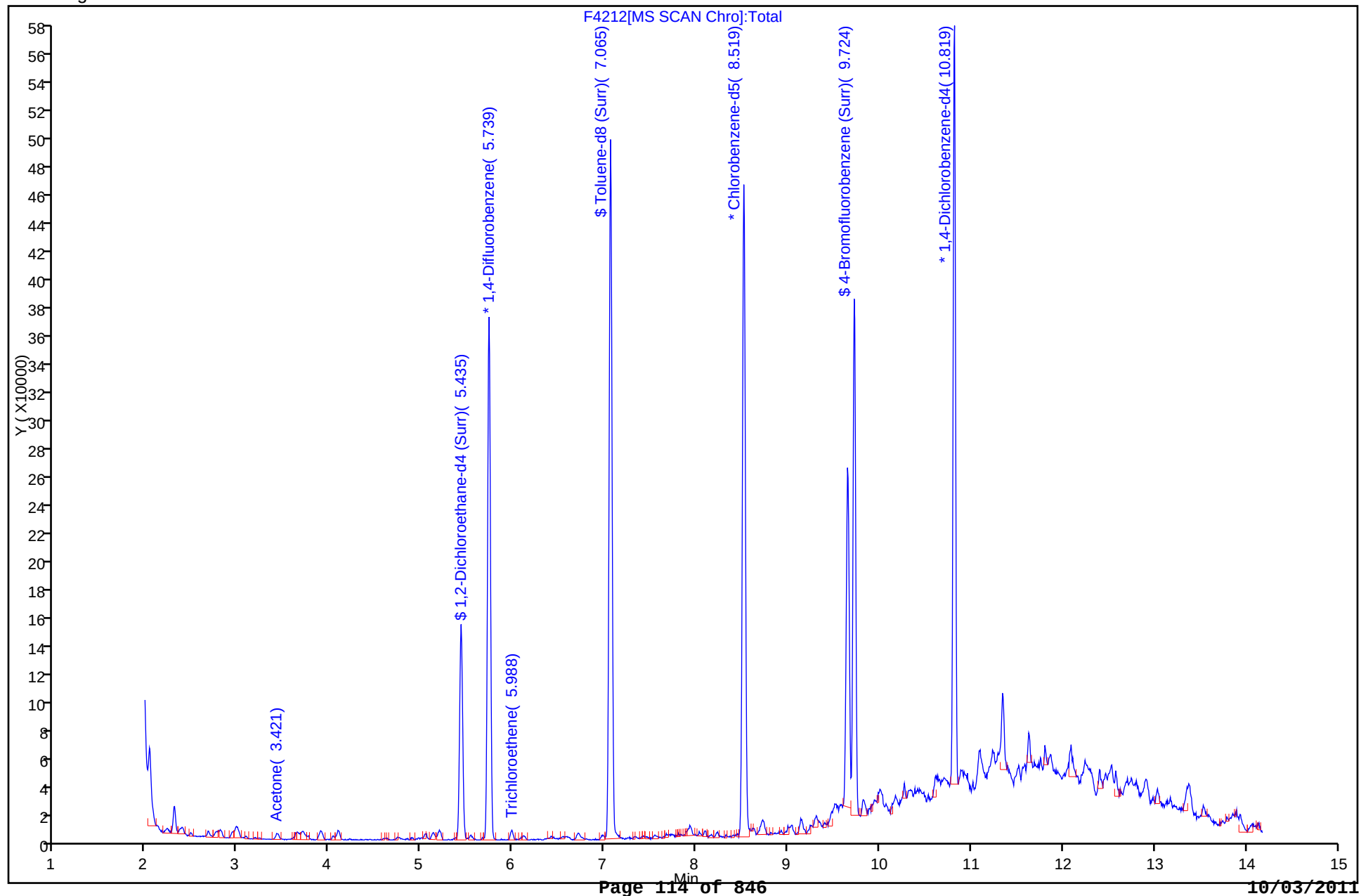
Lims Sample ID: 8

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 28-Sep-2011 11:28:20

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4212.D

Injection Date: 27-Sep-2011 21:05:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 33080

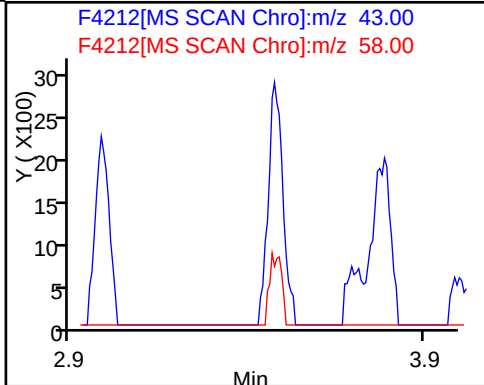
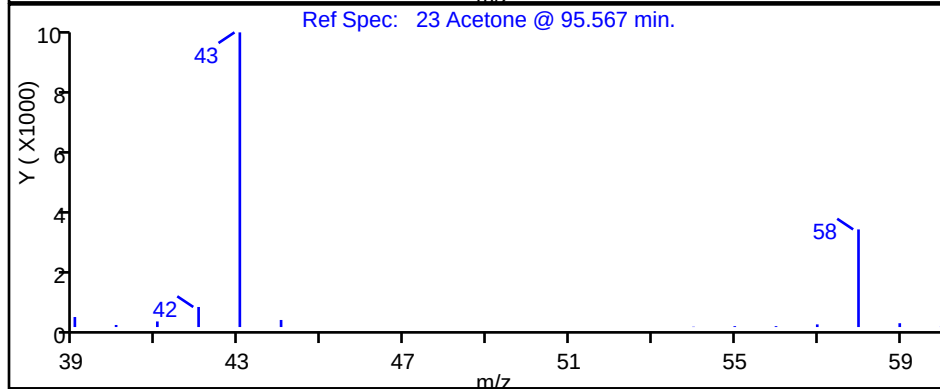
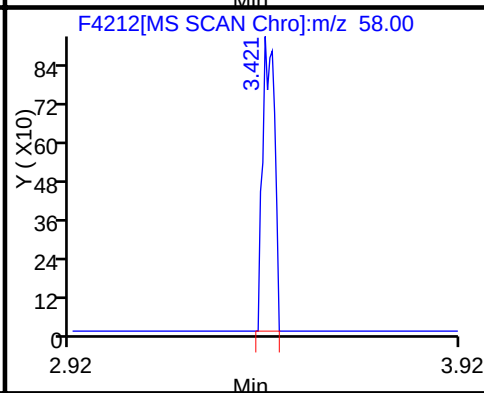
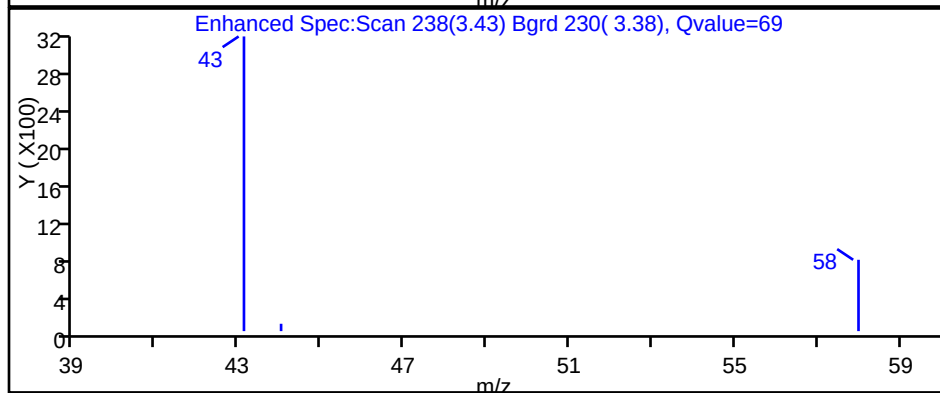
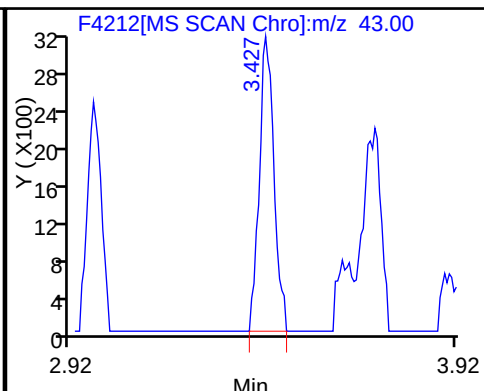
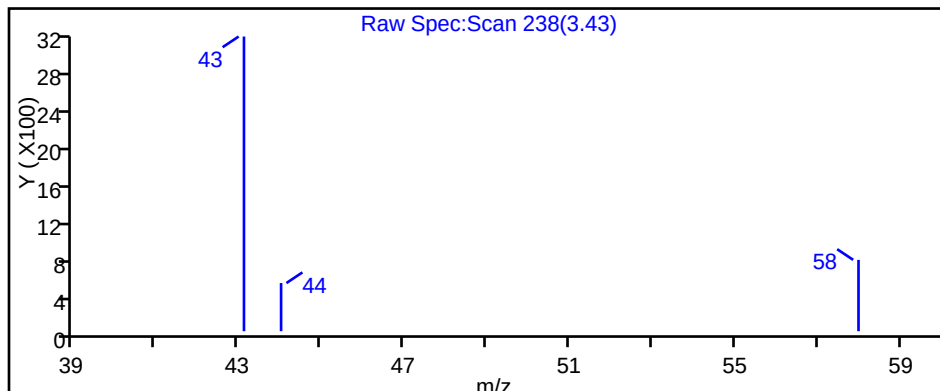
Lims Sample ID: 8

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

23 Acetone



Report Date: 28-Sep-2011 11:28:20

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4212.D

Injection Date: 27-Sep-2011 21:05:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 33080

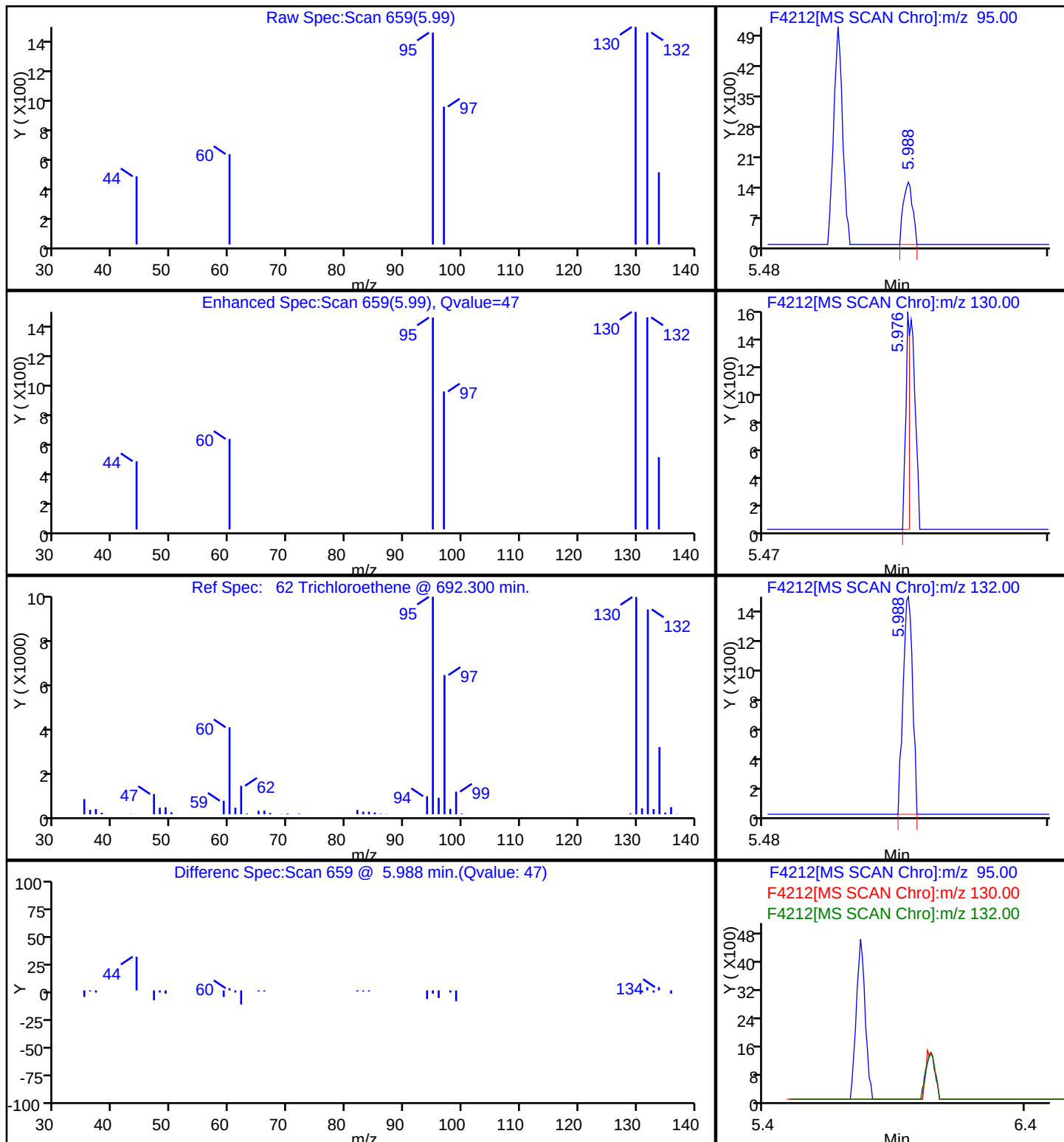
Lims Sample ID: 8

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

62 Trichloroethene



Report Date: 28-Sep-2011 11:28:20

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4212.D

Injection Date: 27-Sep-2011 21:05:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 33080

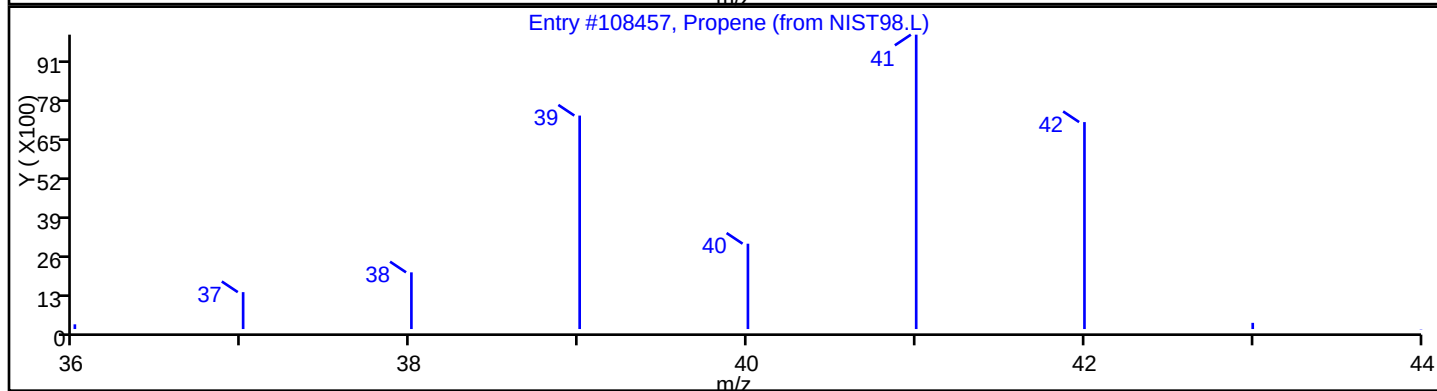
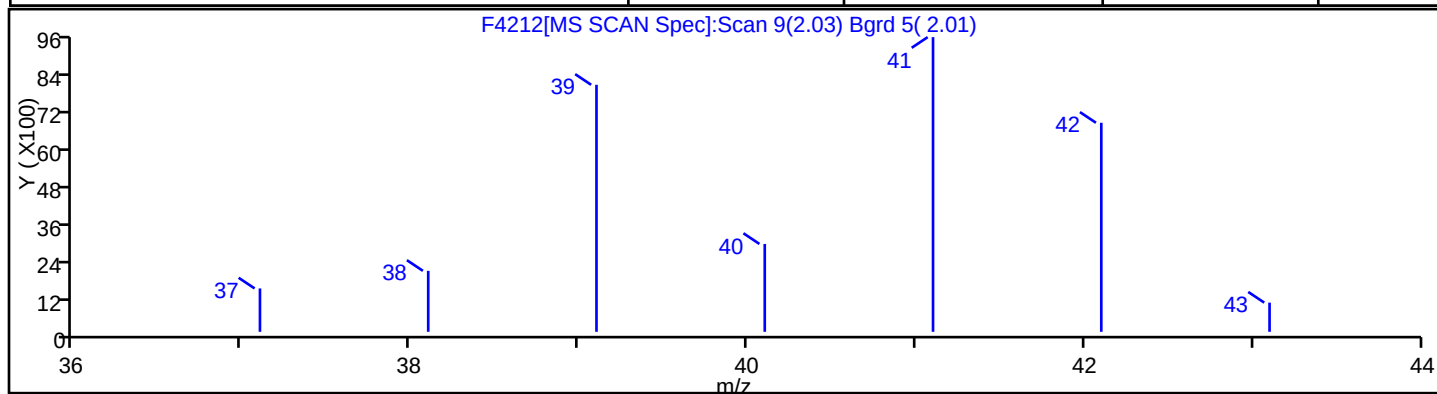
Lims Sample ID: 8

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Propene	115-7-1	NIST98.L	108457	90



Report Date: 28-Sep-2011 11:28:20

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4212.D

Injection Date: 27-Sep-2011 21:05:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 33080

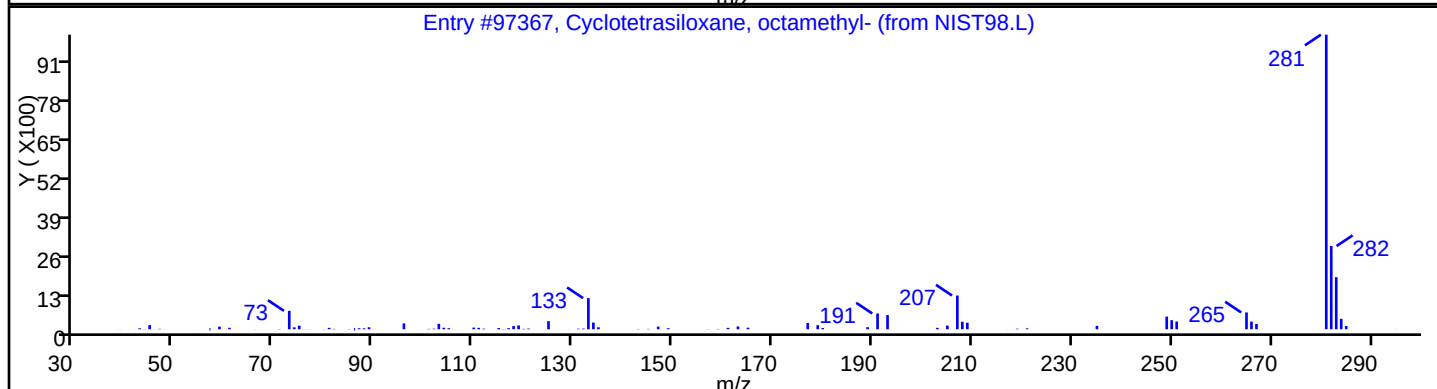
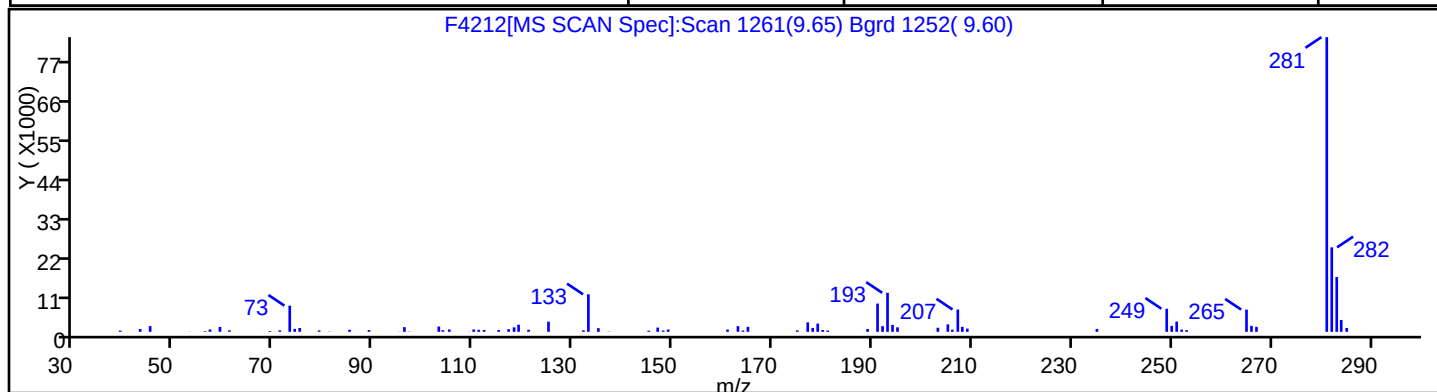
Lims Sample ID: 8

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST98.L	97367	86



Report Date: 28-Sep-2011 11:28:20

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4212.D

Injection Date: 27-Sep-2011 21:05:30

Limit Group: MV - 8260B ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 33080

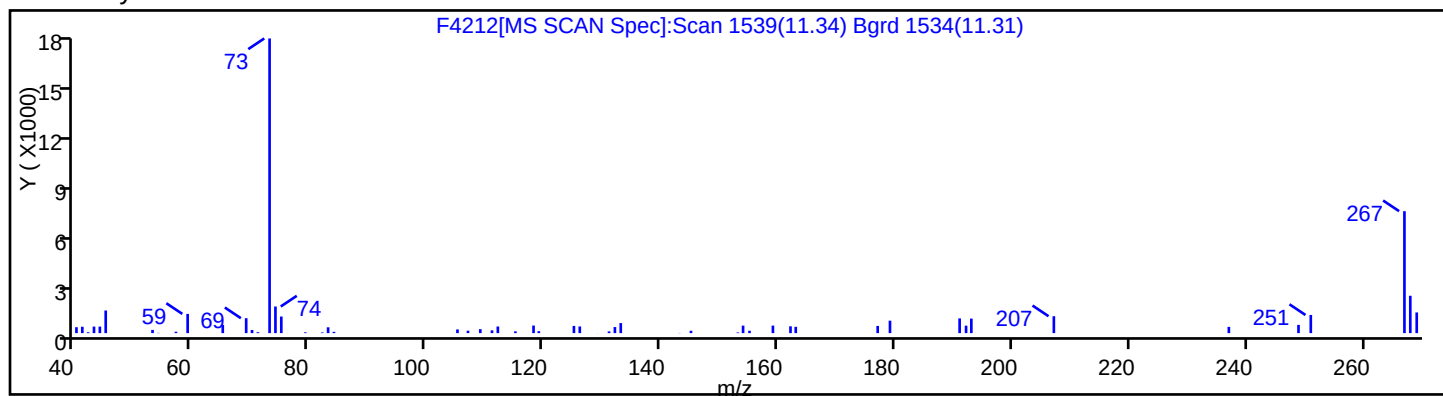
Lims Sample ID: 8

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Client Sample ID: SB-C2 (5-7) Lab Sample ID: 480-10088-2

Matrix: Solid Lab File ID: F4213.D

Analysis Method: 8260B Date Collected: 09/19/2011 10:00

Sample wt/vol: 6.659(g) Date Analyzed: 09/27/2011 21:31

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: 14.3 Level: (low/med) Low

Analysis Batch No.: 33080 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.4	0.32
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.4	0.71
79-00-5	1,1,2-Trichloroethane	ND		4.4	0.57
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.4	1.0
75-34-3	1,1-Dichloroethane	ND		4.4	0.53
75-35-4	1,1-Dichloroethene	ND		4.4	0.54
120-82-1	1,2,4-Trichlorobenzene	ND		4.4	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.4	2.2
106-93-4	1,2-Dibromoethane	ND		4.4	0.56
95-50-1	1,2-Dichlorobenzene	ND		4.4	0.34
107-06-2	1,2-Dichloroethane	ND		4.4	0.22
78-87-5	1,2-Dichloropropane	ND		4.4	2.2
541-73-1	1,3-Dichlorobenzene	ND		4.4	0.23
106-46-7	1,4-Dichlorobenzene	ND		4.4	0.61
591-78-6	2-Hexanone	ND		22	2.2
78-93-3	2-Butanone (MEK)	ND		22	1.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		22	1.4
67-64-1	Acetone	ND		22	3.7
71-43-2	Benzene	ND		4.4	0.21
75-27-4	Bromodichloromethane	ND		4.4	0.59
75-25-2	Bromoform	ND		4.4	2.2
74-83-9	Bromomethane	ND		4.4	0.39
75-15-0	Carbon disulfide	ND		4.4	2.2
56-23-5	Carbon tetrachloride	ND		4.4	0.42
108-90-7	Chlorobenzene	ND		4.4	0.58
124-48-1	Dibromochloromethane	ND		4.4	0.56
75-00-3	Chloroethane	ND		4.4	0.99
67-66-3	Chloroform	ND		4.4	0.27
74-87-3	Chloromethane	ND		4.4	0.26
156-59-2	cis-1,2-Dichloroethene	ND		4.4	0.56
10061-01-5	cis-1,3-Dichloropropene	ND		4.4	0.63
110-82-7	Cyclohexane	ND		4.4	0.61
75-71-8	Dichlorodifluoromethane	ND		4.4	0.36
100-41-4	Ethylbenzene	ND		4.4	0.30
98-82-8	Isopropylbenzene	ND		4.4	0.66

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Client Sample ID: SB-C2 (5-7) Lab Sample ID: 480-10088-2
 Matrix: Solid Lab File ID: F4213.D
 Analysis Method: 8260B Date Collected: 09/19/2011 10:00
 Sample wt/vol: 6.659(g) Date Analyzed: 09/27/2011 21:31
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: 14.3 Level: (low/med) Low
 Analysis Batch No.: 33080 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.4	0.82
1634-04-4	Methyl tert-butyl ether	ND		4.4	0.43
108-87-2	Methylcyclohexane	ND		4.4	0.67
75-09-2	Methylene Chloride	ND		4.4	2.0
100-42-5	Styrene	ND		4.4	0.22
127-18-4	Tetrachloroethene	ND		4.4	0.59
108-88-3	Toluene	ND		4.4	0.33
156-60-5	trans-1,2-Dichloroethene	ND		4.4	0.45
10061-02-6	trans-1,3-Dichloropropene	ND		4.4	1.9
79-01-6	Trichloroethene	ND		4.4	0.96
75-69-4	Trichlorofluoromethane	ND		4.4	0.41
75-01-4	Vinyl chloride	ND		4.4	0.53
1330-20-7	Xylenes, Total	ND		8.8	0.74

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		64-126
2037-26-5	Toluene-d8 (Surr)	102		71-125
460-00-4	4-Bromofluorobenzene (Surr)	100		72-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: SB-C2 (5-7) Lab Sample ID: 480-10088-2
Matrix: Solid Lab File ID: F4213.D
Analysis Method: 8260B Date Collected: 09/19/2011 10:00
Sample wt/vol: 6.659(g) Date Analyzed: 09/27/2011 21:31
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: 14.3 Level: (low/med) Low
Analysis Batch No.: 33080 Units: ug/Kg
Number TICs Found: 2 TIC Result Total: 14.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q
556-67-2	Cyclotetrasiloxane, octamethyl-	9.66	9.2	T J N
	Unknown	11.34	5.3	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4213.D
 Lims ID: 480-10088-A-2-A Client ID: SB-C2 (5-7)
 Inject. Date: 27-Sep-2011 21:31:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-10088-A-2-A
 Misc. Info.: 480-0006262-009 =480-0006262-009
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 9
 Lims Batch ID: 33080 Lims Sample ID: 9
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F-8260 SOIL.m
 Last Update: 27-Sep-2011 19:49:18 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: quirkp

Date: 28-Sep-2011 11:28:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	365355	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	83	171463	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.819	10.818	0.001	94	183777	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.435	5.434	0.001	97	62265	48.5	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	399434	51.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.730	9.729	0.001	90	136968	49.9	
10 Dichlorodifluoromethane	85		2.082					
12 Chloromethane	50		2.241					
13 Vinyl chloride	62		2.362					
14 Bromomethane	94		2.648					
15 Chloroethane	64		2.727					
17 Trichlorofluoromethane	101		2.952					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.336					
22 1,1-Dichloroethene	96		3.366					
23 Acetone	43		3.421					
26 Carbon disulfide	76		3.591					
27 Methyl acetate	43		3.640					
30 Methylene Chloride	84		3.761					
32 Methyl tert-butyl ether	73		3.920					
34 trans-1,2-Dichloroethene	96		3.956					
39 1,1-Dichloroethane	63		4.297					
43 2-Butanone (MEK)	43		4.741					
45 cis-1,2-Dichloroethene	96		4.759					
50 Chloroform	83		5.003					
51 1,1,1-Trichloroethane	97		5.149					
52 Cyclohexane	56		5.179					
55 Carbon tetrachloride	117		5.276					
57 Benzene	78		5.459					
58 1,2-Dichloroethane	62		5.495					
62 Trichloroethene	95		5.982					
64 Methylcyclohexane	83		6.122					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.207					
68 Dichlorobromomethane	83		6.450					
72 cis-1,3-Dichloropropene	75		6.834					
73 4-Methyl-2-pentanone (MIBK)	43		6.931					
74 Toluene	92		7.126					
77 trans-1,3-Dichloropropene	75		7.351					
79 1,1,2-Trichloroethane	83		7.552					
81 Tetrachloroethene	166		7.655					
80 2-Hexanone	43		7.728					
83 Chlorodibromomethane	129		7.965					
84 Ethylene Dibromide	107		8.099					
87 Chlorobenzene	112		8.549					
88 Ethylbenzene	91		8.610					
90 m-Xylene & p-Xylene	106		8.726					
91 o-Xylene	106		9.158					
92 Styrene	104		9.182					
95 Bromoform	173		9.456					
94 Isopropylbenzene	105		9.517					
97 1,1,2,2-Tetrachloroethane	83		9.882					
111 1,3-Dichlorobenzene	146		10.758					
113 1,4-Dichlorobenzene	146		10.837					
116 1,2-Dichlorobenzene	146		11.183					
117 1,2-Dibromo-3-Chloropropane	75		11.853					
119 1,2,4-Trichlorobenzene	180		12.510					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4213.D
Lims ID: 480-10088-A-2-A Client ID: SB-C2 (5-7)
Inject. Date: 27-Sep-2011 21:31:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-10088-A-2-A
Misc. Info.: 480-0006262-009 =480-0006262-009
Operator: PJQ Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 9
Lims Batch ID: 33080 Lims Sample ID: 9
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F-8260 SOIL.m
Last Update: 27-Sep-2011 19:49:18 Calib Date: 01-Sep-2011 15:38:30
Tic RT Window: 1.500 -0.000 Response: area
Quant By: Nearest ISTD Quant LOD: 10.00000
MS Library: \\Bufchrom\ChromData\Database\NIST98.L
Min. Match: 85
Process Host: CORP-CTX-16

First Level Reviewer: quirkp

Date: 28-Sep-2011 11:28:32

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags

556-67-2	Cyclotetrasiloxane, octamethyl-					
9.657	215971	10.5	2	87	128142	
	Unknown					
11.342	127600	6.10	3			

Quantitation Compounds

Compound	RT	Response	Amount ug/kg

* 2 Chlorobenzene-d5	8.519	1030532	50.0
* 3 1,4-Dichlorobenzene-d4	10.819	1045922	50.0

QC Flag Legend

Processing Flags

Report Date: 28-Sep-2011 11:28:32

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4213.D

Injection Date: 27-Sep-2011 21:31:30

Limit Group: MV - 8260B ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973F

Lims Batch ID: 33080

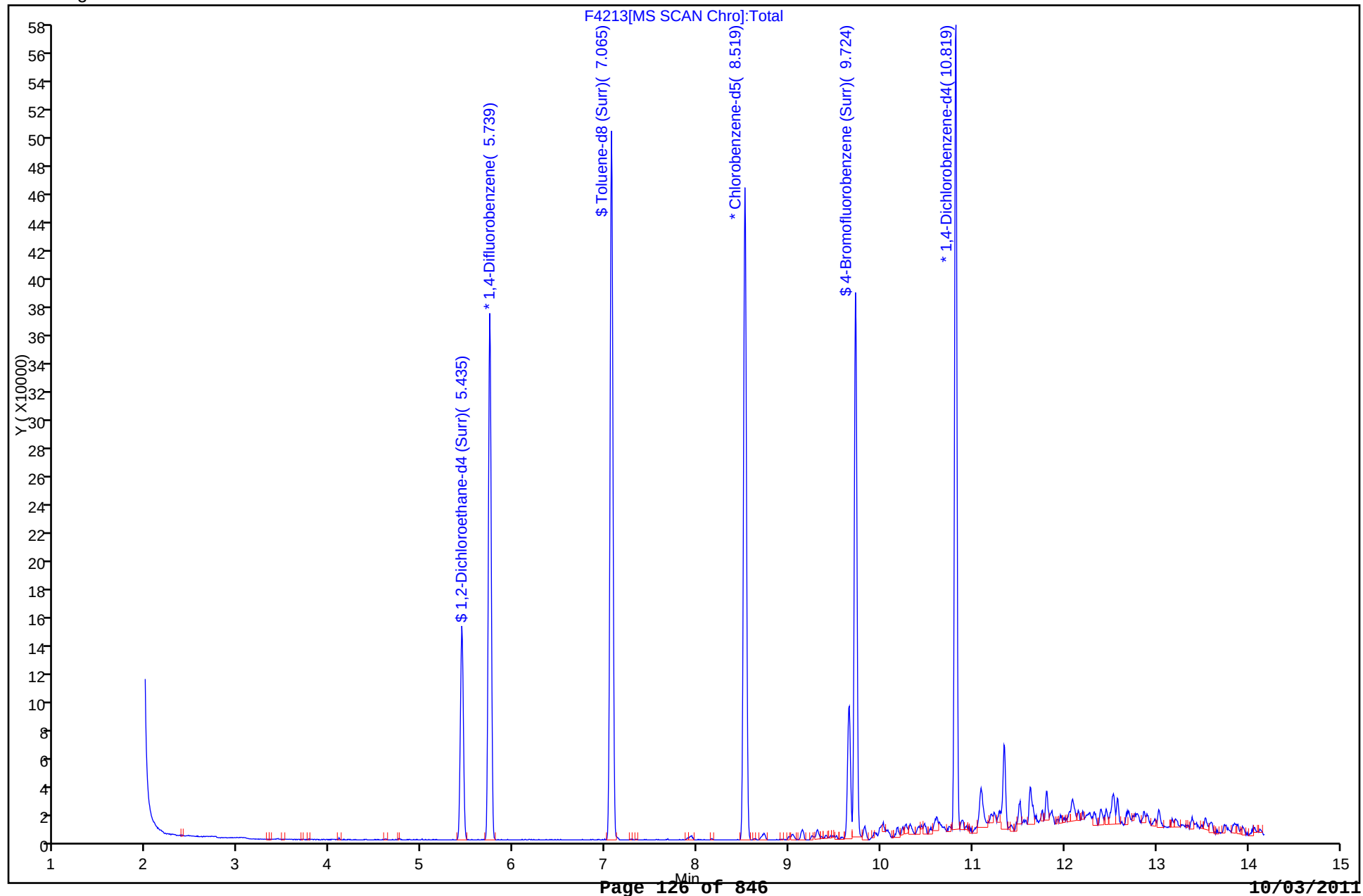
Lims Sample ID: 9

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 28-Sep-2011 11:28:32

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4213.D

Injection Date: 27-Sep-2011 21:31:30

Limit Group: MV - 8260B ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973F

Lims Batch ID: 33080

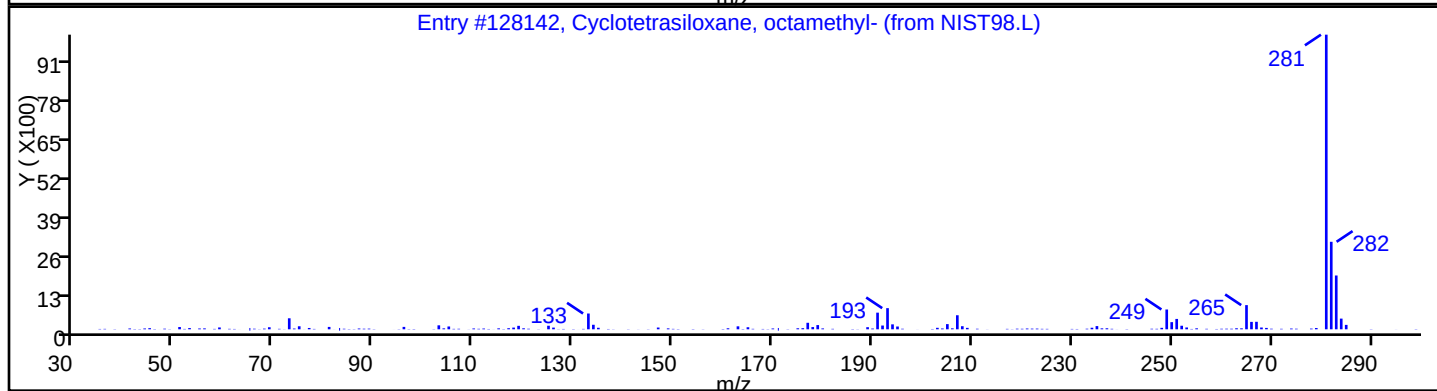
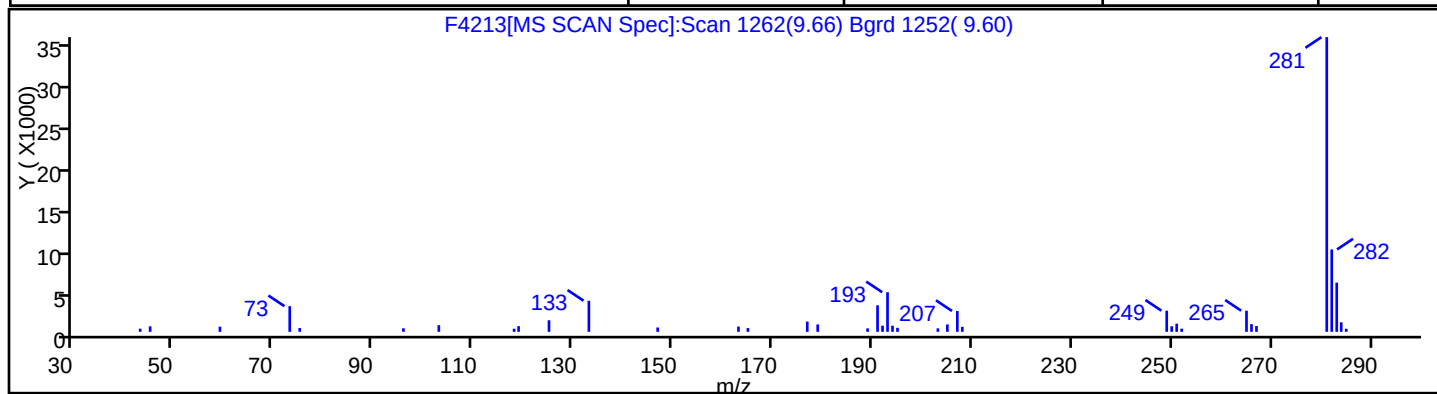
Lims Sample ID: 9

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST98.L	128142	87



Report Date: 28-Sep-2011 11:28:32

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4213.D

Injection Date: 27-Sep-2011 21:31:30

Limit Group: MV - 8260B ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973F

Lims Batch ID: 33080

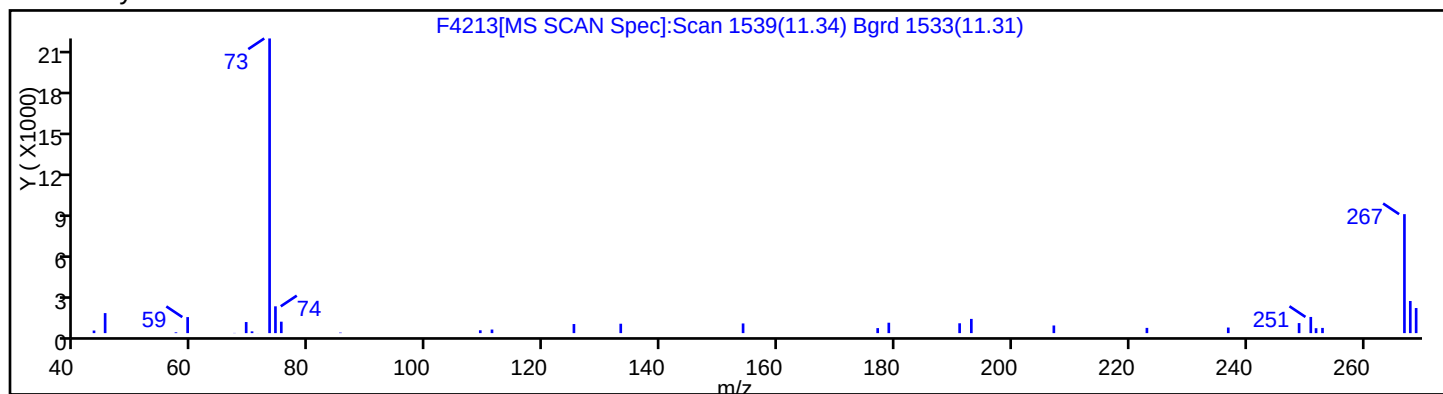
Lims Sample ID: 9

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Client Sample ID: SB-C5 (5-9) Lab Sample ID: 480-10088-3

Matrix: Solid Lab File ID: F4214.D

Analysis Method: 8260B Date Collected: 09/19/2011 08:15

Sample wt/vol: 8.276(g) Date Analyzed: 09/27/2011 22:06

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: 9.4 Level: (low/med) Low

Analysis Batch No.: 33080 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		3.3	0.24
79-34-5	1,1,2,2-Tetrachloroethane	ND		3.3	0.54
79-00-5	1,1,2-Trichloroethane	ND		3.3	0.43
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.3	0.76
75-34-3	1,1-Dichloroethane	ND		3.3	0.41
75-35-4	1,1-Dichloroethene	ND		3.3	0.41
120-82-1	1,2,4-Trichlorobenzene	ND		3.3	0.20
96-12-8	1,2-Dibromo-3-Chloropropane	ND		3.3	1.7
106-93-4	1,2-Dibromoethane	ND		3.3	0.43
95-50-1	1,2-Dichlorobenzene	ND		3.3	0.26
107-06-2	1,2-Dichloroethane	ND		3.3	0.17
78-87-5	1,2-Dichloropropane	ND		3.3	1.7
541-73-1	1,3-Dichlorobenzene	ND		3.3	0.17
106-46-7	1,4-Dichlorobenzene	ND		3.3	0.47
591-78-6	2-Hexanone	ND		17	1.7
78-93-3	2-Butanone (MEK)	ND		17	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		17	1.1
67-64-1	Acetone	ND		17	2.8
71-43-2	Benzene	ND		3.3	0.16
75-27-4	Bromodichloromethane	ND		3.3	0.45
75-25-2	Bromoform	ND		3.3	1.7
74-83-9	Bromomethane	ND		3.3	0.30
75-15-0	Carbon disulfide	ND		3.3	1.7
56-23-5	Carbon tetrachloride	ND		3.3	0.32
108-90-7	Chlorobenzene	ND		3.3	0.44
124-48-1	Dibromochloromethane	ND		3.3	0.43
75-00-3	Chloroethane	ND		3.3	0.75
67-66-3	Chloroform	ND		3.3	0.21
74-87-3	Chloromethane	ND		3.3	0.20
156-59-2	cis-1,2-Dichloroethene	ND		3.3	0.43
10061-01-5	cis-1,3-Dichloropropene	ND		3.3	0.48
110-82-7	Cyclohexane	ND		3.3	0.47
75-71-8	Dichlorodifluoromethane	ND		3.3	0.28
100-41-4	Ethylbenzene	ND		3.3	0.23
98-82-8	Isopropylbenzene	ND		3.3	0.50

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Client Sample ID: SB-C5 (5-9) Lab Sample ID: 480-10088-3
 Matrix: Solid Lab File ID: F4214.D
 Analysis Method: 8260B Date Collected: 09/19/2011 08:15
 Sample wt/vol: 8.276(g) Date Analyzed: 09/27/2011 22:06
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: 9.4 Level: (low/med) Low
 Analysis Batch No.: 33080 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		3.3	0.62
1634-04-4	Methyl tert-butyl ether	ND		3.3	0.33
108-87-2	Methylcyclohexane	ND		3.3	0.51
75-09-2	Methylene Chloride	ND		3.3	1.5
100-42-5	Styrene	ND		3.3	0.17
127-18-4	Tetrachloroethene	ND		3.3	0.45
108-88-3	Toluene	ND		3.3	0.25
156-60-5	trans-1,2-Dichloroethene	ND		3.3	0.34
10061-02-6	trans-1,3-Dichloropropene	ND		3.3	1.5
79-01-6	Trichloroethene	ND		3.3	0.73
75-69-4	Trichlorofluoromethane	ND		3.3	0.32
75-01-4	Vinyl chloride	ND		3.3	0.41
1330-20-7	Xylenes, Total	ND		6.7	0.56

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		64-126
2037-26-5	Toluene-d8 (Surr)	101		71-125
460-00-4	4-Bromofluorobenzene (Surr)	99		72-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: SB-C5 (5-9) Lab Sample ID: 480-10088-3
Matrix: Solid Lab File ID: F4214.D
Analysis Method: 8260B Date Collected: 09/19/2011 08:15
Sample wt/vol: 8.276(g) Date Analyzed: 09/27/2011 22:06
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: 9.4 Level: (low/med) Low
Analysis Batch No.: 33080 Units: ug/Kg
Number TICs Found: 4 TIC Result Total: 27.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	9.66	11	T J
	Unknown	11.09	6.0	T J
	Unknown	11.35	4.5	T J
	Unknown	12.08	6.0	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4214.D
 Lims ID: 480-10088-A-3-A Client ID: SB-C5 (5-9)
 Inject. Date: 27-Sep-2011 22:06:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-10088-A-3-A
 Misc. Info.: 480-0006262-010 =480-0006262-010
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 10
 Lims Batch ID: 33080 Lims Sample ID: 10
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F-8260 SOIL.m
 Last Update: 27-Sep-2011 19:49:18 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: quirkp

Date: 28-Sep-2011 11:28:43

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	374488	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	83	174479	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.818	0.0	94	189650	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.434	5.434	0.0	96	63423	48.2	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	92	403640	50.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.723	9.729	-0.006	88	137542	49.3	
10 Dichlorodifluoromethane	85		2.082					
12 Chloromethane	50		2.241					
13 Vinyl chloride	62		2.362					
14 Bromomethane	94		2.648					
15 Chloroethane	64		2.727					
17 Trichlorofluoromethane	101		2.952					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.336					
22 1,1-Dichloroethene	96		3.366					
23 Acetone	43		3.421					
26 Carbon disulfide	76		3.591					
27 Methyl acetate	43		3.640					
30 Methylene Chloride	84		3.761					
32 Methyl tert-butyl ether	73		3.920					
34 trans-1,2-Dichloroethene	96		3.956					
39 1,1-Dichloroethane	63		4.297					
43 2-Butanone (MEK)	43		4.741					
45 cis-1,2-Dichloroethene	96		4.759					
50 Chloroform	83		5.003					
51 1,1,1-Trichloroethane	97		5.149					
52 Cyclohexane	56		5.179					
55 Carbon tetrachloride	117		5.276					
57 Benzene	78		5.459					
58 1,2-Dichloroethane	62		5.495					
62 Trichloroethene	95		5.982					
64 Methylcyclohexane	83		6.122					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.207					
68 Dichlorobromomethane	83		6.450					
72 cis-1,3-Dichloropropene	75		6.834					
73 4-Methyl-2-pentanone (MIBK)	43		6.931					
74 Toluene	92		7.126					
77 trans-1,3-Dichloropropene	75		7.351					
79 1,1,2-Trichloroethane	83		7.552					
81 Tetrachloroethene	166		7.655					
80 2-Hexanone	43		7.728					
83 Chlorodibromomethane	129		7.965					
84 Ethylene Dibromide	107		8.099					
87 Chlorobenzene	112		8.549					
88 Ethylbenzene	91		8.610					
90 m-Xylene & p-Xylene	106		8.726					
91 o-Xylene	106		9.158					
92 Styrene	104		9.182					
95 Bromoform	173		9.456					
94 Isopropylbenzene	105		9.517					
97 1,1,2,2-Tetrachloroethane	83		9.882					
111 1,3-Dichlorobenzene	146		10.758					
113 1,4-Dichlorobenzene	146		10.837					
116 1,2-Dichlorobenzene	146		11.183					
117 1,2-Dibromo-3-Chloropropane	75		11.853					
119 1,2,4-Trichlorobenzene	180		12.510					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4214.D
Lims ID: 480-10088-A-3-A Client ID: SB-C5 (5-9)
Inject. Date: 27-Sep-2011 22:06:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-10088-A-3-A
Misc. Info.: 480-0006262-010 =480-0006262-010
Operator: PJQ Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 10
Lims Batch ID: 33080 Lims Sample ID: 10
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F-8260 SOIL.m
Last Update: 27-Sep-2011 19:49:18 Calib Date: 01-Sep-2011 15:38:30
Tic RT Window: 1.500 -0.000 Response: area
Quant By: Nearest ISTD Quant LOD: 10.00000
MS Library: \\Bufchrom\ChromData\Database\NIST98.L
Min. Match: 85
Process Host: CORP-CTX-16

First Level Reviewer: quirkp

Date: 28-Sep-2011 11:28:43

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
9.656	351193	16.7	2			
	Unknown					
11.092	194453	9.01	3			
	Unknown					
11.354	145872	6.76	3			
	Unknown					
12.084	193784	8.98	3			

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 2 Chlorobenzene-d5	8.519	1054463	50.0
* 3 1,4-Dichlorobenzene-d4	10.818	1079474	50.0

QC Flag Legend

Processing Flags

Report Date: 28-Sep-2011 11:28:43

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4214.D

Injection Date: 27-Sep-2011 22:06:30

Limit Group: MV - 8260B ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 33080

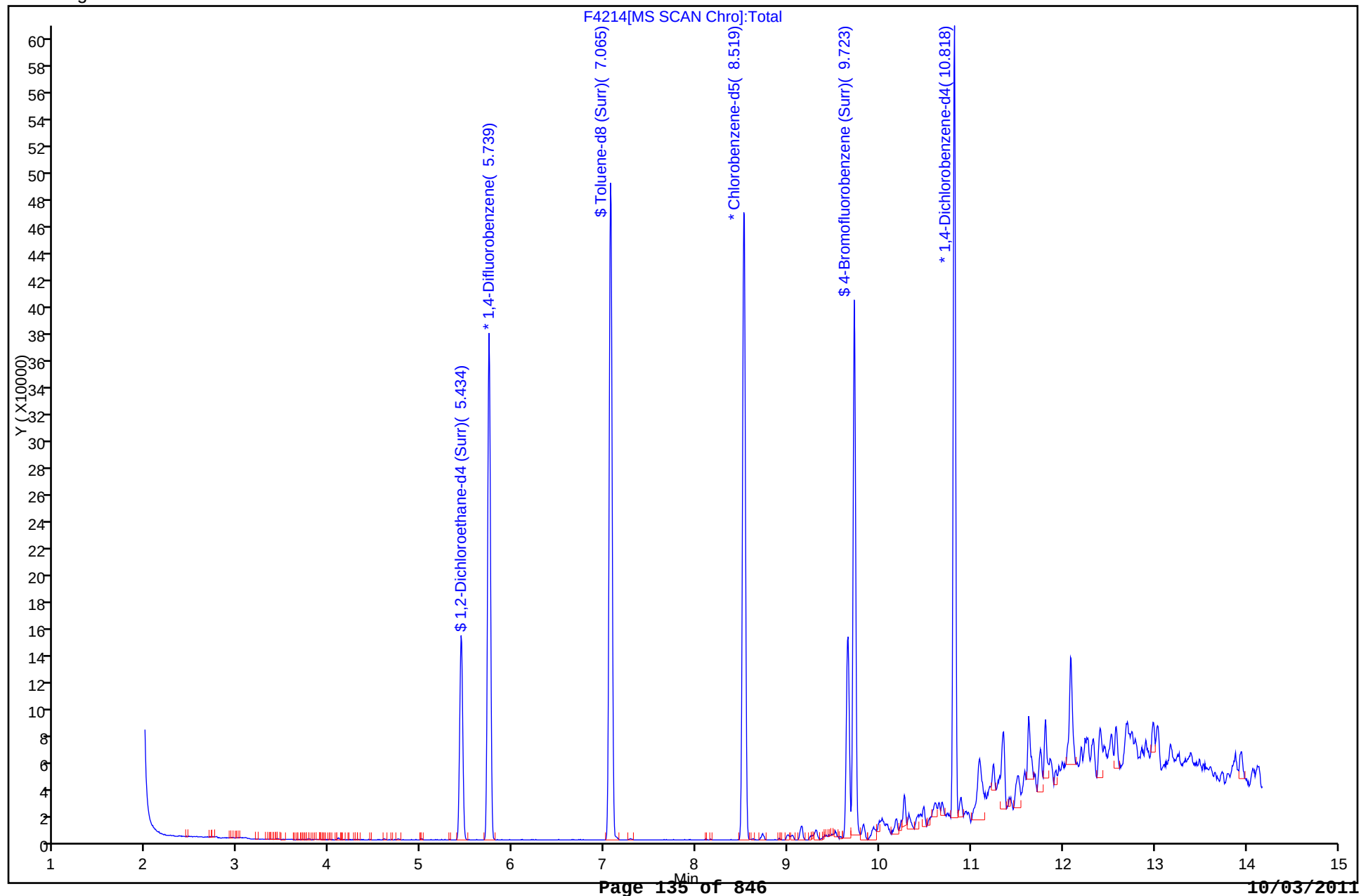
Lims Sample ID: 10

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 28-Sep-2011 11:28:43

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4214.D

Injection Date: 27-Sep-2011 22:06:30

Limit Group: MV - 8260B ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 33080

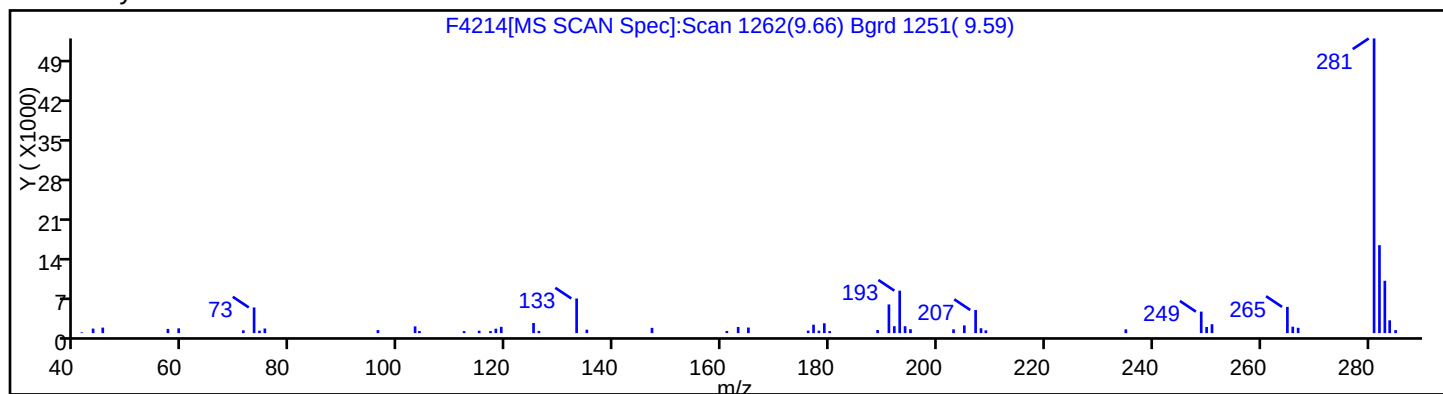
Lims Sample ID: 10

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 28-Sep-2011 11:28:43

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4214.D

Injection Date: 27-Sep-2011 22:06:30

Limit Group: MV - 8260B ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 33080

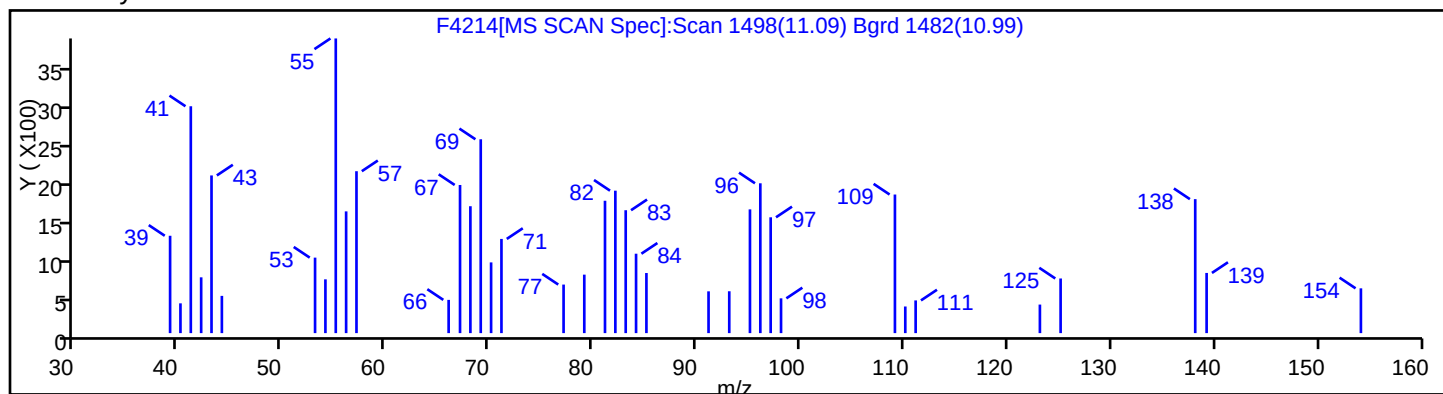
Lims Sample ID: 10

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 28-Sep-2011 11:28:43

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4214.D

Injection Date: 27-Sep-2011 22:06:30

Limit Group: MV - 8260B ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 33080

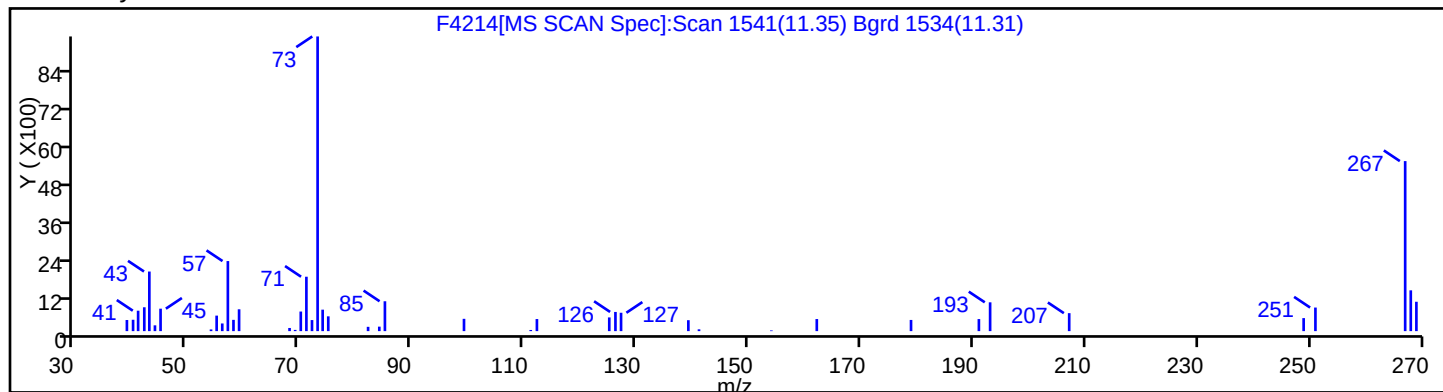
Lims Sample ID: 10

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 28-Sep-2011 11:28:43

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4214.D

Injection Date: 27-Sep-2011 22:06:30

Limit Group: MV - 8260B ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 33080

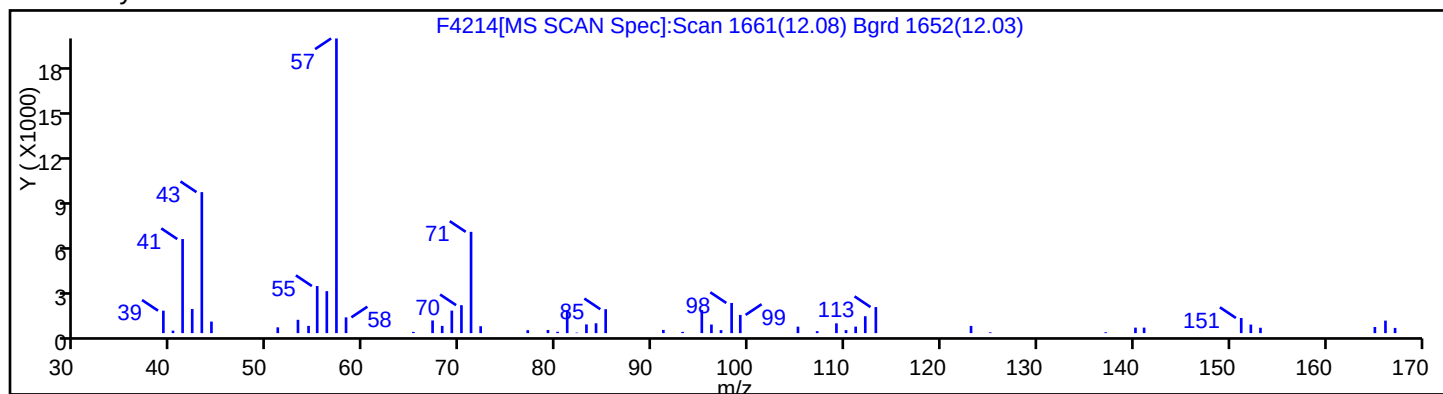
Lims Sample ID: 10

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Client Sample ID: SB-C7 (5-9) Lab Sample ID: 480-10088-4

Matrix: Solid Lab File ID: F4215.D

Analysis Method: 8260B Date Collected: 09/19/2011 11:25

Sample wt/vol: 6.541(g) Date Analyzed: 09/27/2011 22:32

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: 17.3 Level: (low/med) Low

Analysis Batch No.: 33080 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.6	0.34
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.6	0.75
79-00-5	1,1,2-Trichloroethane	ND		4.6	0.60
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	1.1
75-34-3	1,1-Dichloroethane	ND		4.6	0.56
75-35-4	1,1-Dichloroethene	ND		4.6	0.57
120-82-1	1,2,4-Trichlorobenzene	ND		4.6	0.28
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.6	2.3
106-93-4	1,2-Dibromoethane	ND		4.6	0.59
95-50-1	1,2-Dichlorobenzene	ND		4.6	0.36
107-06-2	1,2-Dichloroethane	ND		4.6	0.23
78-87-5	1,2-Dichloropropane	ND		4.6	2.3
541-73-1	1,3-Dichlorobenzene	ND		4.6	0.24
106-46-7	1,4-Dichlorobenzene	ND		4.6	0.65
591-78-6	2-Hexanone	ND		23	2.3
78-93-3	2-Butanone (MEK)	ND		23	1.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		23	1.5
67-64-1	Acetone	ND		23	3.9
71-43-2	Benzene	ND		4.6	0.23
75-27-4	Bromodichloromethane	ND		4.6	0.62
75-25-2	Bromoform	ND		4.6	2.3
74-83-9	Bromomethane	ND		4.6	0.42
75-15-0	Carbon disulfide	ND		4.6	2.3
56-23-5	Carbon tetrachloride	ND		4.6	0.45
108-90-7	Chlorobenzene	ND		4.6	0.61
124-48-1	Dibromochloromethane	ND		4.6	0.59
75-00-3	Chloroethane	ND		4.6	1.0
67-66-3	Chloroform	ND		4.6	0.29
74-87-3	Chloromethane	ND		4.6	0.28
156-59-2	cis-1,2-Dichloroethene	ND		4.6	0.59
10061-01-5	cis-1,3-Dichloropropene	ND		4.6	0.67
110-82-7	Cyclohexane	ND		4.6	0.65
75-71-8	Dichlorodifluoromethane	ND		4.6	0.38
100-41-4	Ethylbenzene	ND		4.6	0.32
98-82-8	Isopropylbenzene	ND		4.6	0.70

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Client Sample ID: SB-C7 (5-9) Lab Sample ID: 480-10088-4
 Matrix: Solid Lab File ID: F4215.D
 Analysis Method: 8260B Date Collected: 09/19/2011 11:25
 Sample wt/vol: 6.541(g) Date Analyzed: 09/27/2011 22:32
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: 17.3 Level: (low/med) Low
 Analysis Batch No.: 33080 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.6	0.86
1634-04-4	Methyl tert-butyl ether	ND		4.6	0.45
108-87-2	Methylcyclohexane	ND		4.6	0.70
75-09-2	Methylene Chloride	ND		4.6	2.1
100-42-5	Styrene	ND		4.6	0.23
127-18-4	Tetrachloroethene	ND		4.6	0.62
108-88-3	Toluene	ND		4.6	0.35
156-60-5	trans-1,2-Dichloroethene	ND		4.6	0.48
10061-02-6	trans-1,3-Dichloropropene	ND		4.6	2.0
79-01-6	Trichloroethene	ND		4.6	1.0
75-69-4	Trichlorofluoromethane	ND		4.6	0.44
75-01-4	Vinyl chloride	ND		4.6	0.56
1330-20-7	Xylenes, Total	ND		9.2	0.78

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		64-126
2037-26-5	Toluene-d8 (Surr)	101		71-125
460-00-4	4-Bromofluorobenzene (Surr)	100		72-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: SB-C7 (5-9) Lab Sample ID: 480-10088-4
Matrix: Solid Lab File ID: F4215.D
Analysis Method: 8260B Date Collected: 09/19/2011 11:25
Sample wt/vol: 6.541(g) Date Analyzed: 09/27/2011 22:32
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
% Moisture: 17.3 Level: (low/med) Low
Analysis Batch No.: 33080 Units: ug/Kg
Number TICs Found: 1 TIC Result Total: 12

CAS NO.	COMPOUND NAME	RT	RESULT	Q
556-67-2	Cyclotetrasiloxane, octamethyl-	9.66	12	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4215.D
 Lims ID: 480-10088-A-4-A Client ID: SB-C7 (5-9)
 Inject. Date: 27-Sep-2011 22:32:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-10088-A-4-A
 Misc. Info.: 480-0006262-011 =480-0006262-011
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 11
 Lims Batch ID: 33080 Lims Sample ID: 11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F-8260 SOIL.m
 Last Update: 27-Sep-2011 19:49:18 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: quirkp

Date: 28-Sep-2011 11:29:03

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	378984	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	83	179911	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.819	10.818	0.001	94	197843	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.435	5.434	0.001	96	61936	46.6	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	413045	50.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.724	9.729	-0.005	88	143742	49.9	
10 Dichlorodifluoromethane	85		2.082					
12 Chloromethane	50		2.241					
13 Vinyl chloride	62		2.362					
14 Bromomethane	94		2.648					
15 Chloroethane	64		2.727					
17 Trichlorofluoromethane	101		2.952					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.336					
22 1,1-Dichloroethene	96		3.366					
23 Acetone	43		3.421					
26 Carbon disulfide	76		3.591					
27 Methyl acetate	43		3.640					
30 Methylene Chloride	84		3.761					
32 Methyl tert-butyl ether	73		3.920					
34 trans-1,2-Dichloroethene	96		3.956					
39 1,1-Dichloroethane	63		4.297					
43 2-Butanone (MEK)	43		4.741					
45 cis-1,2-Dichloroethene	96		4.759					
50 Chloroform	83		5.003					
51 1,1,1-Trichloroethane	97		5.149					
52 Cyclohexane	56		5.179					
55 Carbon tetrachloride	117		5.276					
57 Benzene	78		5.459					
58 1,2-Dichloroethane	62		5.495					
62 Trichloroethene	95		5.982					
64 Methylcyclohexane	83		6.122					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.207					
68 Dichlorobromomethane	83		6.450					
72 cis-1,3-Dichloropropene	75		6.834					
73 4-Methyl-2-pentanone (MIBK)	43		6.931					
74 Toluene	92		7.126					
77 trans-1,3-Dichloropropene	75		7.351					
79 1,1,2-Trichloroethane	83		7.552					
81 Tetrachloroethene	166		7.655					
80 2-Hexanone	43		7.728					
83 Chlorodibromomethane	129		7.965					
84 Ethylene Dibromide	107		8.099					
87 Chlorobenzene	112		8.549					
88 Ethylbenzene	91		8.610					
90 m-Xylene & p-Xylene	106		8.726					
91 o-Xylene	106		9.158					
92 Styrene	104		9.182					
95 Bromoform	173		9.456					
94 Isopropylbenzene	105		9.517					
97 1,1,2,2-Tetrachloroethane	83		9.882					
111 1,3-Dichlorobenzene	146		10.758					
113 1,4-Dichlorobenzene	146		10.837					
116 1,2-Dichlorobenzene	146		11.183					
117 1,2-Dibromo-3-Chloropropane	75		11.853					
119 1,2,4-Trichlorobenzene	180		12.510					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4215.D
Lims ID: 480-10088-A-4-A Client ID: SB-C7 (5-9)
Inject. Date: 27-Sep-2011 22:32:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-10088-A-4-A
Misc. Info.: 480-0006262-011 =480-0006262-011
Operator: PJQ Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 11
Lims Batch ID: 33080 Lims Sample ID: 11
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F-8260 SOIL.m
Last Update: 27-Sep-2011 19:49:18 Calib Date: 01-Sep-2011 15:38:30
Tic RT Window: 1.500 -0.000 Response: area
Quant By: Nearest ISTD Quant LOD: 10.00000
MS Library: \\Bufchrom\ChromData\Database\NIST98.L
Min. Match: 85
Process Host: CORP-CTX-16

First Level Reviewer: quirkp

Date: 28-Sep-2011 11:29:03

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags

556-67-2 Cyclotetrasiloxane, octamethyl-
9.657 273689 12.5 2 91 128142

Quantitation Compounds

Compound	RT	Response	Amount ug/kg

* 2 Chlorobenzene-d5 8.519 1097819 50.0

QC Flag Legend

Processing Flags

Report Date: 28-Sep-2011 11:29:03

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4215.D

Injection Date: 27-Sep-2011 22:32:30

Limit Group: MV - 8260B ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 33080

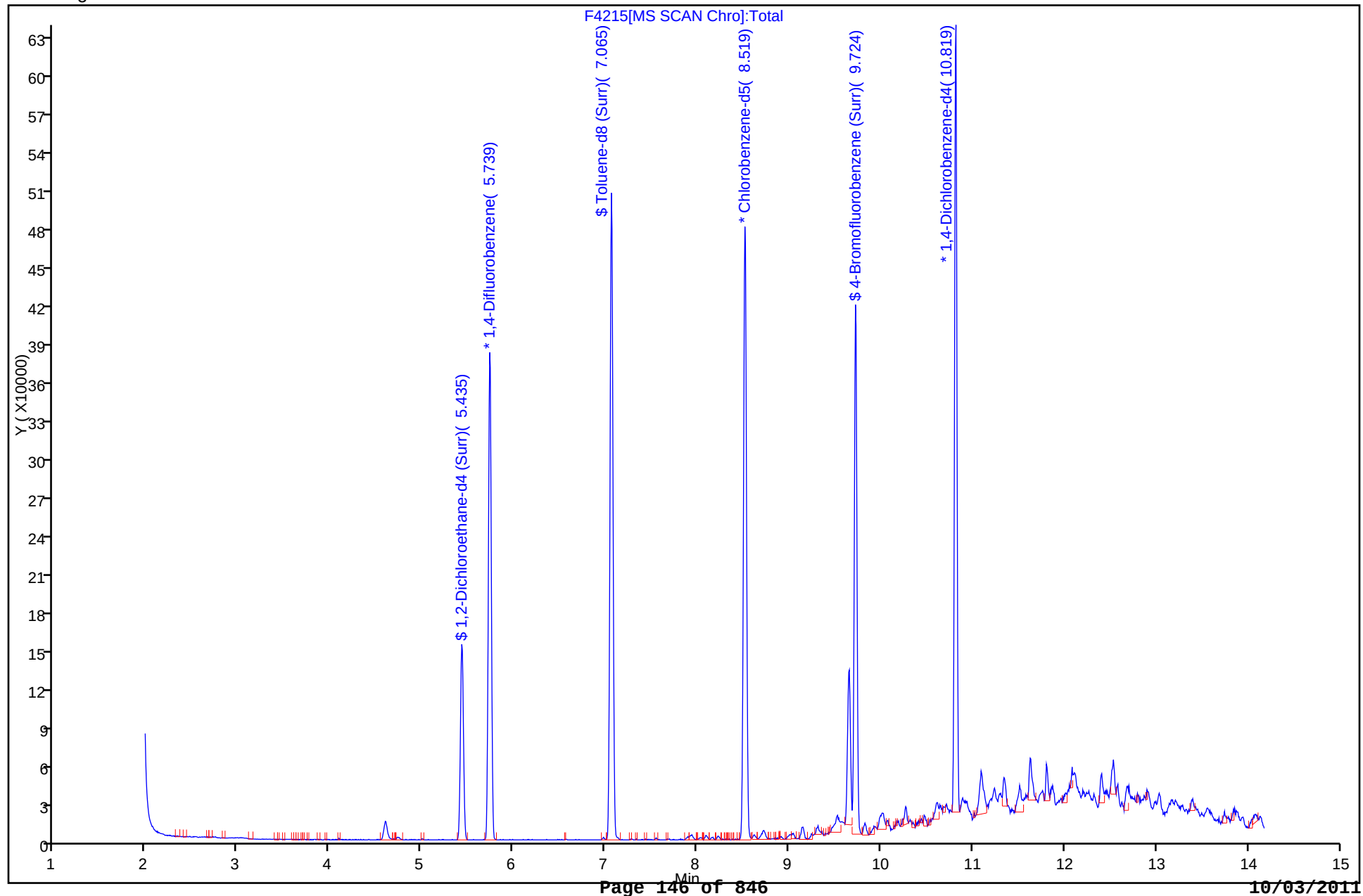
Lims Sample ID: 11

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 28-Sep-2011 11:29:03

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4215.D

Injection Date: 27-Sep-2011 22:32:30

Limit Group: MV - 8260B ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973F

Lims Batch ID: 33080

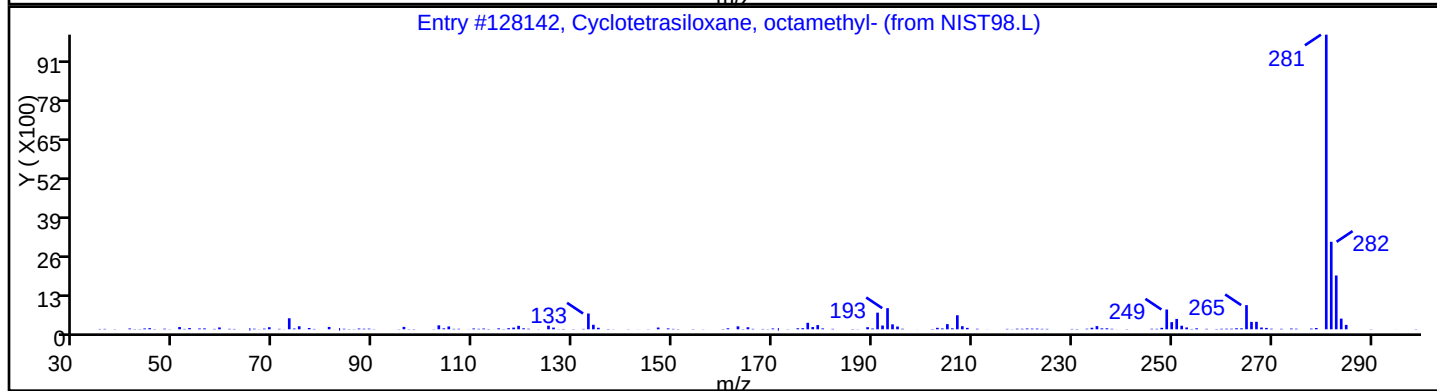
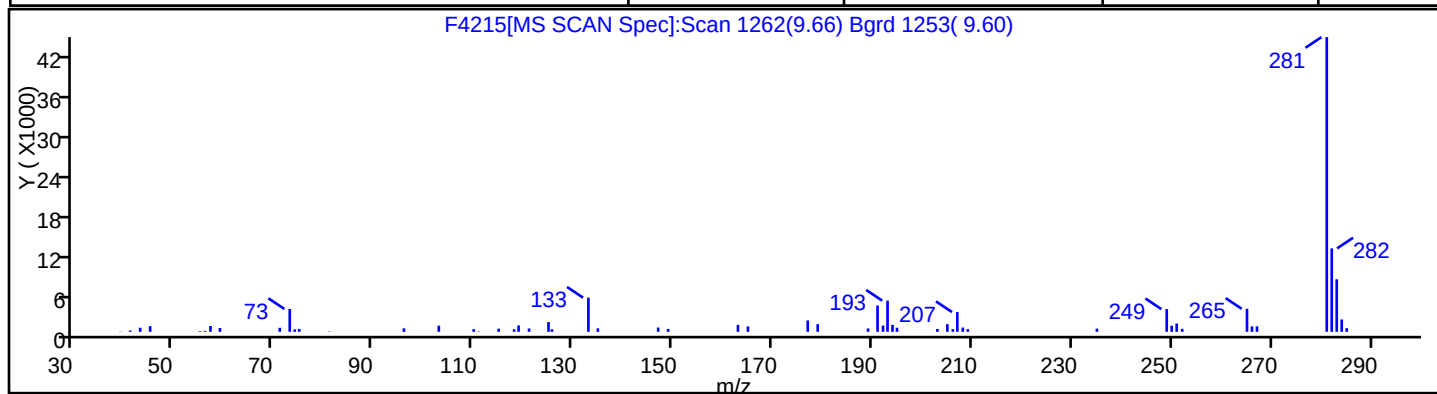
Lims Sample ID: 11

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST98.L	128142	91



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Client Sample ID: MW-53 (5-8) Lab Sample ID: 480-10088-5

Matrix: Solid Lab File ID: F4216.D

Analysis Method: 8260B Date Collected: 09/19/2011 13:05

Sample wt/vol: 5.768(g) Date Analyzed: 09/27/2011 22:57

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: 7.3 Level: (low/med) Low

Analysis Batch No.: 33080 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.7	0.34
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.7	0.76
79-00-5	1,1,2-Trichloroethane	ND		4.7	0.61
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.1
75-34-3	1,1-Dichloroethane	ND		4.7	0.57
75-35-4	1,1-Dichloroethene	ND		4.7	0.57
120-82-1	1,2,4-Trichlorobenzene	ND		4.7	0.28
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.7	2.3
106-93-4	1,2-Dibromoethane	ND		4.7	0.60
95-50-1	1,2-Dichlorobenzene	ND		4.7	0.37
107-06-2	1,2-Dichloroethane	ND		4.7	0.23
78-87-5	1,2-Dichloropropane	ND		4.7	2.3
541-73-1	1,3-Dichlorobenzene	ND		4.7	0.24
106-46-7	1,4-Dichlorobenzene	ND		4.7	0.65
591-78-6	2-Hexanone	ND		23	2.3
78-93-3	2-Butanone (MEK)	ND		23	1.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		23	1.5
67-64-1	Acetone	ND		23	3.9
71-43-2	Benzene	ND		4.7	0.23
75-27-4	Bromodichloromethane	ND		4.7	0.63
75-25-2	Bromoform	ND		4.7	2.3
74-83-9	Bromomethane	ND		4.7	0.42
75-15-0	Carbon disulfide	ND		4.7	2.3
56-23-5	Carbon tetrachloride	ND		4.7	0.45
108-90-7	Chlorobenzene	ND		4.7	0.62
124-48-1	Dibromochloromethane	ND		4.7	0.60
75-00-3	Chloroethane	ND		4.7	1.1
67-66-3	Chloroform	ND		4.7	0.29
74-87-3	Chloromethane	ND		4.7	0.28
156-59-2	cis-1,2-Dichloroethene	ND		4.7	0.60
10061-01-5	cis-1,3-Dichloropropene	ND		4.7	0.67
110-82-7	Cyclohexane	ND		4.7	0.65
75-71-8	Dichlorodifluoromethane	ND		4.7	0.39
100-41-4	Ethylbenzene	ND		4.7	0.32
98-82-8	Isopropylbenzene	ND		4.7	0.71

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Client Sample ID: MW-53 (5-8) Lab Sample ID: 480-10088-5
 Matrix: Solid Lab File ID: F4216.D
 Analysis Method: 8260B Date Collected: 09/19/2011 13:05
 Sample wt/vol: 5.768(g) Date Analyzed: 09/27/2011 22:57
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: 7.3 Level: (low/med) Low
 Analysis Batch No.: 33080 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.7	0.87
1634-04-4	Methyl tert-butyl ether	ND		4.7	0.46
108-87-2	Methylcyclohexane	ND		4.7	0.71
75-09-2	Methylene Chloride	ND		4.7	2.2
100-42-5	Styrene	ND		4.7	0.23
127-18-4	Tetrachloroethene	ND		4.7	0.63
108-88-3	Toluene	ND		4.7	0.35
156-60-5	trans-1,2-Dichloroethene	ND		4.7	0.48
10061-02-6	trans-1,3-Dichloropropene	ND		4.7	2.1
79-01-6	Trichloroethene	ND		4.7	1.0
75-69-4	Trichlorofluoromethane	ND		4.7	0.44
75-01-4	Vinyl chloride	ND		4.7	0.57
1330-20-7	Xylenes, Total	ND		9.4	0.79

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		64-126
2037-26-5	Toluene-d8 (Surr)	101		71-125
460-00-4	4-Bromofluorobenzene (Surr)	101		72-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: MW-53 (5-8) Lab Sample ID: 480-10088-5
Matrix: Solid Lab File ID: F4216.D
Analysis Method: 8260B Date Collected: 09/19/2011 13:05
Sample wt/vol: 5.768(g) Date Analyzed: 09/27/2011 22:57
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: 7.3 Level: (low/med) Low
Analysis Batch No.: 33080 Units: ug/Kg
Number TICs Found: 1 TIC Result Total: 6

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	9.65	6.0	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4216.D
 Lims ID: 480-10088-A-5-A Client ID: MW-53 (5-8)
 Inject. Date: 27-Sep-2011 22:57:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-10088-A-5-A
 Misc. Info.: 480-0006262-012 =480-0006262-012
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 33080 Lims Sample ID: 12
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F-8260 SOIL.m
 Last Update: 27-Sep-2011 19:49:18 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: quirkp

Date: 28-Sep-2011 11:29:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	369709	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	85	175028	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.818	0.0	95	196566	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.435	5.434	0.0	96	62989	48.5	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	402058	50.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.730	9.729	0.001	89	142049	50.7	
10 Dichlorodifluoromethane	85		2.082					
12 Chloromethane	50		2.241					
13 Vinyl chloride	62		2.362					
14 Bromomethane	94		2.648					
15 Chloroethane	64		2.727					
17 Trichlorofluoromethane	101		2.952					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.336					
22 1,1-Dichloroethene	96		3.366					
23 Acetone	43		3.421					
26 Carbon disulfide	76		3.591					
27 Methyl acetate	43		3.640					
30 Methylene Chloride	84		3.761					
32 Methyl tert-butyl ether	73		3.920					
34 trans-1,2-Dichloroethene	96		3.956					
39 1,1-Dichloroethane	63		4.297					
43 2-Butanone (MEK)	43		4.741					
45 cis-1,2-Dichloroethene	96		4.759					
50 Chloroform	83		5.003					
51 1,1,1-Trichloroethane	97		5.149					
52 Cyclohexane	56		5.179					
55 Carbon tetrachloride	117		5.276					
57 Benzene	78		5.459					
58 1,2-Dichloroethane	62		5.495					
62 Trichloroethene	95		5.982					
64 Methylcyclohexane	83		6.122					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.207					
68 Dichlorobromomethane	83		6.450					
72 cis-1,3-Dichloropropene	75		6.834					
73 4-Methyl-2-pentanone (MIBK)	43		6.931					
74 Toluene	92		7.126					
77 trans-1,3-Dichloropropene	75		7.351					
79 1,1,2-Trichloroethane	83		7.552					
81 Tetrachloroethene	166		7.655					
80 2-Hexanone	43		7.728					
83 Chlorodibromomethane	129		7.965					
84 Ethylene Dibromide	107		8.099					
87 Chlorobenzene	112		8.549					
88 Ethylbenzene	91		8.610					
90 m-Xylene & p-Xylene	106		8.726					
91 o-Xylene	106		9.158					
92 Styrene	104		9.182					
95 Bromoform	173		9.456					
94 Isopropylbenzene	105		9.517					
97 1,1,2,2-Tetrachloroethane	83		9.882					
111 1,3-Dichlorobenzene	146		10.758					
113 1,4-Dichlorobenzene	146		10.837					
116 1,2-Dichlorobenzene	146		11.183					
117 1,2-Dibromo-3-Chloropropane	75		11.853					
119 1,2,4-Trichlorobenzene	180		12.510					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4216.D
Lims ID: 480-10088-A-5-A Client ID: MW-53 (5-8)
Inject. Date: 27-Sep-2011 22:57:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-10088-A-5-A
Misc. Info.: 480-0006262-012 =480-0006262-012
Operator: PJQ Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 12
Lims Batch ID: 33080 Lims Sample ID: 12
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F-8260 SOIL.m
Last Update: 27-Sep-2011 19:49:18 Calib Date: 01-Sep-2011 15:38:30
Tic RT Window: 1.500 -0.000 Response: area
Quant By: Nearest ISTD Quant LOD: 10.00000
MS Library: \\Bufchrom\ChromData\Database\NIST98.L
Min. Match: 85
Process Host: CORP-CTX-16

First Level Reviewer: quirkp

Date: 28-Sep-2011 11:29:14

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags

Unknown
9.650 136169 6.40 2

Quantitation Compounds

Compound	RT	Response	Amount ug/kg

* 2 Chlorobenzene-d5 8.519 1063910 50.0

QC Flag Legend

Processing Flags

Report Date: 28-Sep-2011 11:29:14

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4216.D

Injection Date: 27-Sep-2011 22:57:30

Limit Group: MV - 8260B ICAL

Client ID: MW-53 (5-8)

Instrument ID: HP5973F

Lims Batch ID: 33080

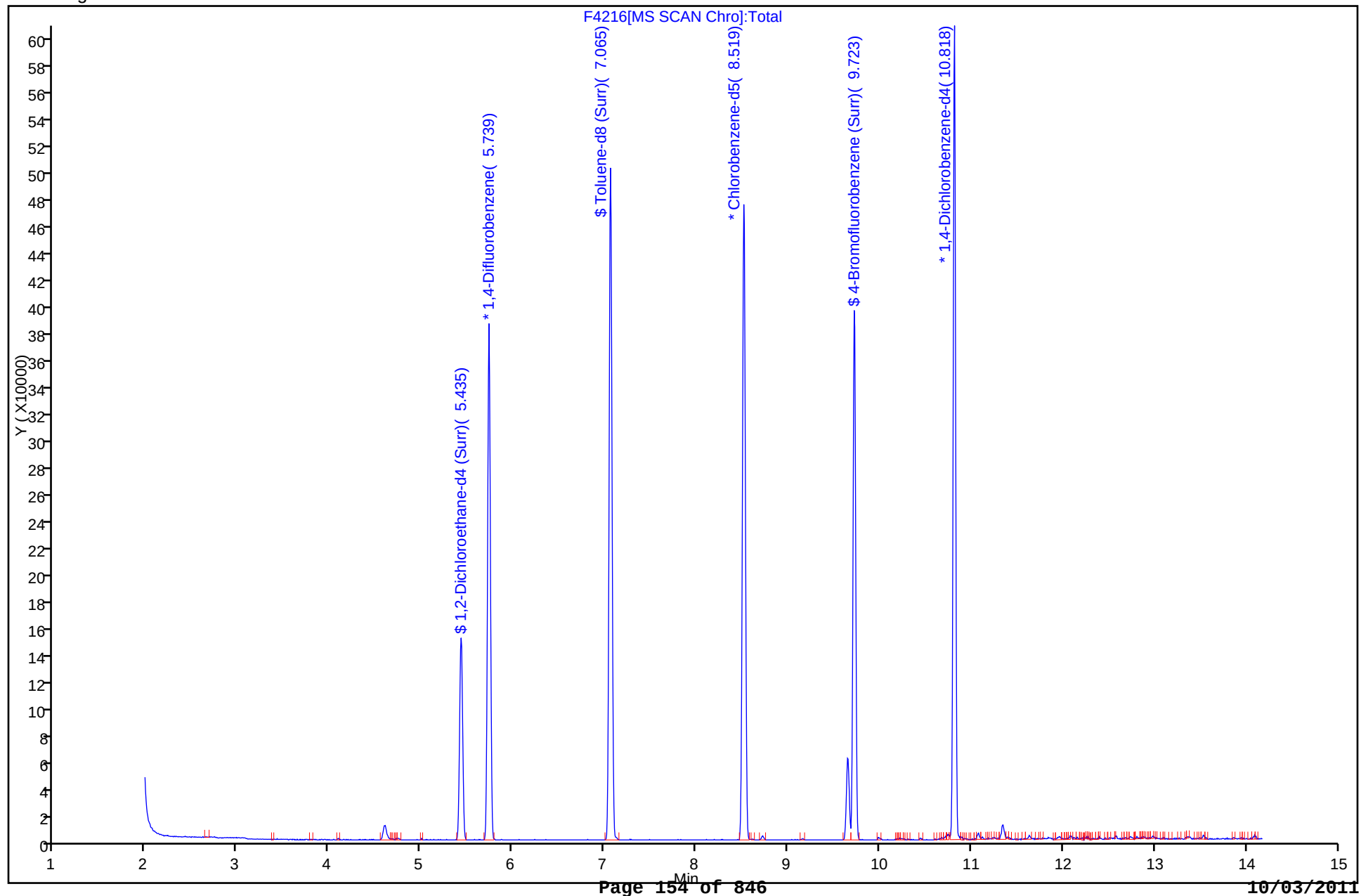
Lims Sample ID: 12

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 28-Sep-2011 11:29:14

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4216.D

Injection Date: 27-Sep-2011 22:57:30

Limit Group: MV - 8260B ICAL

Client ID: MW-53 (5-8)

Instrument ID: HP5973F

Lims Batch ID: 33080

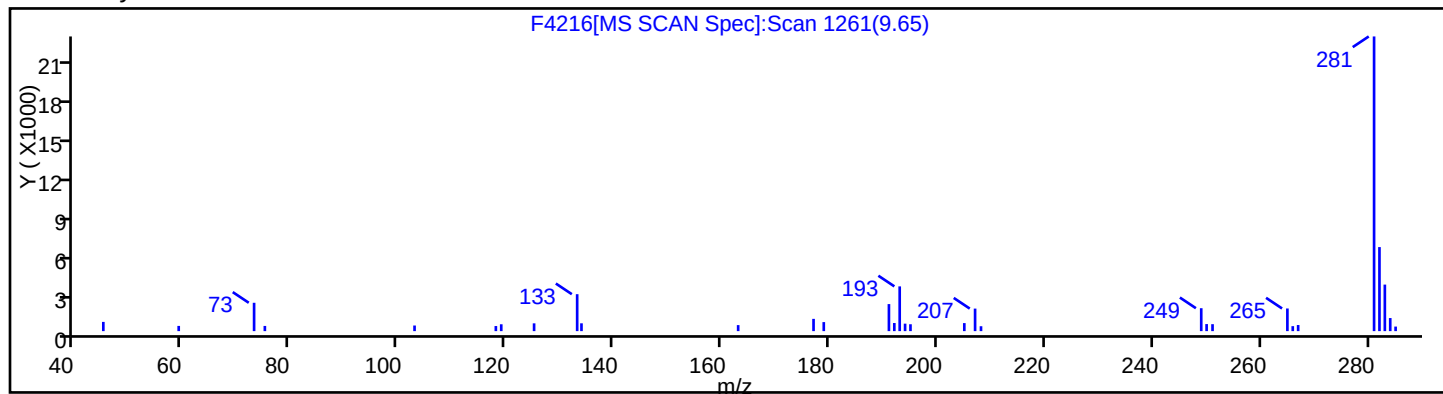
Lims Sample ID: 12

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Client Sample ID: EB Lab Sample ID: 480-10088-6

Matrix: Water Lab File ID: S6340.D

Analysis Method: 8260B Date Collected: 09/19/2011 13:30

Sample wt/vol: 5(mL) Date Analyzed: 09/28/2011 02:38

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 33097 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Client Sample ID: EB Lab Sample ID: 480-10088-6
 Matrix: Water Lab File ID: S6340.D
 Analysis Method: 8260B Date Collected: 09/19/2011 13:30
 Sample wt/vol: 5(mL) Date Analyzed: 09/28/2011 02:38
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 33097 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		66-137
2037-26-5	Toluene-d8 (Surr)	116		71-126
460-00-4	4-Bromofluorobenzene (Surr)	110		73-120

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: EB Lab Sample ID: 480-10088-6
Matrix: Water Lab File ID: S6340.D
Analysis Method: 8260B Date Collected: 09/19/2011 13:30
Sample wt/vol: 5(mL) Date Analyzed: 09/28/2011 02:38
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 33097 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20110927-6264.b\S6340.D
 Lims ID: 480-10088-E-6 Client ID: EB
 Inject. Date: 28-Sep-2011 02:38:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-10088-E-6
 Misc. Info.: 480-0006264-012 =480-0006264-012
 Operator: NMD Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 33097 Lims Sample ID: 12
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20110927-6264.b\S-8260.m
 Last Update: 27-Sep-2011 23:55:05 Calib Date: 20-Sep-2011 19:03:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6133.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 28-Sep-2011 10:01:12

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.929	4.929	0.001	94	492828	25.0	
* 2 Chlorobenzene-d5	82	7.131	7.131	0.0	83	227556	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.992	8.992	0.0	94	232621	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.631	4.630	0.0	96	81067	29.2	
\$ 5 Toluene-d8 (Surr)	98	6.011	6.011	0.0	92	520778	29.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.062	8.062	0.0	87	157076	27.6	
10 Dichlorodifluoromethane	85		1.266					
12 Chloromethane	50		1.400					
13 Vinyl chloride	62		1.503					
14 Bromomethane	94		1.771					
15 Chloroethane	64		1.875					
17 Trichlorofluoromethane	101		2.094					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		2.544					
22 1,1-Dichloroethene	96		2.550					
23 Acetone	43		2.641					
26 Carbon disulfide	76		2.720					
27 Methyl acetate	43		2.903					
30 Methylene Chloride	84		2.976					
32 Methyl tert-butyl ether	73		3.170					
34 trans-1,2-Dichloroethene	96		3.170					
39 1,1-Dichloroethane	63		3.535					
45 cis-1,2-Dichloroethene	96		3.992					
43 2-Butanone (MEK)	43		4.040					
50 Chloroform	83		4.253					
52 Cyclohexane	56		4.338					
51 1,1,1-Trichloroethane	97		4.345					
55 Carbon tetrachloride	117		4.448					
57 Benzene	78		4.630					
58 1,2-Dichloroethane	62		4.685					
62 Trichloroethene	95		5.105					
64 Methylcyclohexane	83		5.196					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.306					
68 Dichlorobromomethane	83		5.519					
72 cis-1,3-Dichloropropene	75		5.841					
73 4-Methyl-2-pentanone (MIBK)	43		5.963					
74 Toluene	92		6.060					
77 trans-1,3-Dichloropropene	75		6.273					
79 1,1,2-Trichloroethane	83		6.419					
81 Tetrachloroethene	166		6.456					
80 2-Hexanone	43		6.595					
83 Chlorodibromomethane	129		6.717					
84 Ethylene Dibromide	107		6.802					
87 Chlorobenzene	112		7.155					
88 Ethylbenzene	91		7.216					
90 m-Xylene & p-Xylene	106		7.307					
91 o-Xylene	106		7.630					
92 Styrene	104		7.648					
95 Bromoform	173		7.836					
94 Isopropylbenzene	105		7.909					
97 1,1,2,2-Tetrachloroethane	83		8.214					
111 1,3-Dichlorobenzene	146		8.938					
113 1,4-Dichlorobenzene	146		9.017					
116 1,2-Dichlorobenzene	146		9.327					
117 1,2-Dibromo-3-Chloropropane	75		10.002					
119 1,2,4-Trichlorobenzene	180		10.647					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 28-Sep-2011 10:01:12

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973S\20110927-6264.b\S6340.D

Injection Date: 28-Sep-2011 02:38:30

Limit Group: MV - 8260B ICAL

Client ID: EB

Instrument ID: HP5973S

Lims Batch ID: 33097

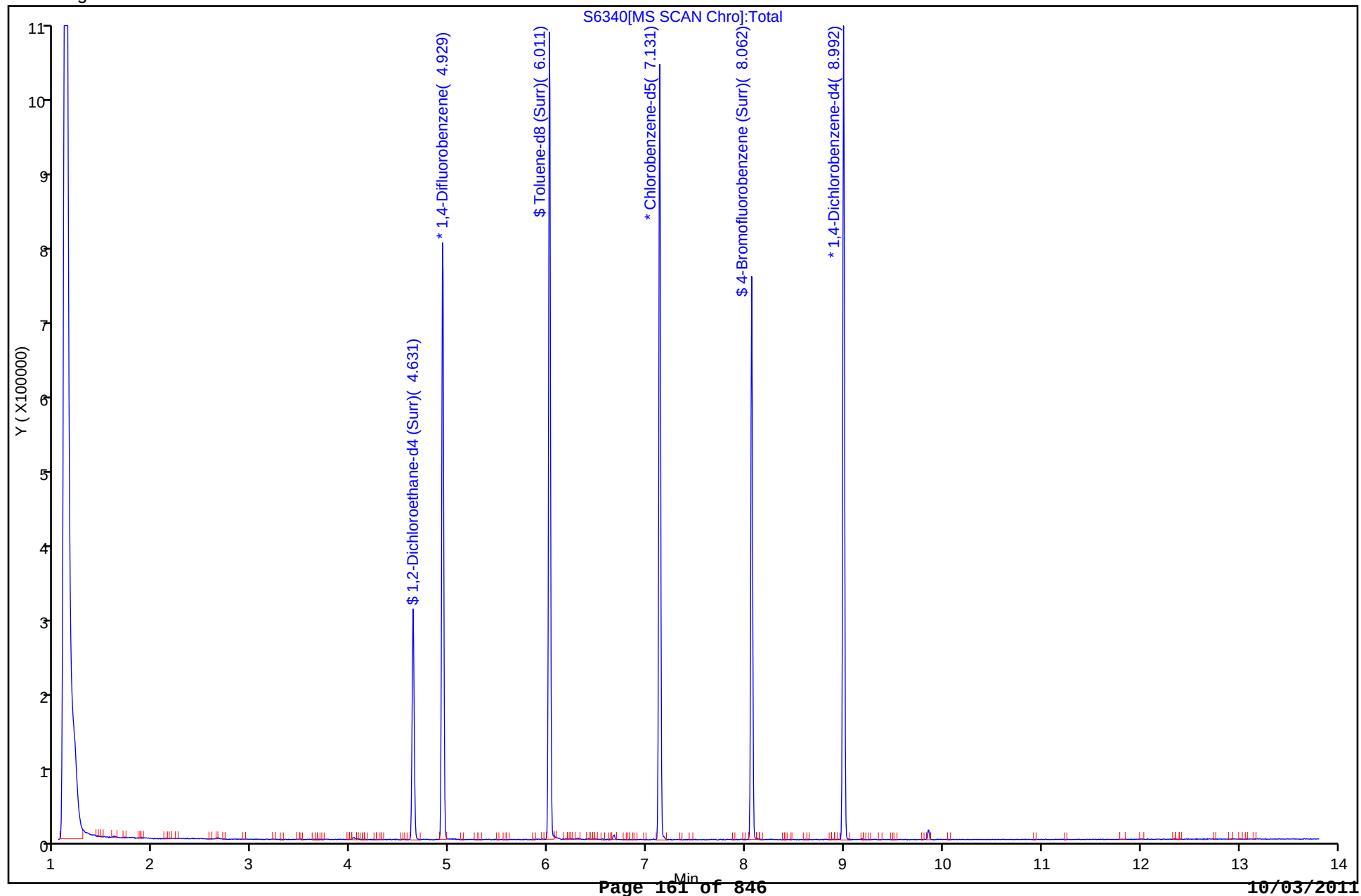
Lims Sample ID: 12

Operator ID: NMD

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Client Sample ID: TRIP BLANK Lab Sample ID: 480-10088-7

Matrix: Water Lab File ID: S6341.D

Analysis Method: 8260B Date Collected: 09/19/2011 00:00

Sample wt/vol: 5(mL) Date Analyzed: 09/28/2011 03:00

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 33097 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Client Sample ID: TRIP BLANK Lab Sample ID: 480-10088-7
 Matrix: Water Lab File ID: S6341.D
 Analysis Method: 8260B Date Collected: 09/19/2011 00:00
 Sample wt/vol: 5(mL) Date Analyzed: 09/28/2011 03:00
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 33097 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		66-137
2037-26-5	Toluene-d8 (Surr)	122		71-126
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: TRIP BLANK Lab Sample ID: 480-10088-7
Matrix: Water Lab File ID: S6341.D
Analysis Method: 8260B Date Collected: 09/19/2011 00:00
Sample wt/vol: 5(mL) Date Analyzed: 09/28/2011 03:00
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 33097 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20110927-6264.b\S6341.D
 Lims ID: 480-10088-A-7 Client ID: TRIP BLANK
 Inject. Date: 28-Sep-2011 03:00:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-10088-A-7
 Misc. Info.: 480-0006264-013 =480-0006264-013
 Operator: NMD Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 33097 Lims Sample ID: 13
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20110927-6264.b\S-8260.m
 Last Update: 27-Sep-2011 23:55:05 Calib Date: 20-Sep-2011 19:03:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6133.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 28-Sep-2011 10:01:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.935	4.929	0.007	93	489935	25.0	
* 2 Chlorobenzene-d5	82	7.131	7.131	0.0	82	221877	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.992	8.992	0.0	94	225793	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.630	4.630	0.0	96	81776	29.7	
\$ 5 Toluene-d8 (Surr)	98	6.011	6.011	0.0	92	533219	30.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.062	8.062	0.0	86	153928	27.8	
10 Dichlorodifluoromethane	85		1.266					
12 Chloromethane	50		1.400					
13 Vinyl chloride	62		1.503					
14 Bromomethane	94		1.771					
15 Chloroethane	64		1.875					
17 Trichlorofluoromethane	101		2.094					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		2.544					
22 1,1-Dichloroethene	96		2.550					
23 Acetone	43		2.641					
26 Carbon disulfide	76		2.720					
27 Methyl acetate	43		2.903					
30 Methylene Chloride	84		2.976					
32 Methyl tert-butyl ether	73		3.170					
34 trans-1,2-Dichloroethene	96		3.170					
39 1,1-Dichloroethane	63		3.535					
45 cis-1,2-Dichloroethene	96		3.992					
43 2-Butanone (MEK)	43		4.040					
50 Chloroform	83		4.253					
52 Cyclohexane	56		4.338					
51 1,1,1-Trichloroethane	97		4.345					
55 Carbon tetrachloride	117		4.448					
57 Benzene	78		4.630					
58 1,2-Dichloroethane	62		4.685					
62 Trichloroethene	95		5.105					
64 Methylcyclohexane	83		5.196					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.306					
68 Dichlorobromomethane	83		5.519					
72 cis-1,3-Dichloropropene	75		5.841					
73 4-Methyl-2-pentanone (MIBK)	43		5.963					
74 Toluene	92		6.060					
77 trans-1,3-Dichloropropene	75		6.273					
79 1,1,2-Trichloroethane	83		6.419					
81 Tetrachloroethene	166		6.456					
80 2-Hexanone	43		6.595					
83 Chlorodibromomethane	129		6.717					
84 Ethylene Dibromide	107		6.802					
87 Chlorobenzene	112		7.155					
88 Ethylbenzene	91		7.216					
90 m-Xylene & p-Xylene	106		7.307					
91 o-Xylene	106		7.630					
92 Styrene	104		7.648					
95 Bromoform	173		7.836					
94 Isopropylbenzene	105		7.909					
97 1,1,2,2-Tetrachloroethane	83		8.214					
111 1,3-Dichlorobenzene	146		8.938					
113 1,4-Dichlorobenzene	146		9.017					
116 1,2-Dichlorobenzene	146		9.327					
117 1,2-Dibromo-3-Chloropropane	75		10.002					
119 1,2,4-Trichlorobenzene	180		10.647					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 28-Sep-2011 10:01:16

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973S\20110927-6264.b\S6341.D

Injection Date: 28-Sep-2011 03:00:30

Limit Group: MV - 8260B ICAL

Client ID: TRIP BLANK

Instrument ID: HP5973S

Lims Batch ID: 33097

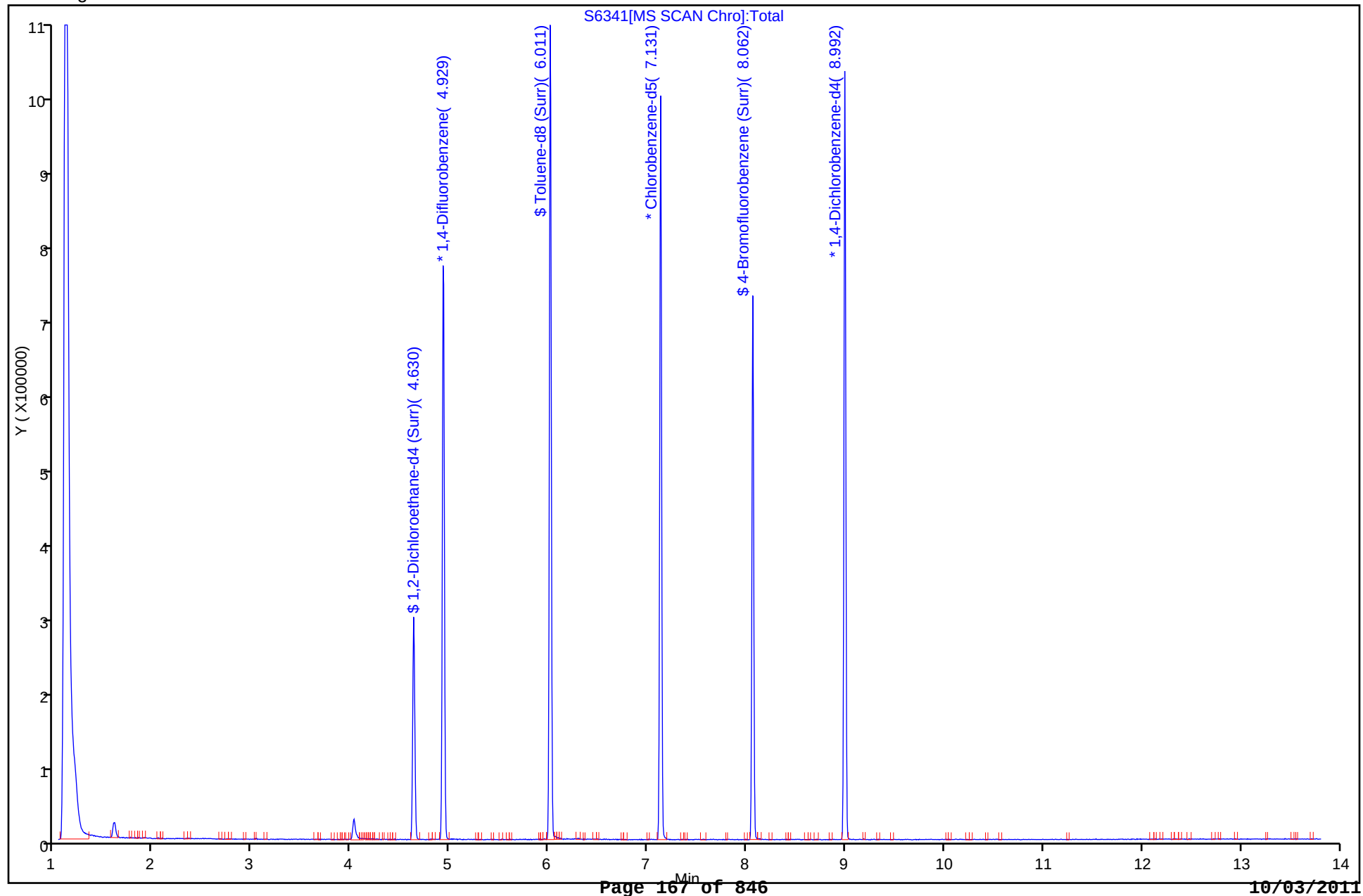
Lims Sample ID: 13

Operator ID: NMD

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 29632

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/31/2011 18:44 Calibration End Date: 08/31/2011 20:52 Calibration ID: 3800

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 480-29632/12	F3638.D
Level 2	STD8 480-29632/13	F3639.D
Level 3	STD9 480-29632/14	F3640.D
Level 4	STD10 480-29632/15	F3641.D
Level 5	STD11 480-29632/16	F3642.D
Level 6	STD12 480-29632/17	F3643.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorodifluoromethane	0.2681 0.2728	0.2718	0.2751	0.2794	0.2756	Ave		0.2738				1.4		15.0			
Dichlorofluoromethane	0.3078 0.2772	0.3122	0.3067	0.3010	0.2905	Ave		0.2992				4.4		15.0			
Ethyl ether	0.2561 0.2469	0.2601	0.2452	0.2509	0.2589	Ave		0.2530				2.5		15.0			
Propene oxide	0.0736 0.0733	0.0746	0.0724	0.0722	0.0758	Ave		0.0737				1.8		15.0			
Isopropyl alcohol	0.0299 0.0305	0.0298	0.0293	0.0293	0.0315	Ave		0.0300				2.8		15.0			
Allyl chloride	0.5256 0.4556	0.5040	0.4700	0.4665	0.4702	Ave		0.4820				5.6		15.0			
t-Butyl alcohol	0.0479 0.0500	0.0472	0.0464	0.0470	0.0513	Ave		0.0483				4.0		15.0			
Hexane	0.4957 0.4106	0.4536	0.4336	0.4359	0.4201	Ave		0.4416				6.9		15.0			
Isopropyl ether	1.0838 1.0401	1.0663	1.0421	1.0587	1.0806	Ave		1.0619				1.7		15.0			
1,1-Dimethoxyethane	0.0677 0.0706	0.0673	0.0651	0.0664	0.0714	Ave		0.0681				3.6		15.0			
Chloroprene	0.4479 0.4397	0.4582	0.4504	0.4634	0.4534	Ave		0.4522				1.8		15.0			
Tert-butyl ethyl ether	1.0383 0.9473	0.9987	0.9414	0.9646	0.9840	Ave		0.9790				3.7		15.0			
Ethyl acetate	0.3641 0.3322	0.3269	0.3147	0.3180	0.3367	Ave		0.3321				5.3		15.0			
Propionitrile	0.0520 0.0527	0.0499	0.0506	0.0495	0.0536	Ave		0.0514				3.2		15.0			
Methacrylonitrile	0.2388 0.2315	0.2301	0.2179	0.2254	0.2363	Ave		0.2300				3.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 29632

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/31/2011 18:44 Calibration End Date: 08/31/2011 20:52 Calibration ID: 3800

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isobutyl alcohol	0.0224 0.0222	0.0218	0.0214	0.0220	0.0230	Ave		0.0221				2.5		15.0			
Tert-amyl methyl ether	0.8342 0.8110	0.8323	0.7898	0.8200	0.8358	Ave		0.8205				2.2		15.0			
n-Heptane	0.5387 0.4867	0.5431	0.5109	0.5166	0.4951	Ave		0.5152				4.4		15.0			
n-Butanol	0.0131 0.0146	0.0133	0.0135	0.0140	0.0148	Ave		0.0139				5.0		15.0			
Methyl methacrylate	0.3470 0.3411	0.3368	0.3258	0.3326	0.3488	Ave		0.3387				2.6		15.0			
1,4-Dioxane	0.0075 0.0085	0.0081	0.0085	0.0081	0.0088	Ave		0.0083				5.5		15.0			
2-Nitropropane	0.1128 0.2037	0.1119	0.1240	0.1479	0.1840	LinF		0.1965							0.9900		0.9900
Epichlorohydrin	0.0390 0.0390	0.0389	0.0383	0.0382	0.0403	Ave		0.0390				1.9		15.0			
3-Chlorobenzotrifluoride	0.8727 0.8152	0.8736	0.8881	0.8753	0.8275	Ave		0.8587				3.5		15.0			
p-Monochlorobenzotrifluoride	0.8682 0.7615	0.8082	0.8095	0.8088	0.7776	Ave		0.8056				4.5		15.0			
2-Chlorobenzotrifluoride	0.8470 0.7837	0.8326	0.8434	0.8288	0.8103	Ave		0.8243				2.9		15.0			
Cyclohexanone	0.1018 0.0862	0.0964	0.0947	0.0960	0.0894	Ave		0.0941				5.9		15.0			
3-Chlorotoluene	0.7204 0.6785	0.7207	0.7165	0.7025	0.6975	Ave		0.7060				2.3		15.0			
Pentachloroethane	0.2401 0.2507	0.2292	0.2304	0.2534	0.2522	Ave		0.2427				4.6		15.0			
Dicyclopentadiene	2.6748 2.2361	2.5480	2.5052	2.4752	2.3569	Ave		2.4660				6.2		15.0			
1,2,3-Trimethylbenzene	2.4156 2.1726	2.3814	2.3614	2.3492	2.2952	Ave		2.3292				3.7		15.0			
1,3,5-Trichlorobenzene	0.9714 0.8325	0.8654	0.8919	0.8846	0.8807	Ave		0.8877				5.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 29632

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/31/2011 18:44 Calibration End Date: 08/31/2011 20:52 Calibration ID: 3800

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 480-29632/12	F3638.D
Level 2	STD8 480-29632/13	F3639.D
Level 3	STD9 480-29632/14	F3640.D
Level 4	STD10 480-29632/15	F3641.D
Level 5	STD11 480-29632/16	F3642.D
Level 6	STD12 480-29632/17	F3643.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Chlorodifluoromethane	DFB	Ave	13533 559377	27359	55494	142092	279477	5.00 200	10.0	20.0	50.0	100
Dichlorofluoromethane	DFB	Ave	15537 568567	31422	61857	153074	294589	5.00 200	10.0	20.0	50.0	100
Ethyl ether	DFB	Ave	12928 506433	26187	49461	127590	262561	5.00 200	10.0	20.0	50.0	100
Propene oxide	DFB	Ave	18577 752139	37552	73067	183642	384261	25.0 1000	50.0	100	250	500
Isopropyl alcohol	DFB	Ave	30139 1249131	59930	118213	297672	637975	100 4000	200	400	1000	2000
Allyl chloride	DFB	Ave	26529 934321	50731	94809	237261	476754	5.00 200	10.0	20.0	50.0	100
t-Butyl alcohol	DFB	Ave	48339 2049553	95086	187177	478305	1039989	100 4000	200	400	1000	2000
Hexane	DFB	Ave	25017 842037	45661	87461	221728	425963	5.00 200	10.0	20.0	50.0	100
Isopropyl ether	DFB	Ave	54700 2133168	107334	210193	538461	1095742	5.00 200	10.0	20.0	50.0	100
1,1-Dimethoxyethane	DFB	Ave	17083 724195	33864	65655	168864	361880	25.0 1000	50.0	100	250	500
Chloroprene	DFB	Ave	22608 901667	46122	90857	235696	459743	5.00 200	10.0	20.0	50.0	100
Tert-butyl ethyl ether	DFB	Ave	52406 1942774	100532	189889	490605	997726	5.00 200	10.0	20.0	50.0	100
Ethyl acetate	DFB	Ave	18377 681382	32906	63468	161761	341430	5.00 200	10.0	20.0	50.0	100
Propionitrile	DFB	Ave	26244 1080927	50198	102032	251902	543347	50.0 2000	100	200	500	1000
Methacrylonitrile	DFB	Ave	12053 474739	23160	43960	114642	239643	5.00 200	10.0	20.0	50.0	100
Isobutyl alcohol	DFB	Ave	45139 1820513	87764	172439	447171	932708	200 8000	400	800	2000	4000

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 29632

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/31/2011 18:44 Calibration End Date: 08/31/2011 20:52 Calibration ID: 3800

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Tert-amyl methyl ether	DFB	Ave	42101 1663220	83781	159310	417076	847493	5.00 200	10.0	20.0	50.0	100
n-Heptane	DFB	Ave	27189 998189	54670	103048	262741	502077	5.00 200	10.0	20.0	50.0	100
n-Butanol	DFB	Ave	26397 1194003	53524	108616	285385	599004	200 8000	400	800	2000	4000
Methyl methacrylate	DFB	Ave	17514 699574	33899	65722	169166	353714	5.00 200	10.0	20.0	50.0	100
1,4-Dioxane	CBZ	Ave	6968 317122	14952	31027	76445	166616	200 8000	400	800	2000	4000
2-Nitropropane	DCB	LinF	14267 1019884	28368	61139	185749	463570	25.0 1000	50.0	100	250	500
Epichlorohydrin	DFB	Ave	39411 1601103	78384	154464	388187	817148	100 4000	200	400	1000	2000
3-Chlorobenzotrifluoride	DCB	Ave	22072 816266	44276	87572	219798	417000	5.00 200	10.0	20.0	50.0	100
p-Monochlorobenzotrifluoride	DCB	Ave	21960 762493	40959	79820	203101	391844	5.00 200	10.0	20.0	50.0	100
2-Chlorobenzotrifluoride	DCB	Ave	21422 784671	42200	83159	208131	408334	5.00 200	10.0	20.0	50.0	100
Cyclohexanone	DCB	Ave	25743 863297	48878	93329	240972	450710	50.0 2000	100	200	500	1000
3-Chlorotoluene	DCB	Ave	18220 679372	36525	70645	176403	351477	5.00 200	10.0	20.0	50.0	100
Pentachloroethane	DCB	Ave	6073 251052	11614	22717	63644	127082	5.00 200	10.0	20.0	50.0	100
Dicyclopentadiene	DCB	Ave	67652 2239022	129136	247021	621565	1187631	5.00 200	10.0	20.0	50.0	100
1,2,3-Trimethylbenzene	DCB	Ave	61097 2175371	120692	232841	589916	1156545	5.00 200	10.0	20.0	50.0	100
1,3,5-Trichlorobenzene	DCB	Ave	24569 833573	43858	87941	222136	443792	5.00 200	10.0	20.0	50.0	100

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3638.D
 Lims ID: STD7 Client ID:
 Inject. Date: 31-Aug-2011 18:44:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: STD7
 Misc. Info.: 480-0005677-012 =480-0005677-012
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 29632 Lims Sample ID: 12
 Sublist: chrom-F-8260 SOIL*sub6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F-8260 SOIL.m
 Last Update: 01-Sep-2011 09:46:56 Calib Date: 31-Aug-2011 20:52:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3643.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 01-Sep-2011 09:46:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	504713	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	85	232347	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.818	0.0	95	252925	50.0	
11 Chlorodifluoromethane	51	2.101	2.107	-0.006	70	13533	4.90	
16 Dichlorofluoromethane	67	2.910	2.910	0.0	37	15537	5.14	
18 Ethyl ether	59	3.141	3.141	0.0	78	12928	5.06	
19 Propene oxide	58	3.250	3.244	0.006	76	18577	25.0	
24 Isopropyl alcohol	45	3.512	3.506	0.006	89	30139	99.5	
28 3-Chloro-1-propene	41	3.652	3.652	0.0	71	26529	5.45	
31 2-Methyl-2-propanol	59	3.816	3.816	0.0	92	48339	99.2	
35 Hexane	57	4.096	4.096	0.0	89	25017	5.61	
36 Isopropyl ether	45	4.248	4.248	0.0	93	54700	5.10	
38 1,1-Dimethoxyethane	75	4.321	4.321	0.0	60	17083	24.9	
40 2-Chloro-1,3-butadiene	53	4.352	4.352	0.0	77	22608	4.95	
41 Tert-butyl ethyl ether	59	4.528	4.528	0.0	96	52406	5.30	
42 Ethyl acetate	43	4.735	4.735	0.0	88	18377	5.48	
46 Propionitrile	54	4.844	4.844	0.0	91	26244	50.6	
47 Methacrylonitrile	41	4.942	4.942	0.0	77	12053	5.19	
53 Isobutyl alcohol	43	5.319	5.319	0.0	87	45139	202.2	
56 Tert-amyl methyl ether	73	5.471	5.471	0.0	91	42101	5.08	
59 n-Heptane	43	5.544	5.544	0.0	85	27189	5.23	
60 n-Butanol	56	5.879	5.872	0.007	82	26397	188.6	
63 Methyl methacrylate	41	6.213	6.213	0.0	74	17514	5.12	
66 1,4-Dioxane	88	6.317	6.317	0.0	59	6968	181.5	
70 2-Nitropropane	43	6.663	6.663	0.0	83	14267	14.3	
71 Epichlorohydrin	57	6.779	6.779	0.0	88	39411	100.2	
85 3-Chlorobenzotrifluoride	180	8.440	8.440	0.0	42	22072	5.08	
86 4-Chlorobenzotrifluoride	180	8.494	8.494	0.0	36	21960	5.39	
93 2-Chlorobenzotrifluoride	180	9.431	9.425	0.006	61	21422	5.14	
96 Cyclohexanone	55	9.711	9.711	0.0	45	25743	54.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
104 3-Chlorotoluene	126	10.113	10.113	0.0	90	18220	5.10	
108 Pentachloroethane	167	10.478	10.478	0.0	60	6073	4.95	
114 Dicyclopentadiene	66	10.831	10.837	-0.006	58	67652	5.42	
112 1,2,3-Trimethylbenzene	105	10.849	10.849	0.0	62	61097	5.19	
118 1,3,5-Trichlorobenzene	180	11.974	11.974	0.0	85	24569	5.47	

Report Date: 01-Sep-2011 09:46:56

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3638.D

Injection Date: 31-Aug-2011 18:44:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29632

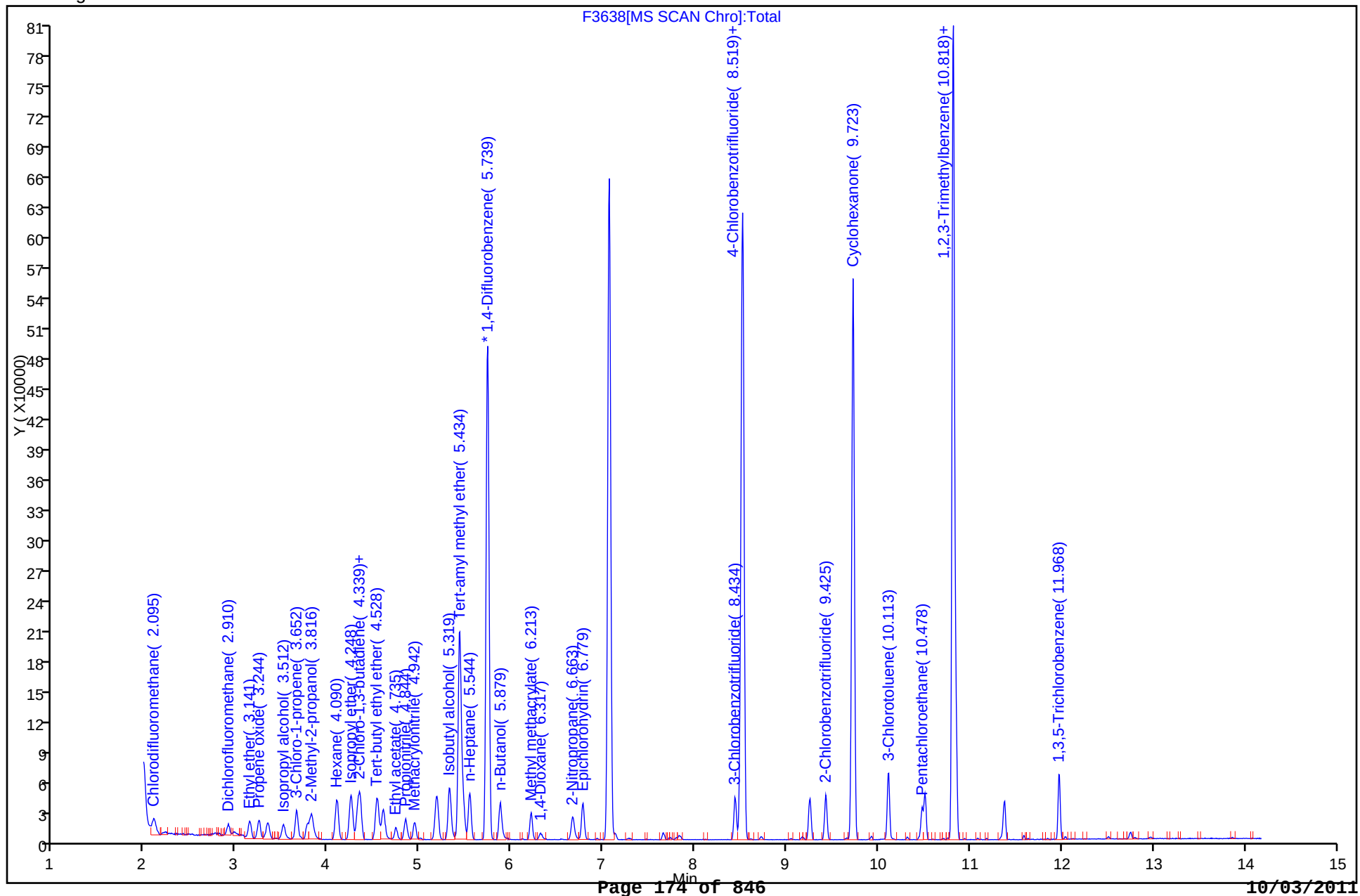
Lims Sample ID: 12

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3639.D
 Lims ID: STD8 Client ID:
 Inject. Date: 31-Aug-2011 19:10:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: STD8
 Misc. Info.: 480-0005677-013 =480-0005677-013
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 29632 Lims Sample ID: 13
 Sublist: chrom-F-8260 SOIL*sub6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F-8260 SOIL.m
 Last Update: 01-Sep-2011 09:47:07 Calib Date: 31-Aug-2011 20:52:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3643.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 01-Sep-2011 09:47:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	503308	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	86	229532	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.812	10.818	-0.006	95	253409	50.0	
11 Chlorodifluoromethane	51	2.107	2.107	0.0	67	27359	9.93	
16 Dichlorofluoromethane	67	2.910	2.910	0.0	70	31422	10.4	
18 Ethyl ether	59	3.147	3.141	0.006	91	26187	10.3	
19 Propene oxide	58	3.250	3.244	0.006	86	37552	50.6	
24 Isopropyl alcohol	45	3.512	3.506	0.006	96	59930	198.3	
28 3-Chloro-1-propene	41	3.658	3.652	0.006	82	50731	10.5	
31 2-Methyl-2-propanol	59	3.816	3.816	0.0	96	95086	195.6	
35 Hexane	57	4.096	4.096	0.0	93	45661	10.3	
36 Isopropyl ether	45	4.248	4.248	0.0	94	107334	10.0	
38 1,1-Dimethoxyethane	75	4.327	4.321	0.006	66	33864	49.4	
40 2-Chloro-1,3-butadiene	53	4.352	4.352	0.0	88	46122	10.1	
41 Tert-butyl ethyl ether	59	4.534	4.528	0.006	96	100532	10.2	
42 Ethyl acetate	43	4.741	4.735	0.006	95	32906	9.84	
46 Propionitrile	54	4.844	4.844	0.0	96	50198	97.1	
47 Methacrylonitrile	41	4.948	4.942	0.006	83	23160	10.0	
53 Isobutyl alcohol	43	5.325	5.319	0.006	94	87764	394.2	
56 Tert-amyl methyl ether	73	5.471	5.471	0.0	94	83781	10.1	
59 n-Heptane	43	5.544	5.544	0.0	87	54670	10.5	
60 n-Butanol	56	5.879	5.872	0.007	85	53524	383.5	
63 Methyl methacrylate	41	6.213	6.213	0.0	86	33899	9.94	
66 1,4-Dioxane	88	6.310	6.317	-0.007	82	14952	394.3	
70 2-Nitropropane	43	6.669	6.663	0.006	96	28368	28.5	
71 Epichlorohydrin	57	6.779	6.779	0.0	96	78384	199.9	
85 3-Chlorobenzotrifluoride	180	8.440	8.440	0.0	74	44276	10.2	
86 4-Chlorobenzotrifluoride	180	8.494	8.494	0.0	54	40959	10.0	
93 2-Chlorobenzotrifluoride	180	9.425	9.425	0.0	89	42200	10.1	
96 Cyclohexanone	55	9.711	9.711	0.0	55	48878	102.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
104 3-Chlorotoluene	126	10.107	10.113	-0.006	94	36525	10.2	
108 Pentachloroethane	167	10.472	10.478	-0.006	64	11614	9.44	
114 Dicyclopentadiene	66	10.831	10.837	-0.006	76	129136	10.3	
112 1,2,3-Trimethylbenzene	105	10.849	10.849	0.0	66	120692	10.2	
118 1,3,5-Trichlorobenzene	180	11.974	11.974	0.0	92	43858	9.75	

Report Date: 01-Sep-2011 09:47:07

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3639.D

Injection Date: 31-Aug-2011 19:10:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29632

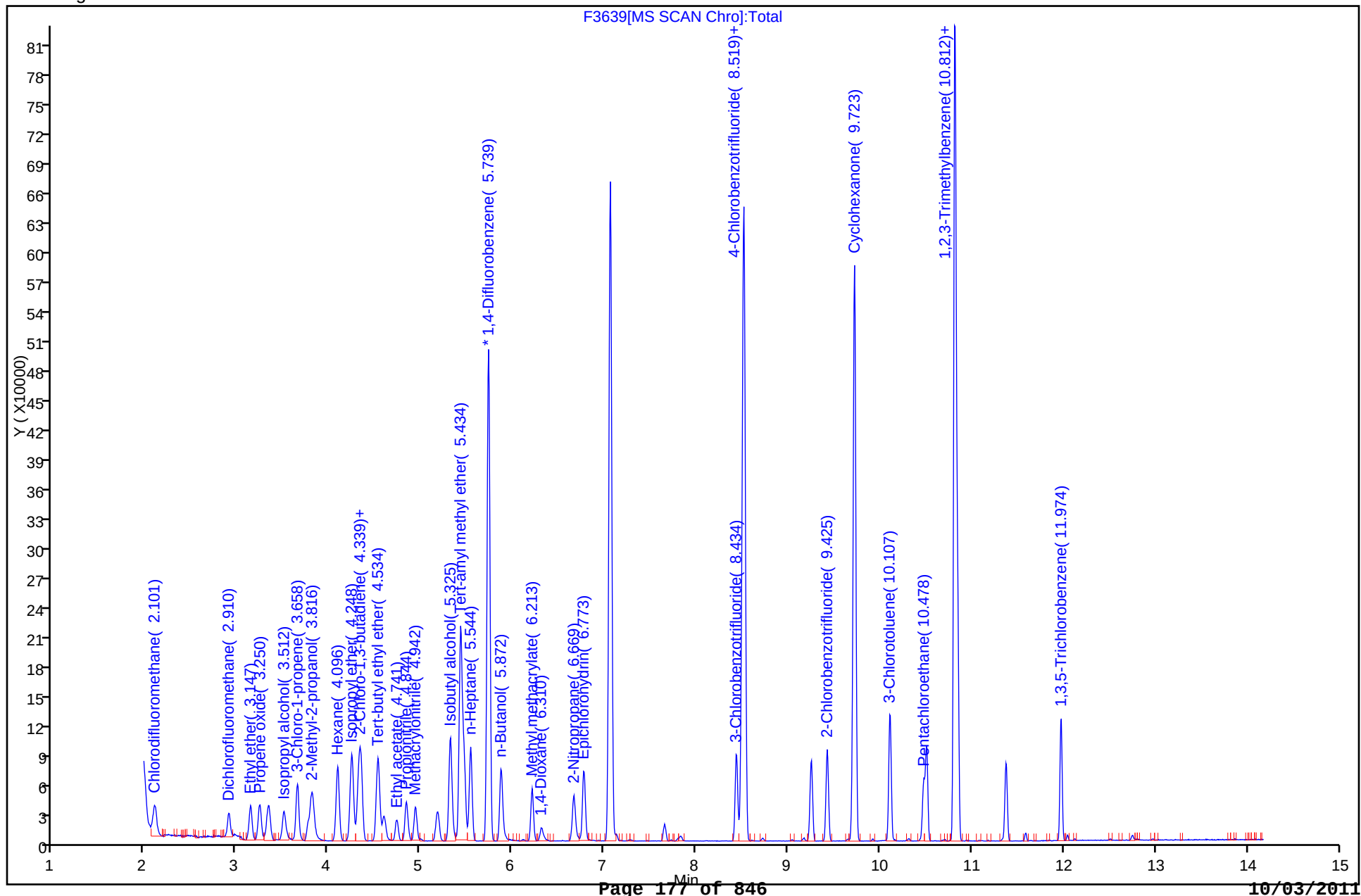
Lims Sample ID: 13

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3640.D
 Lims ID: STD9 Client ID:
 Inject. Date: 31-Aug-2011 19:35:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: STD9
 Misc. Info.: 480-0005677-014 =480-0005677-014
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 14
 Lims Batch ID: 29632 Lims Sample ID: 14
 Sublist: chrom-F-8260 SOIL*sub6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F-8260 SOIL.m
 Last Update: 01-Sep-2011 09:47:14 Calib Date: 31-Aug-2011 20:52:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3643.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 01-Sep-2011 09:47:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	504266	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	83	229393	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.818	0.0	95	246508	50.0	
11 Chlorodifluoromethane	51	2.107	2.107	0.0	72	55494	20.1	
16 Dichlorofluoromethane	67	2.910	2.910	0.0	95	61857	20.5	
18 Ethyl ether	59	3.141	3.141	0.0	87	49461	19.4	
19 Propene oxide	58	3.244	3.244	0.0	85	73067	98.3	
24 Isopropyl alcohol	45	3.506	3.506	0.0	98	118213	390.5	
28 3-Chloro-1-propene	41	3.652	3.652	0.0	86	94809	19.5	
31 2-Methyl-2-propanol	59	3.816	3.816	0.0	98	187177	384.3	
35 Hexane	57	4.096	4.096	0.0	92	87461	19.6	
36 Isopropyl ether	45	4.248	4.248	0.0	95	210193	19.6	
38 1,1-Dimethoxyethane	75	4.321	4.321	0.0	67	65655	95.6	
40 2-Chloro-1,3-butadiene	53	4.352	4.352	0.0	93	90857	19.9	
41 Tert-butyl ethyl ether	59	4.528	4.528	0.0	99	189889	19.2	
42 Ethyl acetate	43	4.735	4.735	0.0	94	63468	18.9	
46 Propionitrile	54	4.844	4.844	0.0	98	102032	196.9	
47 Methacrylonitrile	41	4.942	4.942	0.0	93	43960	19.0	
53 Isobutyl alcohol	43	5.319	5.319	0.0	93	172439	773.1	
56 Tert-amyl methyl ether	73	5.471	5.471	0.0	95	159310	19.3	
59 n-Heptane	43	5.544	5.544	0.0	93	103048	19.8	
60 n-Butanol	56	5.872	5.872	0.0	91	108616	776.8	
63 Methyl methacrylate	41	6.213	6.213	0.0	89	65722	19.2	
66 1,4-Dioxane	88	6.317	6.317	0.0	84	31027	818.7	
70 2-Nitropropane	43	6.663	6.663	0.0	97	61139	63.1	
71 Epichlorohydrin	57	6.779	6.779	0.0	98	154464	393.1	
85 3-Chlorobenzotrifluoride	180	8.440	8.440	0.0	87	87572	20.7	
86 4-Chlorobenzotrifluoride	180	8.494	8.494	0.0	70	79820	20.1	
93 2-Chlorobenzotrifluoride	180	9.425	9.425	0.0	93	83159	20.5	
96 Cyclohexanone	55	9.711	9.711	0.0	75	93329	201.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
104 3-Chlorotoluene	126	10.113	10.113	0.0	95	70645	20.3	
108 Pentachloroethane	167	10.478	10.478	0.0	70	22717	19.0	
114 Dicyclopentadiene	66	10.837	10.837	0.0	95	247021	20.3	
112 1,2,3-Trimethylbenzene	105	10.849	10.849	0.0	80	232841	20.3	
118 1,3,5-Trichlorobenzene	180	11.974	11.974	0.0	97	87941	20.1	

Report Date: 01-Sep-2011 09:47:14

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3640.D

Injection Date: 31-Aug-2011 19:35:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29632

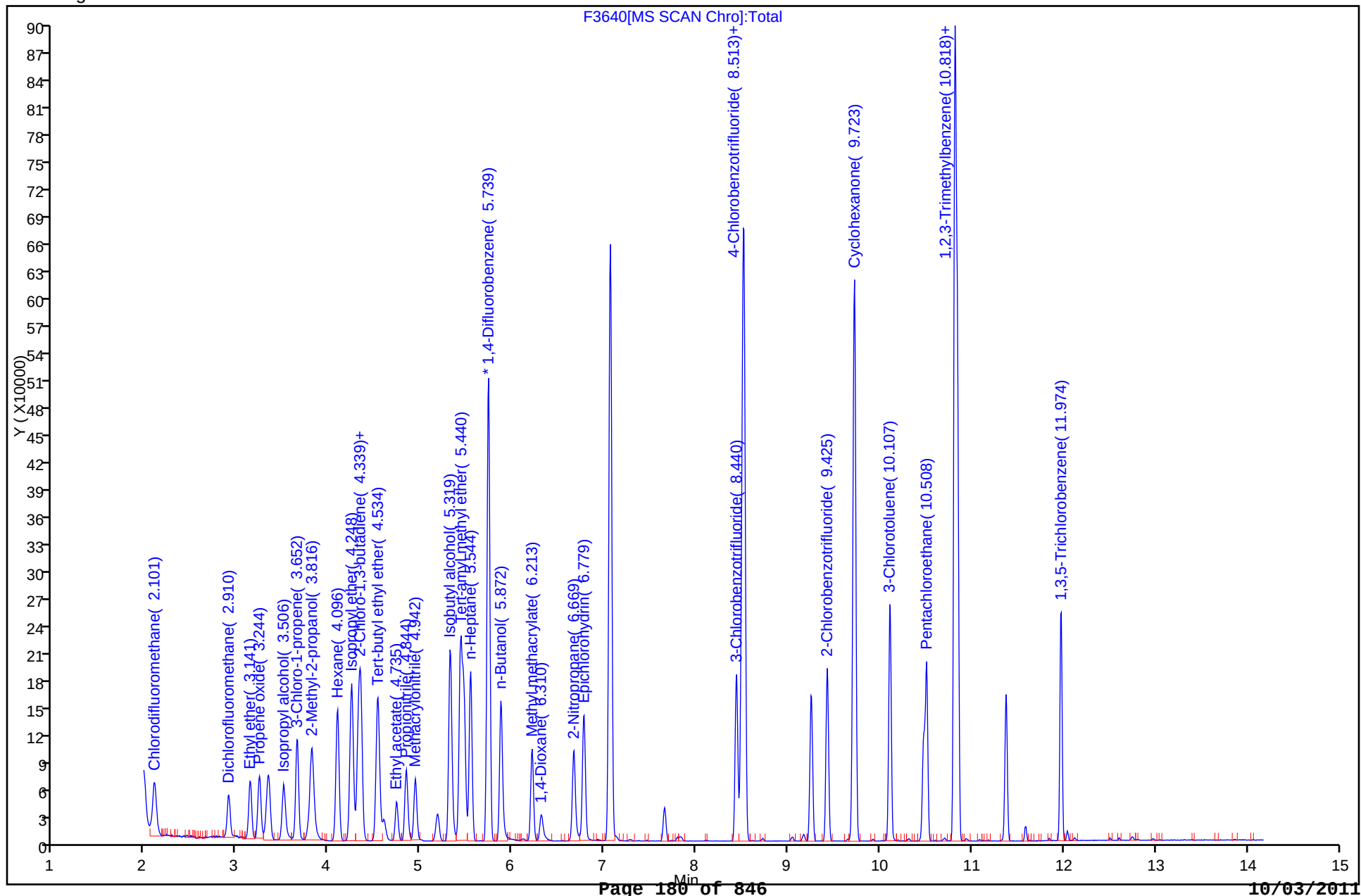
Lims Sample ID: 14

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3641.D
 Lims ID: STD10 Client ID:
 Inject. Date: 31-Aug-2011 20:01:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: STD10
 Misc. Info.: 480-0005677-015 =480-0005677-015
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 15
 Lims Batch ID: 29632 Lims Sample ID: 15
 Sublist: chrom-F-8260 SOIL*sub6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F-8260 SOIL.m
 Last Update: 01-Sep-2011 09:47:20 Calib Date: 31-Aug-2011 20:52:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3643.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 01-Sep-2011 09:47:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	508619	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	82	234697	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.819	10.819	0.0	94	251117	50.0	
11 Chlorodifluoromethane	51	2.107	2.107	0.0	76	142092	51.0	
16 Dichlorofluoromethane	67	2.916	2.916	0.0	97	153074	50.3	
18 Ethyl ether	59	3.147	3.147	0.0	95	127590	49.6	
19 Propene oxide	58	3.251	3.251	0.0	86	183642	245.0	
24 Isopropyl alcohol	45	3.512	3.512	0.0	99	297672	974.9	
28 3-Chloro-1-propene	41	3.658	3.658	0.0	87	237261	48.4	
31 2-Methyl-2-propanol	59	3.816	3.816	0.0	97	478305	973.5	
35 Hexane	57	4.096	4.096	0.0	95	221728	49.4	
36 Isopropyl ether	45	4.248	4.248	0.0	95	538461	49.8	
38 1,1-Dimethoxyethane	75	4.327	4.327	0.0	67	168864	243.8	
40 2-Chloro-1,3-butadiene	53	4.352	4.352	0.0	93	235696	51.2	
41 Tert-butyl ethyl ether	59	4.534	4.534	0.0	98	490605	49.3	
42 Ethyl acetate	43	4.741	4.741	0.0	99	161761	47.9	
46 Propionitrile	54	4.845	4.845	0.0	99	251902	482.0	
47 Methacrylonitrile	41	4.942	4.942	0.0	96	114642	49.0	
53 Isobutyl alcohol	43	5.319	5.319	0.0	93	447171	1987.7	
56 Tert-amyl methyl ether	73	5.471	5.471	0.0	95	417076	50.0	
59 n-Heptane	43	5.544	5.544	0.0	92	262741	50.1	
60 n-Butanol	56	5.873	5.873	0.0	91	285385	2023.6	
63 Methyl methacrylate	41	6.213	6.213	0.0	91	169166	49.1	
66 1,4-Dioxane	88	6.311	6.311	0.0	93	76445	1971.6	
70 2-Nitropropane	43	6.670	6.670	0.0	96	185749	188.2	
71 Epichlorohydrin	57	6.779	6.779	0.0	98	388187	979.5	
85 3-Chlorobenzotrifluoride	180	8.440	8.440	0.0	90	219798	51.0	M
86 4-Chlorobenzotrifluoride	180	8.495	8.495	0.0	94	203101	50.2	
93 2-Chlorobenzotrifluoride	180	9.425	9.425	0.0	95	208131	50.3	
96 Cyclohexanone	55	9.711	9.711	0.0	94	240972	510.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
104 3-Chlorotoluene	126	10.113	10.113	0.0	96	176403	49.8	
108 Pentachloroethane	167	10.478	10.478	0.0	87	63644	52.2	
114 Dicyclopentadiene	66	10.831	10.831	0.0	96	621565	50.2	
112 1,2,3-Trimethylbenzene	105	10.849	10.849	0.0	93	589916	50.4	
118 1,3,5-Trichlorobenzene	180	11.974	11.974	0.0	96	222136	49.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 01-Sep-2011 09:47:20

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3641.D

Injection Date: 31-Aug-2011 20:01:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29632

Lims Sample ID: 15

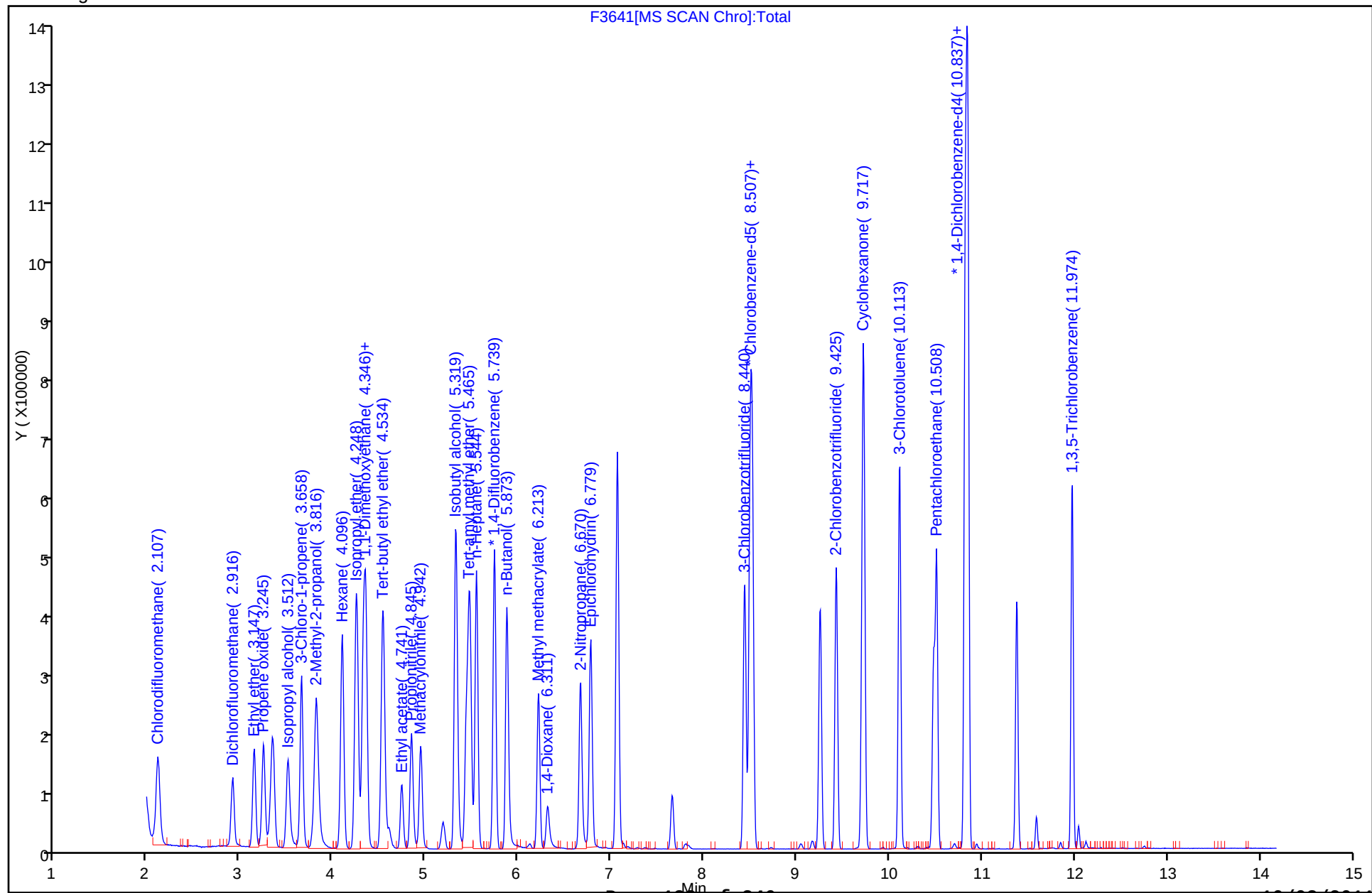
Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:

F3641[MS SCAN Chro]:Total

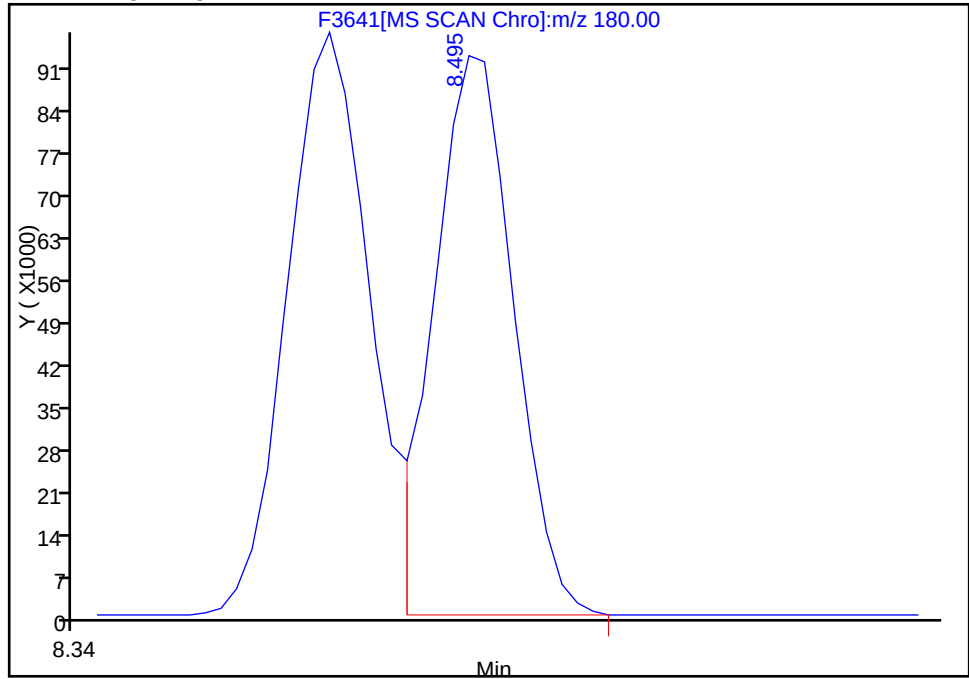


Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3641.D
Injection Date: 31-Aug-2011 20:01:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973F
Lims Batch ID: 29632 Lims Sample ID: 15
Operator ID: PJQ
Column Type: ZB-624 Column Dia: 0.25 mm

85 3-Chlorobenzotrifluoride, Signal: 1, m/z: 180.0 Type: quant, RT: 8.44

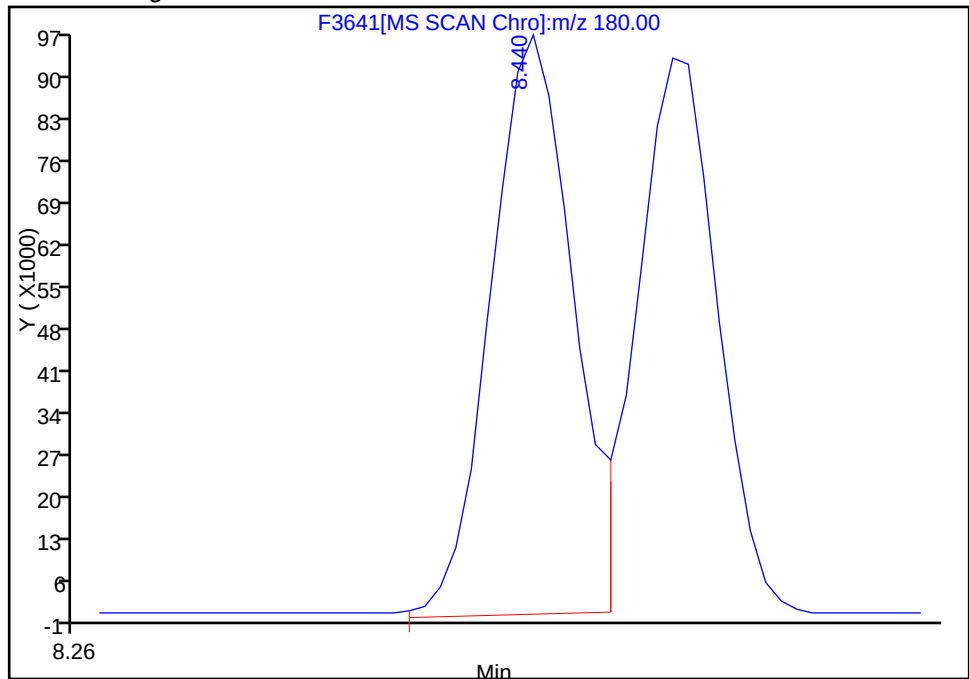
RT: 8.49
Response: 203101
Amount: 50.195582

Processing Integration Results



RT: 8.44
Response: 219798
Amount: 50.963062

Manual Integration Results



Reviewer: quirkp, 01-Sep-2011 09:33:10
Audit Action: Manually Integrated
Audit Reason: Wrong peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3642.D
 Lims ID: STD11 Client ID:
 Inject. Date: 31-Aug-2011 20:26:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: STD11
 Misc. Info.: 480-0005677-016 =480-0005677-016
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 16
 Lims Batch ID: 29632 Lims Sample ID: 16
 Sublist: chrom-F-8260 SOIL*sub6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F-8260 SOIL.m
 Last Update: 01-Sep-2011 09:47:26 Calib Date: 31-Aug-2011 20:52:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3643.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 01-Sep-2011 09:47:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	506998	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	81	235737	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.819	10.819	0.0	79	251950	50.0	
11 Chlorodifluoromethane	51	2.107	2.107	0.0	77	279477	100.7	
16 Dichlorofluoromethane	67	2.910	2.916	-0.006	83	294589	97.1	
18 Ethyl ether	59	3.147	3.147	0.0	96	262561	102.3	
19 Propene oxide	58	3.245	3.251	-0.007	77	384261	514.4	
24 Isopropyl alcohol	45	3.512	3.512	0.0	99	637975	2096.0	
28 3-Chloro-1-propene	41	3.658	3.658	0.0	88	476754	97.6	
31 2-Methyl-2-propanol	59	3.816	3.816	0.0	97	1039989	2123.6	
35 Hexane	57	4.096	4.096	0.0	94	425963	95.1	
36 Isopropyl ether	45	4.248	4.248	0.0	95	1095742	101.8	
38 1,1-Dimethoxyethane	75	4.321	4.327	-0.006	66	361880	524.2	
40 2-Chloro-1,3-butadiene	53	4.352	4.352	0.0	93	459743	100.3	
41 Tert-butyl ethyl ether	59	4.534	4.534	0.0	98	997726	100.5	
42 Ethyl acetate	43	4.735	4.741	-0.006	99	341430	101.4	
46 Propionitrile	54	4.844	4.845	0.0	99	543347	1043.0	
47 Methacrylonitrile	41	4.942	4.942	0.0	94	239643	102.8	
53 Isobutyl alcohol	43	5.319	5.319	0.0	93	932708	4159.1	
56 Tert-amyl methyl ether	73	5.471	5.471	0.0	96	847493	101.9	
59 n-Heptane	43	5.544	5.544	0.0	91	502077	96.1	
60 n-Butanol	56	5.873	5.873	0.0	90	599004	4261.1	
63 Methyl methacrylate	41	6.213	6.213	0.0	93	353714	103.0	
66 1,4-Dioxane	88	6.311	6.311	0.0	93	166616	4278.3	
70 2-Nitropropane	43	6.663	6.670	-0.007	98	463570	468.1	
71 Epichlorohydrin	57	6.779	6.779	0.0	100	817148	2068.5	
85 3-Chlorobenzotrifluoride	180	8.440	8.440	0.0	92	417000	96.4	
86 4-Chlorobenzotrifluoride	180	8.495	8.495	0.0	95	391844	96.5	
93 2-Chlorobenzotrifluoride	180	9.425	9.425	0.0	95	408334	98.3	
96 Cyclohexanone	55	9.711	9.711	0.0	94	450710	950.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
104 3-Chlorotoluene	126	10.113	10.113	0.0	96	351477	98.8	
108 Pentachloroethane	167	10.478	10.478	0.0	85	127082	103.9	
114 Dicyclopentadiene	66	10.831	10.831	0.0	97	1187631	95.6	
112 1,2,3-Trimethylbenzene	105	10.849	10.849	0.0	96	1156545	98.5	
118 1,3,5-Trichlorobenzene	180	11.974	11.974	0.0	98	443792	99.2	

Report Date: 01-Sep-2011 09:47:26

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3642.D

Injection Date: 31-Aug-2011 20:26:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29632

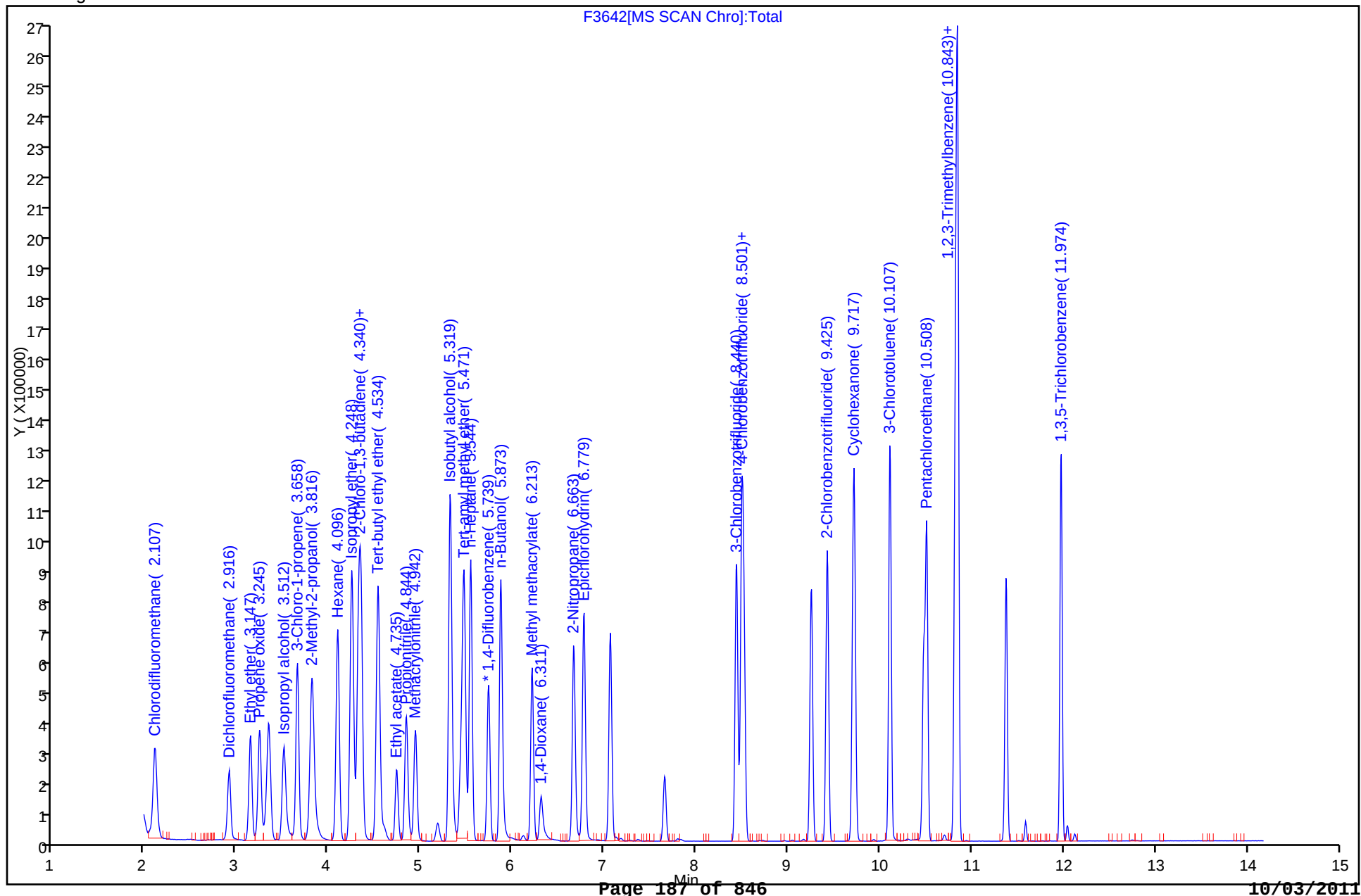
Lims Sample ID: 16

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3643.D
 Lims ID: STD12 Client ID:
 Inject. Date: 31-Aug-2011 20:52:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: STD12
 Misc. Info.: 480-0005677-017 =480-0005677-017
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 17
 Lims Batch ID: 29632 Lims Sample ID: 17
 Sublist: chrom-F-8260 SOIL*sub6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F-8260 SOIL.m
 Last Update: 01-Sep-2011 09:47:34 Calib Date: 31-Aug-2011 20:52:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3643.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 01-Sep-2011 09:47:34

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	512712	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	83	233468	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.819	-0.001	62	250322	50.0	
11 Chlorodifluoromethane	51	2.113	2.107	0.006	98	559377	199.2	
16 Dichlorofluoromethane	67	2.916	2.916	0.0	98	568567	185.3	
18 Ethyl ether	59	3.147	3.147	0.0	95	506433	195.2	
19 Propene oxide	58	3.244	3.251	-0.007	85	752139	995.6	
24 Isopropyl alcohol	45	3.512	3.512	0.0	99	1249131	4058.2	
28 3-Chloro-1-propene	41	3.658	3.658	0.0	89	934321	189.0	
31 2-Methyl-2-propanol	59	3.816	3.816	0.0	97	2049553	4138.4	
35 Hexane	57	4.096	4.096	0.0	95	842037	186.0	
36 Isopropyl ether	45	4.248	4.248	0.0	95	2133168	195.9	
38 1,1-Dimethoxyethane	75	4.321	4.327	-0.006	66	724195	1037.4	
40 2-Chloro-1,3-butadiene	53	4.352	4.352	0.0	93	901667	194.5	
41 Tert-butyl ethyl ether	59	4.534	4.534	0.0	98	1942774	193.5	
42 Ethyl acetate	43	4.735	4.741	-0.006	100	681382	200.1	
46 Propionitrile	54	4.844	4.845	0.0	99	1080927	2051.7	
47 Methacrylonitrile	41	4.942	4.942	0.0	94	474739	201.3	
53 Isobutyl alcohol	43	5.319	5.319	0.0	94	1820513	8027.6	
56 Tert-amyl methyl ether	73	5.471	5.471	0.0	95	1663220	197.7	
59 n-Heptane	43	5.544	5.544	0.0	91	998189	188.9	
60 n-Butanol	56	5.872	5.873	-0.001	90	1194003	8399.0	
63 Methyl methacrylate	41	6.213	6.213	0.0	93	699574	201.4	
66 1,4-Dioxane	88	6.310	6.311	-0.001	94	317122	8222.1	
70 2-Nitropropane	43	6.663	6.670	-0.007	99	1019884	1036.5	
71 Epichlorohydrin	57	6.779	6.779	0.0	100	1601103	4007.8	
85 3-Chlorobenzotrifluoride	180	8.440	8.440	0.0	89	816266	189.9	
86 4-Chlorobenzotrifluoride	180	8.494	8.495	-0.001	94	762493	189.0	
93 2-Chlorobenzotrifluoride	180	9.425	9.425	0.0	95	784671	190.1	
96 Cyclohexanone	55	9.711	9.711	0.0	95	863297	1832.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
104 3-Chlorotoluene	126	10.113	10.113	0.0	96	679372	192.2	
108 Pentachloroethane	167	10.478	10.478	0.0	90	251052	206.6	
114 Dicyclopentadiene	66	10.831	10.831	0.0	97	2239022	181.4	
112 1,2,3-Trimethylbenzene	105	10.849	10.849	0.0	97	2175371	186.5	
118 1,3,5-Trichlorobenzene	180	11.974	11.974	0.0	95	833573	187.6	

Report Date: 01-Sep-2011 09:47:34

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3643.D

Injection Date: 31-Aug-2011 20:52:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29632

Lims Sample ID: 17

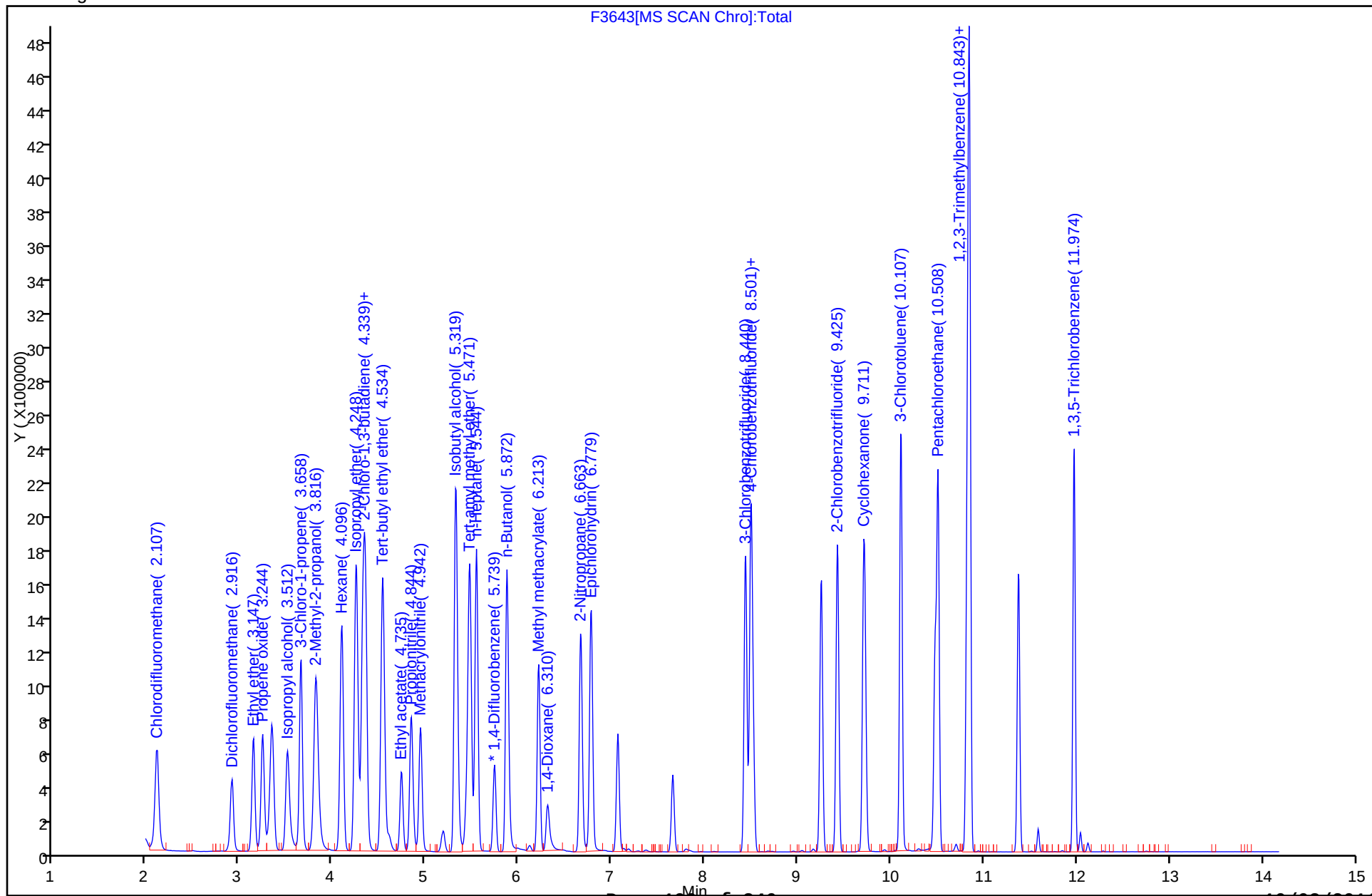
Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:

F3643[MS SCAN Chro]:Total



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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 29774

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2011 13:30 Calibration End Date: 09/01/2011 15:38 Calibration ID: 3805

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-29774/3	F3647.D
Level 2	STD2 480-29774/4	F3648.D
Level 3	STD3 480-29774/5	F3649.D
Level 4	STD4 480-29774/6	F3650.D
Level 5	STD5 480-29774/7	F3651.D
Level 6	STD6 480-29774/8	F3652.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2482 0.2298	0.2707	0.2459	0.2510	0.2540	Ave		0.2499				5.3		15.0			
Chloromethane	0.3035 0.2586	0.3127	0.2919	0.2789	0.2833	Ave		0.2882			0.1000	6.6		15.0			
Vinyl chloride	0.2430 0.2111	0.2551	0.2356	0.2300	0.2335	Ave		0.2347				6.2		30.0			
Bromomethane	0.0427 0.0684	0.0556	0.0512	0.0489	0.0565	QuaF		0.0445	0.0001						1.0000		0.9900
Chloroethane	0.0713 0.0823	0.0802	0.0692	0.0689	0.0768	Ave		0.0748				7.7		15.0			
Trichlorofluoromethane	0.2345 0.2283	0.2472	0.2279	0.2253	0.2397	Ave		0.2338				3.6		15.0			
Acrolein	0.0093 0.0088	0.0093	0.0093	0.0096	0.0096	Ave		0.0093				3.3		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2130 0.1994	0.2309	0.2127	0.2125	0.2155	Ave		0.2140				4.7		15.0			
1,1-Dichloroethene	0.2319 0.2091	0.2487	0.2217	0.2261	0.2273	Ave		0.2275				5.7		30.0			
Acetone	0.1303 0.1041	0.1157	0.1175	0.1192	0.1148	Ave		0.1169				7.2		15.0			
Iodomethane	0.2957 0.2947	0.3156	0.3022	0.3066	0.3101	Ave		0.3042				2.7		15.0			
Carbon disulfide	0.6127 0.5844	0.6518	0.5998	0.6188	0.6275	Ave		0.6158				3.8		15.0			
Methyl acetate	0.4879 0.4342	0.4720	0.4810	0.4912	0.4807	Ave		0.4745				4.4		15.0			
Acetonitrile	0.0250 0.0220	0.0243	0.0248	0.0250	0.0245	Ave		0.0243				4.7		15.0			
Methylene Chloride	0.3975 0.2503	0.3735	0.2998	0.2734	0.2593	LinF		0.2538							0.9970		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 29774

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2011 13:30 Calibration End Date: 09/01/2011 15:38 Calibration ID: 3805

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl tert-butyl ether	0.8395 0.7982	0.8256	0.8283	0.8554	0.8461	Ave		0.8322				2.4		15.0			
trans-1,2-Dichloroethene	0.2604 0.2366	0.2654	0.2597	0.2528	0.2530	Ave		0.2546				4.0		15.0			
Acrylonitrile	0.1270 0.1165	0.1223	0.1265	0.1317	0.1292	Ave		0.1255				4.3		15.0			
Vinyl acetate	0.5725 0.4733	0.5512	0.5700	0.5708	0.5459	Ave		0.5473				6.9		15.0			
1,1-Dichloroethane	0.4794 0.4314	0.4791	0.4700	0.4618	0.4604	Ave		0.4637			0.1000	3.8		15.0			
2,2-Dichloropropane	0.3740 0.3359	0.3723	0.3567	0.3578	0.3576	Ave		0.3590				3.8		15.0			
2-Butanone (MEK)	0.1941 0.1627	0.1841	0.1890	0.1922	0.1877	Ave		0.1850				6.2		15.0			
cis-1,2-Dichloroethene	0.2999 0.2672	0.2953	0.2947	0.2840	0.2823	Ave		0.2872				4.2		15.0			
Bromochloromethane	0.1573 0.1494	0.1529	0.1592	0.1592	0.1558	Ave		0.1556				2.5		15.0			
Tetrahydrofuran	0.1233 0.1062	0.1162	0.1205	0.1244	0.1216	Ave		0.1187				5.7		15.0			
Chloroform	0.4841 0.4195	0.4798	0.4572	0.4443	0.4385	Ave		0.4539				5.5		30.0			
1,1,1-Trichloroethane	0.3921 0.3774	0.4050	0.3879	0.3880	0.3948	Ave		0.3909				2.3		15.0			
Cyclohexane	0.4433 0.4128	0.4832	0.4383	0.4422	0.4551	Ave		0.4458				5.2		15.0			
1,1-Dichloropropene	0.3631 0.3187	0.3758	0.3443	0.3397	0.3458	Ave		0.3479				5.7		15.0			
Carbon tetrachloride	0.3246 0.3547	0.3419	0.3378	0.3520	0.3671	Ave		0.3463				4.3		15.0			
Benzene	1.0285 0.9148	1.0540	1.0189	0.9912	0.9805	Ave		0.9980				4.9		15.0			
1,2-Dichloroethane	0.4211 0.3829	0.4060	0.4209	0.4157	0.4082	Ave		0.4091				3.5		15.0			
Trichloroethene	0.2776 0.2564	0.2799	0.2736	0.2682	0.2727	Ave		0.2714				3.1		15.0			
Methylcyclohexane	0.4114 0.3925	0.4518	0.4151	0.4184	0.4291	Ave		0.4197				4.7		15.0			
1,2-Dichloropropane	0.2743 0.2589	0.2720	0.2721	0.2689	0.2688	Ave		0.2692				2.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 29774

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2011 13:30 Calibration End Date: 09/01/2011 15:38 Calibration ID: 3805

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dibromomethane	0.1687 0.1634	0.0860	0.1708	0.1716	0.1702	Lin1F		0.1647							0.9920		0.9900
Bromodichloromethane	0.3199 0.3419	0.3137	0.3215	0.3364	0.3459	Ave		0.3299				4.0		15.0			
2-Chloroethyl vinyl ether	0.1905 0.1740	0.1898	0.1959	0.1969	0.1927	Ave		0.1900				4.4		15.0			
cis-1,3-Dichloropropene	0.4075 0.4228	0.4171	0.4272	0.4308	0.4363	Ave		0.4236				2.4		15.0			
4-Methyl-2-pentanone (MIBK)	0.8053 0.6945	0.7846	0.8094	0.8276	0.8110	Ave		0.7887				6.1		15.0			
Toluene	1.6368 1.3948	1.6274	1.5183	1.4707	1.4748	Ave		1.5205				6.3		30.0			
Ethyl methacrylate	0.7886 0.7967	0.7755	0.8355	0.8548	0.8724	Ave		0.8206				4.8		15.0			
trans-1,3-Dichloropropene	0.8216 0.8692	0.8189	0.8708	0.8941	0.9049	Ave		0.8632				4.2		15.0			
1,1,2-Trichloroethane	0.4297 0.4157	0.4175	0.4343	0.4358	0.4386	Ave		0.4286				2.3		15.0			
Tetrachloroethene	0.6854 0.6026	0.6815	0.6528	0.6412	0.6469	Ave		0.6517				4.6		15.0			
1,3-Dichloropropane	0.9098 0.8237	0.9019	0.9310	0.9064	0.8848	Ave		0.8929				4.1		15.0			
2-Hexanone	0.5867 0.5178	0.5819	0.6023	0.6204	0.6090	Ave		0.5863				6.2		15.0			
Dibromochloromethane	0.5120 0.6586	0.5089	0.5625	0.6072	0.6594	Ave		0.5848				12.0		15.0			
1,2-Dibromoethane	0.5915 0.5777	0.5660	0.6047	0.6096	0.6076	Ave		0.5928				3.0		15.0			
Chlorobenzene	1.7672 1.5947	1.7493	1.7320	1.6844	1.6922	Ave		1.7033			0.3000	3.6		15.0			
Ethylbenzene	2.8805 2.4944	2.9126	2.7893	2.7173	2.7064	Ave		2.7501				5.5		30.0			
1,1,1,2-Tetrachloroethane	0.5371 0.5934	0.5342	0.5683	0.5886	0.6098	Ave		0.5719				5.4		15.0			
m,p-Xylene	1.1887 1.0300	1.2108	1.1477	1.1187	1.1108	Ave		1.1344				5.7		15.0			
o-Xylene	1.1400 1.0334	1.1437	1.1165	1.0953	1.0934	Ave		1.1037				3.7		15.0			
Styrene	1.9284 1.8113	1.9234	1.9443	1.9071	1.9290	Ave		1.9073				2.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 29774

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2011 13:30 Calibration End Date: 09/01/2011 15:38 Calibration ID: 3805

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Bromoform	0.2704 0.4133	0.2775	0.3170	0.3635	0.4074	Lin1F		0.3949			0.1000				0.9910		0.9900
Isopropylbenzene	2.6570 2.3578	2.7924	2.6317	2.4966	2.4944	Ave		2.5717				5.9		15.0			
1,1,2,2-Tetrachloroethane	0.6274 0.6027	0.6372	0.6513	0.6588	0.6445	Ave		0.6370			0.3000	3.1		15.0			
Bromobenzene	0.7358 0.6478	0.7249	0.7214	0.6971	0.6714	Ave		0.6997				4.9		15.0			
trans-1,4-Dichloro-2-butene	0.2258 0.2013	0.2256	0.2301	0.2358	0.2296	Ave		0.2247				5.4		15.0			
N-Propylbenzene	3.1483 2.6165	3.2641	3.1164	2.9247	2.8276	Ave		2.9829				8.0		15.0			
1,2,3-Trichloropropane	0.2202 0.2020	0.2158	0.2372	0.2239	0.2179	Ave		0.2195				5.2		15.0			
2-Chlorotoluene	0.6593 0.5995	0.6798	0.6577	0.6326	0.6270	Ave		0.6427				4.5		15.0			
1,3,5-Trimethylbenzene	2.2459 1.9775	2.3243	2.2418	2.1284	2.0970	Ave		2.1692				5.8		15.0			
4-Chlorotoluene	0.7165 0.6463	0.7190	0.7071	0.6756	0.6747	Ave		0.6899				4.2		15.0			
tert-Butylbenzene	0.5082 0.4580	0.5216	0.5097	0.4810	0.4813	Ave		0.4933				4.8		15.0			
1,2,4-Trimethylbenzene	2.3349 2.0410	2.3853	2.2867	2.1752	2.1422	Ave		2.2275				5.8		15.0			
sec-Butylbenzene	2.8494 2.4867	2.9843	2.8043	2.6801	2.6669	Ave		2.7453				6.3		15.0			
4-Isopropyltoluene	2.4476 2.1819	2.5262	2.4396	2.3488	2.3319	Ave		2.3793				5.0		15.0			
1,3-Dichlorobenzene	1.3822 1.2424	1.3900	1.3598	1.3261	1.3053	Ave		1.3343				4.2		15.0			
1,4-Dichlorobenzene	1.4209 1.2532	1.3888	1.3764	1.3376	1.3239	Ave		1.3502				4.4		15.0			
n-Butylbenzene	2.1127 1.8777	2.1914	2.0933	2.0126	2.0113	Ave		2.0498				5.3		15.0			
1,2-Dichlorobenzene	1.3320 1.1917	1.3358	1.3024	1.2724	1.2543	Ave		1.2815				4.2		15.0			
1,2-Dibromo-3-Chloropropane	0.1045 0.1310	0.1082	0.1154	0.1310	0.1368	Ave		0.1211				11.0		15.0			
1,2,4-Trichlorobenzene	0.8632 0.7555	0.8349	0.8406	0.8262	0.8195	Ave		0.8233				4.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 29774

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2011 13:30 Calibration End Date: 09/01/2011 15:38 Calibration ID: 3805

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.4025 0.3532	0.4157	0.4128	0.3858	0.3891	Ave		0.3932				5.9		15.0			
Naphthalene	2.3902 2.1190	2.2684	2.3304	2.3837	2.3596	Ave		2.3086				4.5		15.0			
1,2,3-Trichlorobenzene	0.7556 0.6959	0.7523	0.7565	0.7650	0.7526	Ave		0.7463				3.4		15.0			
1,2-Dichloroethane-d4 (Surr)	0.1821 0.1676	0.1793	0.1826	0.1696	0.1720	Ave		0.1755				3.8		15.0			
Toluene-d8 (Surr)	2.3541 2.1500	2.3118	2.2803	2.3308	2.2752	Ave		2.2837				3.2		15.0			
4-Bromofluorobenzene (Surr)	0.8911 0.7400	0.8065	0.8064	0.7738	0.7839	Ave		0.8003				6.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 29774

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2011 13:30 Calibration End Date: 09/01/2011 15:38 Calibration ID: 3805

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-29774/3	F3647.D
Level 2	STD2 480-29774/4	F3648.D
Level 3	STD3 480-29774/5	F3649.D
Level 4	STD4 480-29774/6	F3650.D
Level 5	STD5 480-29774/7	F3651.D
Level 6	STD6 480-29774/8	F3652.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	DFB	Ave	12299 465985	27115	48850	125465	257418	5.00 200	10.0	20.0	50.0	100
Chloromethane	DFB	Ave	15038 524467	31326	57983	139444	287115	5.00 200	10.0	20.0	50.0	100
Vinyl chloride	DFB	Ave	12041 428164	25558	46802	114985	236593	5.00 200	10.0	20.0	50.0	100
Bromomethane	DFB	QuaF	2114 138685	5574	10174	24461	57275	5.00 200	10.0	20.0	50.0	100
Chloroethane	DFB	Ave	3534 166971	8034	13751	34461	77844	5.00 200	10.0	20.0	50.0	100
Trichlorofluoromethane	DFB	Ave	11623 463002	24762	45259	112625	242930	5.00 200	10.0	20.0	50.0	100
Acrolein	DFB	Ave	9262 356230	18704	37111	95967	195398	100 4000	200	400	1000	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	DFB	Ave	10556 404344	23129	42256	106208	218430	5.00 200	10.0	20.0	50.0	100
1,1-Dichloroethene	DFB	Ave	11491 424140	24916	44031	113013	230338	5.00 200	10.0	20.0	50.0	100
Acetone	DFB	Ave	32276 1055606	57951	116664	297976	581845	25.0 1000	50.0	100	250	500
Iodomethane	DFB	Ave	14656 597772	31612	60026	153264	314218	5.00 200	10.0	20.0	50.0	100
Carbon disulfide	DFB	Ave	30362 1185323	65293	119136	309344	635936	5.00 200	10.0	20.0	50.0	100
Methyl acetate	DFB	Ave	24179 880687	47280	95546	245525	487194	5.00 200	10.0	20.0	50.0	100
Acetonitrile	DFB	Ave	49575 1787460	97546	196938	500058	993627	200 8000	400	800	2000	4000
Methylene Chloride	DFB	LinF	19700 507744	37416	59557	136647	262734	5.00 200	10.0	20.0	50.0	100
Methyl tert-butyl ether	DFB	Ave	41605 1618942	82698	164529	427634	857495	5.00 200	10.0	20.0	50.0	100

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 29774

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2011 13:30 Calibration End Date: 09/01/2011 15:38 Calibration ID: 3805

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
trans-1,2-Dichloroethene	DFB	Ave	12906 479836	26582	51582	126362	256402	5.00 200	10.0	20.0	50.0	100
Acrylonitrile	DFB	Ave	31465 1181775	61269	125659	329107	654559	25.0 1000	50.0	100	250	500
Vinyl acetate	DFB	Ave	141855 4800091	276081	566059	1426744	2766136	25.0 1000	50.0	100	250	500
1,1-Dichloroethane	DFB	Ave	23758 874967	47989	93356	230864	466570	5.00 200	10.0	20.0	50.0	100
2,2-Dichloropropane	DFB	Ave	18536 681158	37290	70848	178840	362387	5.00 200	10.0	20.0	50.0	100
2-Butanone (MEK)	DFB	Ave	48088 1649480	92228	187712	480460	951331	25.0 1000	50.0	100	250	500
cis-1,2-Dichloroethene	DFB	Ave	14861 541932	29585	58534	141975	286120	5.00 200	10.0	20.0	50.0	100
Bromochloromethane	DFB	Ave	7797 303006	15314	31616	79605	157904	5.00 200	10.0	20.0	50.0	100
Tetrahydrofuran	DFB	Ave	30546 1076521	58212	119712	310852	616274	25.0 1000	50.0	100	250	500
Chloroform	DFB	Ave	23989 850824	48057	90815	222110	444405	5.00 200	10.0	20.0	50.0	100
1,1,1-Trichloroethane	DFB	Ave	19431 765471	40564	77049	193962	400075	5.00 200	10.0	20.0	50.0	100
Cyclohexane	DFB	Ave	21969 837299	48404	87061	221051	461191	5.00 200	10.0	20.0	50.0	100
1,1-Dichloropropene	DFB	Ave	17993 646307	37646	68386	169800	350467	5.00 200	10.0	20.0	50.0	100
Carbon tetrachloride	DFB	Ave	16084 719426	34246	67090	175945	372015	5.00 200	10.0	20.0	50.0	100
Benzene	DFB	Ave	50968 1855300	105581	202371	495501	993688	5.00 200	10.0	20.0	50.0	100
1,2-Dichloroethane	DFB	Ave	20869 776666	40668	83597	207785	413728	5.00 200	10.0	20.0	50.0	100
Trichloroethene	DFB	Ave	13756 520053	28039	54353	134094	276381	5.00 200	10.0	20.0	50.0	100
Methylcyclohexane	DFB	Ave	20390 796064	45253	82443	209163	434834	5.00 200	10.0	20.0	50.0	100
1,2-Dichloropropane	DFB	Ave	13591 525105	27247	54038	134425	272418	5.00 200	10.0	20.0	50.0	100
Dibromomethane	DFB	Lin1F	8360 331483	8610	33927	85763	172519	5.00 200	10.0	20.0	50.0	100
Bromodichloromethane	DFB	Ave	15854 693377	31419	63863	168166	350591	5.00 200	10.0	20.0	50.0	100

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 29774

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2011 13:30 Calibration End Date: 09/01/2011 15:38 Calibration ID: 3805

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
2-Chloroethyl vinyl ether	DFB	Ave	47203 1764873	95072	194537	492216	976581	25.0 1000	50.0	100	250	500
cis-1,3-Dichloropropene	DFB	Ave	20192 857528	41779	84858	215377	442185	5.00 200	10.0	20.0	50.0	100
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	92166 3229821	182159	372249	959208	1891031	25.0 1000	50.0	100	250	500
Toluene	CBZ	Ave	37464 1297323	75563	139661	340932	687811	5.00 200	10.0	20.0	50.0	100
Ethyl methacrylate	CBZ	Ave	18050 741059	36006	76855	198163	406880	5.00 200	10.0	20.0	50.0	100
trans-1,3-Dichloropropene	CBZ	Ave	18805 808428	38021	80097	207261	422018	5.00 200	10.0	20.0	50.0	100
1,1,2-Trichloroethane	CBZ	Ave	9835 386623	19386	39951	101022	204557	5.00 200	10.0	20.0	50.0	100
Tetrachloroethene	CBZ	Ave	15688 560471	31644	60044	148646	301675	5.00 200	10.0	20.0	50.0	100
1,3-Dichloropropane	CBZ	Ave	20824 766149	41878	85637	210113	412623	5.00 200	10.0	20.0	50.0	100
2-Hexanone	CBZ	Ave	67145 2407956	135092	277004	719054	1420045	25.0 1000	50.0	100	250	500
Dibromochloromethane	CBZ	Ave	11719 612611	23630	51742	140753	307507	5.00 200	10.0	20.0	50.0	100
1,2-Dibromoethane	CBZ	Ave	13539 537295	26279	55621	141321	283358	5.00 200	10.0	20.0	50.0	100
Chlorobenzene	CBZ	Ave	40449 1483278	81222	159320	390480	789210	5.00 200	10.0	20.0	50.0	100
Ethylbenzene	CBZ	Ave	65930 2320050	135233	256575	629912	1262184	5.00 200	10.0	20.0	50.0	100
1,1,1,2-Tetrachloroethane	CBZ	Ave	12293 551921	24804	52275	136447	284396	5.00 200	10.0	20.0	50.0	100
m,p-Xylene	CBZ	Ave	54416 1915972	112438	211134	518656	1036114	10.0 400	20.0	40.0	100	200
o-Xylene	CBZ	Ave	26092 961145	53103	102697	253921	509920	5.00 200	10.0	20.0	50.0	100
Styrene	CBZ	Ave	44138 1684714	89306	178845	442096	899638	5.00 200	10.0	20.0	50.0	100
Bromoform	CBZ	Lin1F	6190 384392	12885	29156	84257	190002	5.00 200	10.0	20.0	50.0	100
Isopropylbenzene	DCB	Ave	65787 2398100	138031	262009	643275	1305839	5.00 200	10.0	20.0	50.0	100
1,1,2,2-Tetrachloroethane	DCB	Ave	15533 612989	31495	64846	169748	337414	5.00 200	10.0	20.0	50.0	100

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 29774

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2011 13:30 Calibration End Date: 09/01/2011 15:38 Calibration ID: 3805

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Bromobenzene	DCB	Ave	18218 658826	35833	71820	179611	351462	5.00 200	10.0	20.0	50.0	100
trans-1,4-Dichloro-2-butene	DCB	Ave	27955 1023821	55748	114538	303840	600934	25.0 1000	50.0	100	250	500
N-Propylbenzene	DCB	Ave	77950 2661216	161346	310267	753579	1480270	5.00 200	10.0	20.0	50.0	100
1,2,3-Trichloropropane	DCB	Ave	5452 205467	10665	23615	57690	114062	5.00 200	10.0	20.0	50.0	100
2-Chlorotoluene	DCB	Ave	16325 609777	33604	65478	163009	328215	5.00 200	10.0	20.0	50.0	100
1,3,5-Trimethylbenzene	DCB	Ave	55607 2011251	114894	223197	548415	1097805	5.00 200	10.0	20.0	50.0	100
4-Chlorotoluene	DCB	Ave	17741 657333	35539	70398	174076	353198	5.00 200	10.0	20.0	50.0	100
tert-Butylbenzene	DCB	Ave	12583 465847	25783	50741	123927	251959	5.00 200	10.0	20.0	50.0	100
1,2,4-Trimethylbenzene	DCB	Ave	57812 2075853	117906	227664	560476	1121425	5.00 200	10.0	20.0	50.0	100
sec-Butylbenzene	DCB	Ave	70550 2529185	147515	279196	690554	1396137	5.00 200	10.0	20.0	50.0	100
4-Isopropyltoluene	DCB	Ave	60603 2219136	124875	242889	605205	1220741	5.00 200	10.0	20.0	50.0	100
1,3-Dichlorobenzene	DCB	Ave	34224 1263630	68708	135377	341698	683310	5.00 200	10.0	20.0	50.0	100
1,4-Dichlorobenzene	DCB	Ave	35182 1274645	68649	137038	344662	693087	5.00 200	10.0	20.0	50.0	100
n-Butylbenzene	DCB	Ave	52309 1909761	108325	208408	518567	1052918	5.00 200	10.0	20.0	50.0	100
1,2-Dichlorobenzene	DCB	Ave	32981 1212071	66031	129666	327861	656644	5.00 200	10.0	20.0	50.0	100
1,2-Dibromo-3-Chloropropane	DCB	Ave	2587 133238	5349	11487	33742	71629	5.00 200	10.0	20.0	50.0	100
1,2,4-Trichlorobenzene	DCB	Ave	21372 768408	41272	83690	212880	429025	5.00 200	10.0	20.0	50.0	100
Hexachlorobutadiene	DCB	Ave	9966 359215	20547	41094	99399	203678	5.00 200	10.0	20.0	50.0	100
Naphthalene	DCB	Ave	59181 2155168	112131	232012	614199	1235261	5.00 200	10.0	20.0	50.0	100
1,2,3-Trichlorobenzene	DCB	Ave	18708 707830	37189	75321	197103	393970	5.00 200	10.0	20.0	50.0	100
1,2-Dichloroethane-d4 (Surr)	DFB	Ave	9026 339866	17960	36270	84764	174321	5.00 200	10.0	20.0	50.0	100

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 29774

SDG No.: _____

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2011 13:30 Calibration End Date: 09/01/2011 15:38 Calibration ID: 3805

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toluene-d8 (Surr)	CBZ	Ave	53881 1999712	107338	209756	540319	1061081	5.00 200	10.0	20.0	50.0	100
4-Bromofluorobenzene (Surr)	CBZ	Ave	20395 688259	37446	74172	179384	365591	5.00 200	10.0	20.0	50.0	100

Curve Type Legend:

Ave = Average ISTD
Lin1F = Linear 1/conc ISTD forced zero
LinF = Linear ISTD forced zero
QuaF = Quadratic ISTD forced zero

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3647.D
 Lims ID: STD1 Client ID:
 Inject. Date: 01-Sep-2011 13:30:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: STD1
 Misc. Info.: 480-0005704-003 =480-0005704-003
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 29774 Lims Sample ID: 3
 Sublist: chrom-F-8260 SOIL*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F-8260 SOIL.m
 Last Update: 01-Sep-2011 15:53:55 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 01-Sep-2011 15:53:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.733	5.739	-0.006	95	495566	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	85	228885	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.819	10.818	0.001	94	247597	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.435	5.434	0.001	84	9026	5.19	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	78	53881	5.15	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.730	9.723	0.007	82	20395	5.57	
10 Dichlorodifluoromethane	85	2.089	2.095	-0.006	57	12299	4.97	
12 Chloromethane	50	2.229	2.234	-0.005	69	15038	5.27	
13 Vinyl chloride	62	2.344	2.356	-0.012	34	12041	5.18	
14 Bromomethane	94	2.636	2.642	-0.006	0	2114	4.73	M
15 Chloroethane	64	2.727	2.727	0.0	0	3534	4.77	M
17 Trichlorofluoromethane	101	2.952	2.958	-0.006	41	11623	5.02	
20 Acrolein	56	3.305	3.305	0.0	64	9262	100.0	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.330	3.336	-0.006	50	10556	4.98	
22 1,1-Dichloroethene	96	3.366	3.366	0.0	82	11491	5.10	
23 Acetone	43	3.421	3.421	0.0	92	32276	27.9	
25 Iodomethane	142	3.524	3.530	-0.006	75	14656	4.86	
26 Carbon disulfide	76	3.585	3.591	-0.006	95	30362	4.97	
27 Methyl acetate	43	3.640	3.640	0.0	88	24179	5.14	
29 Acetonitrile	40	3.683	3.676	0.006	99	49575	206.0	
30 Methylene Chloride	84	3.762	3.761	0.001	86	19700	7.83	
32 Methyl tert-butyl ether	73	3.920	3.920	0.0	85	41605	5.04	
34 trans-1,2-Dichloroethene	96	3.956	3.956	0.0	82	12906	5.11	
33 Acrylonitrile	53	3.968	3.968	0.0	96	31465	25.3	
37 Vinyl acetate	43	4.273	4.272	0.001	96	141855	26.2	
39 1,1-Dichloroethane	63	4.291	4.297	-0.006	0	23758	5.17	M
44 2,2-Dichloropropane	77	4.747	4.741	0.006	43	18536	5.21	
43 2-Butanone (MEK)	43	4.741	4.747	-0.006	94	48088	26.2	
45 cis-1,2-Dichloroethene	96	4.753	4.759	-0.006	54	14861	5.22	
48 Chlorobromomethane	128	4.966	4.966	0.0	76	7797	5.05	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
49 Tetrahydrofuran	42	4.990	4.984	0.006	83	30546	26.0	
50 Chloroform	83	4.997	5.002	-0.005	63	23989	5.33	
51 1,1,1-Trichloroethane	97	5.143	5.148	-0.005	69	19431	5.02	
52 Cyclohexane	56	5.173	5.179	-0.006	47	21969	4.97	
54 1,1-Dichloropropene	75	5.264	5.264	0.0	71	17993	5.22	
55 Carbon tetrachloride	117	5.270	5.276	-0.006	48	16084	4.69	
57 Benzene	78	5.459	5.459	0.0	96	50968	5.15	
58 1,2-Dichloroethane	62	5.495	5.495	0.0	58	20869	5.15	
62 Trichloroethene	95	5.982	5.982	0.0	78	13756	5.11	
64 Methylcyclohexane	83	6.122	6.122	0.0	82	20390	4.90	
65 1,2-Dichloropropane	63	6.213	6.207	0.006	64	13591	5.09	
67 Dibromomethane	93	6.341	6.341	0.0	73	8360	5.12	
68 Dichlorobromomethane	83	6.451	6.450	0.001	63	15854	4.85	
69 2-Chloroethyl vinyl ether	63	6.651	6.651	0.0	85	47203	25.1	
72 cis-1,3-Dichloropropene	75	6.834	6.828	0.006	61	20192	4.81	
73 4-Methyl-2-pentanone (MIBK)	43	6.931	6.931	0.0	95	92166	25.5	
74 Toluene	92	7.126	7.126	0.0	92	37464	5.38	
75 Ethyl methacrylate	69	7.339	7.339	0.0	68	18050	4.81	
77 trans-1,3-Dichloropropene	75	7.351	7.351	0.0	67	18805	4.76	
79 1,1,2-Trichloroethane	83	7.552	7.551	0.001	65	9835	5.01	
81 Tetrachloroethene	166	7.655	7.655	0.0	83	15688	5.26	
82 1,3-Dichloropropane	76	7.716	7.716	0.0	51	20824	5.09	
80 2-Hexanone	43	7.728	7.722	0.006	93	67145	25.0	
83 Chlorodibromomethane	129	7.959	7.965	-0.006	32	11719	4.38	
84 Ethylene Dibromide	107	8.099	8.099	0.0	50	13539	4.99	
87 Chlorobenzene	112	8.549	8.549	0.0	67	40449	5.19	
88 Ethylbenzene	91	8.610	8.610	0.0	48	65930	5.24	
89 1,1,1,2-Tetrachloroethane	131	8.622	8.628	-0.006	0	12293	4.70	M
90 m-Xylene & p-Xylene	106	8.720	8.726	-0.006	98	54416	10.5	
91 o-Xylene	106	9.158	9.158	0.0	91	26092	5.16	
92 Styrene	104	9.182	9.182	0.0	84	44138	5.06	
95 Bromoform	173	9.456	9.456	0.0	58	6190	3.42	
94 Isopropylbenzene	105	9.511	9.516	-0.005	83	65787	5.17	
97 1,1,2,2-Tetrachloroethane	83	9.882	9.882	0.0	62	15533	4.92	
101 Bromobenzene	156	9.894	9.894	0.0	88	18218	5.26	
98 trans-1,4-Dichloro-2-butene	53	9.924	9.918	0.006	55	27955	25.1	
99 N-Propylbenzene	91	9.924	9.924	0.0	91	77950	5.28	
100 1,2,3-Trichloropropane	110	9.930	9.936	-0.006	36	5452	5.02	
103 2-Chlorotoluene	126	10.058	10.052	0.006	89	16325	5.13	
102 1,3,5-Trimethylbenzene	105	10.082	10.082	0.0	70	55607	5.18	
105 4-Chlorotoluene	126	10.162	10.155	0.007	86	17741	5.19	
106 tert-Butylbenzene	134	10.399	10.399	0.0	82	12583	5.15	
107 1,2,4-Trimethylbenzene	105	10.447	10.447	0.0	29	57812	5.24	
109 sec-Butylbenzene	105	10.600	10.599	0.001	76	70550	5.19	
110 4-Isopropyltoluene	119	10.715	10.715	0.0	89	60603	5.14	
111 1,3-Dichlorobenzene	146	10.758	10.758	0.0	81	34224	5.18	
113 1,4-Dichlorobenzene	146	10.837	10.837	0.0	83	35182	5.26	
115 n-Butylbenzene	91	11.086	11.086	0.0	93	52309	5.15	
116 1,2-Dichlorobenzene	146	11.177	11.177	0.0	85	32981	5.20	
117 1,2-Dibromo-3-Chloropropane	75	11.853	11.853	0.0	0	2587	4.31	M
119 1,2,4-Trichlorobenzene	180	12.510	12.510	0.0	75	21372	5.24	
120 Hexachlorobutadiene	225	12.601	12.607	-0.006	59	9966	5.12	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.747	12.747	0.0	80	59181	5.18	
122 1,2,3-Trichlorobenzene	180	12.972	12.972	0.0	66	18708	5.06	
S 123 Total BTEX	1				0		31.4	
S 124 Xylenes, Total	1				0		15.6	
S 125 1,2-Dichloroethene, Total	1				0		10.3	
S 126 1,3-Dichloropropene, Total	1				0		9.57	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 01-Sep-2011 15:53:55

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3647.D

Injection Date: 01-Sep-2011 13:30:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29774

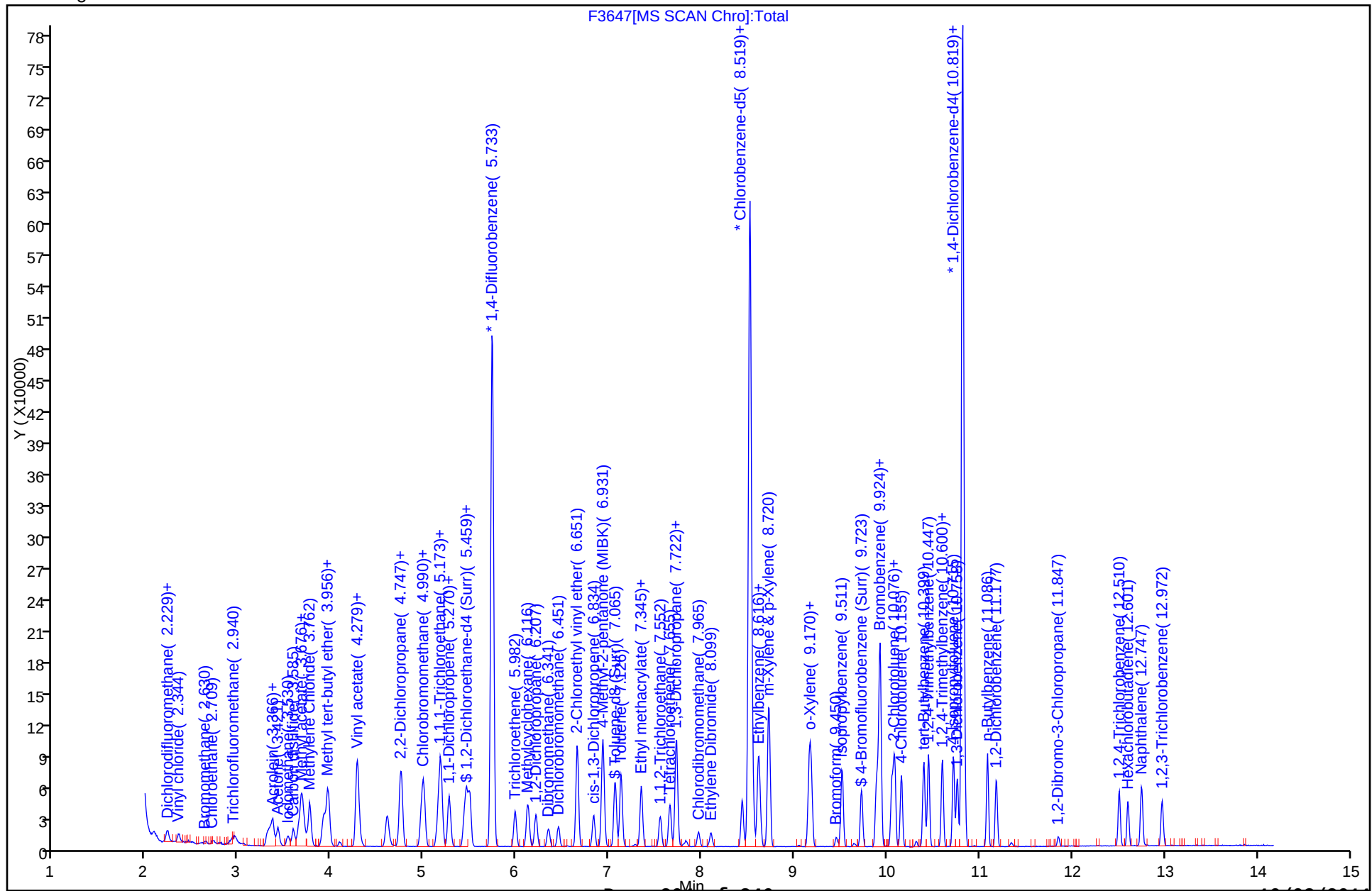
Lims Sample ID: 3

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:

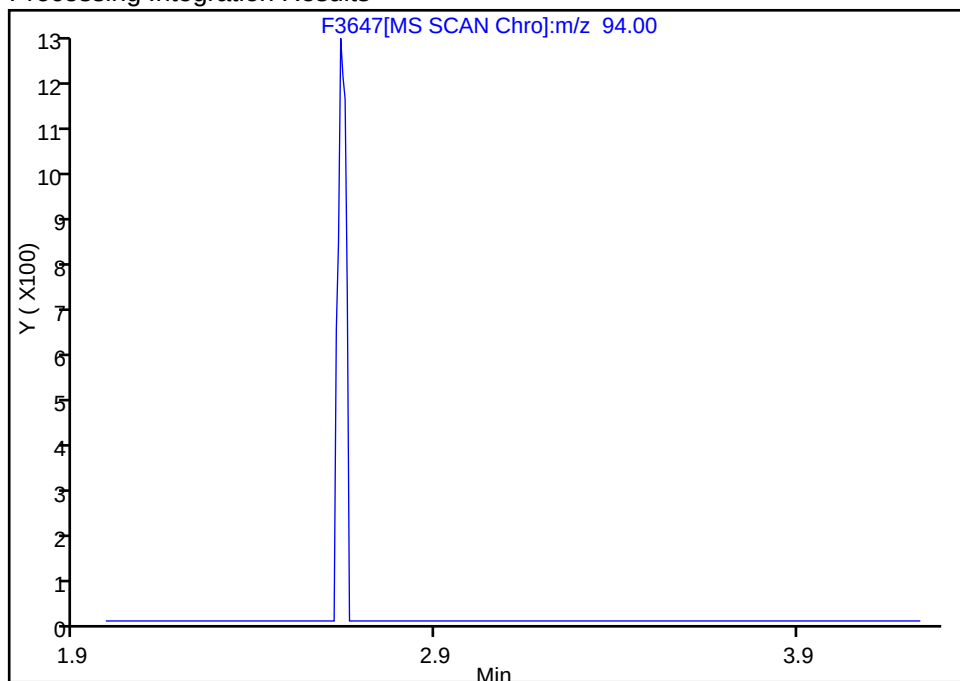


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Injection Date: 01-Sep-2011 13:30:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973F
Lims Batch ID: 29774 Lims Sample ID: 3
Operator ID: PJQ
Column Type: ZB-624 Column Dia: 0.25 mm

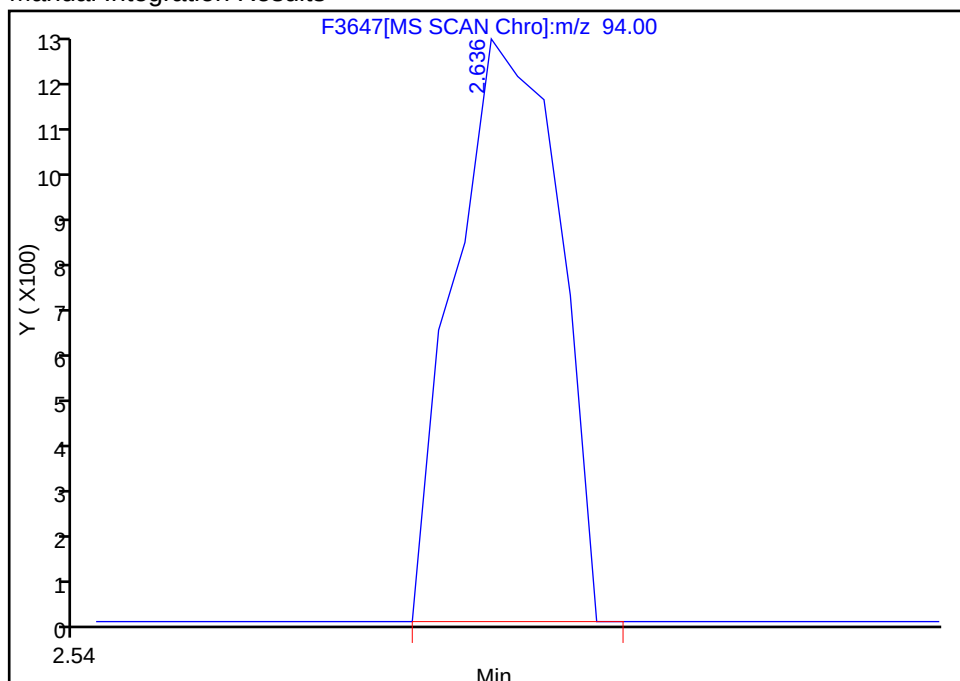
14 Bromomethane, Signal: 1, m/z: 94.0 Type: quant, RT: 2.64

Not Detected
Expected RT: 2.64

Processing Integration Results



Manual Integration Results



RT: 2.64
Response: 2114
Amount: 4.733789

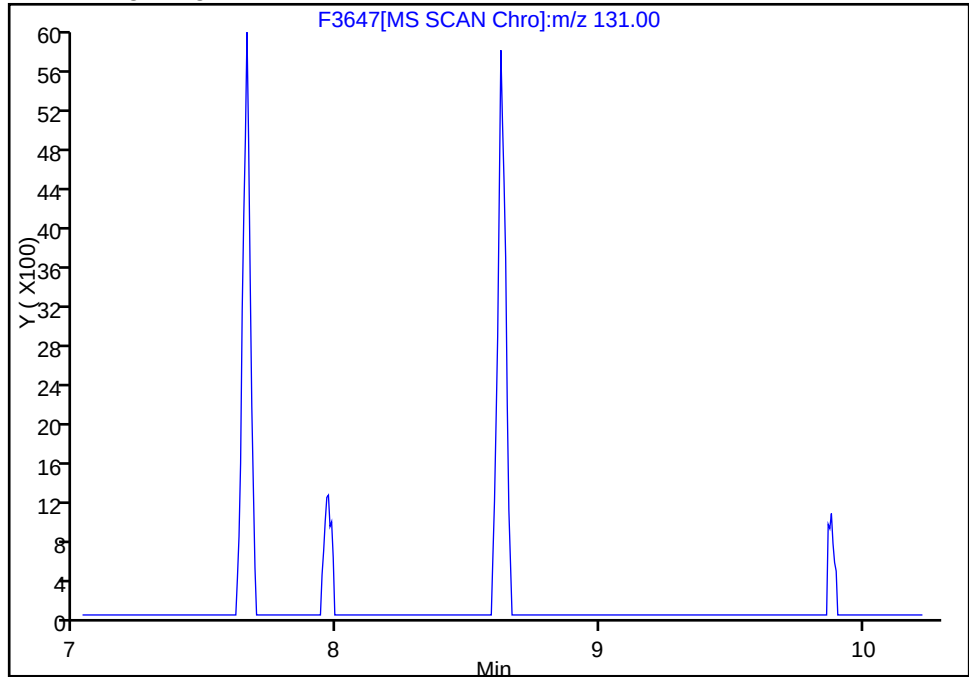
Reviewer: quirkp, 01-Sep-2011 15:38:12
Audit Action: Manually Integrated
Audit Reason: Missed Peak

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3647.D
Injection Date: 01-Sep-2011 13:30:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973F
Lims Batch ID: 29774 Lims Sample ID: 3
Operator ID: PJQ
Column Type: ZB-624 Column Dia: 0.25 mm

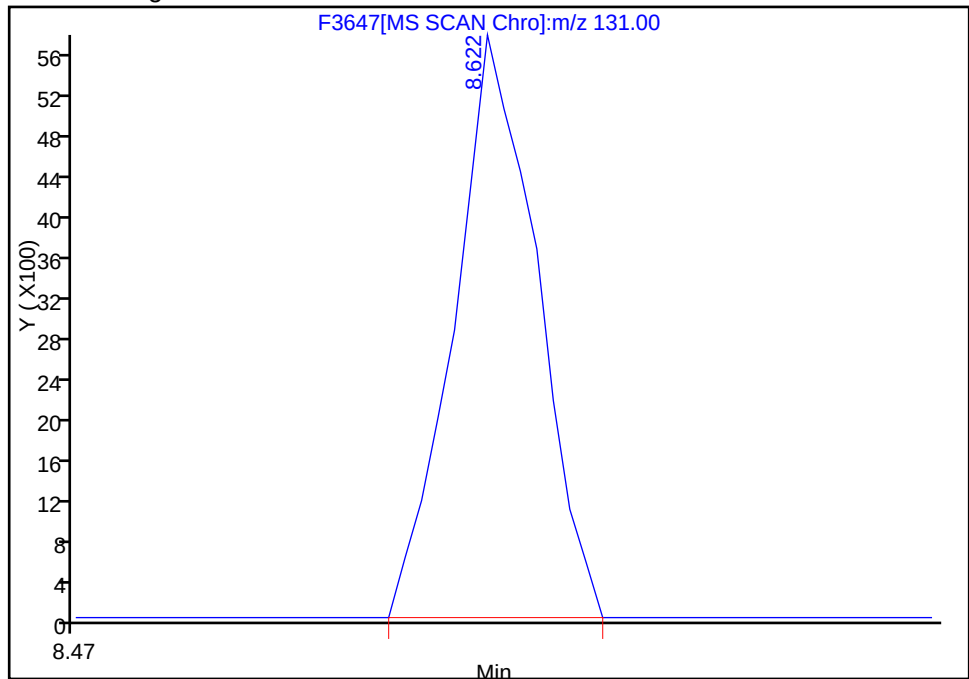
89 1,1,1,2-Tetrachloroethane, Signal: 1, m/z: 131.0 Type: quant, RT: 8.63

Not Detected
Expected RT: 8.63

Processing Integration Results



Manual Integration Results



RT: 8.62
Response: 12293
Amount: 4.695597

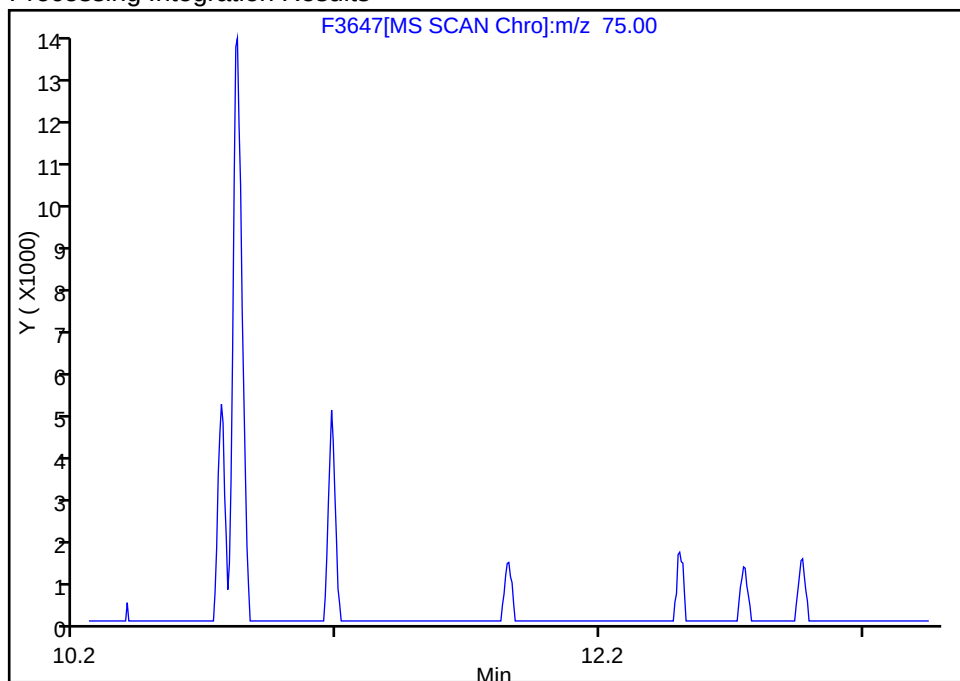
Reviewer: quirkp, 01-Sep-2011 15:38:12
Audit Action: Manually Integrated
Audit Reason: Missed Peak

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3647.D
Injection Date: 01-Sep-2011 13:30:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973F
Lims Batch ID: 29774 Lims Sample ID: 3
Operator ID: PJQ
Column Type: ZB-624 Column Dia: 0.25 mm

117 1,2-Dibromo-3-Chloropropane, Signal: 1, m/z: 75.0 Type: quant, RT: 11.85

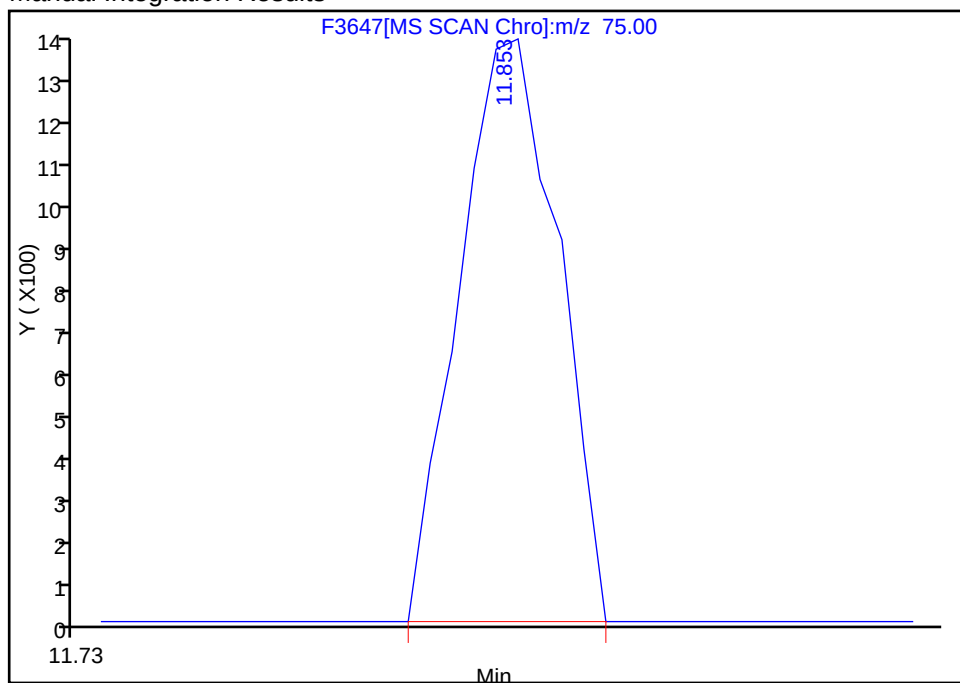
Not Detected
Expected RT: 11.85

Processing Integration Results



RT: 11.85
Response: 2587
Amount: 4.312460

Manual Integration Results



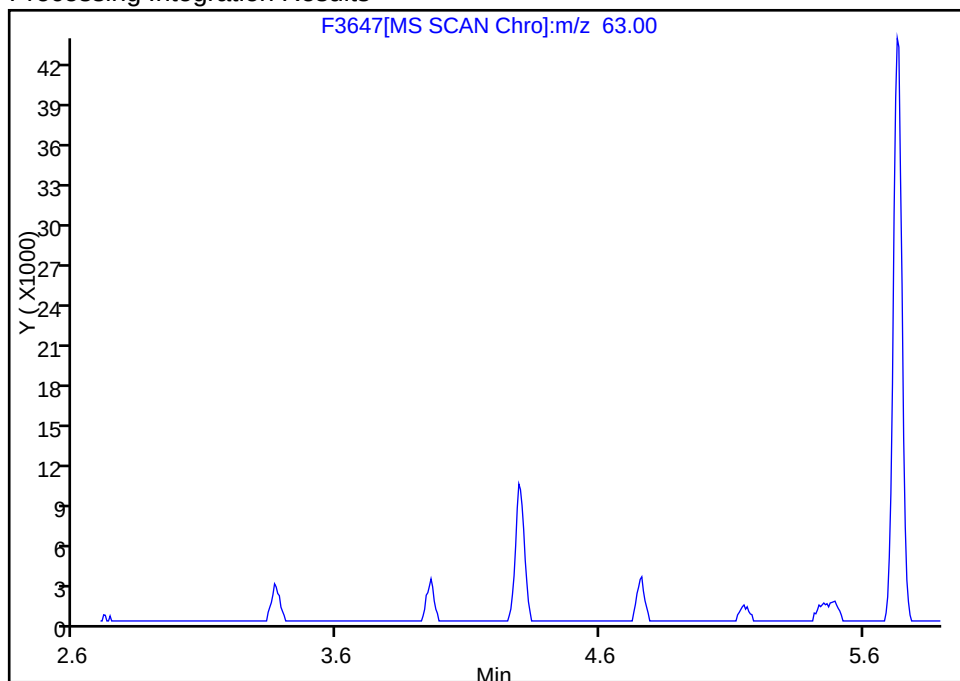
Reviewer: quirkp, 01-Sep-2011 15:38:12
Audit Action: Manually Integrated
Audit Reason: Missed Peak

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3647.D
Injection Date: 01-Sep-2011 13:30:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973F
Lims Batch ID: 29774 Lims Sample ID: 3
Operator ID: PJQ
Column Type: ZB-624 Column Dia: 0.25 mm

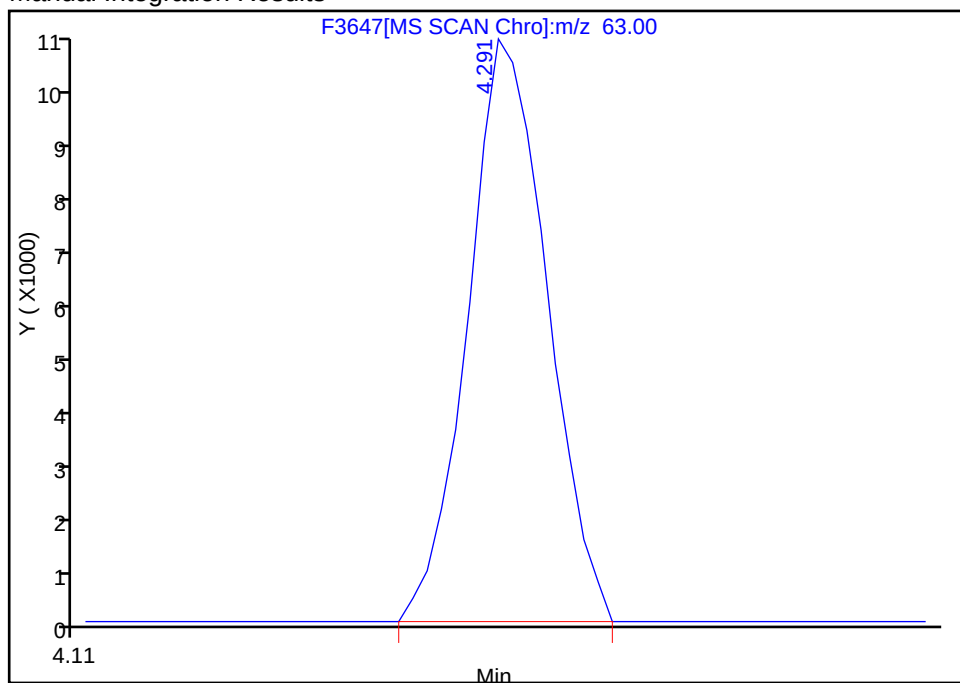
39 1,1-Dichloroethane, Signal: 1, m/z: 63.0 Type: quant, RT: 4.30

Not Detected
Expected RT: 4.30

Processing Integration Results



Manual Integration Results



RT: 4.29
Response: 23758
Amount: 5.169562

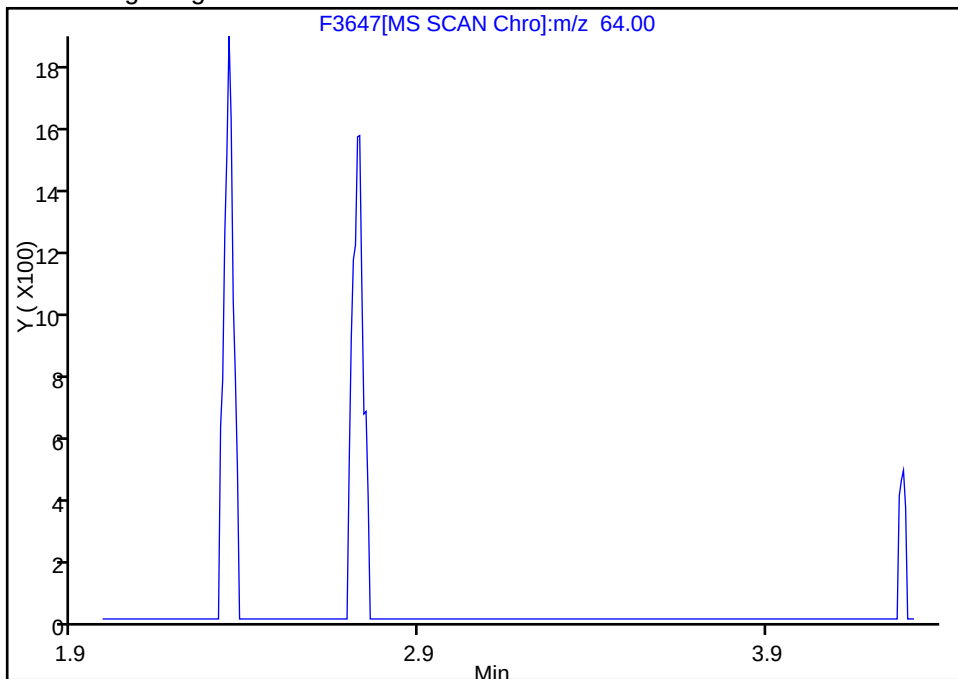
Reviewer: quirkp, 01-Sep-2011 15:38:12
Audit Action: Manually Integrated
Audit Reason: Missed Peak

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3647.D
Injection Date: 01-Sep-2011 13:30:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973F
Lims Batch ID: 29774 Lims Sample ID: 3
Operator ID: PJQ
Column Type: ZB-624 Column Dia: 0.25 mm

15 Chloroethane, Signal: 1, m/z: 64.0 Type: quant, RT: 2.73

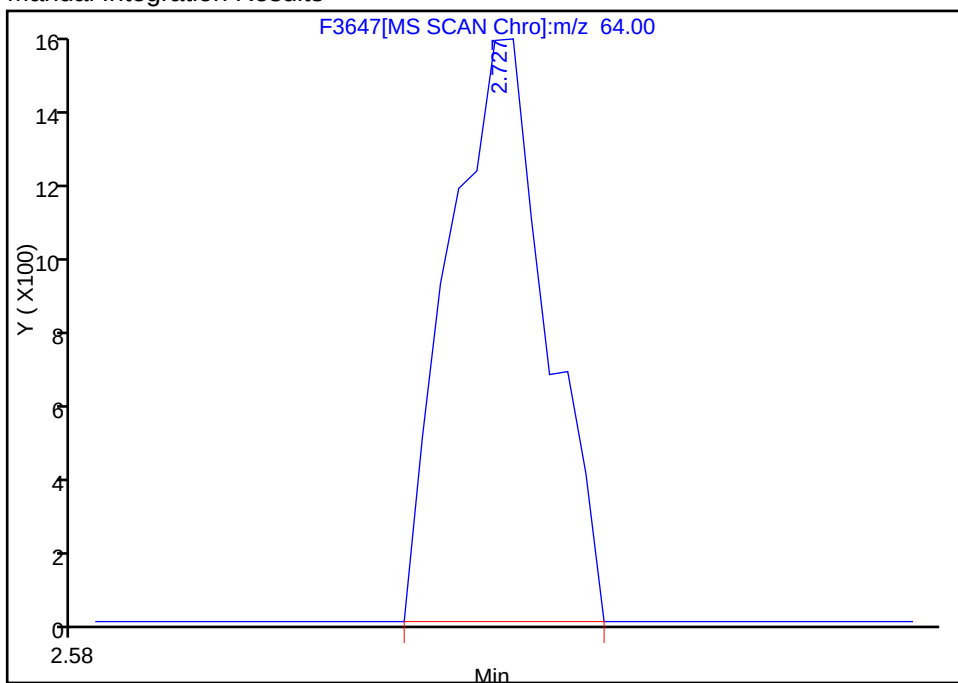
Not Detected
Expected RT: 2.73

Processing Integration Results



RT: 2.73
Response: 3534
Amount: 4.766634

Manual Integration Results



Reviewer: quirkp, 01-Sep-2011 15:38:12
Audit Action: Manually Integrated
Audit Reason: Missed Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3648.D
 Lims ID: STD2 Client ID:
 Inject. Date: 01-Sep-2011 13:56:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: STD2
 Misc. Info.: 480-0005704-004 =480-0005704-004
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 29774 Lims Sample ID: 4
 Sublist: chrom-F-8260 SOIL*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F-8260 SOIL.m
 Last Update: 01-Sep-2011 15:54:02 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 01-Sep-2011 15:54:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	500847	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	82	232155	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.812	10.818	-0.006	91	247155	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.435	5.434	0.001	92	17960	10.2	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	88	107338	10.1	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.730	9.723	0.007	87	37446	10.1	
10 Dichlorodifluoromethane	85	2.083	2.095	-0.013	67	27115	10.8	
12 Chloromethane	50	2.229	2.234	-0.006	83	31326	10.9	
13 Vinyl chloride	62	2.350	2.356	-0.006	65	25558	10.9	
14 Bromomethane	94	2.636	2.642	-0.006	76	5574	12.1	
15 Chloroethane	64	2.721	2.727	-0.006	64	8034	10.7	
17 Trichlorofluoromethane	101	2.952	2.958	-0.006	65	24762	10.6	
20 Acrolein	56	3.305	3.305	0.0	78	18704	199.9	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.336	3.336	0.0	68	23129	10.8	
22 1,1-Dichloroethene	96	3.366	3.366	0.0	81	24916	10.9	
23 Acetone	43	3.421	3.421	0.0	95	57951	49.5	
25 Iodomethane	142	3.530	3.530	0.0	92	31612	10.4	
26 Carbon disulfide	76	3.591	3.591	0.0	95	65293	10.6	
27 Methyl acetate	43	3.646	3.640	0.006	91	47280	9.95	
29 Acetonitrile	40	3.676	3.676	0.0	99	97546	401.0	
30 Methylene Chloride	84	3.762	3.761	0.001	91	37416	14.7	
32 Methyl tert-butyl ether	73	3.920	3.920	0.0	88	82698	9.92	
34 trans-1,2-Dichloroethene	96	3.956	3.956	0.0	95	26582	10.4	
33 Acrylonitrile	53	3.968	3.968	0.0	96	61269	48.7	
37 Vinyl acetate	43	4.273	4.272	0.001	97	276081	50.4	
39 1,1-Dichloroethane	63	4.297	4.297	0.0	60	47989	10.3	
44 2,2-Dichloropropane	77	4.741	4.741	0.0	0	37290	10.4	M
43 2-Butanone (MEK)	43	4.747	4.747	0.0	98	92228	49.8	
45 cis-1,2-Dichloroethene	96	4.759	4.759	0.0	80	29585	10.3	
48 Chlorobromomethane	128	4.966	4.966	0.0	85	15314	9.82	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
49 Tetrahydrofuran	42	4.984	4.984	0.0	87	58212	49.0	
50 Chloroform	83	4.997	5.002	-0.005	80	48057	10.6	
51 1,1,1-Trichloroethane	97	5.149	5.148	0.001	83	40564	10.4	
52 Cyclohexane	56	5.179	5.179	0.0	55	48404	10.8	
54 1,1-Dichloropropene	75	5.270	5.264	0.006	84	37646	10.8	
55 Carbon tetrachloride	117	5.276	5.276	0.0	68	34246	9.87	
57 Benzene	78	5.459	5.459	0.0	97	105581	10.6	
58 1,2-Dichloroethane	62	5.495	5.495	0.0	68	40668	9.92	
62 Trichloroethene	95	5.982	5.982	0.0	89	28039	10.3	
64 Methylcyclohexane	83	6.122	6.122	0.0	85	45253	10.8	
65 1,2-Dichloropropane	63	6.207	6.207	0.0	79	27247	10.1	
67 Dibromomethane	93	6.335	6.341	-0.006	76	8610	5.22	
68 Dichlorobromomethane	83	6.451	6.450	0.001	92	31419	9.51	
69 2-Chloroethyl vinyl ether	63	6.657	6.651	0.006	90	95072	50.0	
72 cis-1,3-Dichloropropene	75	6.828	6.828	0.0	71	41779	9.85	
73 4-Methyl-2-pentanone (MIBK)	43	6.931	6.931	0.0	98	182159	49.7	
74 Toluene	92	7.126	7.126	0.0	93	75563	10.7	
75 Ethyl methacrylate	69	7.345	7.339	0.006	77	36006	9.45	
77 trans-1,3-Dichloropropene	75	7.351	7.351	0.0	87	38021	9.49	
79 1,1,2-Trichloroethane	83	7.546	7.551	-0.005	83	19386	9.74	
81 Tetrachloroethene	166	7.655	7.655	0.0	94	31644	10.5	
82 1,3-Dichloropropane	76	7.716	7.716	0.0	55	41878	10.1	
80 2-Hexanone	43	7.728	7.722	0.006	93	135092	49.6	
83 Chlorodibromomethane	129	7.965	7.965	0.0	68	23630	8.70	
84 Ethylene Dibromide	107	8.099	8.099	0.0	78	26279	9.55	
87 Chlorobenzene	112	8.549	8.549	0.0	87	81222	10.3	
88 Ethylbenzene	91	8.610	8.610	0.0	56	135233	10.6	
89 1,1,1,2-Tetrachloroethane	131	8.628	8.628	0.0	63	24804	9.34	
90 m-Xylene & p-Xylene	106	8.726	8.726	0.0	99	112438	21.3	
91 o-Xylene	106	9.158	9.158	0.0	92	53103	10.4	
92 Styrene	104	9.182	9.182	0.0	95	89306	10.1	
95 Bromoform	173	9.450	9.456	-0.006	76	12885	7.03	
94 Isopropylbenzene	105	9.517	9.516	0.001	91	138031	10.9	
97 1,1,2,2-Tetrachloroethane	83	9.882	9.882	0.0	70	31495	10.0	
101 Bromobenzene	156	9.894	9.894	0.0	89	35833	10.4	
98 trans-1,4-Dichloro-2-butene	53	9.924	9.918	0.006	55	55748	50.2	
99 N-Propylbenzene	91	9.924	9.924	0.0	94	161346	10.9	
100 1,2,3-Trichloropropane	110	9.936	9.936	0.0	35	10665	9.83	
103 2-Chlorotoluene	126	10.052	10.052	0.0	94	33604	10.6	
102 1,3,5-Trimethylbenzene	105	10.082	10.082	0.0	93	114894	10.7	
105 4-Chlorotoluene	126	10.155	10.155	0.0	95	35539	10.4	
106 tert-Butylbenzene	134	10.399	10.399	0.0	88	25783	10.6	
107 1,2,4-Trimethylbenzene	105	10.447	10.447	0.0	45	117906	10.7	
109 sec-Butylbenzene	105	10.600	10.599	0.001	88	147515	10.9	
110 4-Isopropyltoluene	119	10.715	10.715	0.0	94	124875	10.6	
111 1,3-Dichlorobenzene	146	10.758	10.758	0.0	88	68708	10.4	
113 1,4-Dichlorobenzene	146	10.837	10.837	0.0	90	68649	10.3	
115 n-Butylbenzene	91	11.086	11.086	0.0	92	108325	10.7	
116 1,2-Dichlorobenzene	146	11.177	11.177	0.0	91	66031	10.4	
117 1,2-Dibromo-3-Chloropropane	75	11.847	11.853	-0.006	28	5349	8.93	
119 1,2,4-Trichlorobenzene	180	12.510	12.510	0.0	85	41272	10.1	
120 Hexachlorobutadiene	225	12.601	12.607	-0.006	83	20547	10.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.747	12.747	0.0	93	112131	9.83	
122 1,2,3-Trichlorobenzene	180	12.972	12.972	0.0	85	37189	10.1	
S 123 Total BTEX	1				0		63.6	
S 124 Xylenes, Total	1				0		31.7	
S 125 1,2-Dichloroethene, Total	1				0		20.7	
S 126 1,3-Dichloropropene, Total	1				0		19.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 01-Sep-2011 15:54:02

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3648.D

Injection Date: 01-Sep-2011 13:56:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29774

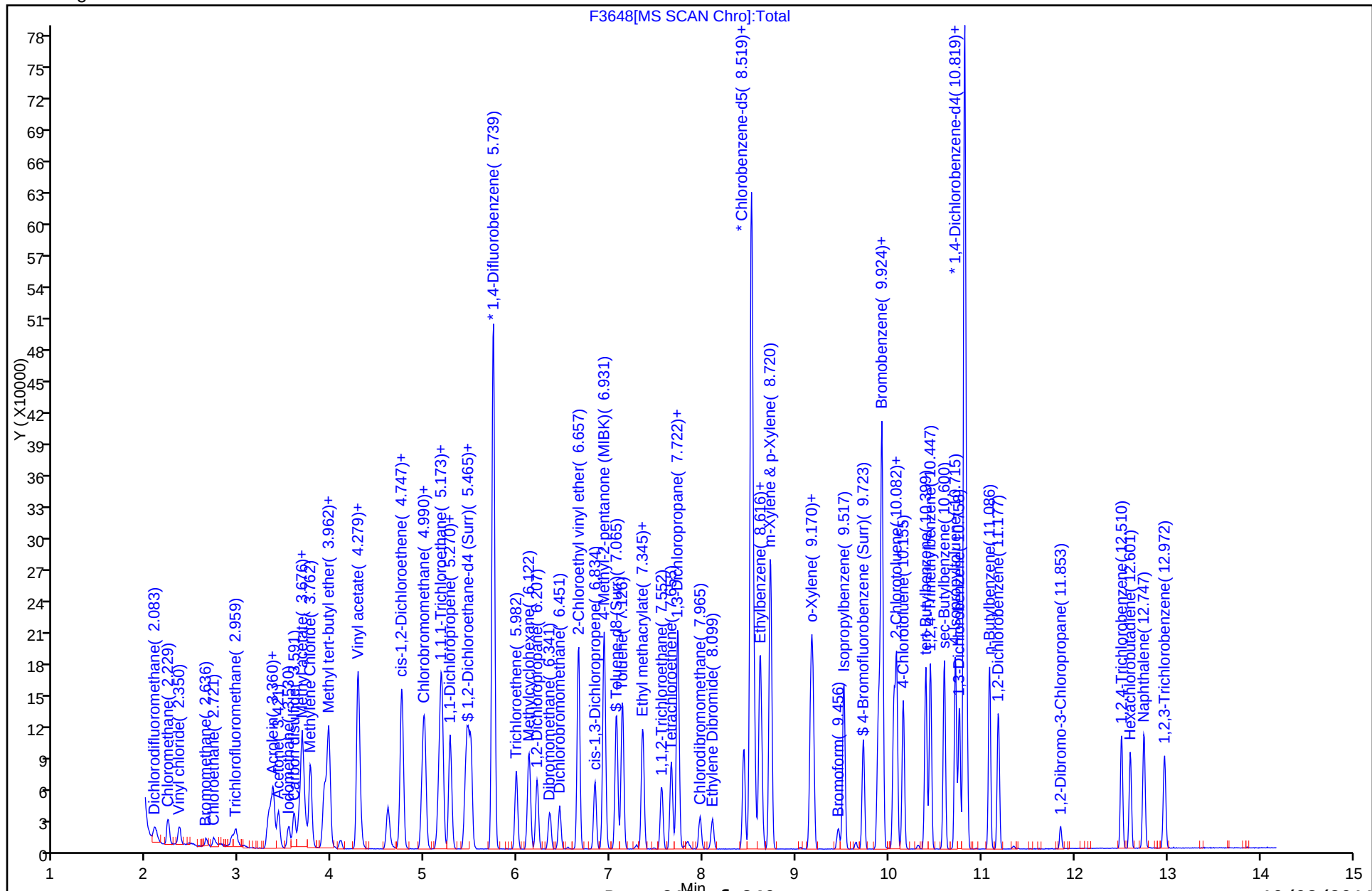
Lims Sample ID: 4

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:

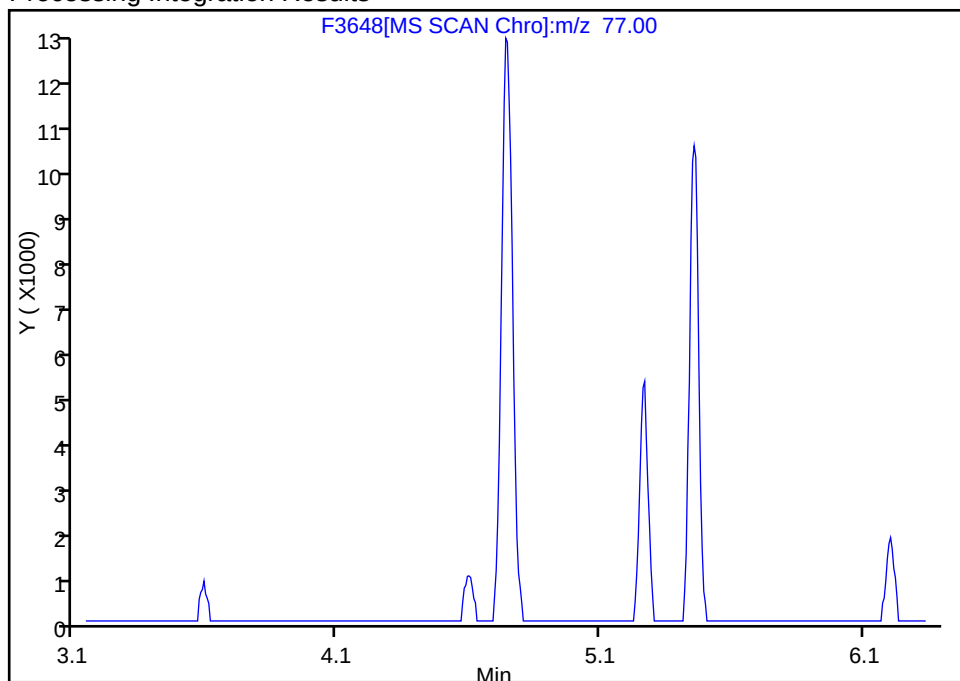


Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3648.D
Injection Date: 01-Sep-2011 13:56:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973F
Lims Batch ID: 29774 Lims Sample ID: 4
Operator ID: PJQ
Column Type: ZB-624 Column Dia: 0.25 mm

44 2,2-Dichloropropane, Signal: 1, m/z: 77.0 Type: quant, RT: 4.74

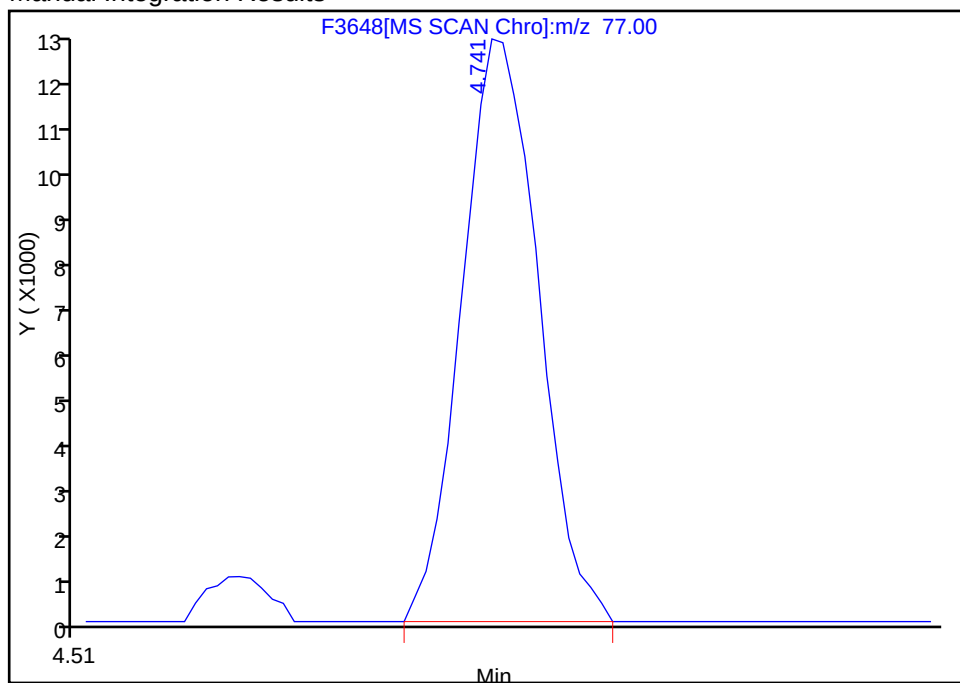
Not Detected
Expected RT: 4.74

Processing Integration Results



RT: 4.74
Response: 37290
Amount: 10.368721

Manual Integration Results



Reviewer: quirkp, 01-Sep-2011 15:39:13
Audit Action: Manually Integrated
Audit Reason: Missed Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3649.D
 Lims ID: STD3 Client ID:
 Inject. Date: 01-Sep-2011 14:22:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: STD3
 Misc. Info.: 480-0005704-005 =480-0005704-005
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 29774 Lims Sample ID: 5
 Sublist: chrom-F-8260 SOIL*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F-8260 SOIL.m
 Last Update: 01-Sep-2011 15:54:08 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 01-Sep-2011 15:54:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	496562	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	81	229962	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.818	0.0	87	248900	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.434	5.434	0.0	92	36270	20.8	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	92	209756	20.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.723	9.723	0.0	86	74172	20.2	
10 Dichlorodifluoromethane	85	2.095	2.095	0.0	92	48850	19.7	
12 Chloromethane	50	2.234	2.234	0.0	100	57983	20.3	
13 Vinyl chloride	62	2.356	2.356	0.0	75	46802	20.1	
14 Bromomethane	94	2.642	2.642	0.0	73	10174	21.8	
15 Chloroethane	64	2.727	2.727	0.0	66	13751	18.5	
17 Trichlorofluoromethane	101	2.958	2.958	0.0	80	45259	19.5	
20 Acrolein	56	3.305	3.305	0.0	94	37111	400.1	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.336	3.336	0.0	85	42256	19.9	
22 1,1-Dichloroethene	96	3.366	3.366	0.0	91	44031	19.5	
23 Acetone	43	3.421	3.421	0.0	94	116664	100.5	
25 Iodomethane	142	3.530	3.530	0.0	98	60026	19.9	
26 Carbon disulfide	76	3.591	3.591	0.0	98	119136	19.5	
27 Methyl acetate	43	3.640	3.640	0.0	91	95546	20.3	
29 Acetonitrile	40	3.676	3.676	0.0	100	196938	816.6	
30 Methylene Chloride	84	3.761	3.761	0.0	91	59557	23.6	
32 Methyl tert-butyl ether	73	3.920	3.920	0.0	92	164529	19.9	
34 trans-1,2-Dichloroethene	96	3.956	3.956	0.0	94	51582	20.4	
33 Acrylonitrile	53	3.968	3.968	0.0	97	125659	100.8	
37 Vinyl acetate	43	4.272	4.272	0.0	97	566059	104.1	
39 1,1-Dichloroethane	63	4.297	4.297	0.0	54	93356	20.3	
44 2,2-Dichloropropane	77	4.741	4.741	0.0	56	70848	19.9	
43 2-Butanone (MEK)	43	4.747	4.747	0.0	98	187712	102.2	
45 cis-1,2-Dichloroethene	96	4.759	4.759	0.0	79	58534	20.5	
48 Chlorobromomethane	128	4.966	4.966	0.0	91	31616	20.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
49 Tetrahydrofuran	42	4.984	4.984	0.0	87	119712	101.6	
50 Chloroform	83	5.002	5.002	0.0	85	90815	20.1	
51 1,1,1-Trichloroethane	97	5.148	5.148	0.0	95	77049	19.8	
52 Cyclohexane	56	5.179	5.179	0.0	94	87061	19.7	
54 1,1-Dichloropropene	75	5.264	5.264	0.0	88	68386	19.8	
55 Carbon tetrachloride	117	5.276	5.276	0.0	63	67090	19.5	
57 Benzene	78	5.459	5.459	0.0	99	202371	20.4	
58 1,2-Dichloroethane	62	5.495	5.495	0.0	70	83597	20.6	
62 Trichloroethene	95	5.982	5.982	0.0	91	54353	20.2	
64 Methylcyclohexane	83	6.122	6.122	0.0	92	82443	19.8	
65 1,2-Dichloropropane	63	6.207	6.207	0.0	87	54038	20.2	
67 Dibromomethane	93	6.341	6.341	0.0	84	33927	20.7	
68 Dichlorobromomethane	83	6.450	6.450	0.0	92	63863	19.5	
69 2-Chloroethyl vinyl ether	63	6.651	6.651	0.0	93	194537	103.1	
72 cis-1,3-Dichloropropene	75	6.828	6.828	0.0	79	84858	20.2	
73 4-Methyl-2-pentanone (MIBK)	43	6.931	6.931	0.0	98	372249	102.6	
74 Toluene	92	7.126	7.126	0.0	93	139661	20.0	
75 Ethyl methacrylate	69	7.339	7.339	0.0	83	76855	20.4	
77 trans-1,3-Dichloropropene	75	7.351	7.351	0.0	89	80097	20.2	
79 1,1,2-Trichloroethane	83	7.551	7.551	0.0	91	39951	20.3	
81 Tetrachloroethene	166	7.655	7.655	0.0	87	60044	20.0	
82 1,3-Dichloropropane	76	7.716	7.716	0.0	59	85637	20.9	
80 2-Hexanone	43	7.722	7.722	0.0	93	277004	102.7	
83 Chlorodibromomethane	129	7.965	7.965	0.0	81	51742	19.2	
84 Ethylene Dibromide	107	8.099	8.099	0.0	92	55621	20.4	
87 Chlorobenzene	112	8.549	8.549	0.0	92	159320	20.3	
88 Ethylbenzene	91	8.610	8.610	0.0	52	256575	20.3	
89 1,1,1,2-Tetrachloroethane	131	8.628	8.628	0.0	64	52275	19.9	
90 m-Xylene & p-Xylene	106	8.726	8.726	0.0	98	211134	40.5	
91 o-Xylene	106	9.158	9.158	0.0	94	102697	20.2	
92 Styrene	104	9.182	9.182	0.0	96	178845	20.4	
95 Bromoform	173	9.456	9.456	0.0	87	29156	16.1	
94 Isopropylbenzene	105	9.516	9.516	0.0	93	262009	20.5	
97 1,1,2,2-Tetrachloroethane	83	9.882	9.882	0.0	90	64846	20.5	
101 Bromobenzene	156	9.894	9.894	0.0	93	71820	20.6	
98 trans-1,4-Dichloro-2-butene	53	9.918	9.918	0.0	61	114538	102.4	
99 N-Propylbenzene	91	9.924	9.924	0.0	93	310267	20.9	
100 1,2,3-Trichloropropane	110	9.936	9.936	0.0	41	23615	21.6	
103 2-Chlorotoluene	126	10.052	10.052	0.0	95	65478	20.5	
102 1,3,5-Trimethylbenzene	105	10.082	10.082	0.0	93	223197	20.7	
105 4-Chlorotoluene	126	10.155	10.155	0.0	97	70398	20.5	
106 tert-Butylbenzene	134	10.399	10.399	0.0	90	50741	20.7	
107 1,2,4-Trimethylbenzene	105	10.447	10.447	0.0	31	227664	20.5	
109 sec-Butylbenzene	105	10.599	10.599	0.0	92	279196	20.4	
110 4-Isopropyltoluene	119	10.715	10.715	0.0	95	242889	20.5	
111 1,3-Dichlorobenzene	146	10.758	10.758	0.0	90	135377	20.4	
113 1,4-Dichlorobenzene	146	10.837	10.837	0.0	93	137038	20.4	
115 n-Butylbenzene	91	11.086	11.086	0.0	93	208408	20.4	
116 1,2-Dichlorobenzene	146	11.177	11.177	0.0	96	129666	20.3	
117 1,2-Dibromo-3-Chloropropane	75	11.853	11.853	0.0	64	11487	19.0	
119 1,2,4-Trichlorobenzene	180	12.510	12.510	0.0	93	83690	20.4	
120 Hexachlorobutadiene	225	12.607	12.607	0.0	92	41094	21.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.747	12.747	0.0	96	232012	20.2	
122 1,2,3-Trichlorobenzene	180	12.972	12.972	0.0	93	75321	20.3	
S 123 Total BTEX	1				0		121.4	
S 124 Xylenes, Total	1				0		60.7	
S 125 1,2-Dichloroethene, Total	1				0		40.9	
S 126 1,3-Dichloropropene, Total	1				0		40.3	

Report Date: 01-Sep-2011 15:54:08

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3649.D

Injection Date: 01-Sep-2011 14:22:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29774

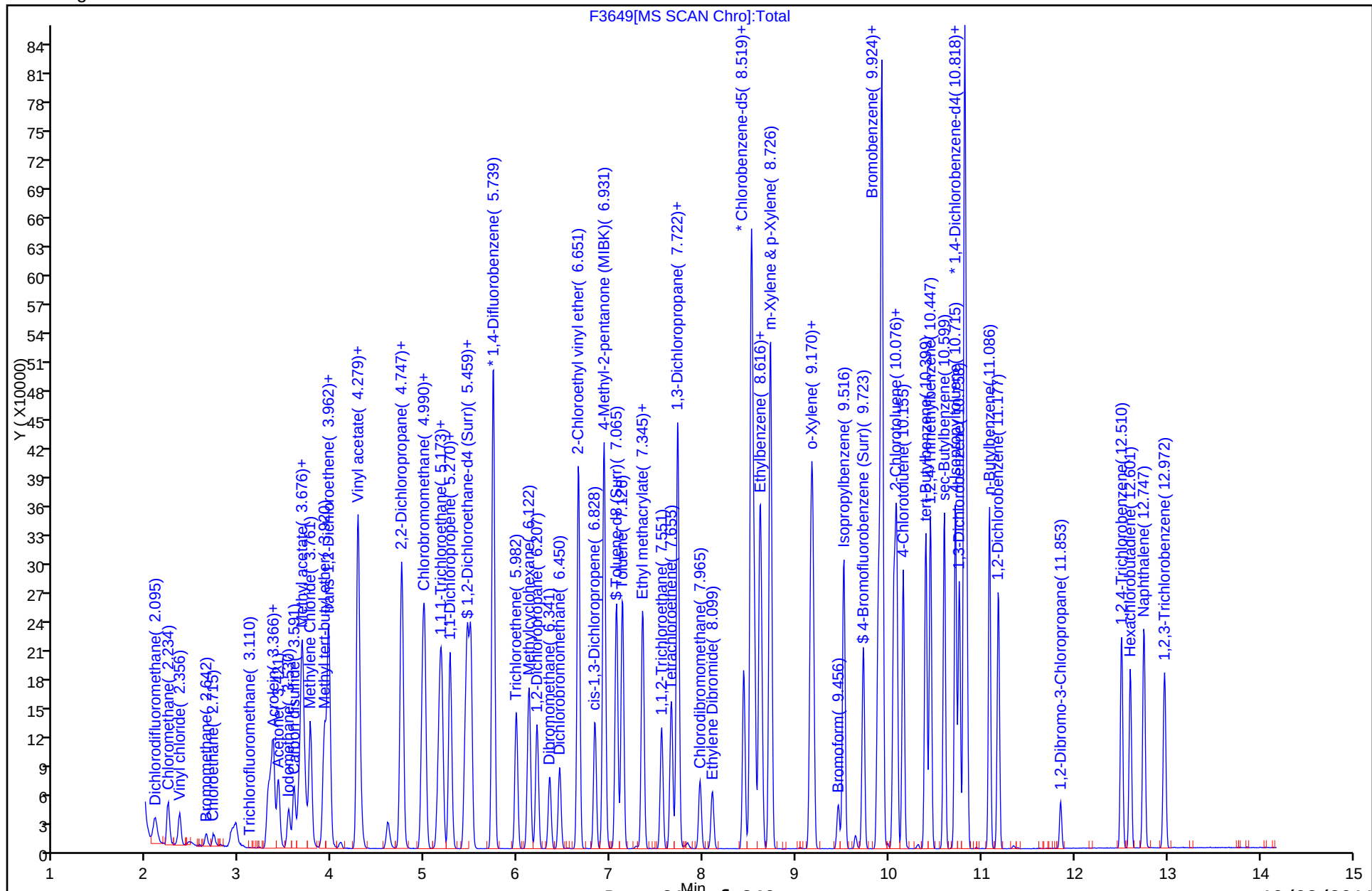
Lims Sample ID: 5

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3650.D
 Lims ID: STD4 Client ID:
 Inject. Date: 01-Sep-2011 14:47:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 4
 Sample ID: STD4
 Misc. Info.: 480-0005704-006 =480-0005704-006
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 29774 Lims Sample ID: 6
 Sublist: chrom-F-8260 SOIL*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F-8260 SOIL.m
 Last Update: 01-Sep-2011 15:54:14 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 01-Sep-2011 15:54:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	499896	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	75	231818	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.819	10.819	0.0	78	257664	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.429	5.429	0.0	95	84764	48.3	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	92	540319	51.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.724	9.724	0.0	88	179384	48.3	
10 Dichlorodifluoromethane	85	2.095	2.095	0.0	98	125465	50.2	
12 Chloromethane	50	2.241	2.241	0.0	99	139444	48.4	
13 Vinyl chloride	62	2.368	2.368	0.0	97	114985	49.0	
14 Bromomethane	94	2.648	2.648	0.0	84	24461	48.6	
15 Chloroethane	64	2.727	2.727	0.0	90	34461	46.1	
17 Trichlorofluoromethane	101	2.959	2.959	0.0	94	112625	48.2	
20 Acrolein	56	3.311	3.311	0.0	95	95967	1027.6	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.336	3.336	0.0	91	106208	49.6	
22 1,1-Dichloroethene	96	3.372	3.372	0.0	93	113013	49.7	
23 Acetone	43	3.427	3.427	0.0	98	297976	254.9	
25 Iodomethane	142	3.537	3.537	0.0	99	153264	50.4	
26 Carbon disulfide	76	3.597	3.597	0.0	100	309344	50.2	
27 Methyl acetate	43	3.646	3.646	0.0	92	245525	51.8	
29 Acetonitrile	40	3.683	3.683	0.0	99	500058	2059.8	
30 Methylene Chloride	84	3.768	3.768	0.0	91	136647	53.9	
32 Methyl tert-butyl ether	73	3.920	3.920	0.0	92	427634	51.4	
34 trans-1,2-Dichloroethene	96	3.956	3.956	0.0	97	126362	49.6	
33 Acrylonitrile	53	3.975	3.975	0.0	98	329107	262.2	
37 Vinyl acetate	43	4.279	4.279	0.0	97	1426744	260.7	
39 1,1-Dichloroethane	63	4.303	4.303	0.0	73	230864	49.8	
44 2,2-Dichloropropane	77	4.753	4.753	0.0	54	178840	49.8	
43 2-Butanone (MEK)	43	4.747	4.747	0.0	98	480460	259.8	
45 cis-1,2-Dichloroethene	96	4.759	4.759	0.0	78	141975	49.4	
48 Chlorobromomethane	128	4.972	4.972	0.0	80	79605	51.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
49 Tetrahydrofuran	42	4.991	4.991	0.0	89	310852	261.9	
50 Chloroform	83	5.003	5.003	0.0	95	222110	48.9	
51 1,1,1-Trichloroethane	97	5.149	5.149	0.0	96	193962	49.6	
52 Cyclohexane	56	5.179	5.179	0.0	93	221051	49.6	
54 1,1-Dichloropropene	75	5.270	5.270	0.0	89	169800	48.8	
55 Carbon tetrachloride	117	5.283	5.283	0.0	87	175945	50.8	
57 Benzene	78	5.459	5.459	0.0	98	495501	49.7	
58 1,2-Dichloroethane	62	5.495	5.495	0.0	72	207785	50.8	
62 Trichloroethene	95	5.988	5.988	0.0	95	134094	49.4	
64 Methylcyclohexane	83	6.122	6.122	0.0	94	209163	49.8	
65 1,2-Dichloropropane	63	6.207	6.207	0.0	88	134425	50.0	
67 Dibromomethane	93	6.347	6.347	0.0	87	85763	52.1	
68 Dichlorobromomethane	83	6.451	6.451	0.0	97	168166	51.0	
69 2-Chloroethyl vinyl ether	63	6.657	6.657	0.0	93	492216	259.1	
72 cis-1,3-Dichloropropene	75	6.834	6.834	0.0	87	215377	50.9	
73 4-Methyl-2-pentanone (MIBK)	43	6.931	6.931	0.0	98	959208	262.3	
74 Toluene	92	7.132	7.132	0.0	93	340932	48.4	
75 Ethyl methacrylate	69	7.345	7.345	0.0	83	198163	52.1	
77 trans-1,3-Dichloropropene	75	7.351	7.351	0.0	90	207261	51.8	
79 1,1,2-Trichloroethane	83	7.552	7.552	0.0	92	101022	50.8	
81 Tetrachloroethene	166	7.655	7.655	0.0	97	148646	49.2	
82 1,3-Dichloropropane	76	7.722	7.722	0.0	53	210113	50.8	
80 2-Hexanone	43	7.722	7.722	0.0	90	719054	264.5	
83 Chlorodibromomethane	129	7.965	7.965	0.0	89	140753	51.9	
84 Ethylene Dibromide	107	8.099	8.099	0.0	97	141321	51.4	
87 Chlorobenzene	112	8.549	8.549	0.0	92	390480	49.4	
88 Ethylbenzene	91	8.610	8.610	0.0	56	629912	49.4	
89 1,1,1,2-Tetrachloroethane	131	8.628	8.628	0.0	56	136447	51.5	
90 m-Xylene & p-Xylene	106	8.726	8.726	0.0	98	518656	98.6	
91 o-Xylene	106	9.158	9.158	0.0	94	253921	49.6	
92 Styrene	104	9.182	9.182	0.0	95	442096	50.0	
95 Bromoform	173	9.456	9.456	0.0	96	84257	46.0	
94 Isopropylbenzene	105	9.517	9.517	0.0	94	643275	48.5	
97 1,1,2,2-Tetrachloroethane	83	9.882	9.882	0.0	95	169748	51.7	
101 Bromobenzene	156	9.894	9.894	0.0	92	179611	49.8	
98 trans-1,4-Dichloro-2-butene	53	9.924	9.924	0.0	64	303840	262.4	
99 N-Propylbenzene	91	9.924	9.924	0.0	93	753579	49.0	
100 1,2,3-Trichloropropane	110	9.936	9.936	0.0	42	57690	51.0	
103 2-Chlorotoluene	126	10.052	10.052	0.0	96	163009	49.2	
102 1,3,5-Trimethylbenzene	105	10.082	10.082	0.0	94	548415	49.1	
105 4-Chlorotoluene	126	10.155	10.155	0.0	95	174076	49.0	
106 tert-Butylbenzene	134	10.399	10.399	0.0	91	123927	48.8	
107 1,2,4-Trimethylbenzene	105	10.447	10.447	0.0	42	560476	48.8	
109 sec-Butylbenzene	105	10.600	10.600	0.0	94	690554	48.8	
110 4-Isopropyltoluene	119	10.715	10.715	0.0	97	605205	49.4	
111 1,3-Dichlorobenzene	146	10.758	10.758	0.0	91	341698	49.7	
113 1,4-Dichlorobenzene	146	10.837	10.837	0.0	95	344662	49.5	
115 n-Butylbenzene	91	11.086	11.086	0.0	94	518567	49.1	
116 1,2-Dichlorobenzene	146	11.178	11.178	0.0	97	327861	49.6	
117 1,2-Dibromo-3-Chloropropane	75	11.853	11.853	0.0	73	33742	54.0	
119 1,2,4-Trichlorobenzene	180	12.510	12.510	0.0	96	212880	50.2	
120 Hexachlorobutadiene	225	12.607	12.607	0.0	97	99399	49.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.753	12.753	0.0	97	614199	51.6	
122 1,2,3-Trichlorobenzene	180	12.972	12.972	0.0	95	197103	51.2	
S 123 Total BTEX	1				0		295.7	
S 124 Xylenes, Total	1				0		148.2	
S 125 1,2-Dichloroethene, Total	1				0		99.1	
S 126 1,3-Dichloropropene, Total	1				0		102.6	

Report Date: 01-Sep-2011 15:54:14

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3650.D

Injection Date: 01-Sep-2011 14:47:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29774

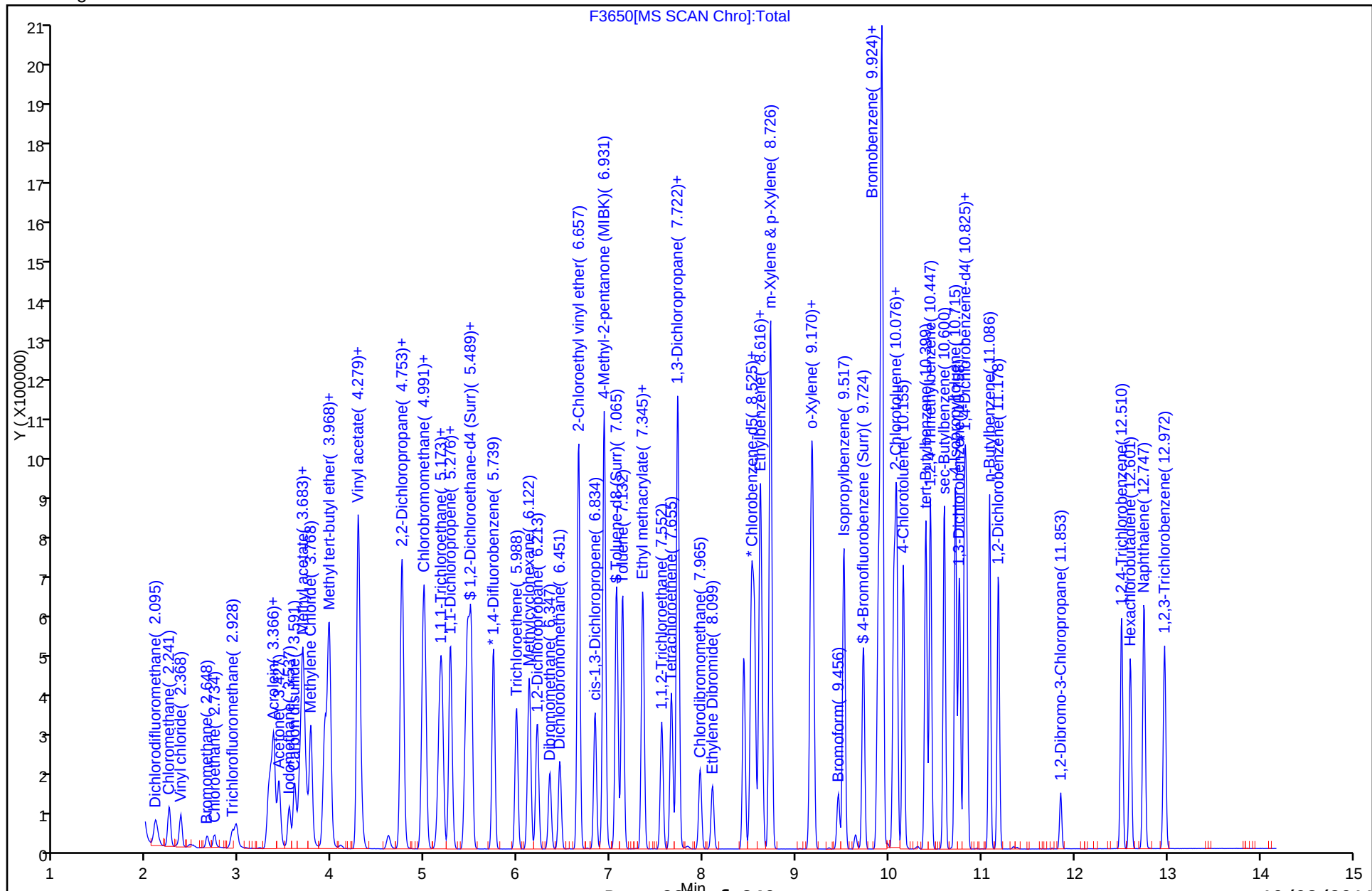
Lims Sample ID: 6

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3651.D
 Lims ID: STD5 Client ID:
 Inject. Date: 01-Sep-2011 15:13:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: STD5
 Misc. Info.: 480-0005704-007 =480-0005704-007
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 29774 Lims Sample ID: 7
 Sublist: chrom-F-8260 SOIL*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F-8260 SOIL.m
 Last Update: 01-Sep-2011 15:54:21 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 01-Sep-2011 15:54:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	506718	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	75	233184	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.819	-0.001	72	261750	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.434	5.429	0.005	93	174321	98.0	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	1061081	99.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.723	9.724	-0.001	88	365591	98.0	
10 Dichlorodifluoromethane	85	2.095	2.095	-0.001	97	257418	101.6	
12 Chloromethane	50	2.247	2.241	0.006	100	287115	98.3	
13 Vinyl chloride	62	2.374	2.368	0.006	97	236593	99.5	
14 Bromomethane	94	2.654	2.648	0.006	90	57275	100.1	
15 Chloroethane	64	2.733	2.727	0.006	99	77844	102.7	
17 Trichlorofluoromethane	101	2.964	2.959	0.005	98	242930	102.5	
20 Acrolein	56	3.311	3.311	0.0	94	195398	2064.2	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.342	3.336	0.006	84	218430	100.7	
22 1,1-Dichloroethene	96	3.372	3.372	0.0	92	230338	99.9	
23 Acetone	43	3.427	3.427	0.0	96	581845	491.0	
25 Iodomethane	142	3.536	3.537	-0.001	99	314218	101.9	
26 Carbon disulfide	76	3.597	3.597	0.0	100	635936	101.9	
27 Methyl acetate	43	3.646	3.646	0.0	92	487194	101.3	
29 Acetonitrile	40	3.682	3.683	-0.001	100	993627	4037.7	
30 Methylene Chloride	84	3.767	3.768	-0.001	91	262734	102.2	
32 Methyl tert-butyl ether	73	3.920	3.920	0.0	93	857495	101.7	
34 trans-1,2-Dichloroethene	96	3.962	3.956	0.006	86	256402	99.4	
33 Acrylonitrile	53	3.974	3.975	-0.001	98	654559	514.5	
37 Vinyl acetate	43	4.279	4.279	-0.001	97	2766136	498.7	
39 1,1-Dichloroethane	63	4.303	4.303	0.0	71	466570	99.3	
44 2,2-Dichloropropane	77	4.747	4.753	-0.006	56	362387	99.6	
43 2-Butanone (MEK)	43	4.747	4.747	0.0	98	951331	507.5	
45 cis-1,2-Dichloroethene	96	4.759	4.759	0.0	78	286120	98.3	
48 Chlorobromomethane	128	4.972	4.972	0.0	81	157904	100.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
49 Tetrahydrofuran	42	4.984	4.991	-0.006	89	616274	512.3	
50 Chloroform	83	5.002	5.003	-0.001	94	444405	96.6	
51 1,1,1-Trichloroethane	97	5.148	5.149	-0.001	96	400075	101.0	
52 Cyclohexane	56	5.179	5.179	0.0	94	461191	102.1	
54 1,1-Dichloropropene	75	5.270	5.270	0.0	89	350467	99.4	
55 Carbon tetrachloride	117	5.282	5.283	-0.001	78	372015	106.0	
57 Benzene	78	5.459	5.459	0.0	98	993688	98.3	
58 1,2-Dichloroethane	62	5.495	5.495	0.0	72	413728	99.8	
62 Trichloroethene	95	5.988	5.988	0.0	95	276381	100.5	
64 Methylcyclohexane	83	6.122	6.122	0.0	95	434834	102.2	
65 1,2-Dichloropropane	63	6.213	6.207	0.006	92	272418	99.9	
67 Dibromomethane	93	6.347	6.347	0.0	86	172519	103.4	
68 Dichlorobromomethane	83	6.450	6.451	-0.001	98	350591	104.9	
69 2-Chloroethyl vinyl ether	63	6.657	6.657	0.0	93	976581	507.2	
72 cis-1,3-Dichloropropene	75	6.834	6.834	0.0	88	442185	103.0	
73 4-Methyl-2-pentanone (MIBK)	43	6.931	6.931	0.0	96	1891031	514.1	
74 Toluene	92	7.132	7.132	0.0	94	687811	97.0	
75 Ethyl methacrylate	69	7.345	7.345	0.0	84	406880	106.3	
77 trans-1,3-Dichloropropene	75	7.351	7.351	0.0	87	422018	104.8	
79 1,1,2-Trichloroethane	83	7.551	7.552	-0.001	93	204557	102.3	
81 Tetrachloroethene	166	7.655	7.655	0.0	95	301675	99.3	
82 1,3-Dichloropropane	76	7.722	7.722	0.0	54	412623	99.1	
80 2-Hexanone	43	7.728	7.722	0.006	89	1420045	519.3	
83 Chlorodibromomethane	129	7.965	7.965	0.0	90	307507	112.8	
84 Ethylene Dibromide	107	8.099	8.099	0.0	97	283358	102.5	
87 Chlorobenzene	112	8.549	8.549	0.0	92	789210	99.3	
88 Ethylbenzene	91	8.610	8.610	0.0	57	1262184	98.4	
89 1,1,1,2-Tetrachloroethane	131	8.628	8.628	0.0	57	284396	106.6	
90 m-Xylene & p-Xylene	106	8.726	8.726	0.0	98	1036114	195.8	
91 o-Xylene	106	9.164	9.158	0.006	91	509920	99.1	
92 Styrene	104	9.182	9.182	0.0	95	899638	101.1	
95 Bromoform	173	9.456	9.456	0.0	96	190002	103.2	
94 Isopropylbenzene	105	9.516	9.517	-0.001	95	1305839	97.0	
97 1,1,2,2-Tetrachloroethane	83	9.881	9.882	-0.001	96	337414	101.2	
101 Bromobenzene	156	9.894	9.894	0.0	93	351462	95.9	
98 trans-1,4-Dichloro-2-butene	53	9.924	9.924	0.0	66	600934	510.9	
99 N-Propylbenzene	91	9.924	9.924	0.0	92	1480270	94.8	
100 1,2,3-Trichloropropane	110	9.936	9.936	0.0	44	114062	99.3	
103 2-Chlorotoluene	126	10.058	10.052	0.006	96	328215	97.6	
102 1,3,5-Trimethylbenzene	105	10.082	10.082	0.0	94	1097805	96.7	
105 4-Chlorotoluene	126	10.155	10.155	0.0	95	353198	97.8	
106 tert-Butylbenzene	134	10.399	10.399	0.0	92	251959	97.6	
107 1,2,4-Trimethylbenzene	105	10.447	10.447	0.0	49	1121425	96.2	
109 sec-Butylbenzene	105	10.599	10.600	-0.001	94	1396137	97.1	
110 4-Isopropyltoluene	119	10.721	10.715	0.006	96	1220741	98.0	
111 1,3-Dichlorobenzene	146	10.758	10.758	0.0	97	683310	97.8	
113 1,4-Dichlorobenzene	146	10.837	10.837	0.0	94	693087	98.1	
115 n-Butylbenzene	91	11.086	11.086	0.0	94	1052918	98.1	
116 1,2-Dichlorobenzene	146	11.183	11.178	0.005	98	656644	97.9	
117 1,2-Dibromo-3-Chloropropane	75	11.853	11.853	0.0	80	71629	112.9	
119 1,2,4-Trichlorobenzene	180	12.510	12.510	0.0	92	429025	99.5	
120 Hexachlorobutadiene	225	12.607	12.607	0.0	97	203678	99.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.753	12.753	0.0	97	1235261	102.2	
122 1,2,3-Trichlorobenzene	180	12.972	12.972	0.0	96	393970	100.8	
S 123 Total BTEX	1				0		588.6	
S 124 Xylenes, Total	1				0		294.9	
S 125 1,2-Dichloroethene, Total	1				0		197.6	
S 126 1,3-Dichloropropene, Total	1				0		207.8	

Report Date: 01-Sep-2011 15:54:21

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3651.D

Injection Date: 01-Sep-2011 15:13:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29774

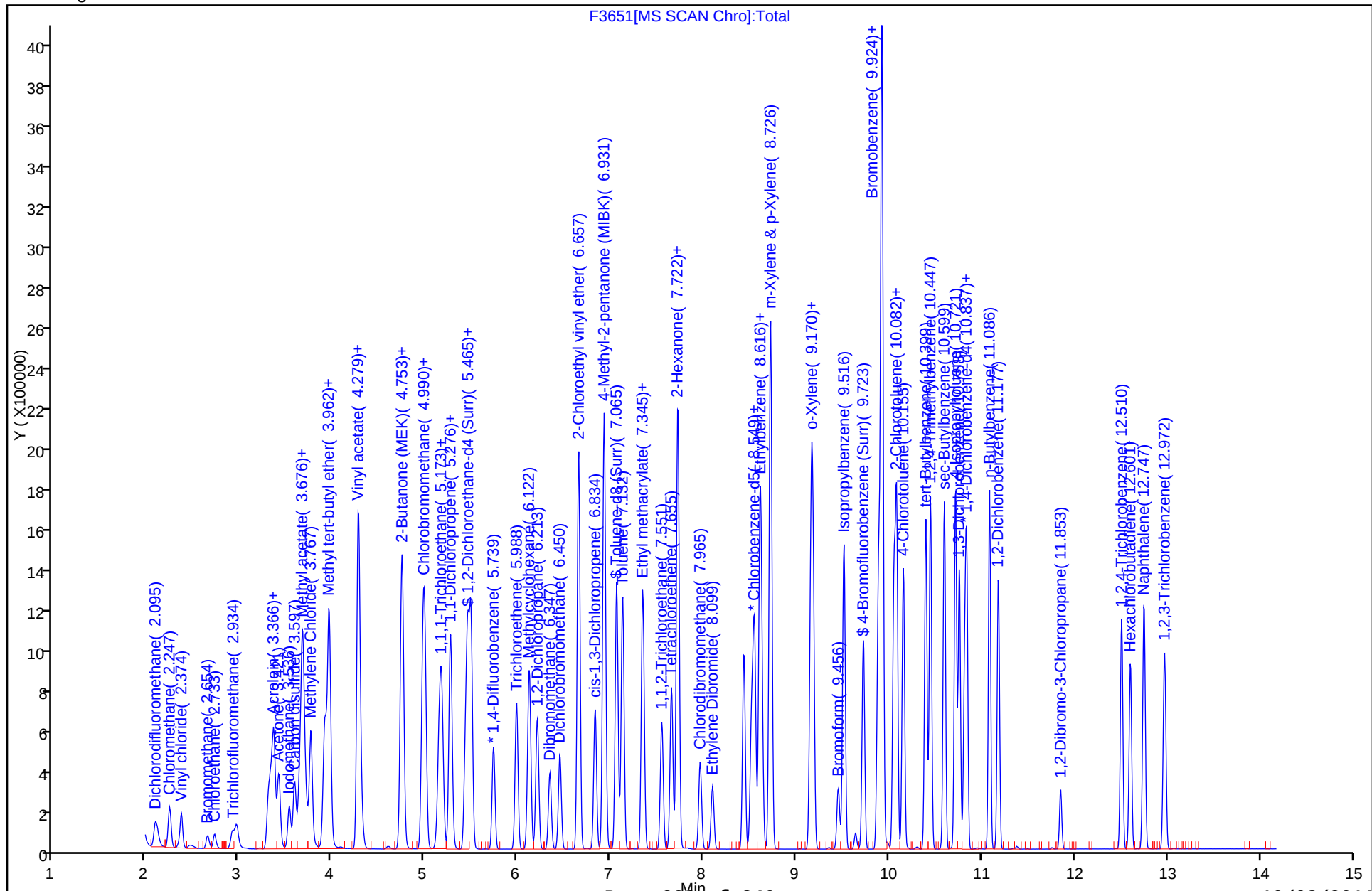
Lims Sample ID: 7

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Lims ID: STD6 Client ID:
 Inject. Date: 01-Sep-2011 15:38:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: STD6
 Misc. Info.: 480-0005704-008 =480-0005704-008
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 8
 Lims Batch ID: 29774 Lims Sample ID: 8
 Sublist: chrom-F-8260 SOIL*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F-8260 SOIL.m
 Last Update: 01-Sep-2011 15:54:31 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 01-Sep-2011 15:54:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	95	507039	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	75	232526	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.819	-0.001	62	254271	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.435	5.429	0.006	94	339866	190.9	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	1999712	188.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.730	9.724	0.006	90	688259	184.9	
10 Dichlorodifluoromethane	85	2.101	2.095	0.006	98	465985	183.9	
12 Chloromethane	50	2.253	2.241	0.012	99	524467	179.5	
13 Vinyl chloride	62	2.374	2.368	0.006	82	428164	179.9	
14 Bromomethane	94	2.666	2.648	0.018	89	138685	200.0	
15 Chloroethane	64	2.733	2.727	0.006	99	166971	220.1	
17 Trichlorofluoromethane	101	2.971	2.959	0.012	98	463002	195.3	
20 Acrolein	56	3.311	3.311	0.0	96	356230	3760.8	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.342	3.336	0.006	93	404344	186.3	
22 1,1-Dichloroethene	96	3.372	3.372	0.0	97	424140	183.9	
23 Acetone	43	3.427	3.427	0.0	96	1055606	890.2	
25 Iodomethane	142	3.536	3.537	-0.001	99	597772	193.8	
26 Carbon disulfide	76	3.597	3.597	0.0	100	1185323	189.8	
27 Methyl acetate	43	3.646	3.646	0.0	92	880687	183.0	
29 Acetonitrile	40	3.682	3.683	-0.001	100	1787460	7258.9	
30 Methylene Chloride	84	3.774	3.768	0.006	91	507744	197.3	
32 Methyl tert-butyl ether	73	3.920	3.920	0.0	93	1618942	191.8	
34 trans-1,2-Dichloroethene	96	3.962	3.956	0.006	91	479836	185.8	
33 Acrylonitrile	53	3.974	3.975	-0.001	98	1181775	928.3	
37 Vinyl acetate	43	4.279	4.279	0.0	98	4800091	864.9	
39 1,1-Dichloroethane	63	4.303	4.303	0.0	69	874967	186.1	
43 2-Butanone (MEK)	43	4.747	4.747	0.0	98	1649480	879.3	
44 2,2-Dichloropropane	77	4.747	4.753	-0.006	57	681158	187.1	
45 cis-1,2-Dichloroethene	96	4.759	4.759	0.0	79	541932	186.0	
48 Chlorobromomethane	128	4.972	4.972	0.0	84	303006	192.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
49 Tetrahydrofuran	42	4.984	4.991	-0.006	90	1076521	894.3	
50 Chloroform	83	5.003	5.003	0.0	96	850824	184.8	
51 1,1,1-Trichloroethane	97	5.149	5.149	0.0	97	765471	193.1	
52 Cyclohexane	56	5.179	5.179	0.0	94	837299	185.2	
54 1,1-Dichloropropene	75	5.270	5.270	0.0	88	646307	183.2	
55 Carbon tetrachloride	117	5.282	5.283	-0.001	78	719426	204.8	
57 Benzene	78	5.465	5.459	0.006	98	1855300	183.3	
58 1,2-Dichloroethane	62	5.501	5.495	0.006	85	776666	187.2	
62 Trichloroethene	95	5.988	5.988	0.0	95	520053	188.9	
64 Methylcyclohexane	83	6.122	6.122	0.0	96	796064	187.0	
65 1,2-Dichloropropane	63	6.213	6.207	0.006	92	525105	192.4	
67 Dibromomethane	93	6.347	6.347	0.0	86	331483	198.5	
68 Dichlorobromomethane	83	6.457	6.451	0.006	97	693377	207.3	
69 2-Chloroethyl vinyl ether	63	6.657	6.657	0.0	94	1764873	916.1	
72 cis-1,3-Dichloropropene	75	6.834	6.834	0.0	89	857528	199.6	
73 4-Methyl-2-pentanone (MIBK)	43	6.931	6.931	0.0	96	3229821	880.5	
74 Toluene	92	7.132	7.132	0.0	94	1297323	183.5	
75 Ethyl methacrylate	69	7.345	7.345	0.0	84	741059	194.2	
77 trans-1,3-Dichloropropene	75	7.357	7.351	0.006	94	808428	201.4	
79 1,1,2-Trichloroethane	83	7.552	7.552	0.0	93	386623	194.0	
81 Tetrachloroethene	166	7.655	7.655	0.0	95	560471	184.9	
80 2-Hexanone	43	7.728	7.722	0.006	88	2407956	883.1	
82 1,3-Dichloropropane	76	7.722	7.722	0.0	56	766149	184.5	
83 Chlorodibromomethane	129	7.965	7.965	0.0	89	612611	225.3	
84 Ethylene Dibromide	107	8.099	8.099	0.0	98	537295	194.9	
87 Chlorobenzene	112	8.549	8.549	0.0	92	1483278	187.3	
88 Ethylbenzene	91	8.610	8.610	0.0	57	2320050	181.4	
89 1,1,1,2-Tetrachloroethane	131	8.628	8.628	0.0	56	551921	207.5	
90 m-Xylene & p-Xylene	106	8.726	8.726	0.0	98	1915972	363.2	
91 o-Xylene	106	9.158	9.158	0.0	94	961145	187.3	
92 Styrene	104	9.182	9.182	0.0	95	1684714	189.9	
95 Bromoform	173	9.456	9.456	0.0	96	384392	209.3	
94 Isopropylbenzene	105	9.517	9.517	0.0	95	2398100	183.4	
97 1,1,2,2-Tetrachloroethane	83	9.882	9.882	0.0	96	612989	189.2	
101 Bromobenzene	156	9.894	9.894	0.0	93	658826	185.2	
98 trans-1,4-Dichloro-2-butene	53	9.924	9.924	0.0	64	1023821	896.0	
99 N-Propylbenzene	91	9.924	9.924	0.0	93	2661216	175.4	
100 1,2,3-Trichloropropane	110	9.936	9.936	0.0	43	205467	184.1	
103 2-Chlorotoluene	126	10.058	10.052	0.006	96	609777	186.6	
102 1,3,5-Trimethylbenzene	105	10.082	10.082	0.0	94	2011251	182.3	
105 4-Chlorotoluene	126	10.155	10.155	0.0	97	657333	187.4	
106 tert-Butylbenzene	134	10.399	10.399	0.0	92	465847	185.7	
107 1,2,4-Trimethylbenzene	105	10.447	10.447	0.0	46	2075853	183.2	
109 sec-Butylbenzene	105	10.599	10.600	-0.001	94	2529185	181.2	
110 4-Isopropyltoluene	119	10.715	10.715	0.0	96	2219136	183.4	
111 1,3-Dichlorobenzene	146	10.764	10.758	0.006	97	1263630	186.2	
113 1,4-Dichlorobenzene	146	10.837	10.837	0.0	93	1274645	185.6	
115 n-Butylbenzene	91	11.086	11.086	0.0	94	1909761	183.2	
116 1,2-Dichlorobenzene	146	11.183	11.178	0.005	98	1212071	186.0	
117 1,2-Dibromo-3-Chloropropane	75	11.853	11.853	0.0	85	133238	216.3	
119 1,2,4-Trichlorobenzene	180	12.510	12.510	0.0	93	768408	183.5	
120 Hexachlorobutadiene	225	12.607	12.607	0.0	97	359215	179.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.747	12.753	-0.006	97	2155168	183.6	
122 1,2,3-Trichlorobenzene	180	12.972	12.972	0.0	95	707830	186.5	
S 123 Total BTEX	1				0		1098.6	
S 124 Xylenes, Total	1				0		550.4	
S 125 1,2-Dichloroethene, Total	1				0		371.9	
S 126 1,3-Dichloropropene, Total	1				0		401.0	

Report Date: 01-Sep-2011 15:54:31

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D

Injection Date: 01-Sep-2011 15:38:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29774

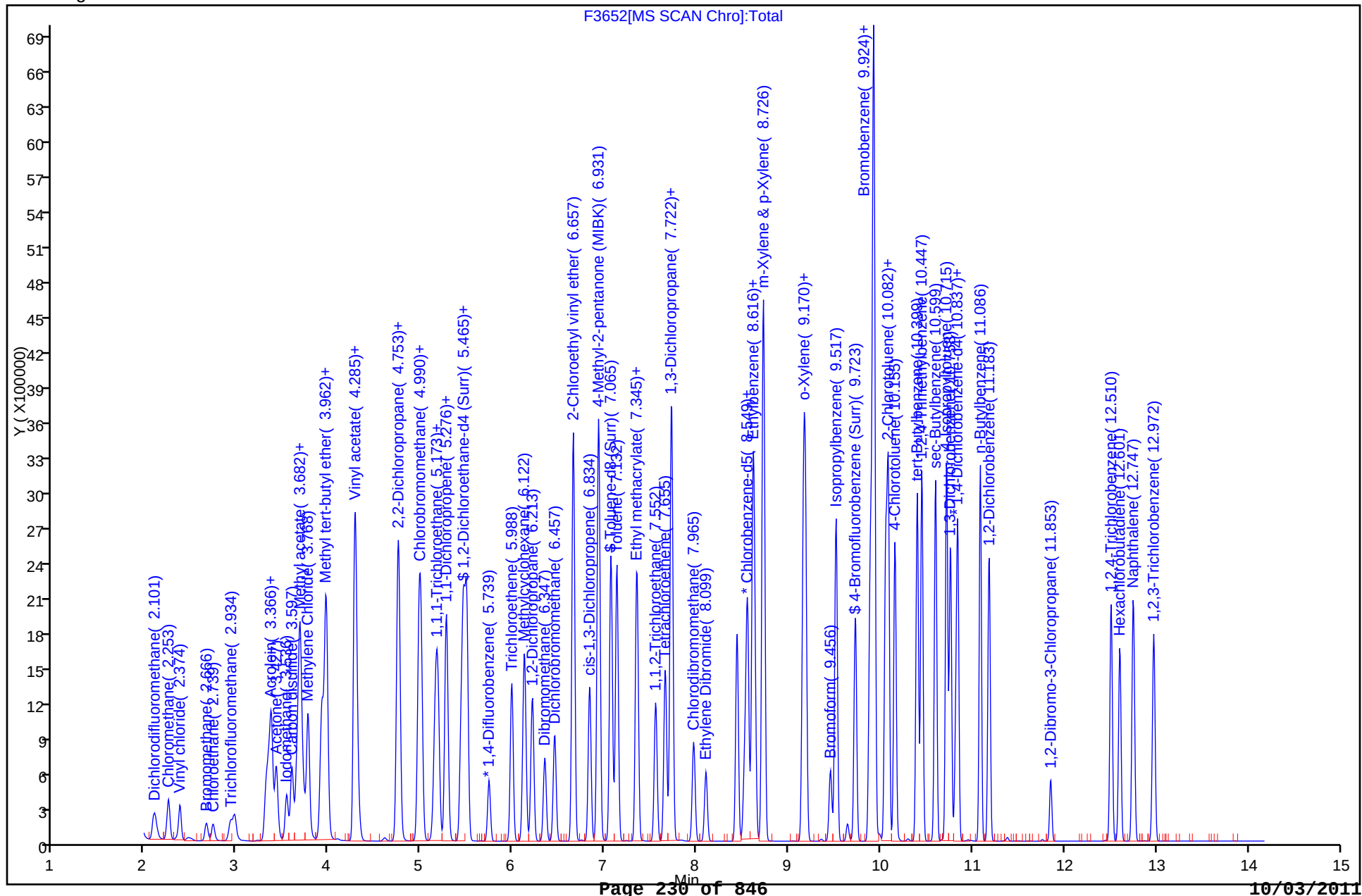
Lims Sample ID: 8

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 32019

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2011 14:39 Calibration End Date: 09/20/2011 16:29 Calibration ID: 3899

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-32019/3	S6121.D
Level 2	STD 480-32019/4	S6122.D
Level 3	STD 480-32019/5	S6123.D
Level 4	STD 480-32019/6	S6124.D
Level 5	STD 480-32019/7	S6125.D
Level 6	STD 480-32019/8	S6126.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.1954 0.2494	0.2229	0.2135	0.2386	0.2375	Ave		0.2262				8.7		15.0			
Chloromethane	0.2417 0.2841	0.2697	0.2383	0.2783	0.2836	Ave		0.2659			0.1000	7.8		15.0			
Vinyl chloride	0.2580 0.2848	0.2778	0.2411	0.2878	0.2716	Ave		0.2702				6.6		30.0			
Bromomethane	0.0609 0.1019	0.0766	0.0712	0.0862	0.0779	QuaF		0.0645	0.0004						0.9980		0.9900
Chloroethane	0.1636 0.1516	0.1566	0.1289	0.1628	0.1334	Ave		0.1495				10.0		15.0			
Trichlorofluoromethane	0.1633 0.2945	0.2559	0.2305	0.2867	0.2790	Lin1F		0.2843							0.9960		0.9900
Acrolein	0.0115 0.0112	0.0093	0.0112	0.0097	0.0111	Ave		0.0106				8.6		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1881 0.2235	0.2228	0.2355	0.2126	0.2221	Ave		0.2174				7.4		15.0			
1,1-Dichloroethene	0.2574 0.2640	0.2460	0.2356	0.2527	0.2596	Ave		0.2525				4.1		30.0			
Acetone	0.1100 0.0881	0.0982	0.0976	0.0932	0.0919	Ave		0.0965				7.9		15.0			
Iodomethane	0.2292 0.2370	0.2533	0.2679	0.2605	0.2140	Ave		0.2436				8.4		15.0			
Carbon disulfide	0.6513 0.6778	0.6794	0.6852	0.6689	0.6750	Ave		0.6729				1.8		15.0			
Methyl acetate	0.4174 0.3935	0.4119	0.4321	0.4096	0.4167	Ave		0.4135				3.0		15.0			
Acetonitrile	0.0223 0.0176	0.0200	0.0193	0.0195	0.0184	Ave		0.0195				8.2		15.0			
Methylene Chloride	0.3609 0.2952	0.2975	0.2654	0.2997	0.2892	Ave		0.3013				11.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 32019

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2011 14:39 Calibration End Date: 09/20/2011 16:29 Calibration ID: 3899

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl tert-butyl ether	0.7792 0.7920	0.7932	0.8534	0.8094	0.8189	Ave		0.8077				3.3		15.0			
trans-1,2-Dichloroethene	0.2782 0.2660	0.2839	0.2464	0.2843	0.2738	Ave		0.2721				5.3		15.0			
Acrylonitrile	0.1162 0.1115	0.1161	0.1231	0.1169	0.1167	Ave		0.1168				3.2		15.0			
1,1-Dichloroethane	0.4912 0.4710	0.4727	0.4249	0.4877	0.4682	Ave		0.4693			0.1000	5.0		15.0			
Vinyl acetate	0.3830 0.4524	0.4176	0.4583	0.4537	0.4677	Ave		0.4388				7.3		15.0			
2,2-Dichloropropane	0.2010 0.2105	0.2123	0.1903	0.2218	0.2077	Ave		0.2073				5.2		15.0			
cis-1,2-Dichloroethene	0.3015 0.2993	0.3031	0.2743	0.3159	0.3047	Ave		0.2998				4.6		15.0			
2-Butanone (MEK)	0.1565 0.1467	0.1548	0.1593	0.1521	0.1525	Ave		0.1537				2.8		15.0			
Bromochloromethane	0.1484 0.1435	0.1443	0.1310	0.1518	0.1459	Ave		0.1441				4.9		15.0			
Tetrahydrofuran	0.1024 0.0979	0.1015	0.1055	0.1010	0.1022	Ave		0.1018				2.4		15.0			
Chloroform	0.5537 0.4365	0.4738	0.4038	0.4570	0.4412	Ave		0.4610				11.0		30.0			
Cyclohexane	0.4672 0.4568	0.4858	0.5000	0.4638	0.4684	Ave		0.4737				3.4		15.0			
1,1,1-Trichloroethane	0.3096 0.3059	0.3163	0.2776	0.3213	0.3060	Ave		0.3061				5.0		15.0			
Carbon tetrachloride	0.2812 0.3133	0.2966	0.2623	0.3092	0.2987	Ave		0.2936				6.5		15.0			
1,1-Dichloropropene	0.3835 0.3671	0.3782	0.3313	0.3789	0.3637	Ave		0.3671				5.2		15.0			
Benzene	1.2039 1.1260	1.1847	1.0391	1.1870	1.1457	Ave		1.1477				5.3		15.0			
1,2-Dichloroethane	0.3451 0.3369	0.3413	0.3074	0.3531	0.3398	Ave		0.3373				4.6		15.0			
Trichloroethene	0.2807 0.2747	0.2847	0.2514	0.2837	0.2741	Ave		0.2749				4.5		15.0			
Methylcyclohexane	0.4878 0.4813	0.5164	0.5242	0.4895	0.4940	Ave		0.4989				3.5		15.0			
1,2-Dichloropropane	0.2821 0.2831	0.2806	0.2473	0.2918	0.2802	Ave		0.2775				5.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 32019

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2011 14:39 Calibration End Date: 09/20/2011 16:29 Calibration ID: 3899

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dibromomethane	0.1573 0.1606	0.1586	0.1428	0.1699	0.1619	Ave		0.1585				5.6		15.0			
Bromodichloromethane	0.3203 0.3416	0.3104	0.2841	0.3418	0.3330	Ave		0.3219				6.9		15.0			
2-Chloroethyl vinyl ether	0.1767 0.1811	0.1926	0.2000	0.1902	0.1927	Ave		0.1889				4.5		15.0			
cis-1,3-Dichloropropene	0.3770 0.4576	0.4098	0.3816	0.4627	0.4507	Ave		0.4232				9.2		15.0			
4-Methyl-2-pentanone (MIBK)	0.6251 0.6211	0.6605	0.7074	0.6737	0.6811	Ave		0.6615				5.1		15.0			
Toluene	1.7081 1.5495	1.6076	1.4473	1.6326	1.5569	Ave		1.5837				5.6		30.0			
trans-1,3-Dichloropropene	0.7411 0.9043	0.7653	0.7132	0.8805	0.8823	Ave		0.8144				10.0		15.0			
Ethyl methacrylate	0.6495 0.8619	0.7586	0.8663	0.8340	0.9039	Ave		0.8124				11.0		15.0			
1,1,2-Trichloroethane	0.4609 0.4630	0.4414	0.4138	0.4809	0.4646	Ave		0.4541				5.2		15.0			
Tetrachloroethene	0.6396 0.6128	0.6492	0.5820	0.6504	0.6170	Ave		0.6252				4.2		15.0			
1,3-Dichloropropane	0.9868 0.9676	0.9521	0.8700	0.9854	0.9680	Ave		0.9550				4.6		15.0			
2-Hexanone	0.4583 0.4587	0.4786	0.5152	0.4953	0.5010	Ave		0.4845				4.8		15.0			
Dibromochloromethane	0.4523 0.5762	0.4754	0.4506	0.5470	0.5530	Ave		0.5091				11.0		15.0			
1,2-Dibromoethane	0.5117 0.5543	0.5328	0.4902	0.5659	0.5569	Ave		0.5353				5.5		15.0			
Chlorobenzene	1.8578 1.7135	1.7556	1.5658	1.7877	1.7116	Ave		1.7320			0.3000	5.7		15.0			
Ethylbenzene	2.9844 2.7928	2.9743	2.6370	2.9267	2.8592	Ave		2.8624				4.6		30.0			
1,1,1,2-Tetrachloroethane	0.4916 0.5237	0.5183	0.4741	0.5504	0.5408	Ave		0.5165				5.6		15.0			
m,p-Xylene	1.1635 1.0913	1.1941	1.0406	1.1733	1.1360	Ave		1.1331				5.1		15.0			
o-Xylene	1.1052 1.0977	1.1214	1.0183	1.1523	1.1288	Ave		1.1039				4.2		15.0			
Styrene	1.8447 1.9355	1.9060	1.7434	2.0083	1.9874	Ave		1.9042				5.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 32019

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2011 14:39 Calibration End Date: 09/20/2011 16:29 Calibration ID: 3899

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Bromoform	0.2387 0.3708	0.2667	0.2535	0.3261	0.3505	Lin1F		0.3501			0.1000				0.9910		0.9900
Isopropylbenzene	2.9286 2.9049	2.9331	2.5978	2.9735	2.8495	Ave		2.8646				4.8		15.0			
Bromobenzene	0.7422 0.7169	0.7258	0.6550	0.7421	0.7085	Ave		0.7151				4.5		15.0			
1,1,2,2-Tetrachloroethane	0.7397 0.7615	0.7469	0.6606	0.7799	0.7591	Ave		0.7413			0.3000	5.6		15.0			
N-Propylbenzene	3.5507 3.4390	3.5379	3.1474	3.5948	3.4624	Ave		3.4554				4.7		15.0			
1,2,3-Trichloropropane	0.2186 0.2132	0.2371	0.2057	0.2332	0.2221	Ave		0.2217				5.4		15.0			
trans-1,4-Dichloro-2-butene	0.1014 0.1649	0.1237	0.1471	0.1568	0.1545	Lin1F		0.1588							0.9960		0.9900
2-Chlorotoluene	0.7228 0.7075	0.7215	0.6328	0.7330	0.6983	Ave		0.7026				5.2		15.0			
1,3,5-Trimethylbenzene	2.4536 2.4136	2.4643	2.1951	2.4974	2.3929	Ave		2.4028				4.5		15.0			
4-Chlorotoluene	0.7587 0.7453	0.7508	0.6643	0.7605	0.7403	Ave		0.7366				4.9		15.0			
tert-Butylbenzene	0.5348 0.5440	0.5437	0.4857	0.5655	0.5334	Ave		0.5345				5.0		15.0			
1,2,4-Trimethylbenzene	2.3963 2.4309	2.4712	2.2187	2.5449	2.4375	Ave		2.4166				4.5		15.0			
sec-Butylbenzene	3.1739 3.1764	3.2077	2.8523	3.3011	3.1429	Ave		3.1424				4.8		15.0			
1,3-Dichlorobenzene	1.4506 1.2864	1.4343	1.2660	1.4187	1.3355	Ave		1.3653				5.8		15.0			
4-Isopropyltoluene	2.6629 2.5762	2.6909	2.4222	2.7547	2.6119	Ave		2.6198				4.4		15.0			
1,4-Dichlorobenzene	1.5575 1.3923	1.4761	1.2867	1.4719	1.4182	Ave		1.4338				6.4		15.0			
n-Butylbenzene	2.3714 2.4626	2.4624	2.2100	2.5610	2.4700	Ave		2.4229				5.0		15.0			
1,2-Dichlorobenzene	1.4457 1.3300	1.3576	1.2143	1.4018	1.3237	Ave		1.3455				5.9		15.0			
1,2-Dibromo-3-Chloropropane	0.1031 0.1491	0.1063	0.1048	0.1389	0.1391	Lin1F		0.1415							0.9920		0.9900
1,2,4-Trichlorobenzene	0.9165 0.9470	0.9097	0.8446	1.0148	0.9735	Ave		0.9344				6.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 32019

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2011 14:39 Calibration End Date: 09/20/2011 16:29 Calibration ID: 3899

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.2029 0.1720	0.1821	0.1619	0.1941	0.1839	Ave		0.1828				8.1		15.0			
Naphthalene	1.1084 1.3006	1.1655	1.0864	1.3879	1.3408	Ave		1.2316				10.0		15.0			
1,2,3-Trichlorobenzene	0.4060 0.3920	0.3932	0.3582	0.4361	0.4193	Ave		0.4008				6.7		15.0			
1,2-Dichloroethane-d4 (Surr)	0.1109 0.1156	0.1032	0.0994	0.1598	0.1310	QuaF		0.1510	0						0.9950		0.9900
Toluene-d8 (Surr)	1.4442 1.5546	1.3729	1.2832	2.3240	1.8006	QuaF		2.1474	-0.006						0.9920		0.9900
4-Bromofluorobenzene (Surr)	0.6371 0.6025	0.6040	0.5677	0.6883	0.6462	Ave		0.6243				6.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 32019

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2011 14:39 Calibration End Date: 09/20/2011 16:29 Calibration ID: 3899

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-32019/3	S6121.D
Level 2	STD 480-32019/4	S6122.D
Level 3	STD 480-32019/5	S6123.D
Level 4	STD 480-32019/6	S6124.D
Level 5	STD 480-32019/7	S6125.D
Level 6	STD 480-32019/8	S6126.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	DFB	Ave	4593 573749	25957	49797	137787	273539	1.00 100	5.00	10.0	25.0	50.0
Chloromethane	DFB	Ave	5682 653387	31406	55563	160702	326629	1.00 100	5.00	10.0	25.0	50.0
Vinyl chloride	DFB	Ave	6066 655221	32341	56227	166240	312715	1.00 100	5.00	10.0	25.0	50.0
Bromomethane	DFB	QuaF	1432 234440	8916	16593	49795	89732	1.00 100	5.00	10.0	25.0	50.0
Chloroethane	DFB	Ave	3847 348737	18234	30052	94010	153655	1.00 100	5.00	10.0	25.0	50.0
Trichlorofluoromethane	DFB	Lin1F	3839 677342	29800	53744	165597	321247	1.00 100	5.00	10.0	25.0	50.0
Acrolein	DFB	Ave	5403 513160	21621	52170	111864	254975	20.0 2000	100	200	500	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	DFB	Ave	4423 514013	25946	54907	122797	255798	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloroethene	DFB	Ave	6051 607191	28643	54942	145951	298952	1.00 100	5.00	10.0	25.0	50.0
Acetone	DFB	Ave	12933 1012728	57167	113781	269077	529103	5.00 500	25.0	50.0	125	250
Iodomethane	DFB	Ave	5389 545062	29487	62473	150460	246444	1.00 100	5.00	10.0	25.0	50.0
Carbon disulfide	DFB	Ave	15312 1559132	79099	159792	386302	777277	1.00 100	5.00	10.0	25.0	50.0
Methyl acetate	DFB	Ave	9814 905099	47958	100766	236548	479827	1.00 100	5.00	10.0	25.0	50.0
Acetonitrile	DFB	Ave	20932 1619124	93176	180138	449566	848559	40.0 4000	200	400	1000	2000
Methylene Chloride	DFB	Ave	8484 679054	34644	61896	173059	333031	1.00 100	5.00	10.0	25.0	50.0
Methyl tert-butyl ether	DFB	Ave	18319 1821766	92360	199008	467425	943057	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 32019

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2011 14:39 Calibration End Date: 09/20/2011 16:29 Calibration ID: 3899

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
trans-1,2-Dichloroethene	DFB	Ave	6541 611963	33056	57459	164173	315249	1.00 100	5.00	10.0	25.0	50.0
Acrylonitrile	DFB	Ave	13661 1282232	67611	143478	337571	672165	5.00 500	25.0	50.0	125	250
1,1-Dichloroethane	DFB	Ave	11548 1083306	55033	99087	281638	539154	1.00 100	5.00	10.0	25.0	50.0
Vinyl acetate	DFB	Ave	45026 5202634	243100	534390	1310094	2692897	5.00 500	25.0	50.0	125	250
2,2-Dichloropropane	DFB	Ave	4726 484230	24714	44369	128082	239151	1.00 100	5.00	10.0	25.0	50.0
cis-1,2-Dichloroethene	DFB	Ave	7089 688363	35291	63957	182453	350883	1.00 100	5.00	10.0	25.0	50.0
2-Butanone (MEK)	DFB	Ave	18399 1686799	90135	185755	439280	878074	5.00 500	25.0	50.0	125	250
Bromochloromethane	DFB	Ave	3488 330126	16803	30538	87644	168017	1.00 100	5.00	10.0	25.0	50.0
Tetrahydrofuran	DFB	Ave	12032 1125833	59110	123060	291735	588430	5.00 500	25.0	50.0	125	250
Chloroform	DFB	Ave	13018 1004029	55163	94170	263916	508090	1.00 100	5.00	10.0	25.0	50.0
Cyclohexane	DFB	Ave	10983 1050818	56561	116586	267856	539424	1.00 100	5.00	10.0	25.0	50.0
1,1,1-Trichloroethane	DFB	Ave	7278 703555	36831	64726	185540	352413	1.00 100	5.00	10.0	25.0	50.0
Carbon tetrachloride	DFB	Ave	6612 720603	34539	61172	178598	344016	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloropropene	DFB	Ave	9016 844370	44037	77265	218815	418887	1.00 100	5.00	10.0	25.0	50.0
Benzene	DFB	Ave	28304 2590073	137941	242303	685548	1319350	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane	DFB	Ave	8113 774879	39736	71684	203924	391276	1.00 100	5.00	10.0	25.0	50.0
Trichloroethene	DFB	Ave	6599 631841	33150	58626	163864	315698	1.00 100	5.00	10.0	25.0	50.0
Methylcyclohexane	DFB	Ave	11469 1107138	60129	122237	282699	568903	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloropropane	DFB	Ave	6632 651135	32672	57672	168540	322686	1.00 100	5.00	10.0	25.0	50.0
Dibromomethane	DFB	Ave	3697 369345	18468	33288	98117	186463	1.00 100	5.00	10.0	25.0	50.0
Bromodichloromethane	DFB	Ave	7531 785841	36145	66249	197405	383452	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 32019

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2011 14:39 Calibration End Date: 09/20/2011 16:29 Calibration ID: 3899

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
2-Chloroethyl vinyl ether	DFB	Ave	20766 2082473	112118	233174	549196	1109436	5.00 500	25.0	50.0	125	250
cis-1,3-Dichloropropene	DFB	Ave	8863 1052629	47715	88979	267242	519047	1.00 100	5.00	10.0	25.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	34536 3314853	180383	380120	913355	1813746	5.00 500	25.0	50.0	125	250
Toluene	CBZ	Ave	18873 1653850	87806	155536	442677	829242	1.00 100	5.00	10.0	25.0	50.0
trans-1,3-Dichloropropene	CBZ	Ave	8188 965156	41801	76641	238736	469924	1.00 100	5.00	10.0	25.0	50.0
Ethyl methacrylate	CBZ	Ave	7176 919965	41436	93092	226124	481433	1.00 100	5.00	10.0	25.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	5093 494136	24109	44470	130400	247445	1.00 100	5.00	10.0	25.0	50.0
Tetrachloroethene	CBZ	Ave	7067 654076	35459	62548	176345	328634	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichloropropane	CBZ	Ave	10903 1032784	52001	93495	267194	515568	1.00 100	5.00	10.0	25.0	50.0
2-Hexanone	CBZ	Ave	25319 2448129	130714	276845	671486	1334165	5.00 500	25.0	50.0	125	250
Dibromochloromethane	CBZ	Ave	4997 614962	25965	48424	148305	294517	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromoethane	CBZ	Ave	5654 591611	29102	52677	153436	296632	1.00 100	5.00	10.0	25.0	50.0
Chlorobenzene	CBZ	Ave	20527 1828882	95888	168262	484726	911615	1.00 100	5.00	10.0	25.0	50.0
Ethylbenzene	CBZ	Ave	32974 2980916	162455	283380	793556	1522817	1.00 100	5.00	10.0	25.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	5432 559015	28311	50951	149229	288027	1.00 100	5.00	10.0	25.0	50.0
m,p-Xylene	CBZ	Ave	25711 2329553	130441	223653	636265	1210064	2.00 200	10.0	20.0	50.0	100
o-Xylene	CBZ	Ave	12211 1171609	61248	109429	312453	601186	1.00 100	5.00	10.0	25.0	50.0
Styrene	CBZ	Ave	20382 2065825	104107	187355	544539	1058526	1.00 100	5.00	10.0	25.0	50.0
Bromoform	CBZ	Lin1F	2637 395768	14569	27246	88416	186672	1.00 100	5.00	10.0	25.0	50.0
Isopropylbenzene	DCB	Ave	31943 3023238	159439	279919	799300	1542274	1.00 100	5.00	10.0	25.0	50.0
Bromobenzene	DCB	Ave	8095 746133	39456	70583	199491	383465	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 32019

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2011 14:39 Calibration End Date: 09/20/2011 16:29 Calibration ID: 3899

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,1,2,2-Tetrachloroethane	DCB	Ave	8068 792550	40598	71183	209631	410828	1.00 100	5.00	10.0	25.0	50.0
N-Propylbenzene	DCB	Ave	38728 3579098	192315	339138	966307	1873994	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichloropropane	DCB	Ave	2384 221894	12889	22168	62691	120208	1.00 100	5.00	10.0	25.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Lin1F	5532 858275	33614	79235	210728	418019	5.00 500	25.0	50.0	125	250
2-Chlorotoluene	DCB	Ave	7884 736306	39218	68189	197023	377944	1.00 100	5.00	10.0	25.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	26762 2511974	133955	236532	671309	1295143	1.00 100	5.00	10.0	25.0	50.0
4-Chlorotoluene	DCB	Ave	8275 775663	40811	71575	204427	400699	1.00 100	5.00	10.0	25.0	50.0
tert-Butylbenzene	DCB	Ave	5833 566153	29555	52333	152016	288702	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	26137 2529955	134329	239070	684075	1319251	1.00 100	5.00	10.0	25.0	50.0
sec-Butylbenzene	DCB	Ave	34619 3305830	174367	307345	887354	1701069	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichlorobenzene	DCB	Ave	15822 1338809	77968	136410	381362	722831	1.00 100	5.00	10.0	25.0	50.0
4-Isopropyltoluene	DCB	Ave	29045 2681188	146275	260994	740471	1413640	1.00 100	5.00	10.0	25.0	50.0
1,4-Dichlorobenzene	DCB	Ave	16988 1449085	80238	138650	395656	767559	1.00 100	5.00	10.0	25.0	50.0
n-Butylbenzene	DCB	Ave	25866 2562919	133854	238138	688418	1336833	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichlorobenzene	DCB	Ave	15769 1384192	73797	130849	376819	716450	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Lin1F	1124 155203	5778	11297	37343	75280	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	9996 985620	49450	91010	272784	526904	1.00 100	5.00	10.0	25.0	50.0
Hexachlorobutadiene	DFB	Ave	4769 395556	21198	37763	112080	211793	1.00 100	5.00	10.0	25.0	50.0
Naphthalene	DFB	Ave	26058 2991601	135698	253343	801538	1544049	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichlorobenzene	DFB	Ave	9544 901634	45783	83535	251847	482812	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane-d4 (Surr)	DFB	QuaF	2608 266003	12015	23181	92284	150876	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 32019

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2011 14:39 Calibration End Date: 09/20/2011 16:29 Calibration ID: 3899

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toluene-d8 (Surr)	CBZ	QuaF	15957 1659295	74987	137899	630136	959029	1.00 100	5.00	10.0	25.0	50.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	7039 643075	32991	61009	186620	344174	1.00 100	5.00	10.0	25.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin1F = Linear 1/conc ISTD forced zero
QuaF = Quadratic ISTD forced zero

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6121.D
 Lims ID: STD Client ID:
 Inject. Date: 20-Sep-2011 14:39:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: STD
 Misc. Info.: 480-0006101-003 =480-0006101-003
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 8
 Lims Batch ID: 32019 Lims Sample ID: 3
 Sublist: chrom-S-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S-8260.m
 Last Update: 21-Sep-2011 09:26:40 Calib Date: 20-Sep-2011 19:03:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6133.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 21-Sep-2011 09:26:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.928	4.928	0.0	94	587747	25.0	
* 2 Chlorobenzene-d5	82	7.131	7.131	0.0	82	276224	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.992	8.992	0.0	95	272682	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.630	4.630	0.0	35	2608	0.7361	
\$ 5 Toluene-d8 (Surr)	98	6.011	6.011	0.0	66	15957	0.6738	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.061	8.061	0.0	59	7039	1.02	
10 Dichlorodifluoromethane	85	1.260	1.266	-0.006	1	4593	0.8636	
12 Chloromethane	50	1.394	1.400	-0.006	56	5682	0.9088	
13 Vinyl chloride	62	1.497	1.503	-0.006	25	6066	0.9549	
14 Bromomethane	94	1.759	1.759	0.0	0	1432	0.9391	M
15 Chloroethane	64	1.862	1.881	-0.019	13	3847	1.09	
17 Trichlorofluoromethane	101	2.093	2.100	-0.007	20	3839	0.5743	
20 Acrolein	56	2.489	2.489	0.0	41	5403	21.6	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.562	2.562	0.0	1	4423	0.8652	
22 1,1-Dichloroethene	96	2.550	2.550	0.0	61	6051	1.02	
23 Acetone	43	2.647	2.641	0.006	83	12933	5.70	
25 Iodomethane	142	2.714	2.708	0.006	24	5389	0.9408	
26 Carbon disulfide	76	2.732	2.726	0.006	76	15312	0.9679	
27 Methyl acetate	43	2.909	2.903	0.006	93	9814	1.01	
29 Acetonitrile	40	2.927	2.927	0.0	100	20932	45.6	
30 Methylene Chloride	84	3.030	3.024	0.006	52	8484	1.20	
32 Methyl tert-butyl ether	73	3.170	3.170	0.0	84	18319	0.9647	
34 trans-1,2-Dichloroethene	96	3.170	3.170	0.0	41	6541	1.02	
33 Acrylonitrile	53	3.243	3.243	0.0	79	13661	4.98	
39 1,1-Dichloroethane	63	3.535	3.535	0.0	48	11548	1.05	
37 Vinyl acetate	43	3.590	3.590	0.0	95	45026	4.36	
44 2,2-Dichloropropane	77	3.967	3.967	0.0	50	4726	0.9699	
45 cis-1,2-Dichloroethene	96	3.998	3.998	0.0	25	7089	1.01	
43 2-Butanone (MEK)	43	4.052	4.040	0.012	95	18399	5.09	
48 Chlorobromomethane	128	4.186	4.192	-0.006	71	3488	1.03	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.223	4.211	0.012	83	12032	5.03	
50 Chloroform	83	4.247	4.253	-0.006	61	13018	1.20	
51 1,1,1-Trichloroethane	97	4.344	4.344	0.0	57	7278	1.01	
52 Cyclohexane	56	4.338	4.344	-0.006	66	10983	0.9863	
55 Carbon tetrachloride	117	4.448	4.448	0.0	63	6612	0.9580	
54 1,1-Dichloropropene	75	4.460	4.460	0.0	56	9016	1.04	
57 Benzene	78	4.630	4.630	0.0	91	28304	1.05	
58 1,2-Dichloroethane	62	4.685	4.685	0.0	50	8113	1.02	
62 Trichloroethene	95	5.105	5.105	0.0	71	6599	1.02	
64 Methylcyclohexane	83	5.196	5.196	0.0	68	11469	0.9779	
65 1,2-Dichloropropane	63	5.300	5.306	-0.006	61	6632	1.02	
67 Dibromomethane	93	5.403	5.403	0.0	74	3697	0.99	
68 Dichlorobromomethane	83	5.519	5.519	0.0	60	7531	1.00	
69 2-Chloroethyl vinyl ether	63	5.738	5.738	0.0	81	20766	4.68	
72 cis-1,3-Dichloropropene	75	5.841	5.841	0.0	54	8863	0.8907	
73 4-Methyl-2-pentanone (MIBK)	43	5.963	5.963	0.0	92	34536	4.73	
74 Toluene	92	6.060	6.060	0.0	83	18873	1.08	
77 trans-1,3-Dichloropropene	75	6.273	6.273	0.0	62	8188	0.9099	
75 Ethyl methacrylate	69	6.303	6.303	0.0	47	7176	0.7995	
79 1,1,2-Trichloroethane	83	6.419	6.419	0.0	60	5093	1.02	
81 Tetrachloroethene	166	6.455	6.455	0.0	71	7067	1.02	
82 1,3-Dichloropropane	76	6.541	6.541	0.0	61	10903	1.03	
80 2-Hexanone	43	6.595	6.589	0.006	92	25319	4.73	
83 Chlorodibromomethane	129	6.717	6.717	0.0	34	4997	0.8884	
84 Ethylene Dibromide	107	6.802	6.802	0.0	41	5654	0.9559	
87 Chlorobenzene	112	7.149	7.149	0.0	70	20527	1.07	
88 Ethylbenzene	91	7.216	7.216	0.0	83	32974	1.04	
89 1,1,1,2-Tetrachloroethane	131	7.222	7.222	0.0	13	5432	0.9519	
90 m-Xylene & p-Xylene	106	7.307	7.307	0.0	97	25711	2.05	
91 o-Xylene	106	7.623	7.623	0.0	83	12211	1.00	
92 Styrene	104	7.648	7.648	0.0	81	20382	0.9687	
95 Bromoform	173	7.830	7.836	-0.006	33	2637	0.6818	
94 Isopropylbenzene	105	7.909	7.909	0.0	79	31943	1.02	
101 Bromobenzene	156	8.183	8.183	0.0	74	8095	1.04	
97 1,1,2,2-Tetrachloroethane	83	8.214	8.214	0.0	38	8068	1.00	
99 N-Propylbenzene	91	8.238	8.244	-0.006	94	38728	1.03	
100 1,2,3-Trichloropropane	110	8.250	8.250	0.0	54	2384	0.9861	
98 trans-1,4-Dichloro-2-butene	53	8.262	8.256	0.006	67	5532	3.19	
103 2-Chlorotoluene	126	8.329	8.329	0.0	83	7884	1.03	
102 1,3,5-Trimethylbenzene	105	8.378	8.384	-0.006	78	26762	1.02	
105 4-Chlorotoluene	126	8.414	8.414	0.0	79	8275	1.03	
106 tert-Butylbenzene	134	8.646	8.645	0.001	74	5833	1.00	
107 1,2,4-Trimethylbenzene	105	8.688	8.688	0.0	53	26137	0.99	
109 sec-Butylbenzene	105	8.822	8.822	0.0	74	34619	1.01	
111 1,3-Dichlorobenzene	146	8.938	8.938	0.0	53	15822	1.06	
110 4-Isopropyltoluene	119	8.938	8.938	0.0	86	29045	1.02	
113 1,4-Dichlorobenzene	146	9.017	9.011	0.007	71	16988	1.09	
115 n-Butylbenzene	91	9.278	9.278	0.0	82	25866	0.9788	
116 1,2-Dichlorobenzene	146	9.327	9.327	0.0	83	15769	1.07	
117 1,2-Dibromo-3-Chloropropane	75	10.002	9.996	0.006	1	1124	0.7284	
119 1,2,4-Trichlorobenzene	180	10.647	10.647	0.0	50	9996	0.9808	
120 Hexachlorobutadiene	225	10.750	10.750	0.0	44	4769	1.11	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.860	10.860	0.0	74	26058	0.9000	
122 1,2,3-Trichlorobenzene	180	11.049	11.049	0.0	59	9544	1.01	
S 123 Total BTEX	1				0		6.22	
S 124 Xylenes, Total	1				0		3.05	
S 125 1,2-Dichloroethene, Total	1				0		2.03	
S 126 1,3-Dichloropropene, Total	1				0		1.80	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 21-Sep-2011 09:26:40

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6121.D

Injection Date: 20-Sep-2011 14:39:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 32019

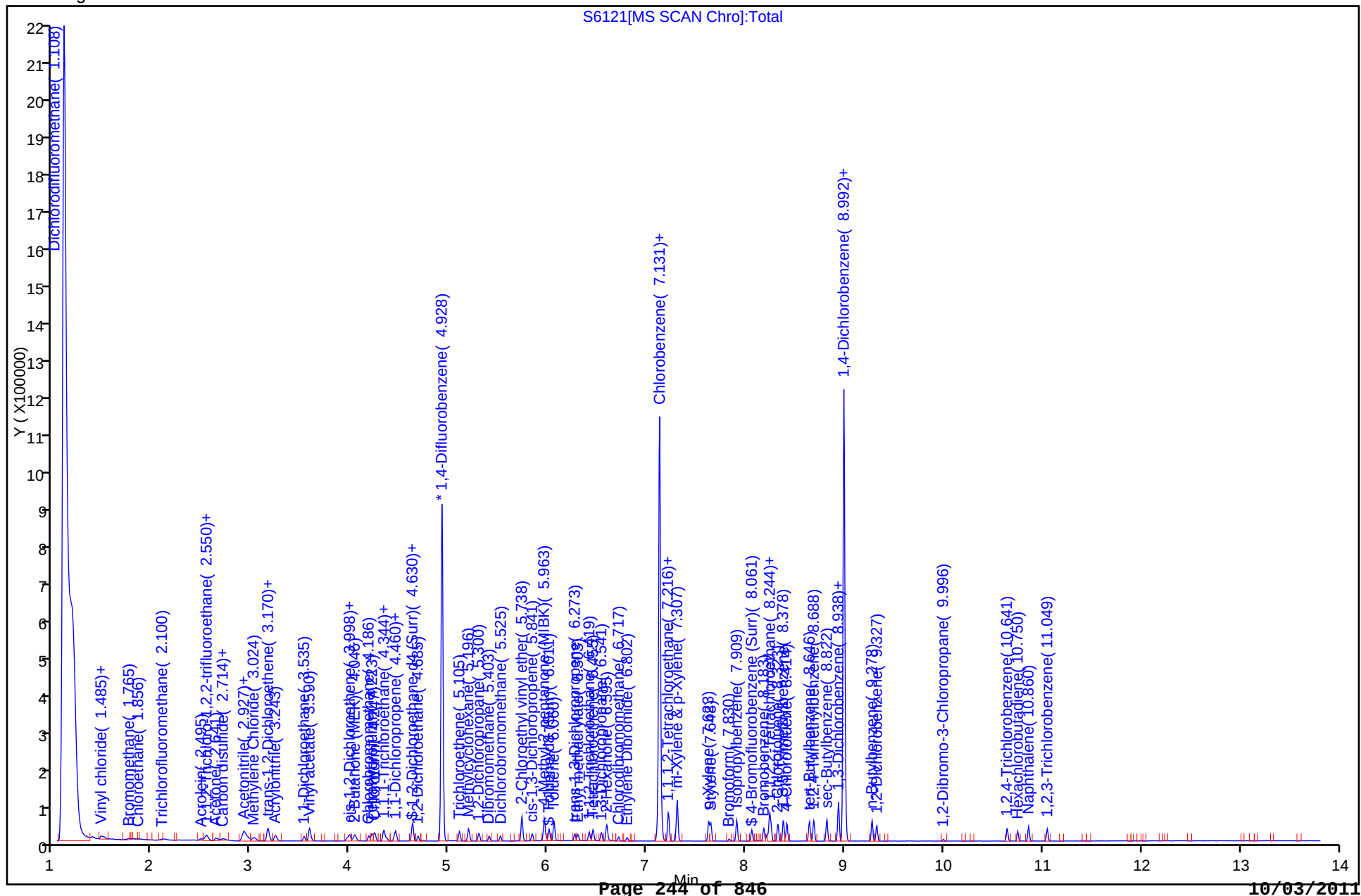
Lims Sample ID: 3

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



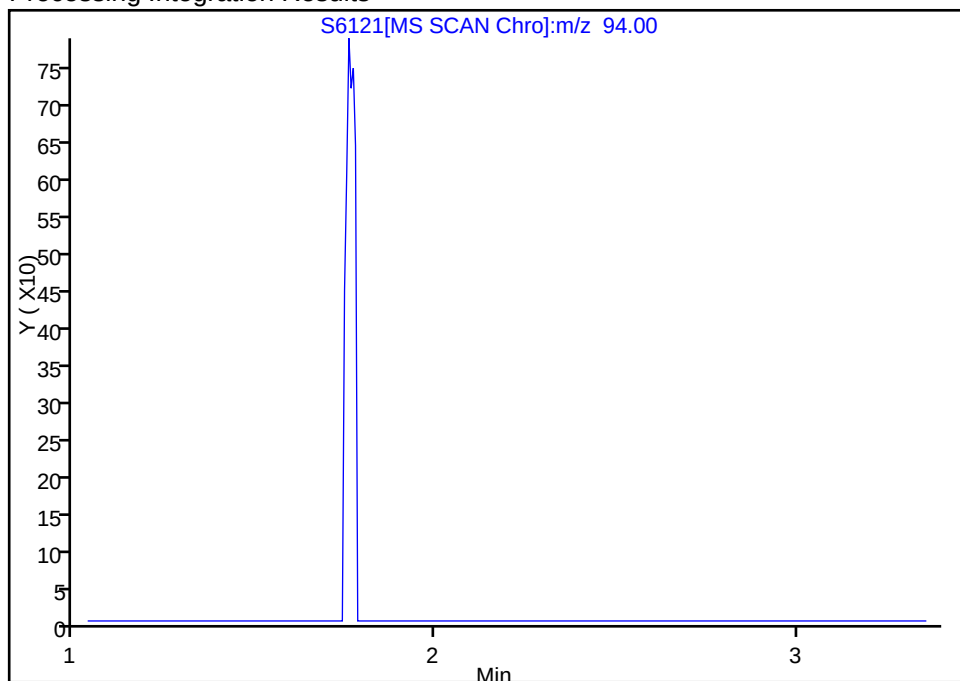
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Injection Date: 20-Sep-2011 14:39:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973S
Lims Batch ID: 32019 Lims Sample ID: 3
Operator ID: DHC
Column Type: ZB-624 Column Dia: 0.25 mm

14 Bromomethane, Signal: 1, m/z: 94.0 Type: quant, RT: 1.76

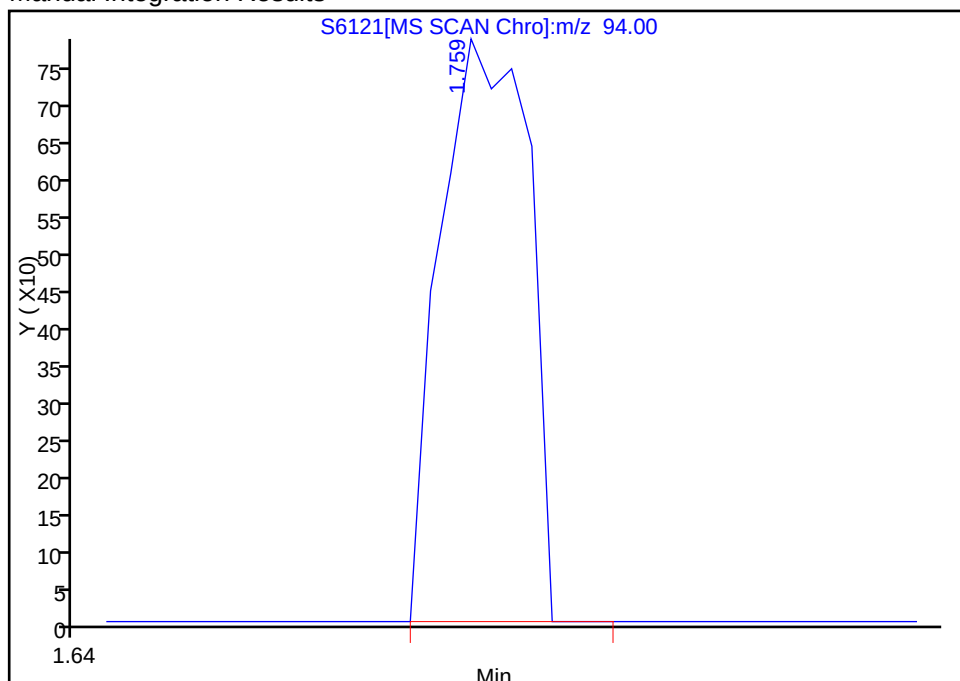
Not Detected

Expected RT: 1.76

Processing Integration Results



Manual Integration Results



RT: 1.76
Response: 1432
Amount: 0.939122

Reviewer: coderd, 21-Sep-2011 09:26:40

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6122.D
 Lims ID: STD-2 Client ID:
 Inject. Date: 20-Sep-2011 15:00:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: STD-2
 Misc. Info.: 480-0006101-004 =480-0006101-004
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 9
 Lims Batch ID: 32019 Lims Sample ID: 4
 Sublist: chrom-S-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S-8260.m
 Last Update: 21-Sep-2011 09:26:53 Calib Date: 20-Sep-2011 19:03:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6133.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 21-Sep-2011 09:26:53

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.929	4.928	0.001	94	582166	25.0	
* 2 Chlorobenzene-d5	82	7.131	7.131	0.0	82	273097	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.992	8.992	0.0	94	271793	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.631	4.630	0.001	41	12015	3.45	
\$ 5 Toluene-d8 (Surr)	98	6.012	6.011	0.001	82	74987	3.23	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.062	8.061	0.001	84	32991	4.84	
10 Dichlorodifluoromethane	85	1.254	1.266	-0.012	66	25957	4.93	
12 Chloromethane	50	1.394	1.400	-0.006	83	31406	5.07	
13 Vinyl chloride	62	1.498	1.503	-0.005	68	32341	5.14	
14 Bromomethane	94	1.771	1.759	0.012	73	8916	5.75	
15 Chloroethane	64	1.887	1.881	0.006	40	18234	5.24	
17 Trichlorofluoromethane	101	2.100	2.100	0.0	62	29800	4.50	
20 Acrolein	56	2.489	2.489	0.0	89	21621	87.2	
22 1,1-Dichloroethene	96	2.550	2.550	0.0	82	28643	4.87	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.550	2.562	-0.012	38	25946	5.12	
23 Acetone	43	2.641	2.641	0.0	96	57167	25.4	
25 Iodomethane	142	2.708	2.708	0.0	62	29487	5.20	
26 Carbon disulfide	76	2.726	2.726	0.0	92	79099	5.05	
27 Methyl acetate	43	2.903	2.903	0.0	94	47958	4.98	
29 Acetonitrile	40	2.927	2.927	0.0	98	93176	205.1	
30 Methylene Chloride	84	3.024	3.024	0.0	73	34644	4.94	
32 Methyl tert-butyl ether	73	3.170	3.170	0.0	90	92360	4.91	
34 trans-1,2-Dichloroethene	96	3.170	3.170	0.0	63	33056	5.22	
33 Acrylonitrile	53	3.243	3.243	0.0	99	67611	24.9	
39 1,1-Dichloroethane	63	3.535	3.535	0.0	70	55033	5.04	
37 Vinyl acetate	43	3.590	3.590	0.0	97	243100	23.8	
44 2,2-Dichloropropane	77	3.967	3.967	0.0	83	24714	5.12	
45 cis-1,2-Dichloroethene	96	3.998	3.998	0.0	64	35291	5.06	
43 2-Butanone (MEK)	43	4.047	4.040	0.007	100	90135	25.2	
48 Chlorobromomethane	128	4.186	4.192	-0.006	87	16803	5.01	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.217	4.211	0.006	88	59110	24.9	
50 Chloroform	83	4.253	4.253	0.0	67	55163	5.14	
51 1,1,1-Trichloroethane	97	4.345	4.344	0.001	80	36831	5.17	
52 Cyclohexane	56	4.345	4.344	0.001	85	56561	5.13	
55 Carbon tetrachloride	117	4.448	4.448	0.0	76	34539	5.05	
54 1,1-Dichloropropene	75	4.460	4.460	0.0	93	44037	5.15	
57 Benzene	78	4.631	4.630	0.001	96	137941	5.16	
58 1,2-Dichloroethane	62	4.685	4.685	0.0	74	39736	5.06	
62 Trichloroethene	95	5.105	5.105	0.0	90	33150	5.18	
64 Methylcyclohexane	83	5.196	5.196	0.0	88	60129	5.18	
65 1,2-Dichloropropane	63	5.306	5.306	0.0	92	32672	5.06	
67 Dibromomethane	93	5.403	5.403	0.0	82	18468	5.00	
68 Dichlorobromomethane	83	5.519	5.519	0.0	89	36145	4.82	
69 2-Chloroethyl vinyl ether	63	5.738	5.738	0.0	91	112118	25.5	
72 cis-1,3-Dichloropropene	75	5.841	5.841	0.0	78	47715	4.84	
73 4-Methyl-2-pentanone (MIBK)	43	5.963	5.963	0.0	95	180383	25.0	
74 Toluene	92	6.060	6.060	0.0	91	87806	5.08	
77 trans-1,3-Dichloropropene	75	6.273	6.273	0.0	84	41801	4.70	
75 Ethyl methacrylate	69	6.304	6.303	0.001	69	41436	4.67	
79 1,1,2-Trichloroethane	83	6.419	6.419	0.0	79	24109	4.86	
81 Tetrachloroethene	166	6.456	6.455	0.001	82	35459	5.19	
82 1,3-Dichloropropane	76	6.541	6.541	0.0	87	52001	4.98	
80 2-Hexanone	43	6.596	6.589	0.007	95	130714	24.7	
83 Chlorodibromomethane	129	6.717	6.717	0.0	79	25965	4.67	
84 Ethylene Dibromide	107	6.802	6.802	0.0	89	29102	4.98	
87 Chlorobenzene	112	7.149	7.149	0.0	84	95888	5.07	
88 Ethylbenzene	91	7.216	7.216	0.0	98	162455	5.20	
89 1,1,1,2-Tetrachloroethane	131	7.222	7.222	0.0	35	28311	5.02	
90 m-Xylene & p-Xylene	106	7.307	7.307	0.0	97	130441	10.5	
91 o-Xylene	106	7.624	7.623	0.001	95	61248	5.08	
92 Styrene	104	7.648	7.648	0.0	94	104107	5.00	
95 Bromoform	173	7.837	7.836	0.001	88	14569	3.81	
94 Isopropylbenzene	105	7.910	7.909	0.001	94	159439	5.12	
101 Bromobenzene	156	8.183	8.183	0.0	90	39456	5.08	
97 1,1,2,2-Tetrachloroethane	83	8.214	8.214	0.0	78	40598	5.04	
99 N-Propylbenzene	91	8.238	8.244	-0.006	77	192315	5.12	
100 1,2,3-Trichloropropane	110	8.250	8.250	0.0	59	12889	5.35	
98 trans-1,4-Dichloro-2-butene	53	8.256	8.256	0.0	80	33614	19.5	
103 2-Chlorotoluene	126	8.323	8.329	-0.006	95	39218	5.13	
102 1,3,5-Trimethylbenzene	105	8.378	8.384	-0.006	68	133955	5.13	
105 4-Chlorotoluene	126	8.421	8.414	0.007	95	40811	5.10	
106 tert-Butylbenzene	134	8.646	8.645	0.001	84	29555	5.09	
107 1,2,4-Trimethylbenzene	105	8.688	8.688	0.0	66	134329	5.11	
109 sec-Butylbenzene	105	8.822	8.822	0.0	91	174367	5.10	
111 1,3-Dichlorobenzene	146	8.938	8.938	0.0	71	77968	5.25	
110 4-Isopropyltoluene	119	8.938	8.938	0.0	96	146275	5.14	
113 1,4-Dichlorobenzene	146	9.011	9.011	0.001	90	80238	5.15	
115 n-Butylbenzene	91	9.278	9.278	0.0	94	133854	5.08	
116 1,2-Dichlorobenzene	146	9.327	9.327	0.0	94	73797	5.04	
117 1,2-Dibromo-3-Chloropropane	75	9.996	9.996	0.0	39	5778	3.76	
119 1,2,4-Trichlorobenzene	180	10.647	10.647	0.0	88	49450	4.87	
120 Hexachlorobutadiene	225	10.751	10.750	0.001	88	21198	4.98	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.860	10.860	0.0	95	135698	4.73	
122 1,2,3-Trichlorobenzene	180	11.049	11.049	0.001	92	45783	4.91	
S 123 Total BTEX	1				0		31.0	
S 124 Xylenes, Total	1				0		15.6	
S 125 1,2-Dichloroethene, Total	1				0		10.3	
S 126 1,3-Dichloropropene, Total	1				0		9.54	

Report Date: 21-Sep-2011 09:26:53

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6122.D

Injection Date: 20-Sep-2011 15:00:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 32019

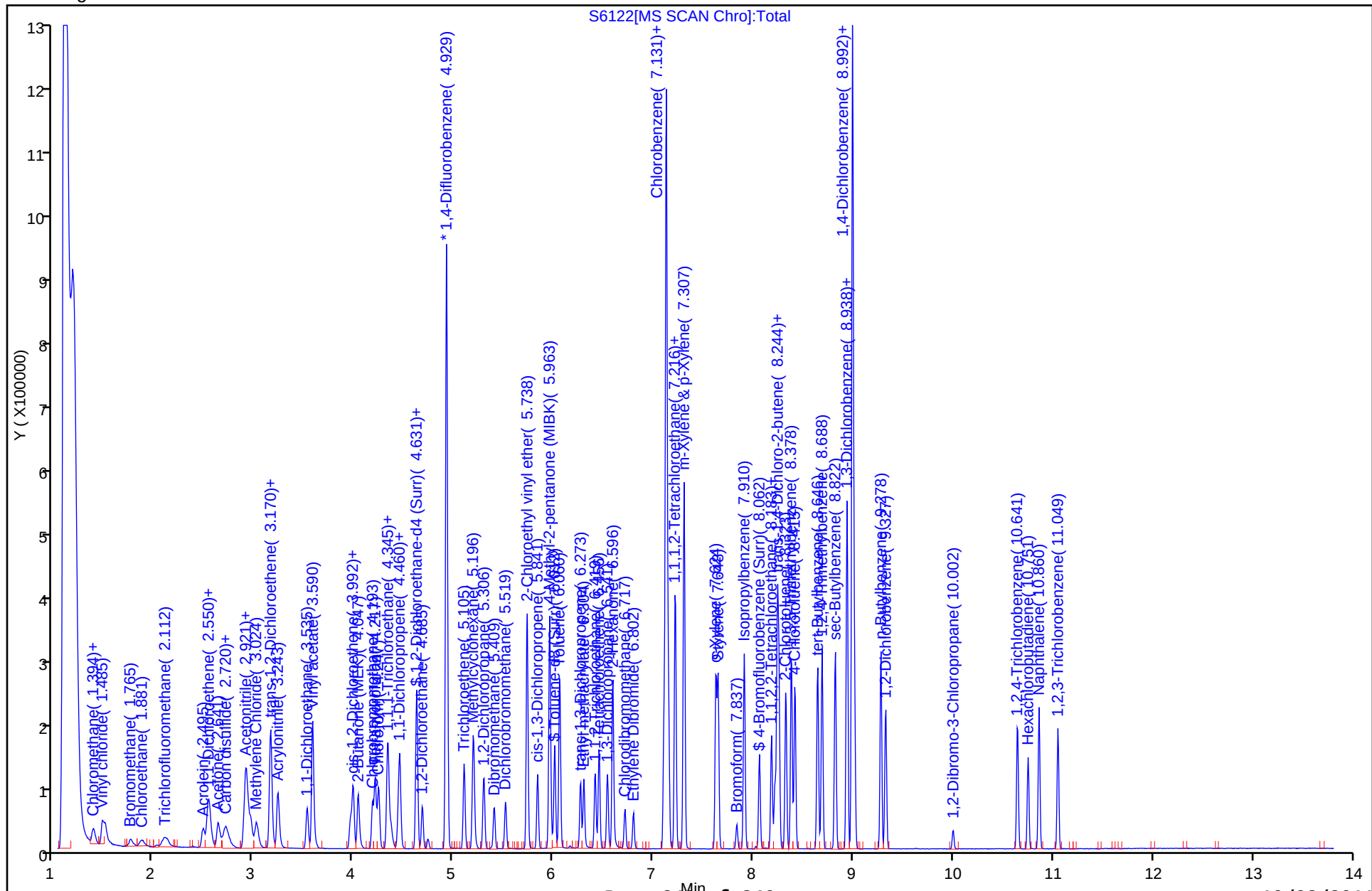
Lims Sample ID: 4

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6123.D
 Lims ID: STD-3 Client ID:
 Inject. Date: 20-Sep-2011 15:23:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: STD-3
 Misc. Info.: 480-0006101-005 =480-0006101-005
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 10
 Lims Batch ID: 32019 Lims Sample ID: 5
 Sublist: chrom-S-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S-8260.m
 Last Update: 21-Sep-2011 09:26:59 Calib Date: 20-Sep-2011 19:03:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6133.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 21-Sep-2011 09:26:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.929	4.928	0.001	94	582977	25.0	
* 2 Chlorobenzene-d5	82	7.131	7.131	0.0	82	268660	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.992	8.992	0.0	94	269382	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.631	4.630	0.001	46	23181	6.69	
\$ 5 Toluene-d8 (Surr)	98	6.012	6.011	0.001	84	137899	6.08	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.062	8.061	0.001	85	61009	9.09	
10 Dichlorodifluoromethane	85	1.260	1.266	-0.006	74	49797	9.44	
12 Chloromethane	50	1.394	1.400	-0.006	89	55563	8.96	
13 Vinyl chloride	62	1.498	1.503	-0.005	79	56227	8.92	
14 Bromomethane	94	1.765	1.759	0.006	75	16593	10.4	
15 Chloroethane	64	1.881	1.881	0.0	67	30052	8.62	
17 Trichlorofluoromethane	101	2.094	2.100	-0.006	73	53744	8.11	
20 Acrolein	56	2.495	2.489	0.006	90	52170	210.2	
22 1,1-Dichloroethene	96	2.550	2.550	0.0	87	54942	9.33	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.550	2.562	-0.012	53	54907	10.8	
23 Acetone	43	2.641	2.641	0.0	100	113781	50.6	
25 Iodomethane	142	2.708	2.708	0.0	77	62473	11.0	
26 Carbon disulfide	76	2.726	2.726	0.0	96	159792	10.2	
27 Methyl acetate	43	2.903	2.903	0.0	96	100766	10.4	
29 Acetonitrile	40	2.927	2.927	0.0	99	180138	396.0	
30 Methylene Chloride	84	3.031	3.024	0.007	79	61896	8.81	
32 Methyl tert-butyl ether	73	3.164	3.170	-0.006	90	199008	10.6	
34 trans-1,2-Dichloroethene	96	3.170	3.170	0.0	57	57459	9.06	
33 Acrylonitrile	53	3.243	3.243	0.0	98	143478	52.7	
39 1,1-Dichloroethane	63	3.536	3.535	0.001	79	99087	9.06	
37 Vinyl acetate	43	3.590	3.590	0.0	97	534390	52.2	
44 2,2-Dichloropropane	77	3.967	3.967	0.0	90	44369	9.18	
45 cis-1,2-Dichloroethene	96	3.992	3.998	-0.006	65	63957	9.15	
43 2-Butanone (MEK)	43	4.047	4.040	0.007	100	185755	51.8	
48 Chlorobromomethane	128	4.193	4.192	0.001	89	30538	9.09	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.211	4.211	0.0	87	123060	51.9	
50 Chloroform	83	4.247	4.253	-0.006	69	94170	8.76	
51 1,1,1-Trichloroethane	97	4.345	4.344	0.001	78	64726	9.07	
52 Cyclohexane	56	4.339	4.344	-0.005	89	116586	10.6	
55 Carbon tetrachloride	117	4.448	4.448	0.0	78	61172	8.94	
54 1,1-Dichloropropene	75	4.460	4.460	0.0	92	77265	9.03	
57 Benzene	78	4.631	4.630	0.001	97	242303	9.05	
58 1,2-Dichloroethane	62	4.685	4.685	0.0	73	71684	9.12	
62 Trichloroethene	95	5.105	5.105	0.0	91	58626	9.15	
64 Methylcyclohexane	83	5.196	5.196	0.0	88	122237	10.5	
65 1,2-Dichloropropane	63	5.300	5.306	-0.006	93	57672	8.91	
67 Dibromomethane	93	5.403	5.403	0.0	91	33288	9.01	
68 Dichlorobromomethane	83	5.519	5.519	0.0	90	66249	8.83	
69 2-Chloroethyl vinyl ether	63	5.738	5.738	0.0	90	233174	52.9	
72 cis-1,3-Dichloropropene	75	5.841	5.841	0.0	88	88979	9.02	
73 4-Methyl-2-pentanone (MIBK)	43	5.963	5.963	0.0	96	380120	53.5	
74 Toluene	92	6.060	6.060	0.0	92	155536	9.14	
77 trans-1,3-Dichloropropene	75	6.273	6.273	0.0	87	76641	8.76	
75 Ethyl methacrylate	69	6.304	6.303	0.001	68	93092	10.7	
79 1,1,2-Trichloroethane	83	6.419	6.419	0.0	84	44470	9.11	
81 Tetrachloroethene	166	6.456	6.455	0.001	79	62548	9.31	
82 1,3-Dichloropropane	76	6.541	6.541	0.0	89	93495	9.11	
80 2-Hexanone	43	6.589	6.589	0.0	96	276845	53.2	
83 Chlorodibromomethane	129	6.717	6.717	0.0	79	48424	8.85	
84 Ethylene Dibromide	107	6.802	6.802	0.0	98	52677	9.16	
87 Chlorobenzene	112	7.149	7.149	0.0	86	168262	9.04	
88 Ethylbenzene	91	7.216	7.216	0.0	98	283380	9.21	
89 1,1,1,2-Tetrachloroethane	131	7.222	7.222	0.0	38	50951	9.18	
90 m-Xylene & p-Xylene	106	7.307	7.307	0.0	97	223653	18.4	
91 o-Xylene	106	7.624	7.623	0.001	96	109429	9.22	
92 Styrene	104	7.648	7.648	0.0	95	187355	9.16	
95 Bromoform	173	7.837	7.836	0.001	92	27246	7.24	
94 Isopropylbenzene	105	7.910	7.909	0.001	94	279919	9.07	
101 Bromobenzene	156	8.183	8.183	0.0	91	70583	9.16	
97 1,1,2,2-Tetrachloroethane	83	8.214	8.214	0.0	77	71183	8.91	
99 N-Propylbenzene	91	8.238	8.244	-0.006	78	339138	9.11	
100 1,2,3-Trichloropropane	110	8.250	8.250	0.0	62	22168	9.28	
98 trans-1,4-Dichloro-2-butene	53	8.256	8.256	0.0	83	79235	46.3	
103 2-Chlorotoluene	126	8.323	8.329	-0.006	94	68189	9.01	
102 1,3,5-Trimethylbenzene	105	8.378	8.384	-0.006	64	236532	9.14	
105 4-Chlorotoluene	126	8.415	8.414	0.001	97	71575	9.02	
106 tert-Butylbenzene	134	8.646	8.645	0.001	84	52333	9.09	
107 1,2,4-Trimethylbenzene	105	8.688	8.688	0.0	67	239070	9.18	
109 sec-Butylbenzene	105	8.822	8.822	0.0	93	307345	9.08	
111 1,3-Dichlorobenzene	146	8.938	8.938	0.0	71	136410	9.27	
110 4-Isopropyltoluene	119	8.938	8.938	0.0	95	260994	9.25	
113 1,4-Dichlorobenzene	146	9.011	9.011	0.001	90	138650	8.97	
115 n-Butylbenzene	91	9.278	9.278	0.0	94	238138	9.12	
116 1,2-Dichlorobenzene	146	9.327	9.327	0.0	95	130849	9.02	
117 1,2-Dibromo-3-Chloropropane	75	10.002	9.996	0.006	66	11297	7.41	
119 1,2,4-Trichlorobenzene	180	10.647	10.647	0.0	92	91010	9.04	
120 Hexachlorobutadiene	225	10.751	10.750	0.001	92	37763	8.86	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.860	10.860	0.0	96	253343	8.82	
122 1,2,3-Trichlorobenzene	180	11.049	11.049	0.001	94	83535	8.94	
S 123 Total BTEX	1				0		55.0	
S 124 Xylenes, Total	1				0		27.6	
S 125 1,2-Dichloroethene, Total	1				0		18.2	
S 126 1,3-Dichloropropene, Total	1				0		17.8	

Report Date: 21-Sep-2011 09:26:59

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6123.D

Injection Date: 20-Sep-2011 15:23:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 32019

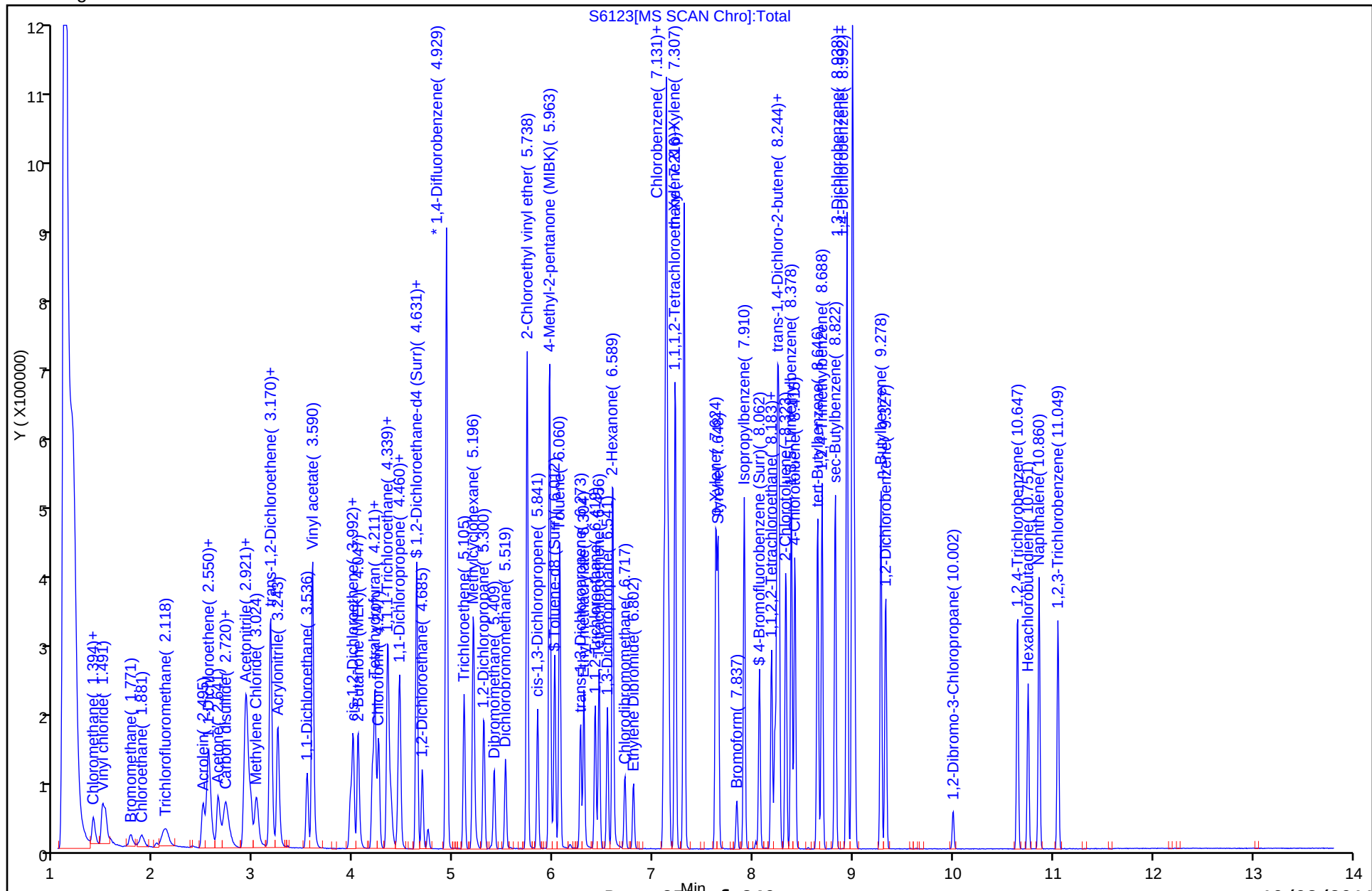
Lims Sample ID: 5

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6124.D
 Lims ID: STD-4 Client ID:
 Inject. Date: 20-Sep-2011 15:45:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 4
 Sample ID: STD-4
 Misc. Info.: 480-0006101-006 =480-0006101-006
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 11
 Lims Batch ID: 32019 Lims Sample ID: 6
 Sublist: chrom-S-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S-8260.m
 Last Update: 21-Sep-2011 09:25:44 Calib Date: 20-Sep-2011 19:03:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6133.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 21-Sep-2011 09:25:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.928	4.928	0.0	94	577531	25.0	
* 2 Chlorobenzene-d5	82	7.131	7.131	0.0	83	271145	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.992	8.992	0.0	93	268804	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.630	4.630	0.0	52	92284	28.3	
\$ 5 Toluene-d8 (Surr)	98	6.011	6.011	0.0	77	630136	29.5	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.061	8.061	0.0	87	186620	27.6	
10 Dichlorodifluoromethane	85	1.266	1.266	0.0	84	137787	26.4	
12 Chloromethane	50	1.400	1.400	0.0	89	160702	26.2	
13 Vinyl chloride	62	1.503	1.503	0.0	83	166240	26.6	
14 Bromomethane	94	1.771	1.771	0.0	85	49795	26.0	
15 Chloroethane	64	1.881	1.881	0.0	94	94010	27.2	
17 Trichlorofluoromethane	101	2.100	2.100	0.0	83	165597	25.2	
20 Acrolein	56	2.489	2.489	0.0	96	111864	454.9	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.550	2.550	0.0	53	122797	23.8	
22 1,1-Dichloroethene	96	2.550	2.550	0.0	90	145951	25.0	
23 Acetone	43	2.641	2.641	0.0	99	269077	120.7	
25 Iodomethane	142	2.708	2.708	0.0	84	150460	26.7	
26 Carbon disulfide	76	2.726	2.726	0.0	97	386302	24.8	
27 Methyl acetate	43	2.903	2.903	0.0	96	236548	24.8	
29 Acetonitrile	40	2.927	2.927	0.0	99	449566	997.5	
30 Methylene Chloride	84	3.024	3.024	0.0	81	173059	24.9	
32 Methyl tert-butyl ether	73	3.170	3.170	0.0	90	467425	25.1	
34 trans-1,2-Dichloroethene	96	3.170	3.170	0.0	64	164173	26.1	
33 Acrylonitrile	53	3.243	3.243	0.0	98	337571	125.2	
39 1,1-Dichloroethane	63	3.535	3.535	0.0	85	281638	26.0	
37 Vinyl acetate	43	3.590	3.590	0.0	97	1310094	129.2	
44 2,2-Dichloropropane	77	3.967	3.967	0.0	92	128082	26.8	
45 cis-1,2-Dichloroethene	96	3.998	3.998	0.0	66	182453	26.3	
43 2-Butanone (MEK)	43	4.040	4.040	0.0	100	439280	123.8	
48 Chlorobromomethane	128	4.192	4.192	0.0	92	87644	26.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.211	4.211	0.0	87	291735	124.1	
50 Chloroform	83	4.253	4.253	0.0	68	263916	24.8	
51 1,1,1-Trichloroethane	97	4.344	4.344	0.0	90	185540	26.2	
52 Cyclohexane	56	4.344	4.344	0.0	89	267856	24.5	
55 Carbon tetrachloride	117	4.448	4.448	0.0	80	178598	26.3	
54 1,1-Dichloropropene	75	4.460	4.460	0.0	95	218815	25.8	
57 Benzene	78	4.630	4.630	0.0	96	685548	25.9	
58 1,2-Dichloroethane	62	4.685	4.685	0.0	73	203924	26.2	
62 Trichloroethene	95	5.105	5.105	0.0	93	163864	25.8	
64 Methylcyclohexane	83	5.196	5.196	0.0	88	282699	24.5	
65 1,2-Dichloropropane	63	5.306	5.306	0.0	95	168540	26.3	
67 Dibromomethane	93	5.403	5.403	0.0	90	98117	26.8	
68 Dichlorobromomethane	83	5.519	5.519	0.0	93	197405	26.5	
69 2-Chloroethyl vinyl ether	63	5.738	5.738	0.0	91	549196	125.9	
72 cis-1,3-Dichloropropene	75	5.841	5.841	0.0	91	267242	27.3	
73 4-Methyl-2-pentanone (MIBK)	43	5.963	5.963	0.0	96	913355	127.3	
74 Toluene	92	6.060	6.060	0.0	89	442677	25.8	
77 trans-1,3-Dichloropropene	75	6.273	6.273	0.0	88	238736	27.0	
75 Ethyl methacrylate	69	6.303	6.303	0.0	69	226124	25.7	
79 1,1,2-Trichloroethane	83	6.419	6.419	0.0	85	130400	26.5	
81 Tetrachloroethene	166	6.455	6.455	0.0	79	176345	26.0	
82 1,3-Dichloropropane	76	6.541	6.541	0.0	89	267194	25.8	
80 2-Hexanone	43	6.589	6.589	0.0	96	671486	127.8	
83 Chlorodibromomethane	129	6.717	6.717	0.0	86	148305	26.9	
84 Ethylene Dibromide	107	6.802	6.802	0.0	98	153436	26.4	
87 Chlorobenzene	112	7.149	7.149	0.0	86	484726	25.8	
88 Ethylbenzene	91	7.216	7.216	0.0	98	793556	25.6	
89 1,1,1,2-Tetrachloroethane	131	7.222	7.222	0.0	40	149229	26.6	
90 m-Xylene & p-Xylene	106	7.307	7.307	0.0	98	636265	51.8	
91 o-Xylene	106	7.623	7.623	0.0	96	312453	26.1	
92 Styrene	104	7.648	7.648	0.0	95	544539	26.4	
95 Bromoform	173	7.836	7.836	0.0	95	88416	23.3	
94 Isopropylbenzene	105	7.909	7.909	0.0	95	799300	26.0	
101 Bromobenzene	156	8.183	8.183	0.0	92	199491	25.9	
97 1,1,2,2-Tetrachloroethane	83	8.214	8.214	0.0	78	209631	26.3	
99 N-Propylbenzene	91	8.244	8.244	0.0	75	966307	26.0	
100 1,2,3-Trichloropropane	110	8.250	8.250	0.0	59	62691	26.3	
98 trans-1,4-Dichloro-2-butene	53	8.256	8.256	0.0	82	210728	123.4	
103 2-Chlorotoluene	126	8.329	8.329	0.0	95	197023	26.1	
102 1,3,5-Trimethylbenzene	105	8.384	8.384	0.0	64	671309	26.0	
105 4-Chlorotoluene	126	8.414	8.414	0.0	97	204427	25.8	
106 tert-Butylbenzene	134	8.645	8.645	0.0	85	152016	26.5	
107 1,2,4-Trimethylbenzene	105	8.688	8.688	0.0	69	684075	26.3	
109 sec-Butylbenzene	105	8.822	8.822	0.0	94	887354	26.3	
111 1,3-Dichlorobenzene	146	8.938	8.938	0.0	71	381362	26.0	
110 4-Isopropyltoluene	119	8.938	8.938	0.0	95	740471	26.3	
113 1,4-Dichlorobenzene	146	9.011	9.011	0.0	91	395656	25.7	
115 n-Butylbenzene	91	9.278	9.278	0.0	95	688418	26.4	
116 1,2-Dichlorobenzene	146	9.327	9.327	0.0	92	376819	26.0	
117 1,2-Dibromo-3-Chloropropane	75	9.996	9.996	0.0	72	37343	24.5	
119 1,2,4-Trichlorobenzene	180	10.647	10.647	0.0	90	272784	27.2	
120 Hexachlorobutadiene	225	10.750	10.750	0.0	96	112080	26.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.860	10.860	0.0	97	801538	28.2	
122 1,2,3-Trichlorobenzene	180	11.049	11.049	0.0	93	251847	27.2	
S 123 Total BTEX	1				0		155.1	
S 124 Xylenes, Total	1				0		77.9	
S 125 1,2-Dichloroethene, Total	1				0		52.5	
S 126 1,3-Dichloropropene, Total	1				0		54.4	

Report Date: 21-Sep-2011 09:25:44

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6124.D

Injection Date: 20-Sep-2011 15:45:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 32019

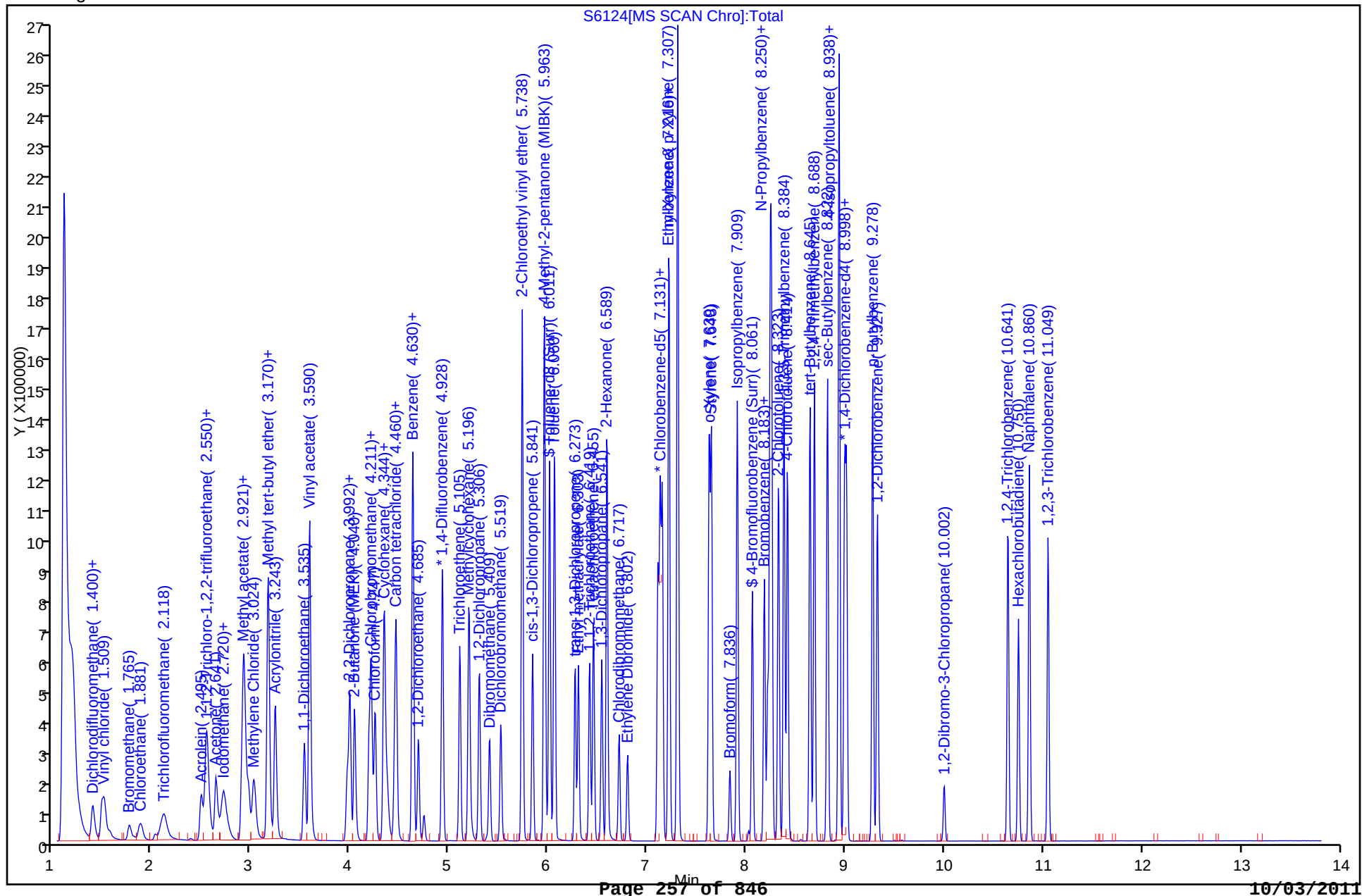
Lims Sample ID: 6

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6125.D
 Lims ID: STD-5 Client ID:
 Inject. Date: 20-Sep-2011 16:07:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: STD-5
 Misc. Info.: 480-0006101-007 =480-0006101-007
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 32019 Lims Sample ID: 7
 Sublist: chrom-S-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S-8260.m
 Last Update: 21-Sep-2011 09:27:08 Calib Date: 20-Sep-2011 19:03:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6133.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 21-Sep-2011 09:27:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.929	4.928	0.001	94	575794	25.0	
* 2 Chlorobenzene-d5	82	7.131	7.131	0.0	83	266304	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.992	8.992	0.0	88	270618	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.630	4.630	0.0	49	150876	49.0	
\$ 5 Toluene-d8 (Surr)	98	6.011	6.011	0.0	58	959029	48.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.062	8.061	0.001	86	344174	51.8	
10 Dichlorodifluoromethane	85	1.260	1.266	-0.006	85	273539	52.5	
12 Chloromethane	50	1.400	1.400	0.0	88	326629	53.3	
13 Vinyl chloride	62	1.504	1.503	0.001	80	312715	50.3	
14 Bromomethane	94	1.777	1.759	0.018	90	89732	47.5	
15 Chloroethane	64	1.881	1.881	0.0	94	153655	44.6	
17 Trichlorofluoromethane	101	2.088	2.100	-0.012	83	321247	49.1	
20 Acrolein	56	2.489	2.489	0.0	98	254975	1040.0	
22 1,1-Dichloroethene	96	2.550	2.550	0.0	90	298952	51.4	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.544	2.562	-0.018	58	255798	51.1	
23 Acetone	43	2.641	2.641	0.0	99	529103	238.1	
25 Iodomethane	142	2.714	2.708	0.006	53	246444	43.9	
26 Carbon disulfide	76	2.726	2.726	0.0	98	777277	50.2	
27 Methyl acetate	43	2.903	2.903	0.0	96	479827	50.4	
29 Acetonitrile	40	2.927	2.927	0.0	99	848559	1888.5	
30 Methylene Chloride	84	3.024	3.024	0.0	80	333031	48.0	
32 Methyl tert-butyl ether	73	3.164	3.170	-0.006	90	943057	50.7	
34 trans-1,2-Dichloroethene	96	3.170	3.170	0.0	64	315249	50.3	
33 Acrylonitrile	53	3.237	3.243	-0.006	98	672165	250.0	
39 1,1-Dichloroethane	63	3.535	3.535	0.0	85	539154	49.9	
37 Vinyl acetate	43	3.590	3.590	0.0	97	2692897	266.5	
44 2,2-Dichloropropane	77	3.967	3.967	0.0	91	239151	50.1	
45 cis-1,2-Dichloroethene	96	3.998	3.998	0.0	66	350883	50.8	
43 2-Butanone (MEK)	43	4.040	4.040	0.0	98	878074	248.1	
48 Chlorobromomethane	128	4.192	4.192	0.0	92	168017	50.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.211	4.211	0.0	88	588430	251.1	
50 Chloroform	83	4.253	4.253	0.0	68	508090	47.9	
51 1,1,1-Trichloroethane	97	4.345	4.344	0.001	89	352413	50.0	
52 Cyclohexane	56	4.338	4.344	-0.006	89	539424	49.4	
55 Carbon tetrachloride	117	4.448	4.448	0.0	79	344016	50.9	
54 1,1-Dichloropropene	75	4.460	4.460	0.0	94	418887	49.5	
57 Benzene	78	4.630	4.630	0.0	96	1319350	49.9	
58 1,2-Dichloroethane	62	4.685	4.685	0.0	74	391276	50.4	
62 Trichloroethene	95	5.105	5.105	0.0	93	315698	49.9	
64 Methylcyclohexane	83	5.196	5.196	0.0	89	568903	49.5	
65 1,2-Dichloropropane	63	5.306	5.306	0.0	96	322686	50.5	
67 Dibromomethane	93	5.403	5.403	0.0	87	186463	51.1	
68 Dichlorobromomethane	83	5.519	5.519	0.0	94	383452	51.7	
69 2-Chloroethyl vinyl ether	63	5.738	5.738	0.0	90	1109436	255.1	
72 cis-1,3-Dichloropropene	75	5.841	5.841	0.0	90	519047	53.2	
73 4-Methyl-2-pentanone (MIBK)	43	5.963	5.963	0.0	95	1813746	257.4	
74 Toluene	92	6.066	6.060	0.006	89	829242	49.2	
77 trans-1,3-Dichloropropene	75	6.273	6.273	0.0	88	469924	54.2	
75 Ethyl methacrylate	69	6.303	6.303	0.0	69	481433	55.6	
79 1,1,2-Trichloroethane	83	6.419	6.419	0.0	85	247445	51.2	
81 Tetrachloroethene	166	6.456	6.455	0.001	79	328634	49.3	
82 1,3-Dichloropropane	76	6.541	6.541	0.0	89	515568	50.7	
80 2-Hexanone	43	6.589	6.589	0.0	79	1334165	258.5	
83 Chlorodibromomethane	129	6.717	6.717	0.0	87	294517	54.3	
84 Ethylene Dibromide	107	6.802	6.802	0.0	98	296632	52.0	
87 Chlorobenzene	112	7.149	7.149	0.0	87	911615	49.4	
88 Ethylbenzene	91	7.216	7.216	0.0	98	1522817	49.9	
89 1,1,1,2-Tetrachloroethane	131	7.222	7.222	0.0	39	288027	52.4	
90 m-Xylene & p-Xylene	106	7.307	7.307	0.0	97	1210064	100.3	
91 o-Xylene	106	7.624	7.623	0.001	97	601186	51.1	
92 Styrene	104	7.648	7.648	0.0	95	1058526	52.2	
95 Bromoform	173	7.837	7.836	0.001	95	186672	50.1	
94 Isopropylbenzene	105	7.910	7.909	0.001	95	1542274	49.7	
101 Bromobenzene	156	8.183	8.183	0.0	93	383465	49.5	
97 1,1,2,2-Tetrachloroethane	83	8.214	8.214	0.0	78	410828	51.2	
99 N-Propylbenzene	91	8.238	8.244	-0.006	77	1873994	50.1	
100 1,2,3-Trichloropropane	110	8.250	8.250	0.0	58	120208	50.1	
98 trans-1,4-Dichloro-2-butene	53	8.256	8.256	0.0	81	418019	243.2	
103 2-Chlorotoluene	126	8.329	8.329	0.0	97	377944	49.7	
102 1,3,5-Trimethylbenzene	105	8.384	8.384	0.0	64	1295143	49.8	
105 4-Chlorotoluene	126	8.421	8.414	0.007	96	400699	50.3	
106 tert-Butylbenzene	134	8.646	8.645	0.001	90	288702	49.9	
107 1,2,4-Trimethylbenzene	105	8.688	8.688	0.0	69	1319251	50.4	
109 sec-Butylbenzene	105	8.822	8.822	0.0	94	1701069	50.0	
111 1,3-Dichlorobenzene	146	8.938	8.938	0.0	71	722831	48.9	
110 4-Isopropyltoluene	119	8.938	8.938	0.0	95	1413640	49.8	
113 1,4-Dichlorobenzene	146	9.017	9.011	0.007	96	767559	49.5	
115 n-Butylbenzene	91	9.278	9.278	0.0	95	1336833	51.0	
116 1,2-Dichlorobenzene	146	9.327	9.327	0.0	92	716450	49.2	
117 1,2-Dibromo-3-Chloropropane	75	10.002	9.996	0.006	85	75280	49.2	
119 1,2,4-Trichlorobenzene	180	10.647	10.647	0.0	93	526904	52.1	
120 Hexachlorobutadiene	225	10.751	10.750	0.001	96	211793	50.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.860	10.860	0.0	97	1544049	54.4	
122 1,2,3-Trichlorobenzene	180	11.049	11.049	0.001	95	482812	52.3	
S 123 Total BTEX	1				0		300.4	
S 124 Xylenes, Total	1				0		151.4	
S 125 1,2-Dichloroethene, Total	1				0		101.1	
S 126 1,3-Dichloropropene, Total	1				0		107.4	

Report Date: 21-Sep-2011 09:27:08

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6125.D

Injection Date: 20-Sep-2011 16:07:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 32019

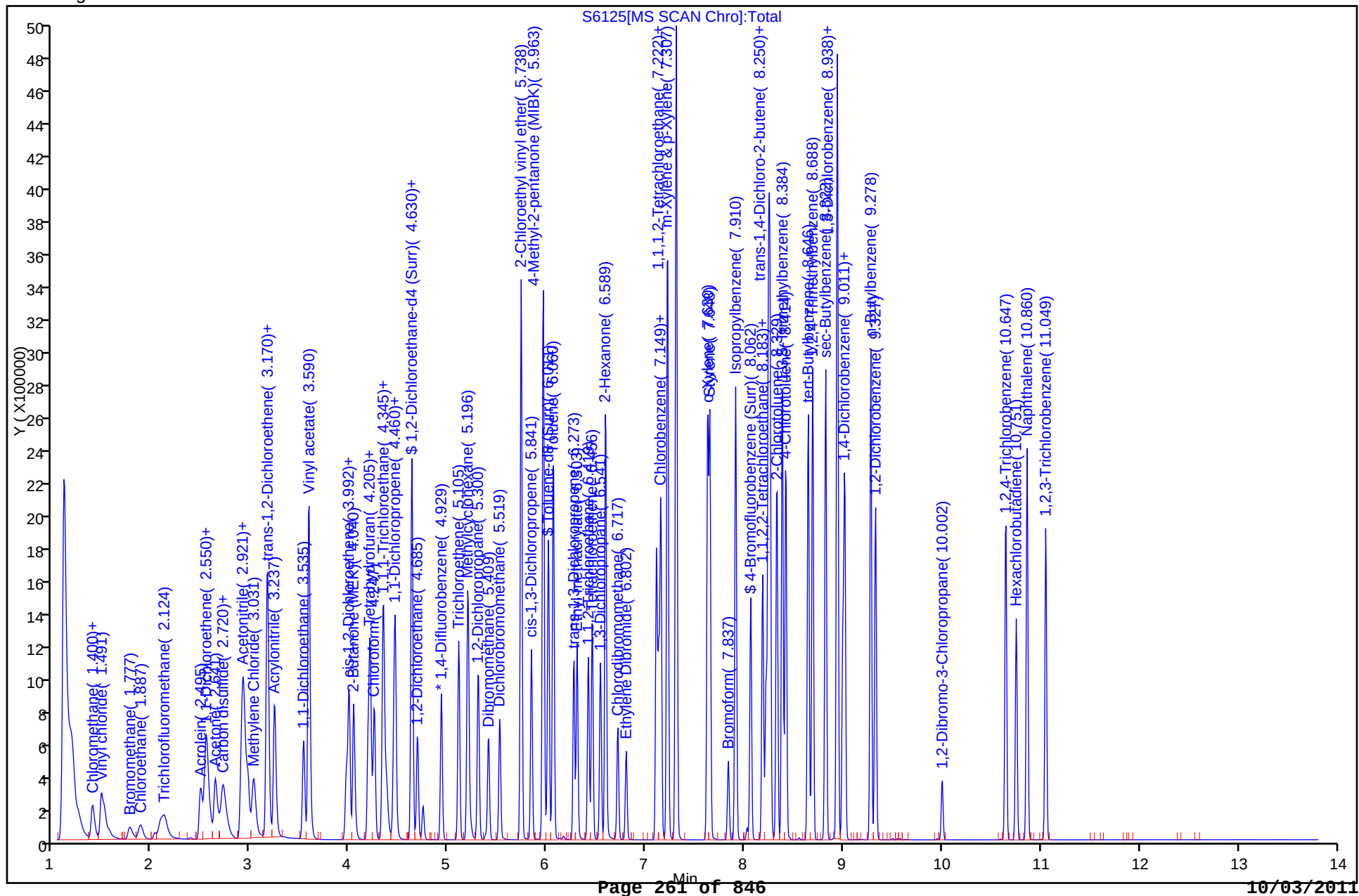
Lims Sample ID: 7

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6126.D
 Lims ID: STD-6 Client ID:
 Inject. Date: 20-Sep-2011 16:29:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: STD-6
 Misc. Info.: 480-0006101-008 =480-0006101-008
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 32019 Lims Sample ID: 8
 Sublist: chrom-S-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S-8260.m
 Last Update: 21-Sep-2011 09:27:11 Calib Date: 20-Sep-2011 19:03:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6133.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 21-Sep-2011 09:27:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.929	4.928	0.001	94	575060	25.0	
* 2 Chlorobenzene-d5	82	7.131	7.131	0.0	83	266836	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.992	8.992	0.0	70	260188	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.630	4.630	0.0	48	266003	100.1	
\$ 5 Toluene-d8 (Surr)	98	6.011	6.011	0.0	57	1659295	100.2	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.062	8.061	0.001	86	643075	96.5	
10 Dichlorodifluoromethane	85	1.266	1.266	0.0	88	573749	110.3	
12 Chloromethane	50	1.400	1.400	0.0	89	653387	106.8	
13 Vinyl chloride	62	1.510	1.503	0.007	67	655221	105.4	
14 Bromomethane	94	1.777	1.759	0.018	90	234440	100.3	
15 Chloroethane	64	1.887	1.881	0.006	95	348737	101.4	
17 Trichlorofluoromethane	101	2.094	2.100	-0.006	87	677342	103.6	
20 Acrolein	56	2.489	2.489	0.0	98	513160	2095.7	
22 1,1-Dichloroethene	96	2.550	2.550	0.0	89	607191	104.5	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.544	2.562	-0.018	59	514013	102.8	
23 Acetone	43	2.641	2.641	0.0	99	1012728	456.3	
25 Iodomethane	142	2.708	2.708	0.0	76	545062	97.3	
26 Carbon disulfide	76	2.726	2.726	0.0	98	1559132	100.7	
27 Methyl acetate	43	2.897	2.903	-0.006	97	905099	95.2	
29 Acetonitrile	40	2.927	2.927	0.0	99	1619124	3608.0	
30 Methylene Chloride	84	3.024	3.024	0.0	80	679054	98.0	
32 Methyl tert-butyl ether	73	3.164	3.170	-0.006	89	1821766	98.1	
34 trans-1,2-Dichloroethene	96	3.170	3.170	0.0	65	611963	97.8	
33 Acrylonitrile	53	3.237	3.243	-0.006	98	1282232	477.4	
39 1,1-Dichloroethane	63	3.535	3.535	0.0	85	1083306	100.4	
37 Vinyl acetate	43	3.590	3.590	0.0	97	5202634	515.5	
44 2,2-Dichloropropane	77	3.967	3.967	0.0	91	484230	101.6	
45 cis-1,2-Dichloroethene	96	3.998	3.998	0.0	66	688363	99.8	
43 2-Butanone (MEK)	43	4.040	4.040	0.0	94	1686799	477.2	
48 Chlorobromomethane	128	4.192	4.192	0.0	91	330126	99.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.205	4.211	-0.006	88	1125833	481.0	
50 Chloroform	83	4.247	4.253	-0.006	69	1004029	94.7	
51 1,1,1-Trichloroethane	97	4.345	4.344	0.001	93	703555	99.9	
52 Cyclohexane	56	4.338	4.344	-0.006	89	1050818	96.4	
55 Carbon tetrachloride	117	4.448	4.448	0.0	78	720603	106.7	
54 1,1-Dichloropropene	75	4.460	4.460	0.0	94	844370	100.0	
57 Benzene	78	4.630	4.630	0.0	96	2590073	98.1	
58 1,2-Dichloroethane	62	4.685	4.685	0.0	74	774879	99.9	
62 Trichloroethene	95	5.105	5.105	0.0	93	631841	99.9	
64 Methylcyclohexane	83	5.196	5.196	0.0	89	1107138	96.5	
65 1,2-Dichloropropane	63	5.306	5.306	0.0	95	651135	102.0	
67 Dibromomethane	93	5.403	5.403	0.0	91	369345	101.3	
68 Dichlorobromomethane	83	5.519	5.519	0.0	91	785841	106.1	
69 2-Chloroethyl vinyl ether	63	5.738	5.738	0.0	91	2082473	479.4	
72 cis-1,3-Dichloropropene	75	5.841	5.841	0.0	91	1052629	108.1	
73 4-Methyl-2-pentanone (MIBK)	43	5.963	5.963	0.0	95	3314853	469.5	
74 Toluene	92	6.066	6.060	0.006	89	1653850	97.8	
77 trans-1,3-Dichloropropene	75	6.273	6.273	0.0	88	965156	111.0	
75 Ethyl methacrylate	69	6.303	6.303	0.0	69	919965	106.1	
79 1,1,2-Trichloroethane	83	6.419	6.419	0.0	85	494136	101.9	
81 Tetrachloroethene	166	6.456	6.455	0.001	87	654076	98.0	
82 1,3-Dichloropropane	76	6.541	6.541	0.0	89	1032784	101.3	
80 2-Hexanone	43	6.589	6.589	0.0	79	2448129	473.4	
83 Chlorodibromomethane	129	6.717	6.717	0.0	87	614962	113.2	
84 Ethylene Dibromide	107	6.802	6.802	0.0	98	591611	103.5	
87 Chlorobenzene	112	7.155	7.149	0.006	88	1828882	98.9	
88 Ethylbenzene	91	7.216	7.216	0.0	98	2980916	97.6	
89 1,1,1,2-Tetrachloroethane	131	7.222	7.222	0.0	39	559015	101.4	
90 m-Xylene & p-Xylene	106	7.307	7.307	0.0	98	2329553	192.6	
91 o-Xylene	106	7.630	7.623	0.007	96	1171609	99.4	
92 Styrene	104	7.648	7.648	0.0	95	2065825	101.6	
95 Bromoform	173	7.837	7.836	0.0	96	395768	105.9	
94 Isopropylbenzene	105	7.910	7.909	0.001	95	3023238	101.4	
101 Bromobenzene	156	8.183	8.183	0.0	94	746133	100.3	
97 1,1,2,2-Tetrachloroethane	83	8.220	8.214	0.006	78	792550	102.7	
99 N-Propylbenzene	91	8.244	8.244	0.0	78	3579098	99.5	
100 1,2,3-Trichloropropane	110	8.250	8.250	0.0	53	221894	96.2	
98 trans-1,4-Dichloro-2-butene	53	8.262	8.256	0.006	85	858275	519.4	
103 2-Chlorotoluene	126	8.329	8.329	0.0	97	736306	100.7	
102 1,3,5-Trimethylbenzene	105	8.384	8.384	0.0	64	2511974	100.4	
105 4-Chlorotoluene	126	8.421	8.414	0.007	97	775663	101.2	
106 tert-Butylbenzene	134	8.646	8.645	0.001	90	566153	101.8	
107 1,2,4-Trimethylbenzene	105	8.688	8.688	0.0	67	2529955	100.6	
109 sec-Butylbenzene	105	8.822	8.822	0.0	94	3305830	101.1	
111 1,3-Dichlorobenzene	146	8.938	8.938	0.0	70	1338809	94.2	
110 4-Isopropyltoluene	119	8.938	8.938	0.0	95	2681188	98.3	
113 1,4-Dichlorobenzene	146	9.017	9.011	0.007	95	1449085	97.1	
115 n-Butylbenzene	91	9.278	9.278	0.0	95	2562919	101.6	
116 1,2-Dichlorobenzene	146	9.327	9.327	0.0	92	1384192	98.8	
117 1,2-Dibromo-3-Chloropropane	75	9.996	9.996	0.0	82	155203	105.4	
119 1,2,4-Trichlorobenzene	180	10.647	10.647	0.0	91	985620	101.4	
120 Hexachlorobutadiene	225	10.751	10.750	0.001	96	395556	94.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.860	10.860	0.0	97	2991601	105.6	
122 1,2,3-Trichlorobenzene	180	11.049	11.049	0.001	94	901634	97.8	
S 123 Total BTEX	1				0		585.6	
S 124 Xylenes, Total	1				0		292.0	
S 125 1,2-Dichloroethene, Total	1				0		197.6	
S 126 1,3-Dichloropropene, Total	1				0		219.2	

Report Date: 21-Sep-2011 09:27:11

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6126.D

Injection Date: 20-Sep-2011 16:29:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 32019

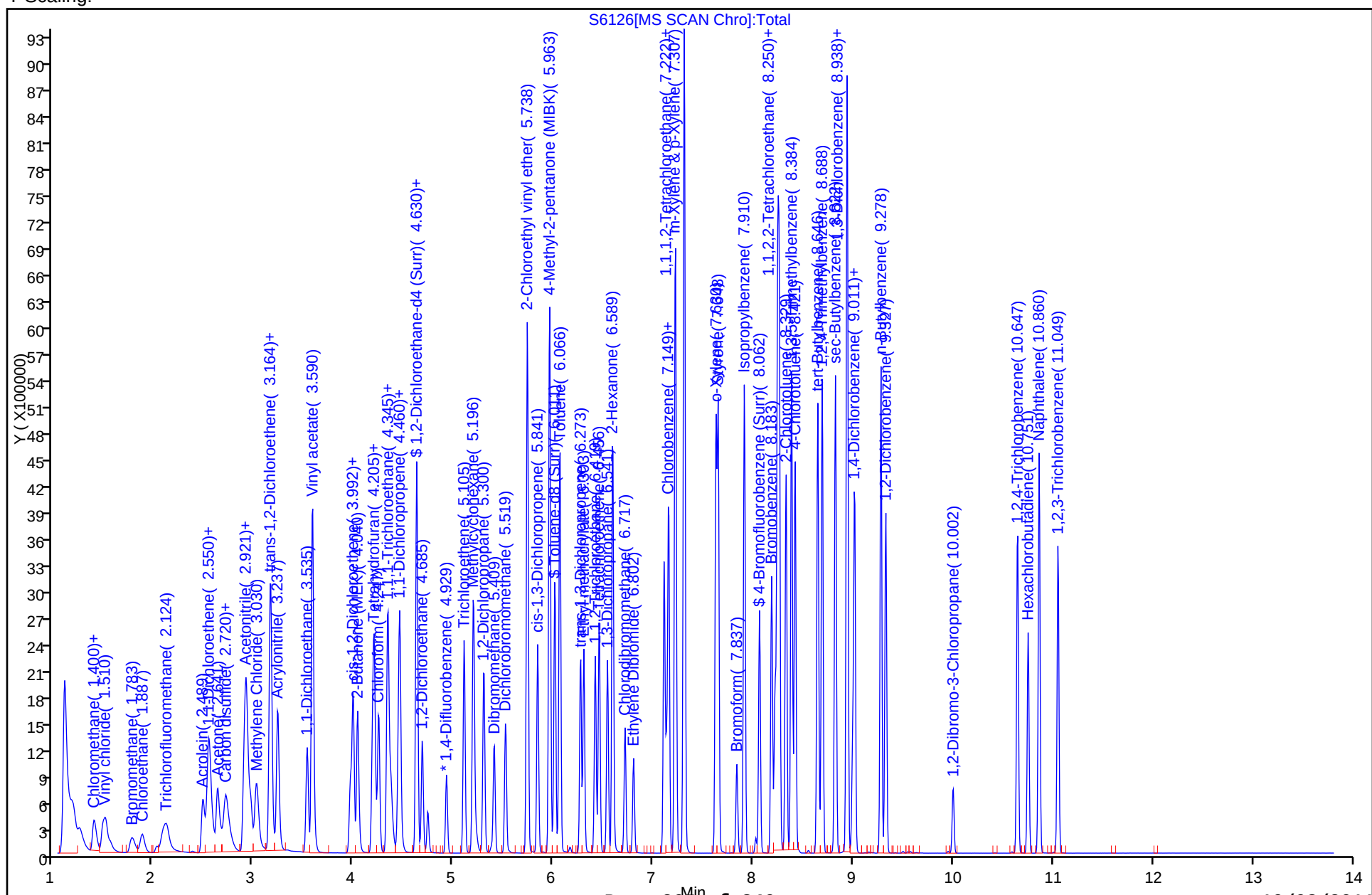
Lims Sample ID: 8

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Lab Sample ID: CCVIS 480-33080/2 Calibration Date: 09/27/2011 18:11

Instrument ID: HP5973F Calib Start Date: 09/01/2011 13:30

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/01/2011 15:38

Lab File ID: F4206.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2499	0.2056		41.1	50.0	-17.8	50.0
Chloromethane	Ave	0.2882	0.2809	0.1000	48.7	50.0	-2.5	50.0
Vinyl chloride	Ave	0.2347	0.2253		48.0	50.0	-4.0	20.0
Bromomethane	QuaF		0.0659		63.3	50.0	26.6	50.0
Chloroethane	Ave	0.0748	0.0826		55.2	50.0	10.4	50.0
Trichlorofluoromethane	Ave	0.2338	0.2607		55.8	50.0	11.5	50.0
Acrolein	Ave	0.0093	0.0101		1080	1000	7.9	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2140	0.2226		52.0	50.0	4.0	50.0
1,1-Dichloroethene	Ave	0.2275	0.2170	0.1000	47.7	50.0	-4.6	20.0
Acetone	Ave	0.1169	0.1175		251	250	0.5	50.0
Iodomethane	Ave	0.3042	0.2901		47.7	50.0	-4.6	50.0
Carbon disulfide	Ave	0.6158	0.5895		47.9	50.0	-4.3	50.0
Methyl acetate	Ave	0.4745	0.4871		51.3	50.0	2.6	50.0
Acetonitrile	Ave	0.0243	0.0261		2150	2000	7.5	50.0
Methylene Chloride	LinF		0.2600		51.2	50.0	2.4	50.0
Methyl tert-butyl ether	Ave	0.8322	0.8064		48.4	50.0	-3.1	50.0
trans-1,2-Dichloroethene	Ave	0.2546	0.2505		49.2	50.0	-1.6	50.0
Acrylonitrile	Ave	0.1255	0.1299		259	250	3.5	50.0
Vinyl acetate	Ave	0.5473	0.5696		260	250	4.1	50.0
1,1-Dichloroethane	Ave	0.4637	0.4632		49.9	50.0	-0.1	50.0
2-Butanone (MEK)	Ave	0.1850	0.1929		261	250	4.3	50.0
2,2-Dichloropropane	Ave	0.3590	0.3351		46.7	50.0	-6.7	50.0
cis-1,2-Dichloroethene	Ave	0.2872	0.2813		49.0	50.0	-2.1	50.0
Bromochloromethane	Ave	0.1556	0.1567		50.3	50.0	0.7	50.0
Tetrahydrofuran	Ave	0.1187	0.1271		268	250	7.1	50.0
Chloroform	Ave	0.4539	0.4370		48.1	50.0	-3.7	20.0
1,1,1-Trichloroethane	Ave	0.3909	0.3681		47.1	50.0	-5.8	50.0
Cyclohexane	Ave	0.4458	0.4632		52.0	50.0	3.9	50.0
1,1-Dichloropropene	Ave	0.3479	0.3365		48.4	50.0	-3.3	50.0
Carbon tetrachloride	Ave	0.3463	0.3368		48.6	50.0	-2.7	50.0
Benzene	Ave	0.998	0.9789		49.0	50.0	-1.9	50.0
1,2-Dichloroethane	Ave	0.4091	0.4005		48.9	50.0	-2.1	50.0
Trichloroethene	Ave	0.2714	0.2610		48.1	50.0	-3.8	50.0
Methylcyclohexane	Ave	0.4197	0.4127		49.2	50.0	-1.7	50.0
1,2-Dichloropropane	Ave	0.2692	0.2658		49.4	50.0	-1.3	20.0
Dibromomethane	Lin1F		0.1655		50.2	50.0	0.4	50.0
Bromodichloromethane	Ave	0.3299	0.3226		48.9	50.0	-2.2	50.0
2-Chloroethyl vinyl ether	Ave	0.1900	0.1981		261	250	4.3	50.0
cis-1,3-Dichloropropene	Ave	0.4236	0.4103		48.4	50.0	-3.1	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7887	0.8352		265	250	5.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Lab Sample ID: CCVIS 480-33080/2 Calibration Date: 09/27/2011 18:11

Instrument ID: HP5973F Calib Start Date: 09/01/2011 13:30

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/01/2011 15:38

Lab File ID: F4206.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene	Ave	1.520	1.425		46.9	50.0	-6.3	20.0
Ethyl methacrylate	Ave	0.8206	0.7753		47.2	50.0	-5.5	50.0
trans-1,3-Dichloropropene	Ave	0.8632	0.8346		48.3	50.0	-3.3	50.0
1,1,2-Trichloroethane	Ave	0.4286	0.4220		49.2	50.0	-1.5	50.0
Tetrachloroethene	Ave	0.6517	0.6166		47.3	50.0	-5.4	50.0
1,3-Dichloropropane	Ave	0.8929	0.8801		49.3	50.0	-1.4	50.0
2-Hexanone	Ave	0.5863	0.6161		263	250	5.1	50.0
Dibromochloromethane	Ave	0.5848	0.6105		52.2	50.0	4.4	50.0
1,2-Dibromoethane	Ave	0.5928	0.5806		49.0	50.0	-2.1	50.0
Chlorobenzene	Ave	1.703	1.655	0.3000	48.6	50.0	-2.8	50.0
Ethylbenzene	Ave	2.750	2.672		48.6	50.0	-2.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5719	0.5791		50.6	50.0	1.3	50.0
m,p-Xylene	Ave	1.134	1.108		97.7	100	-2.3	50.0
o-Xylene	Ave	1.104	1.067		48.3	50.0	-3.3	50.0
Styrene	Ave	1.907	1.839		48.2	50.0	-3.6	50.0
Bromoform	Lin1F		0.3657	0.1000	46.3	50.0	-7.4	50.0
Isopropylbenzene	Ave	2.572	2.390		46.5	50.0	-7.1	50.0
1,1,2,2-Tetrachloroethane	Ave	0.6370	0.6131	0.3000	48.1	50.0	-3.7	50.0
Bromobenzene	Ave	0.6997	0.6638		47.4	50.0	-5.1	50.0
N-Propylbenzene	Ave	2.983	2.857		47.9	50.0	-4.2	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2247	0.2203		245	250	-2.0	50.0
1,2,3-Trichloropropane	Ave	0.2195	0.2122		48.3	50.0	-3.3	50.0
2-Chlorotoluene	Ave	0.6427	0.6064		47.2	50.0	-5.6	50.0
1,3,5-Trimethylbenzene	Ave	2.169	2.036		46.9	50.0	-6.1	50.0
4-Chlorotoluene	Ave	0.6899	0.6419		46.5	50.0	-7.0	50.0
tert-Butylbenzene	Ave	0.4933	0.4581		46.4	50.0	-7.1	50.0
1,2,4-Trimethylbenzene	Ave	2.228	2.069		46.5	50.0	-7.1	50.0
sec-Butylbenzene	Ave	2.745	2.583		47.1	50.0	-5.9	50.0
4-Isopropyltoluene	Ave	2.379	2.247		47.2	50.0	-5.6	50.0
1,3-Dichlorobenzene	Ave	1.334	1.260		47.2	50.0	-5.6	50.0
1,4-Dichlorobenzene	Ave	1.350	1.277		47.3	50.0	-5.4	50.0
n-Butylbenzene	Ave	2.050	1.900		46.3	50.0	-7.3	50.0
1,2-Dichlorobenzene	Ave	1.281	1.180		46.0	50.0	-7.9	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1211	0.1131		46.7	50.0	-6.6	50.0
1,2,4-Trichlorobenzene	Ave	0.8233	0.7234		43.9	50.0	-12.1	50.0
Hexachlorobutadiene	Ave	0.3932	0.3466		44.1	50.0	-11.8	50.0
Naphthalene	Ave	2.309	2.016		43.7	50.0	-12.7	50.0
1,2,3-Trichlorobenzene	Ave	0.7463	0.6648		44.5	50.0	-10.9	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1755	0.1645		46.8	50.0	-6.3	50.0
Toluene-d8 (Surr)	Ave	2.284	2.331		51.0	50.0	2.1	50.0
4-Bromofluorobenzene (Surr)	Ave	0.8003	0.8056		50.3	50.0	0.7	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4206.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 27-Sep-2011 18:11:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0006262-002 =480-0006262-002
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 33080 Lims Sample ID: 2
 Sublist: chrom-F-8260 SOIL*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F-8260 SOIL.m
 Last Update: 27-Sep-2011 18:21:42 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 27-Sep-2011 18:21:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	398302	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	79	185344	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.818	0.0	76	210443	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.428	5.428	0.0	94	65509	46.8	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	432100	51.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.723	9.723	0.0	88	149313	50.3	
10 Dichlorodifluoromethane	85	2.082	2.082	0.0	79	81870	41.1	
12 Chloromethane	50	2.241	2.241	0.0	89	111896	48.7	
13 Vinyl chloride	62	2.362	2.362	0.0	80	89722	48.0	
14 Bromomethane	94	2.648	2.648	0.0	76	26266	63.3	
15 Chloroethane	64	2.727	2.727	0.0	95	32901	55.2	
17 Trichlorofluoromethane	101	2.952	2.952	0.0	94	103845	55.8	
20 Acrolein	56	3.305	3.305	0.0	93	80291	1079.1	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.336	3.336	0.0	90	88670	52.0	
22 1,1-Dichloroethene	96	3.366	3.366	0.0	83	86419	47.7	
23 Acetone	43	3.421	3.421	0.0	96	234000	251.2	
25 Iodomethane	142	3.530	3.530	0.0	97	115564	47.7	
26 Carbon disulfide	76	3.591	3.591	0.0	99	234795	47.9	
27 Methyl acetate	43	3.640	3.640	0.0	92	194001	51.3	
29 Acetonitrile	40	3.676	3.676	0.0	100	415930	2150.2	
30 Methylene Chloride	84	3.761	3.761	0.0	90	103544	51.2	
32 Methyl tert-butyl ether	73	3.920	3.920	0.0	93	321183	48.4	
34 trans-1,2-Dichloroethene	96	3.956	3.956	0.0	92	99766	49.2	
33 Acrylonitrile	53	3.968	3.968	0.0	98	258679	258.7	
37 Vinyl acetate	43	4.273	4.273	0.0	97	1134274	260.2	
39 1,1-Dichloroethane	63	4.297	4.297	0.0	54	184497	49.9	
43 2-Butanone (MEK)	43	4.741	4.741	0.0	98	384197	260.7	
44 2,2-Dichloropropane	77	4.747	4.747	0.0	53	133473	46.7	
45 cis-1,2-Dichloroethene	96	4.759	4.759	0.0	67	112041	49.0	
48 Chlorobromomethane	128	4.966	4.966	0.0	90	62412	50.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
49 Tetrahydrofuran	42	4.984	4.984	0.0	92	253182	267.8	
50 Chloroform	83	5.003	5.003	0.0	85	174068	48.1	
51 1,1,1-Trichloroethane	97	5.149	5.149	0.0	93	146607	47.1	
52 Cyclohexane	56	5.179	5.179	0.0	94	184507	52.0	
54 1,1-Dichloropropene	75	5.270	5.270	0.0	88	134019	48.4	
55 Carbon tetrachloride	117	5.276	5.276	0.0	67	134151	48.6	
57 Benzene	78	5.459	5.459	0.0	98	389893	49.0	
58 1,2-Dichloroethane	62	5.495	5.495	0.0	81	159511	48.9	
62 Trichloroethene	95	5.982	5.982	0.0	95	103954	48.1	
64 Methylcyclohexane	83	6.122	6.122	0.0	95	164393	49.2	
65 1,2-Dichloropropane	63	6.207	6.207	0.0	87	105854	49.4	
67 Dibromomethane	93	6.341	6.341	0.0	87	65913	50.2	
68 Dichlorobromomethane	83	6.450	6.450	0.0	91	128478	48.9	
69 2-Chloroethyl vinyl ether	63	6.651	6.651	0.0	92	394543	260.7	
72 cis-1,3-Dichloropropene	75	6.834	6.834	0.0	78	163428	48.4	
73 4-Methyl-2-pentanone (MIBK)	43	6.931	6.931	0.0	98	774037	264.7	
74 Toluene	92	7.126	7.126	0.0	93	264084	46.9	
75 Ethyl methacrylate	69	7.345	7.345	0.0	82	143703	47.2	
77 trans-1,3-Dichloropropene	75	7.351	7.351	0.0	87	154688	48.3	
79 1,1,2-Trichloroethane	83	7.552	7.552	0.0	87	78222	49.2	
81 Tetrachloroethene	166	7.655	7.655	0.0	95	114275	47.3	
82 1,3-Dichloropropane	76	7.722	7.722	0.0	53	163120	49.3	
80 2-Hexanone	43	7.728	7.728	0.0	95	570951	262.7	
83 Chlorodibromomethane	129	7.965	7.965	0.0	88	113154	52.2	
84 Ethylene Dibromide	107	8.099	8.099	0.0	97	107611	49.0	
87 Chlorobenzene	112	8.549	8.549	0.0	92	306824	48.6	
88 Ethylbenzene	91	8.610	8.610	0.0	57	495178	48.6	
89 1,1,1,2-Tetrachloroethane	131	8.628	8.628	0.0	57	107333	50.6	
90 m-Xylene & p-Xylene	106	8.726	8.726	0.0	98	410869	97.7	
91 o-Xylene	106	9.158	9.158	0.0	94	197745	48.3	
92 Styrene	104	9.182	9.182	0.0	95	340872	48.2	
95 Bromoform	173	9.456	9.456	0.0	94	67772	46.3	
94 Isopropylbenzene	105	9.517	9.517	0.0	94	502859	46.5	
97 1,1,2,2-Tetrachloroethane	83	9.882	9.882	0.0	95	129023	48.1	
101 Bromobenzene	156	9.894	9.894	0.0	90	139700	47.4	
98 trans-1,4-Dichloro-2-butene	53	9.924	9.924	0.0	62	231788	245.1	
99 N-Propylbenzene	91	9.924	9.924	0.0	94	601144	47.9	
100 1,2,3-Trichloropropane	110	9.936	9.936	0.0	41	44664	48.3	
103 2-Chlorotoluene	126	10.052	10.052	0.0	97	127603	47.2	
102 1,3,5-Trimethylbenzene	105	10.082	10.082	0.0	94	428447	46.9	
105 4-Chlorotoluene	126	10.155	10.155	0.0	95	135073	46.5	
106 tert-Butylbenzene	134	10.399	10.399	0.0	91	96407	46.4	
107 1,2,4-Trimethylbenzene	105	10.447	10.447	0.0	61	435489	46.5	
109 sec-Butylbenzene	105	10.599	10.599	0.0	93	543646	47.1	
110 4-Isopropyltoluene	119	10.715	10.715	0.0	97	472761	47.2	
111 1,3-Dichlorobenzene	146	10.758	10.758	0.0	92	265136	47.2	
113 1,4-Dichlorobenzene	146	10.837	10.837	0.0	94	268784	47.3	
115 n-Butylbenzene	91	11.086	11.086	0.0	94	399825	46.3	
116 1,2-Dichlorobenzene	146	11.183	11.183	0.0	97	248242	46.0	
117 1,2-Dibromo-3-Chloropropane	75	11.853	11.853	0.0	69	23810	46.7	
119 1,2,4-Trichlorobenzene	180	12.510	12.510	0.0	95	152223	43.9	
120 Hexachlorobutadiene	225	12.601	12.601	0.0	91	72949	44.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.747	12.747	0.0	97	424223	43.7	
122 1,2,3-Trichlorobenzene	180	12.972	12.972	0.0	93	139900	44.5	
S 125 1,2-Dichloroethene, Total	1				0		98.1	
S 126 1,3-Dichloropropene, Total	1				0		96.8	
S 123 Total BTEX	1				0		290.5	
S 124 Xylenes, Total	1				0		146.0	

Report Date: 27-Sep-2011 18:21:42

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4206.D

Injection Date: 27-Sep-2011 18:11:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 33080

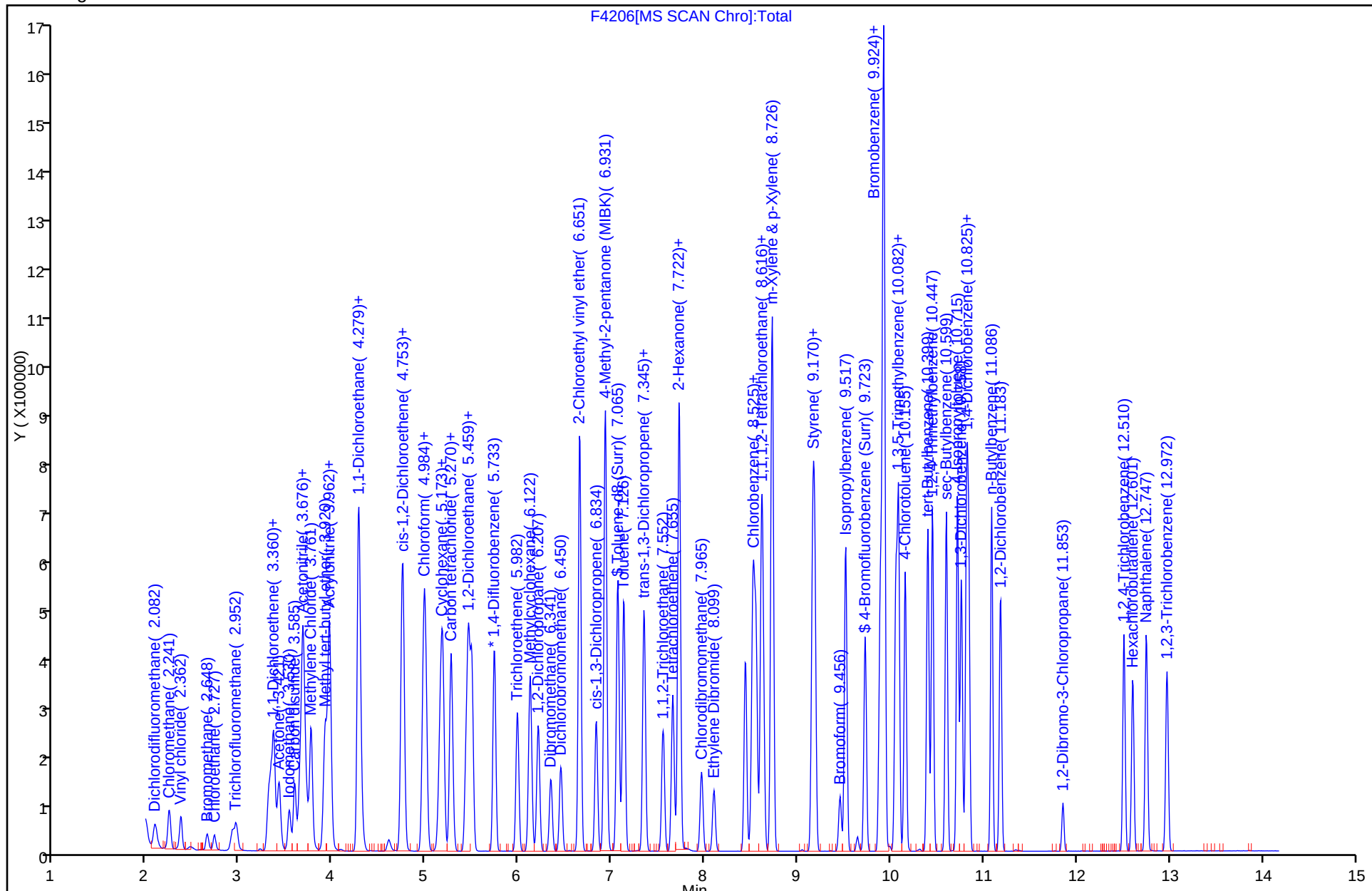
Lims Sample ID: 2

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Lab Sample ID: CCV 480-33080/3 Calibration Date: 09/27/2011 18:46
 Instrument ID: HP5973F Calib Start Date: 08/31/2011 18:44
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 08/31/2011 20:52
 Lab File ID: F4207.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	0.2738	0.2534		46.3	50.0	-7.5	50.0
Dichlorofluoromethane	Ave	0.2992	0.3035		50.7	50.0	1.4	50.0
Ethyl ether	Ave	0.2530	0.2476		48.9	50.0	-2.1	50.0
Isopropyl alcohol	Ave	0.0300	0.0320		1060	1000	6.5	50.0
Allyl chloride	Ave	0.4820	0.4638		48.1	50.0	-3.8	50.0
t-Butyl alcohol	Ave	0.0483	0.0525		1090	1000	8.6	50.0
Hexane	Ave	0.4416	0.4072		46.1	50.0	-7.8	50.0
Isopropyl ether	Ave	1.062	1.057		49.8	50.0	-0.5	50.0
1,1-Dimethoxyethane	Ave	0.0681	0.0641		235	250	-5.9	50.0
Chloroprene	Ave	0.4522	0.4542		50.2	50.0	0.4	50.0
Tert-butyl ethyl ether	Ave	0.9790	0.9092		46.4	50.0	-7.1	50.0
Ethyl acetate	Ave	0.3321	0.3511		52.9	50.0	5.7	50.0
Propionitrile	Ave	0.0514	0.0584		568	500	13.6	50.0
Methacrylonitrile	Ave	0.2300	0.2443		53.1	50.0	6.2	50.0
Isobutyl alcohol	Ave	0.0221	0.0246		2220	2000	11.1	50.0
Tert-amyl methyl ether	Ave	0.8205	0.7499		45.7	50.0	-8.6	50.0
n-Heptane	Ave	0.5152	0.5123		49.7	50.0	-0.6	50.0
n-Butanol	Ave	0.0139	0.0145		2100	2000	4.8	50.0
Methyl methacrylate	Ave	0.3387	0.3409		50.3	50.0	0.7	50.0
1,4-Dioxane	Ave	0.0083	0.0088		2130	2000	6.3	50.0
2-Nitropropane	LinF		0.1876		239	250	-4.6	50.0
Epichlorohydrin	Ave	0.0390	0.0432		1110	1000	11.0	50.0
3-Chlorobenzotrifluoride	Ave	0.8587	0.7889		45.9	50.0	-8.1	50.0
p-Monochlorobenzotrifluoride	Ave	0.8056	0.7698		47.8	50.0	-4.4	50.0
2-Chlorobenzotrifluoride	Ave	0.8243	0.7557		45.8	50.0	-8.3	50.0
Cyclohexanone	Ave	0.0941	0.1196		635	500	27.1	50.0
3-Chlorotoluene	Ave	0.7060	0.6259		44.3	50.0	-11.3	50.0
Pentachloroethane	Ave	0.2427	0.2662		54.8	50.0	9.7	50.0
Dicyclopentadiene	Ave	2.466	2.218		45.0	50.0	-10.1	50.0
1,2,3-Trimethylbenzene	Ave	2.329	2.123		45.6	50.0	-8.9	50.0
1,3,5-Trichlorobenzene	Ave	0.8877	0.8014		45.1	50.0	-9.7	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4207.D
 Lims ID: CCV Client ID:
 Inject. Date: 27-Sep-2011 18:46:30 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: CCV
 Misc. Info.: 480-0006262-003 =480-0006262-003
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 33080 Lims Sample ID: 3
 Sublist: chrom-F-8260 SOIL*sub5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F-8260 SOIL.m
 Last Update: 27-Sep-2011 19:08:09 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 27-Sep-2011 19:08:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	394214	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	83	182861	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.818	0.0	94	203673	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.434	5.434	0.0	96	66676	48.2	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	433391	51.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.729	9.729	0.0	89	149904	51.2	
11 Chlorodifluoromethane	51	2.101	2.101	0.0	77	99884	46.3	
16 Dichlorofluoromethane	67	2.910	2.910	0.0	97	119654	50.7	
18 Ethyl ether	59	3.141	3.141	0.0	96	97620	48.9	
19 Propene oxide	58	3.244	3.244	0.0	86	154263	265.6	
24 Isopropyl alcohol	45	3.506	3.506	0.0	97	252031	1064.9	
28 3-Chloro-1-propene	41	3.652	3.652	0.0	87	182834	48.1	
31 2-Methyl-2-propanol	59	3.816	3.816	0.0	97	413627	1086.2	
35 Hexane	57	4.096	4.096	0.0	95	160539	46.1	
36 Isopropyl ether	45	4.248	4.248	0.0	95	416625	49.8	
38 1,1-Dimethoxyethane	75	4.321	4.321	0.0	67	126317	235.3	
40 2-Chloro-1,3-butadiene	53	4.352	4.352	0.0	93	179048	50.2	
41 Tert-butyl ethyl ether	59	4.534	4.534	0.0	98	358400	46.4	
42 Ethyl acetate	43	4.735	4.735	0.0	98	138418	52.9	
46 Propionitrile	54	4.844	4.844	0.0	99	230108	568.1	
47 Methacrylonitrile	41	4.942	4.942	0.0	95	96298	53.1	
53 Isobutyl alcohol	43	5.319	5.319	0.0	93	387409	2221.8	
56 Tert-amyl methyl ether	73	5.471	5.471	0.0	93	295630	45.7	
59 n-Heptane	43	5.544	5.544	0.0	95	201953	49.7	
60 n-Butanol	56	5.872	5.872	0.0	91	229026	2095.3	
63 Methyl methacrylate	41	6.213	6.213	0.0	91	134394	50.3	
66 1,4-Dioxane	88	6.317	6.317	0.0	96	64218	2125.8	
70 2-Nitropropane	43	6.663	6.663	0.0	98	190996	238.6	
71 Epichlorohydrin	57	6.779	6.779	0.0	98	340802	1109.5	
85 3-Chlorobenzotrifluoride	180	8.440	8.440	0.0	90	160668	45.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
86 4-Chlorobenzotrifluoride	180	8.501	8.501	0.0	83	156794	47.8	
93 2-Chlorobenzotrifluoride	180	9.425	9.425	0.0	95	153912	45.8	
96 Cyclohexanone	55	9.711	9.711	0.0	95	243513	635.4	
104 3-Chlorotoluene	126	10.113	10.113	0.0	96	127478	44.3	
108 Pentachloroethane	167	10.478	10.478	0.0	84	54218	54.8	
114 Dicyclopentadiene	66	10.831	10.831	0.0	96	451684	45.0	
112 1,2,3-Trimethylbenzene	105	10.849	10.849	0.0	96	432307	45.6	
118 1,3,5-Trichlorobenzene	180	11.974	11.974	0.0	95	163219	45.1	

Report Date: 27-Sep-2011 19:08:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4207.D

Injection Date: 27-Sep-2011 18:46:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 33080

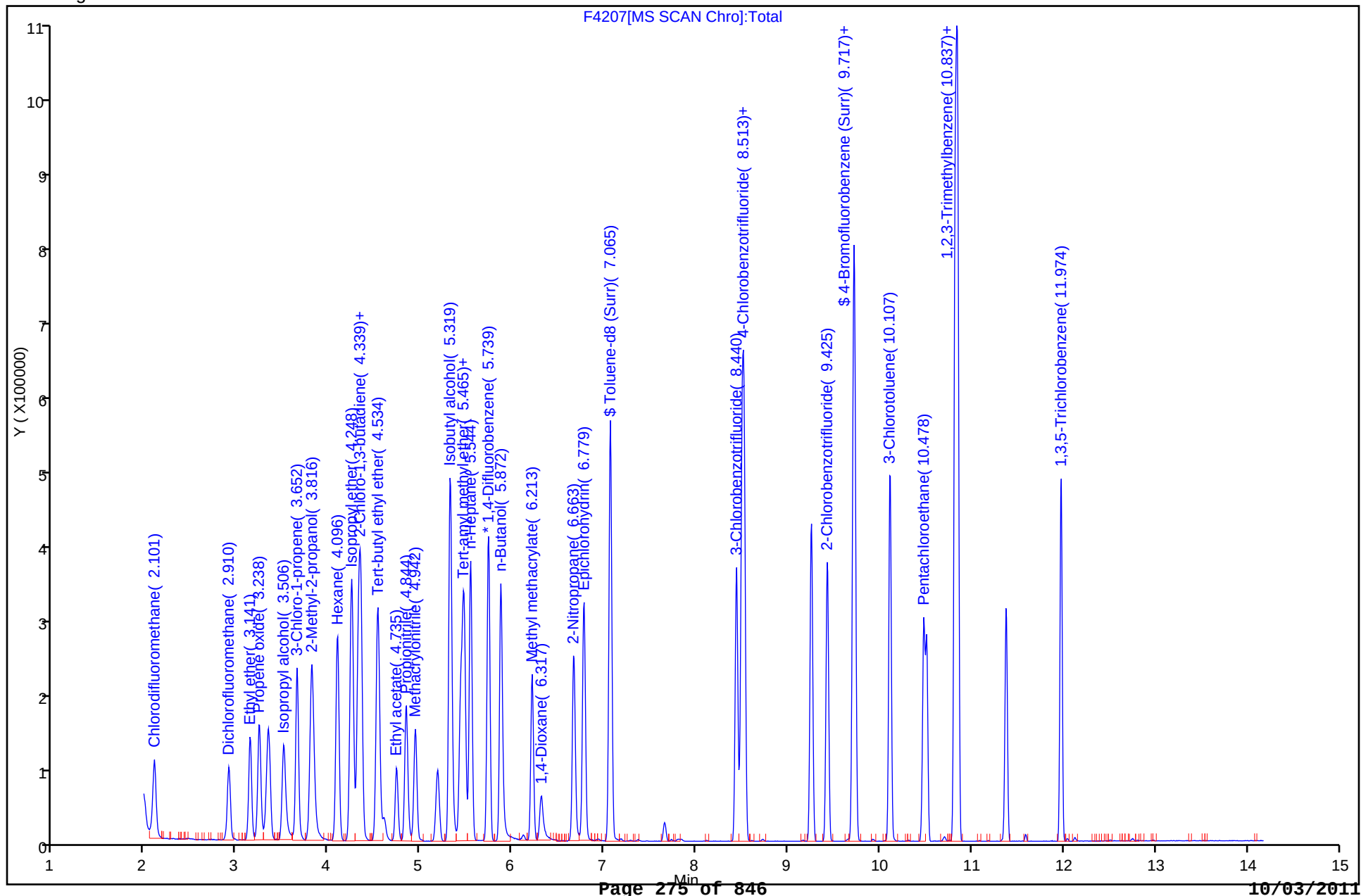
Lims Sample ID: 3

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Lab Sample ID: CCV 480-33080/3 Calibration Date: 09/27/2011 18:46
Instrument ID: HP5973F Calib Start Date: 09/01/2011 13:30
GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/01/2011 15:38
Lab File ID: F4207.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethane-d4 (Surr)	Ave	0.1755	0.1691		48.2	50.0	-3.6	50.0
Toluene-d8 (Surr)	Ave	2.284	2.370		51.9	50.0	3.8	50.0
4-Bromofluorobenzene (Surr)	Ave	0.8003	0.8198		51.2	50.0	2.4	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4207.D
 Lims ID: CCV Client ID:
 Inject. Date: 27-Sep-2011 18:46:30 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: CCV
 Misc. Info.: 480-0006262-003 =480-0006262-003
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 33080 Lims Sample ID: 3
 Sublist: chrom-F-8260 SOIL*sub5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F-8260 SOIL.m
 Last Update: 27-Sep-2011 19:08:09 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 27-Sep-2011 19:08:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	394214	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	83	182861	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.818	0.0	94	203673	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.434	5.434	0.0	96	66676	48.2	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	433391	51.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.729	9.729	0.0	89	149904	51.2	
11 Chlorodifluoromethane	51	2.101	2.101	0.0	77	99884	46.3	
16 Dichlorofluoromethane	67	2.910	2.910	0.0	97	119654	50.7	
18 Ethyl ether	59	3.141	3.141	0.0	96	97620	48.9	
19 Propene oxide	58	3.244	3.244	0.0	86	154263	265.6	
24 Isopropyl alcohol	45	3.506	3.506	0.0	97	252031	1064.9	
28 3-Chloro-1-propene	41	3.652	3.652	0.0	87	182834	48.1	
31 2-Methyl-2-propanol	59	3.816	3.816	0.0	97	413627	1086.2	
35 Hexane	57	4.096	4.096	0.0	95	160539	46.1	
36 Isopropyl ether	45	4.248	4.248	0.0	95	416625	49.8	
38 1,1-Dimethoxyethane	75	4.321	4.321	0.0	67	126317	235.3	
40 2-Chloro-1,3-butadiene	53	4.352	4.352	0.0	93	179048	50.2	
41 Tert-butyl ethyl ether	59	4.534	4.534	0.0	98	358400	46.4	
42 Ethyl acetate	43	4.735	4.735	0.0	98	138418	52.9	
46 Propionitrile	54	4.844	4.844	0.0	99	230108	568.1	
47 Methacrylonitrile	41	4.942	4.942	0.0	95	96298	53.1	
53 Isobutyl alcohol	43	5.319	5.319	0.0	93	387409	2221.8	
56 Tert-amyl methyl ether	73	5.471	5.471	0.0	93	295630	45.7	
59 n-Heptane	43	5.544	5.544	0.0	95	201953	49.7	
60 n-Butanol	56	5.872	5.872	0.0	91	229026	2095.3	
63 Methyl methacrylate	41	6.213	6.213	0.0	91	134394	50.3	
66 1,4-Dioxane	88	6.317	6.317	0.0	96	64218	2125.8	
70 2-Nitropropane	43	6.663	6.663	0.0	98	190996	238.6	
71 Epichlorohydrin	57	6.779	6.779	0.0	98	340802	1109.5	
85 3-Chlorobenzotrifluoride	180	8.440	8.440	0.0	90	160668	45.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
86 4-Chlorobenzotrifluoride	180	8.501	8.501	0.0	83	156794	47.8	
93 2-Chlorobenzotrifluoride	180	9.425	9.425	0.0	95	153912	45.8	
96 Cyclohexanone	55	9.711	9.711	0.0	95	243513	635.4	
104 3-Chlorotoluene	126	10.113	10.113	0.0	96	127478	44.3	
108 Pentachloroethane	167	10.478	10.478	0.0	84	54218	54.8	
114 Dicyclopentadiene	66	10.831	10.831	0.0	96	451684	45.0	
112 1,2,3-Trimethylbenzene	105	10.849	10.849	0.0	96	432307	45.6	
118 1,3,5-Trichlorobenzene	180	11.974	11.974	0.0	95	163219	45.1	

Report Date: 27-Sep-2011 19:08:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4207.D

Injection Date: 27-Sep-2011 18:46:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 33080

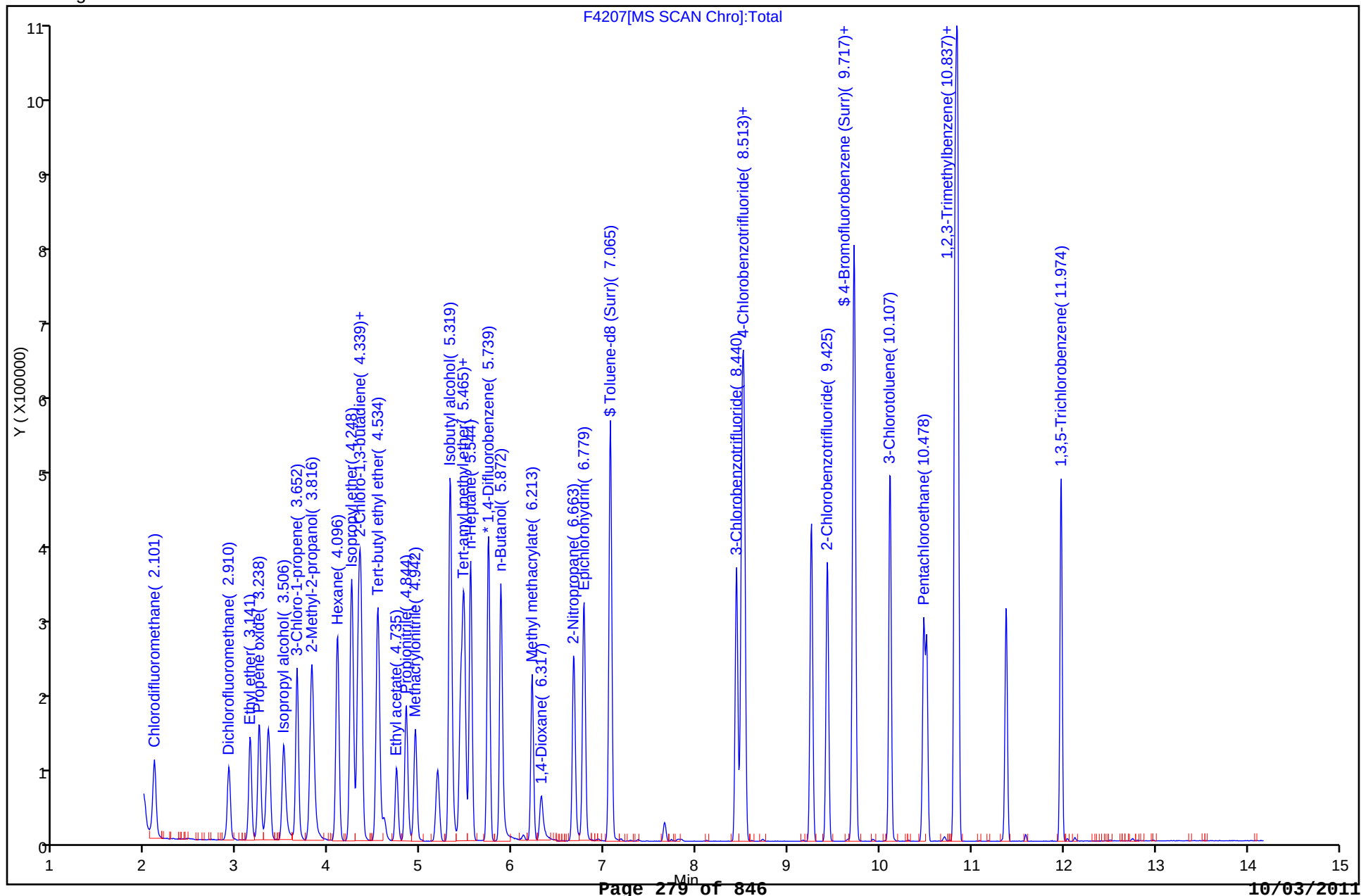
Lims Sample ID: 3

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Lab Sample ID: CCVIS 480-33097/2 Calibration Date: 09/27/2011 21:59

Instrument ID: HP5973S Calib Start Date: 09/20/2011 14:39

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/20/2011 16:29

Lab File ID: S6330.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2262	0.2456		27.1	25.0	8.6	50.0
Chloromethane	Ave	0.2659	0.2611	0.1000	24.5	25.0	-1.8	50.0
Vinyl chloride	Ave	0.2702	0.2770		25.6	25.0	2.5	20.0
Bromomethane	QuaF		0.0791		26.6	25.0	6.4	50.0
Chloroethane	Ave	0.1495	0.1220		20.4	25.0	-18.4	50.0
Trichlorofluoromethane	Lin1F		0.3093		27.2	25.0	8.8	50.0
Acrolein	Ave	0.0106	0.0122		571	500	14.1	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2174	0.2208		25.4	25.0	1.5	50.0
1,1-Dichloroethene	Ave	0.2525	0.2681	0.1000	26.5	25.0	6.1	20.0
Acetone	Ave	0.0965	0.0984		128	125	2.0	50.0
Iodomethane	Ave	0.2436	0.2548		26.1	25.0	4.6	50.0
Carbon disulfide	Ave	0.6729	0.5960		22.1	25.0	-11.4	50.0
Methyl acetate	Ave	0.4135	0.3855		23.3	25.0	-6.8	50.0
Acetonitrile	Ave	0.0195	0.0222		1140	1000	13.5	50.0
Methylene Chloride	Ave	0.3013	0.2932		24.3	25.0	-2.7	50.0
Methyl tert-butyl ether	Ave	0.8077	0.7426		23.0	25.0	-8.1	50.0
trans-1,2-Dichloroethene	Ave	0.2721	0.2834		26.0	25.0	4.1	50.0
Acrylonitrile	Ave	0.1168	0.1149		123	125	-1.6	50.0
1,1-Dichloroethane	Ave	0.4693	0.4730		25.2	25.0	0.8	50.0
Vinyl acetate	Ave	0.4388	0.3893		111	125	-11.3	50.0
2,2-Dichloropropane	Ave	0.2073	0.2099		25.3	25.0	1.3	50.0
cis-1,2-Dichloroethene	Ave	0.2998	0.3079		25.7	25.0	2.7	50.0
2-Butanone (MEK)	Ave	0.1537	0.1546		126	125	0.6	50.0
Bromochloromethane	Ave	0.1441	0.1477		25.6	25.0	2.5	50.0
Tetrahydrofuran	Ave	0.1018	0.1013		124	125	-0.5	50.0
Chloroform	Ave	0.4610	0.4544		24.6	25.0	-1.4	20.0
Cyclohexane	Ave	0.4737	0.4387		23.2	25.0	-7.4	50.0
1,1,1-Trichloroethane	Ave	0.3061	0.3197		26.1	25.0	4.4	50.0
Carbon tetrachloride	Ave	0.2936	0.3019		25.7	25.0	2.8	50.0
1,1-Dichloropropene	Ave	0.3671	0.3729		25.4	25.0	1.6	50.0
Benzene	Ave	1.148	1.153		25.1	25.0	0.5	50.0
1,2-Dichloroethane	Ave	0.3373	0.3427		25.4	25.0	1.6	50.0
Trichloroethene	Ave	0.2749	0.2831		25.7	25.0	3.0	50.0
Methylcyclohexane	Ave	0.4989	0.4571		22.9	25.0	-8.4	50.0
1,2-Dichloropropane	Ave	0.2775	0.2666		24.0	25.0	-3.9	20.0
Dibromomethane	Ave	0.1585	0.1608		25.4	25.0	1.5	50.0
Bromodichloromethane	Ave	0.3219	0.3221		25.0	25.0	0.0	50.0
2-Chloroethyl vinyl ether	Ave	0.1889	0.1581		105	125	-16.3	50.0
cis-1,3-Dichloropropene	Ave	0.4232	0.4209		24.9	25.0	-0.5	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6615	0.6605		125	125	-0.2	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Lab Sample ID: CCVIS 480-33097/2 Calibration Date: 09/27/2011 21:59

Instrument ID: HP5973S Calib Start Date: 09/20/2011 14:39

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/20/2011 16:29

Lab File ID: S6330.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene	Ave	1.584	1.603		25.3	25.0	1.2	20.0
trans-1,3-Dichloropropene	Ave	0.8144	0.8058		24.7	25.0	-1.1	50.0
Ethyl methacrylate	Ave	0.8124	0.7679		23.6	25.0	-5.5	50.0
1,1,2-Trichloroethane	Ave	0.4541	0.4540		25.0	25.0	-0.0	50.0
Tetrachloroethene	Ave	0.6252	0.6428		25.7	25.0	2.8	50.0
1,3-Dichloropropane	Ave	0.9550	0.9351		24.5	25.0	-2.1	50.0
2-Hexanone	Ave	0.4845	0.4885		126	125	0.8	50.0
Dibromochloromethane	Ave	0.5091	0.4914		24.1	25.0	-3.5	50.0
1,2-Dibromoethane	Ave	0.5353	0.5437		25.4	25.0	1.6	50.0
Chlorobenzene	Ave	1.732	1.756	0.3000	25.3	25.0	1.4	50.0
Ethylbenzene	Ave	2.862	2.954		25.8	25.0	3.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5165	0.5273		25.5	25.0	2.1	50.0
m,p-Xylene	Ave	1.133	1.182		52.2	50.0	4.4	50.0
o-Xylene	Ave	1.104	1.148		26.0	25.0	4.0	50.0
Styrene	Ave	1.904	1.988		26.1	25.0	4.4	50.0
Bromoform	Lin1F		0.2801	0.1000	20.0	25.0	-20.0	50.0
Isopropylbenzene	Ave	2.865	2.897		25.3	25.0	1.1	50.0
Bromobenzene	Ave	0.7151	0.7106		24.8	25.0	-0.6	50.0
1,1,2,2-Tetrachloroethane	Ave	0.7413	0.7253	0.3000	24.5	25.0	-2.2	50.0
N-Propylbenzene	Ave	3.455	3.515		25.4	25.0	1.7	50.0
1,2,3-Trichloropropane	Ave	0.2217	0.2309		26.0	25.0	4.1	50.0
trans-1,4-Dichloro-2-butene	Lin1F		0.1736		137	125	9.3	50.0
2-Chlorotoluene	Ave	0.7026	0.7020		25.0	25.0	-0.0	50.0
1,3,5-Trimethylbenzene	Ave	2.403	2.429		25.3	25.0	1.1	50.0
4-Chlorotoluene	Ave	0.7366	0.7560		25.7	25.0	2.6	50.0
tert-Butylbenzene	Ave	0.5345	0.5514		25.8	25.0	3.2	50.0
1,2,4-Trimethylbenzene	Ave	2.417	2.478		25.6	25.0	2.5	50.0
sec-Butylbenzene	Ave	3.142	3.214		25.6	25.0	2.3	50.0
1,3-Dichlorobenzene	Ave	1.365	1.392		25.5	25.0	1.9	50.0
4-Isopropyltoluene	Ave	2.620	2.692		25.7	25.0	2.8	50.0
1,4-Dichlorobenzene	Ave	1.434	1.438		25.1	25.0	0.3	50.0
n-Butylbenzene	Ave	2.423	2.505		25.8	25.0	3.4	50.0
1,2-Dichlorobenzene	Ave	1.346	1.356		25.2	25.0	0.8	50.0
1,2-Dibromo-3-Chloropropane	Lin1F		0.1289		22.8	25.0	-8.8	50.0
1,2,4-Trichlorobenzene	Ave	0.9344	0.9656		25.8	25.0	3.3	50.0
Hexachlorobutadiene	Ave	0.1828	0.1939		26.5	25.0	6.1	50.0
Naphthalene	Ave	1.232	1.364		27.7	25.0	10.7	50.0
1,2,3-Trichlorobenzene	Ave	0.4008	0.4283		26.7	25.0	6.9	50.0
1,2-Dichloroethane-d4 (Surr)	QuaF		0.1652		29.4	25.0	17.6	50.0
Toluene-d8 (Surr)	QuaF		2.285		28.9	25.0	15.6	50.0
4-Bromofluorobenzene (Surr)	Ave	0.6243	0.6933		27.8	25.0	11.0	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20110927-6264.b\S6330.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 27-Sep-2011 21:59:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0006264-002 =480-0006264-002
 Operator: NMD Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 33097 Lims Sample ID: 2
 Sublist: chrom-S-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20110927-6264.b\S-8260.m
 Last Update: 27-Sep-2011 23:50:10 Calib Date: 20-Sep-2011 19:03:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6133.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: diasn

Date: 27-Sep-2011 22:49:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.929	4.929	0.0	94	519272	25.0	
* 2 Chlorobenzene-d5	82	7.131	7.131	0.0	83	241849	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.992	8.992	0.0	93	250406	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.630	4.630	0.0	52	85799	29.4	
\$ 5 Toluene-d8 (Surr)	98	6.011	6.011	0.0	78	552541	28.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.062	8.062	0.0	87	167668	27.8	
10 Dichlorodifluoromethane	85	1.266	1.266	0.0	83	127531	27.1	
12 Chloromethane	50	1.400	1.400	0.0	89	135602	24.5	
13 Vinyl chloride	62	1.503	1.503	0.0	79	143860	25.6	
14 Bromomethane	94	1.771	1.771	0.0	88	41065	26.6	
15 Chloroethane	64	1.875	1.875	0.0	92	63334	20.4	
17 Trichlorofluoromethane	101	2.094	2.094	0.0	84	160603	27.2	
20 Acrolein	56	2.495	2.495	0.0	94	126167	570.6	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.544	2.544	0.0	59	114637	25.4	
22 1,1-Dichloroethene	96	2.550	2.550	0.0	88	139192	26.5	
23 Acetone	43	2.641	2.641	0.0	100	255454	127.5	
25 Iodomethane	142	2.702	2.702	0.0	85	132317	26.1	
26 Carbon disulfide	76	2.720	2.720	0.0	98	309472	22.1	
27 Methyl acetate	43	2.903	2.903	0.0	96	200184	23.3	
29 Acetonitrile	40	2.927	2.927	0.0	98	460014	1135.2	
30 Methylene Chloride	84	2.976	2.976	0.0	79	152259	24.3	
32 Methyl tert-butyl ether	73	3.170	3.170	0.0	90	385627	23.0	
34 trans-1,2-Dichloroethene	96	3.170	3.170	0.0	68	147139	26.0	
33 Acrylonitrile	53	3.243	3.243	0.0	98	298225	123.0	
39 1,1-Dichloroethane	63	3.535	3.535	0.0	85	245595	25.2	
37 Vinyl acetate	43	3.590	3.590	0.0	97	1010843	110.9	
44 2,2-Dichloropropane	77	3.967	3.967	0.0	92	108980	25.3	
45 cis-1,2-Dichloroethene	96	3.992	3.992	0.0	67	159866	25.7	
43 2-Butanone (MEK)	43	4.040	4.040	0.0	98	401329	125.7	
48 Chlorobromomethane	128	4.186	4.186	0.0	92	76719	25.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.211	4.211	0.0	88	262977	124.4	
50 Chloroform	83	4.253	4.253	0.0	68	235941	24.6	
52 Cyclohexane	56	4.338	4.338	0.0	90	227781	23.2	
51 1,1,1-Trichloroethane	97	4.345	4.345	0.0	91	166015	26.1	
55 Carbon tetrachloride	117	4.448	4.448	0.0	79	156755	25.7	
54 1,1-Dichloropropene	75	4.460	4.460	0.0	93	193618	25.4	
57 Benzene	78	4.630	4.630	0.0	96	598727	25.1	
58 1,2-Dichloroethane	62	4.685	4.685	0.0	73	177932	25.4	
62 Trichloroethene	95	5.105	5.105	0.0	92	147021	25.7	
64 Methylcyclohexane	83	5.196	5.196	0.0	89	237361	22.9	
65 1,2-Dichloropropane	63	5.306	5.306	0.0	93	138438	24.0	
67 Dibromomethane	93	5.409	5.409	0.0	88	83505	25.4	
68 Dichlorobromomethane	83	5.519	5.519	0.0	91	167231	25.0	
69 2-Chloroethyl vinyl ether	63	5.738	5.738	0.0	91	410576	104.7	
72 cis-1,3-Dichloropropene	75	5.841	5.841	0.0	88	218573	24.9	
73 4-Methyl-2-pentanone (MIBK)	43	5.963	5.963	0.0	96	798716	124.8	
74 Toluene	92	6.060	6.060	0.0	87	387619	25.3	
77 trans-1,3-Dichloropropene	75	6.273	6.273	0.0	89	194872	24.7	
75 Ethyl methacrylate	69	6.303	6.303	0.0	69	185712	23.6	
79 1,1,2-Trichloroethane	83	6.419	6.419	0.0	84	109787	25.0	
81 Tetrachloroethene	166	6.456	6.456	0.0	83	155462	25.7	
82 1,3-Dichloropropane	76	6.541	6.541	0.0	90	226146	24.5	
80 2-Hexanone	43	6.595	6.595	0.0	79	590666	126.0	
83 Chlorodibromomethane	129	6.717	6.717	0.0	86	118840	24.1	
84 Ethylene Dibromide	107	6.802	6.802	0.0	98	131500	25.4	
87 Chlorobenzene	112	7.155	7.155	0.0	88	424642	25.3	
88 Ethylbenzene	91	7.216	7.216	0.0	98	714392	25.8	
89 1,1,1,2-Tetrachloroethane	131	7.222	7.222	0.0	39	127537	25.5	
90 m-Xylene & p-Xylene	106	7.307	7.307	0.0	97	571961	52.2	
91 o-Xylene	106	7.630	7.630	0.0	96	277653	26.0	
92 Styrene	104	7.648	7.648	0.0	95	480814	26.1	
95 Bromoform	173	7.836	7.836	0.0	96	67741	20.0	
94 Isopropylbenzene	105	7.909	7.909	0.0	95	725425	25.3	
101 Bromobenzene	156	8.183	8.183	0.0	92	177929	24.8	
97 1,1,2,2-Tetrachloroethane	83	8.214	8.214	0.0	79	181624	24.5	
99 N-Propylbenzene	91	8.244	8.244	0.0	87	880276	25.4	
100 1,2,3-Trichloropropane	110	8.250	8.250	0.0	56	57805	26.0	
98 trans-1,4-Dichloro-2-butene	53	8.256	8.256	0.0	83	217303	136.6	
103 2-Chlorotoluene	126	8.329	8.329	0.0	97	175795	25.0	
102 1,3,5-Trimethylbenzene	105	8.384	8.384	0.0	64	608154	25.3	
105 4-Chlorotoluene	126	8.421	8.421	0.0	95	189313	25.7	
106 tert-Butylbenzene	134	8.646	8.646	0.0	89	138069	25.8	
107 1,2,4-Trimethylbenzene	105	8.688	8.688	0.0	68	620416	25.6	
109 sec-Butylbenzene	105	8.822	8.822	0.0	94	804711	25.6	
110 4-Isopropyltoluene	119	8.938	8.938	0.0	95	674097	25.7	
111 1,3-Dichlorobenzene	146	8.938	8.938	0.0	71	348494	25.5	
113 1,4-Dichlorobenzene	146	9.017	9.017	0.0	95	360000	25.1	
115 n-Butylbenzene	91	9.278	9.278	0.0	94	627163	25.8	
116 1,2-Dichlorobenzene	146	9.327	9.327	0.0	93	339499	25.2	
117 1,2-Dibromo-3-Chloropropane	75	10.002	10.002	0.0	76	32267	22.8	
119 1,2,4-Trichlorobenzene	180	10.647	10.647	0.0	90	241791	25.8	
120 Hexachlorobutadiene	225	10.751	10.751	0.0	96	100691	26.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.860	10.860	0.0	97	708155	27.7	
122 1,2,3-Trichlorobenzene	180	11.049	11.049	0.0	93	222388	26.7	
S 123 Total BTEX	1				0		154.4	
S 124 Xylenes, Total	1				0		78.2	
S 125 1,2-Dichloroethene, Total	1				0		51.7	
S 126 1,3-Dichloropropene, Total	1				0		49.6	

Report Date: 27-Sep-2011 23:50:10

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973S\20110927-6264.b\S6330.D

Injection Date: 27-Sep-2011 21:59:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 33097

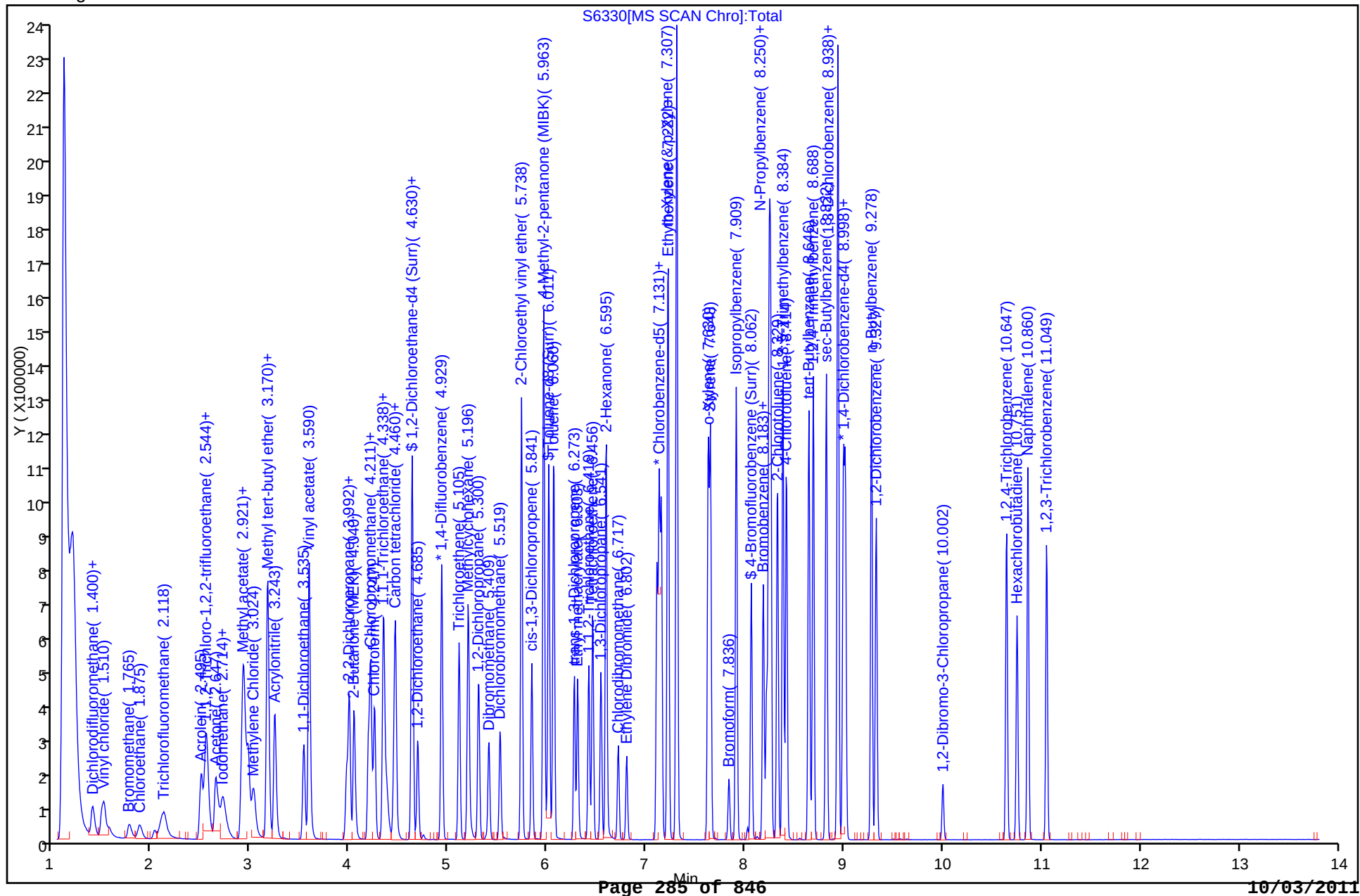
Lims Sample ID: 2

Operator ID: NMD

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3627.D
Lims ID: BFB Client ID:
Inject. Date: 31-Aug-2011 14:02:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0005677-001 =480-0005677-001
Operator: PJQ Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 29632 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F-8260 SOIL.m
Last Update: 31-Aug-2011 14:04:16 Calib Date: 30-Jul-2011 08:15:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20110730-4956.b\F2890.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 31-Aug-2011 14:04:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
\$ 61 BFB	95	4.664	4.664	0.0	0	640450	0	

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3627.D

Injection Date: 31-Aug-2011 14:02:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29632

Lims Sample ID: 1

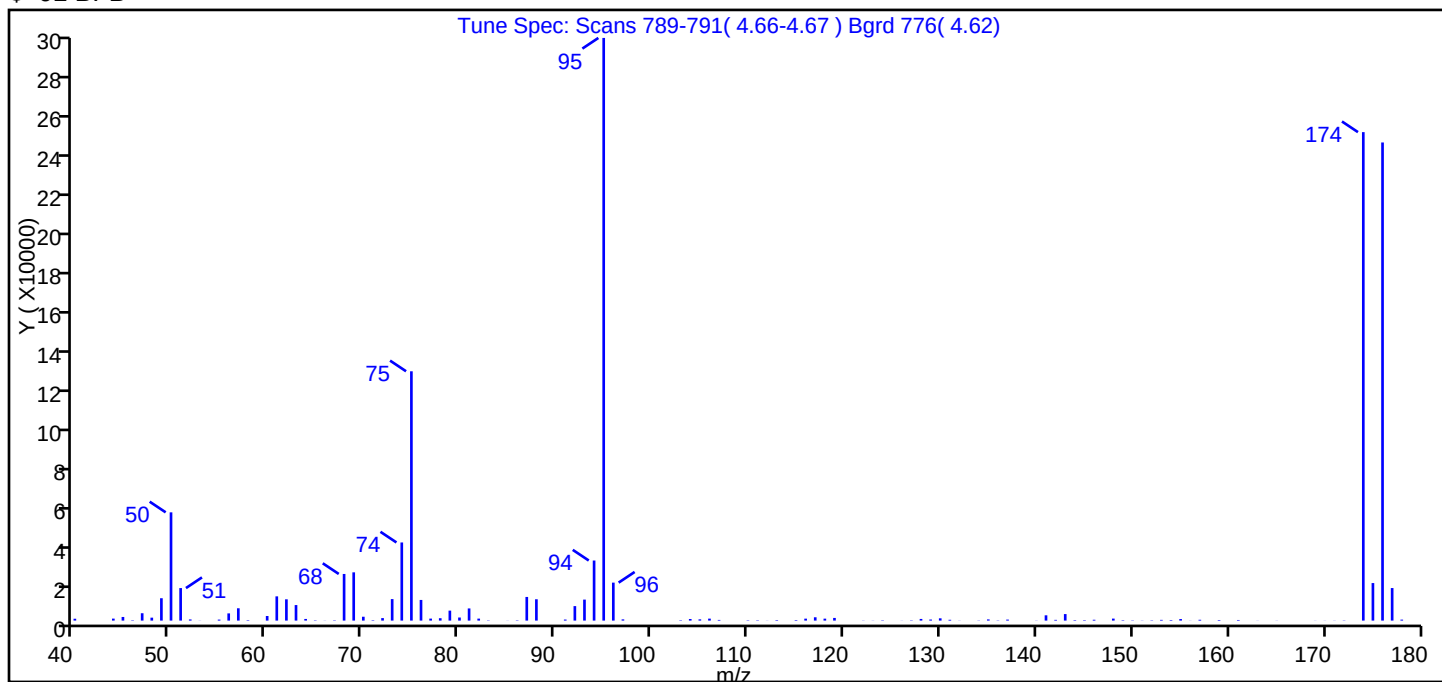
Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.58
75	30.00 - 60.00% of mass 95	42.79
96	5.00 - 9.00% of mass 95	6.52
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	83.83
175	5.00 - 9.00% of mass 174	6.44 (7.68)
176	95.00 - 101.00% of mass 174	82.06 (97.89)
177	5.00 - 9.00% of mass 176	5.59 (6.81)

Data File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3627.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 31-Aug-2011 14:02:30
Spectrum: Tune Spec: Scans 789-791(4.66-4.67) Bgrd 776(4.62)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 108

m/z	Y	m/z	Y	m/z	Y	m/z	Y
40.00	960	72.00	1289	107.00	349	143.00	3353
44.00	1022	73.00	11056	110.00	189	144.00	259
45.00	1865	74.00	40184	111.00	195	145.00	244
46.00	208	75.00	128216	112.00	53	146.00	432
47.00	3784	76.00	10622	113.00	276	148.00	1028
48.00	1515	77.00	1027	115.00	289	149.00	223
49.00	11507	78.00	1225	116.00	1003	150.00	149
50.00	55672	79.00	5130	117.00	1707	151.00	82
51.00	16728	80.00	1587	118.00	1002	152.00	170
52.00	595	81.00	6254	119.00	1372	153.00	376
53.00	57	82.00	1021	122.00	82	154.00	291
55.00	516	83.00	155	123.00	68	155.00	795
56.00	3707	85.00	52	124.00	187	156.00	52
57.00	6338	86.00	184	126.00	51	157.00	423
58.00	250	87.00	12164	127.00	171	159.00	300
60.00	2363	88.00	10976	128.00	852	161.00	317
61.00	12469	91.00	536	129.00	545	163.00	51
62.00	10953	92.00	7452	130.00	1169	165.00	60
63.00	7989	93.00	10799	131.00	418	169.00	50
64.00	850	94.00	30896	132.00	67	170.00	52
65.00	181	95.00	299648	134.00	107	171.00	66
66.00	62	96.00	19528	135.00	608	172.00	128
67.00	187	97.00	623	136.00	132	174.00	251200
68.00	23984	103.00	208	137.00	517	175.00	19304
69.00	24816	104.00	807	140.00	76	176.00	245888
70.00	1987	105.00	643	141.00	2718	177.00	16736
71.00	230	106.00	1012	142.00	380	178.00	499

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3645.D
Lims ID: BFB Client ID:
Inject. Date: 01-Sep-2011 12:36:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0005704-001 =480-0005704-001
Operator: PJQ Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 29774 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F-8260 SOIL.m
Last Update: 01-Sep-2011 12:38:11 Calib Date: 31-Aug-2011 20:52:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20110831-5677.b\F3643.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 01-Sep-2011 12:38:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
\$ 61 BFB	95	4.664	4.664	0.0	0	646418	0	

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3645.D

Injection Date: 01-Sep-2011 12:36:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 29774

Lims Sample ID: 1

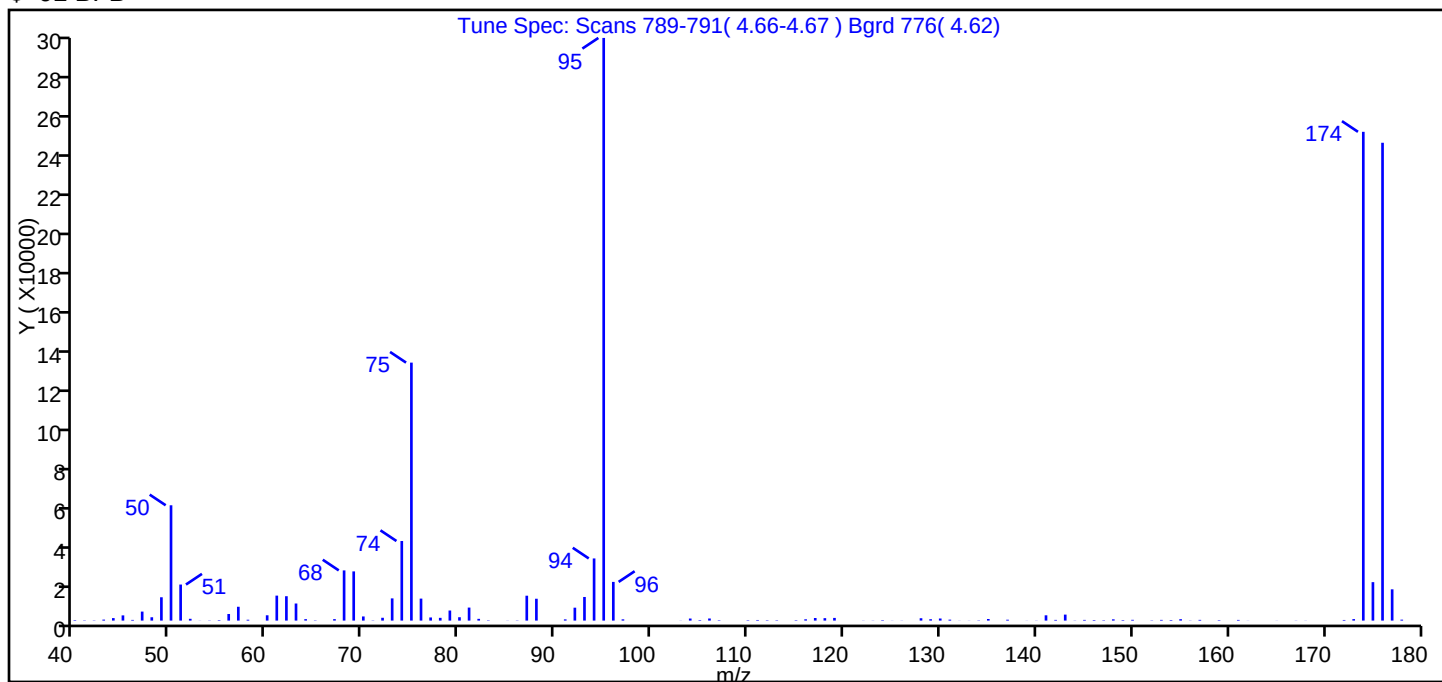
Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.79
75	30.00 - 60.00% of mass 95	44.28
96	5.00 - 9.00% of mass 95	6.64
173	Less than 2.00% of mass 174	0.26 (0.30)
174	Greater than 50.00% of mass 95	83.89
175	5.00 - 9.00% of mass 174	6.60 (7.87)
176	95.00 - 101.00% of mass 174	82.01 (97.76)
177	5.00 - 9.00% of mass 176	5.37 (6.55)

Data File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3645.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 01-Sep-2011 12:36:30
Spectrum: Tune Spec: Scans 789-791(4.66-4.67) Bgrd 776(4.62)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 112

m/z	Y	m/z	Y	m/z	Y	m/z	Y
40.00	266	70.00	2108	106.00	1071	142.00	358
41.00	155	71.00	126	107.00	217	143.00	3048
42.00	133	72.00	1438	110.00	213	144.00	92
43.00	499	73.00	11298	111.00	313	145.00	356
44.00	1271	74.00	40472	112.00	205	146.00	286
45.00	2653	75.00	131200	113.00	199	147.00	193
46.00	353	76.00	11185	115.00	225	148.00	641
47.00	4582	77.00	1596	116.00	658	149.00	263
48.00	1698	78.00	1402	117.00	1316	150.00	394
49.00	11866	79.00	5129	118.00	1241	152.00	138
50.00	58648	80.00	1715	119.00	1366	153.00	362
51.00	18336	81.00	6621	122.00	67	154.00	294
52.00	914	82.00	893	123.00	79	155.00	714
53.00	55	83.00	186	124.00	245	156.00	89
54.00	117	85.00	65	125.00	56	157.00	368
55.00	267	86.00	125	126.00	67	159.00	238
56.00	3359	87.00	12658	128.00	1202	161.00	347
57.00	7035	88.00	11114	129.00	696	162.00	51
58.00	442	91.00	618	130.00	1061	165.00	50
60.00	2704	92.00	6567	131.00	478	167.00	78
61.00	12702	93.00	12010	132.00	54	168.00	59
62.00	12402	94.00	31608	133.00	59	172.00	322
63.00	8692	95.00	296320	134.00	147	173.00	758
64.00	731	96.00	19680	135.00	810	174.00	248576
65.00	155	97.00	636	137.00	451	175.00	19552
67.00	744	103.00	56	139.00	50	176.00	243008
68.00	25528	104.00	1047	140.00	73	177.00	15905
69.00	25024	105.00	271	141.00	2688	178.00	476

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4205.D
 Lims ID: BFB Client ID:
 Inject. Date: 27-Sep-2011 17:41:30 Dil. Factor: 1.0000
 Sample Type: BFB
 Sample ID: BFB
 Misc. Info.: 480-0006262-001 =480-0006262-001
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 33080 Lims Sample ID: 1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F-8260 SOIL.m
 Last Update: 27-Sep-2011 17:46:30 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 27-Sep-2011 17:46:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114		5.739					
* 2 Chlorobenzene-d5	82		8.519					
* 3 1,4-Dichlorobenzene-d4	152		10.818					
\$ 61 BFB	95	4.664	4.664	0.0	0	476619	0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67		5.434					
\$ 5 Toluene-d8 (Surr)	98		7.065					
\$ 6 4-Bromofluorobenzene (Surr)	174		9.723					

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4205.D

Injection Date: 27-Sep-2011 17:41:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 33080

Lims Sample ID: 1

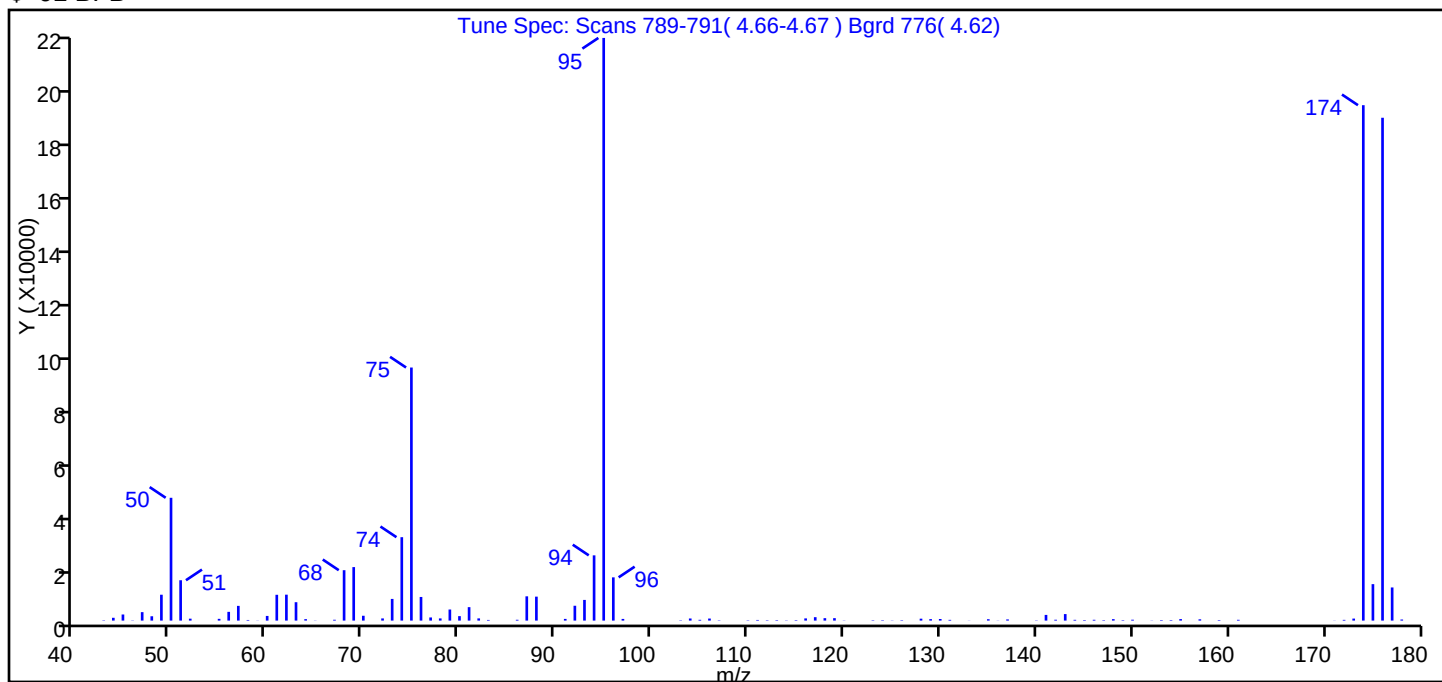
Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.08
75	30.00 - 60.00% of mass 95	43.43
96	5.00 - 9.00% of mass 95	7.42
173	Less than 2.00% of mass 174	0.35 (0.39)
174	Greater than 50.00% of mass 95	88.46
175	5.00 - 9.00% of mass 174	6.26 (7.07)
176	95.00 - 101.00% of mass 174	86.30 (97.56)
177	5.00 - 9.00% of mass 176	5.69 (6.59)

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4205.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 27-Sep-2011 17:41:30
Spectrum: Tune Spec: Scans 789-791(4.66-4.67) Bgrd 776(4.62)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 101

m/z	Y	m/z	Y	m/z	Y	m/z	Y
43.00	129	73.00	7837	110.00	121	143.00	2357
44.00	1019	74.00	30160	111.00	234	144.00	279
45.00	2209	75.00	91512	112.00	146	145.00	196
46.00	89	76.00	8546	113.00	181	146.00	295
47.00	3056	77.00	1136	114.00	92	147.00	163
48.00	1568	78.00	789	115.00	180	148.00	523
49.00	9357	79.00	4009	116.00	796	149.00	167
50.00	44408	80.00	1617	117.00	1234	150.00	319
51.00	14592	81.00	4862	118.00	878	152.00	63
52.00	697	82.00	798	119.00	882	153.00	194
55.00	636	83.00	240	120.00	73	154.00	190
56.00	3162	86.00	299	123.00	149	155.00	544
57.00	5323	87.00	8776	124.00	160	157.00	459
58.00	225	88.00	8662	125.00	75	159.00	195
59.00	55	91.00	615	126.00	159	161.00	288
60.00	1685	92.00	5367	128.00	694	171.00	50
61.00	9330	93.00	7477	129.00	533	172.00	267
62.00	9374	94.00	23592	130.00	578	173.00	728
63.00	6653	95.00	210688	131.00	269	174.00	186368
64.00	522	96.00	15638	133.00	50	175.00	13181
65.00	61	97.00	607	135.00	494	176.00	181824
67.00	305	103.00	124	136.00	54	177.00	11983
68.00	18224	104.00	760	137.00	426	178.00	388
69.00	19344	105.00	283	140.00	97		
70.00	1749	106.00	741	141.00	2053		
72.00	789	107.00	121	142.00	313		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6119.D
Lims ID: BFB Client ID:
Inject. Date: 20-Sep-2011 13:54:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0006101-001 =480-0006101-001
Operator: DHC Instrument ID: HP5973S
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 32019 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S-8260.m
Last Update: 20-Sep-2011 14:08:02 Calib Date: 15-Sep-2011 17:55:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20110915-5989.b\S5914.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 20-Sep-2011 14:08:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 61 BFB	95	3.879	3.879	0.0	0	74687	0	

Data File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6119.D

Injection Date: 20-Sep-2011 13:54:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 32019

Lims Sample ID: 1

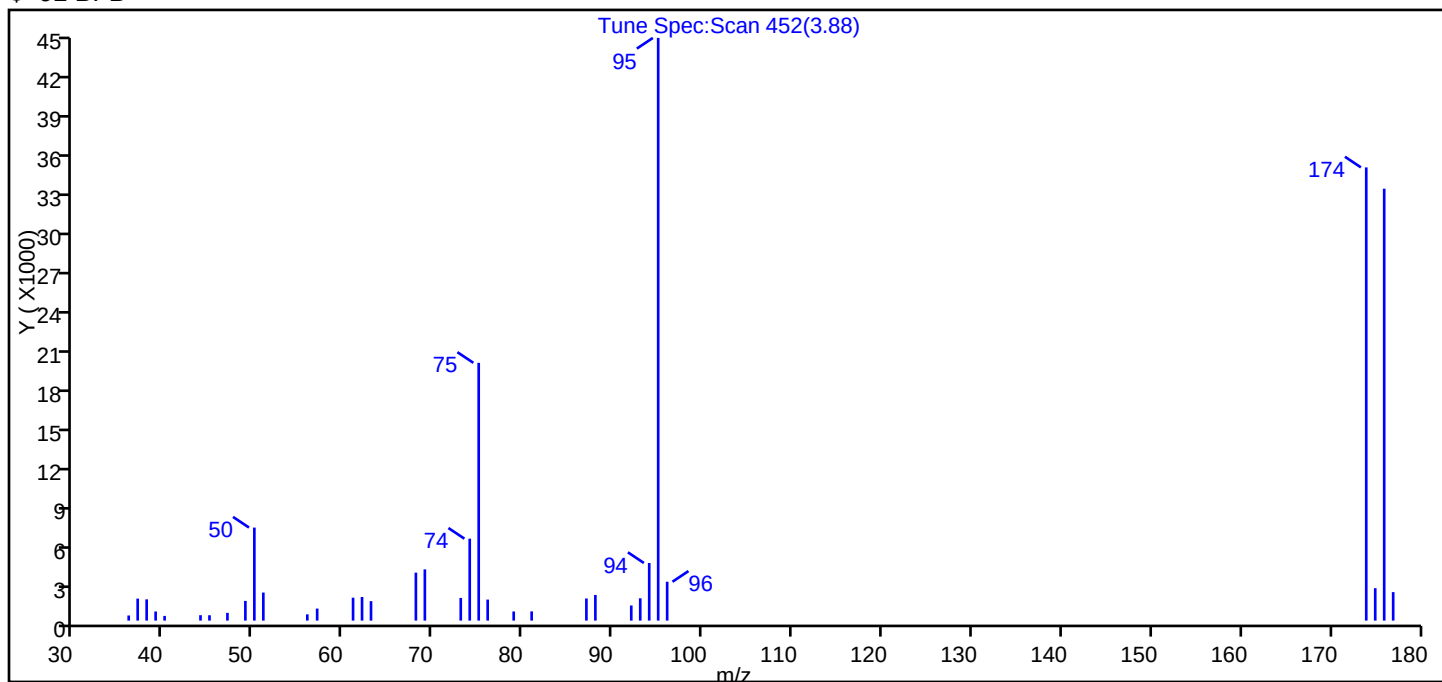
Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.97
75	30.00 - 60.00% of mass 95	44.24
96	5.00 - 9.00% of mass 95	6.67
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	77.78
175	5.00 - 9.00% of mass 174	5.56 (7.15)
176	95.00 - 101.00% of mass 174	74.13 (95.30)
177	5.00 - 9.00% of mass 176	4.89 (6.59)

Data File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6119.D\S-8260.rslt\spectra.d

Injection Date: 20-Sep-2011 13:54:30

Spectrum: Tune Spec:Scan 452(3.88)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 35

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	389	50.00	7094	73.00	1728	93.00	1700
37.00	1676	51.00	2138	74.00	6247	94.00	4393
38.00	1620	55.90	477	75.00	19656	95.00	44432
39.00	694	57.00	918	76.00	1602	96.00	2964
40.00	357	61.00	1746	78.90	696	173.90	34560
44.00	413	62.00	1800	80.90	703	174.90	2471
45.00	408	63.00	1484	87.00	1686	175.90	32936
47.00	590	68.00	3658	88.00	1954	176.90	2172
49.00	1503	69.00	3905	92.00	1153		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20110927-6264.b\S6329.D
Lims ID: BFB Client ID:
Inject. Date: 27-Sep-2011 21:23:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0006264-001 =480-0006264-001
Operator: NMD Instrument ID: HP5973S
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 33097 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20110927-6264.b\S-8260.m
Last Update: 27-Sep-2011 23:49:46 Calib Date: 20-Sep-2011 19:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6133.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: diasn

Date: 27-Sep-2011 21:45:47

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 61 BFB	95	3.867	3.867	0.0	0	70241	0	

Data File: \\Bufchrom\ChromData\HP5973S\20110927-6264.b\S6329.D

Injection Date: 27-Sep-2011 21:23:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 33097

Lims Sample ID: 1

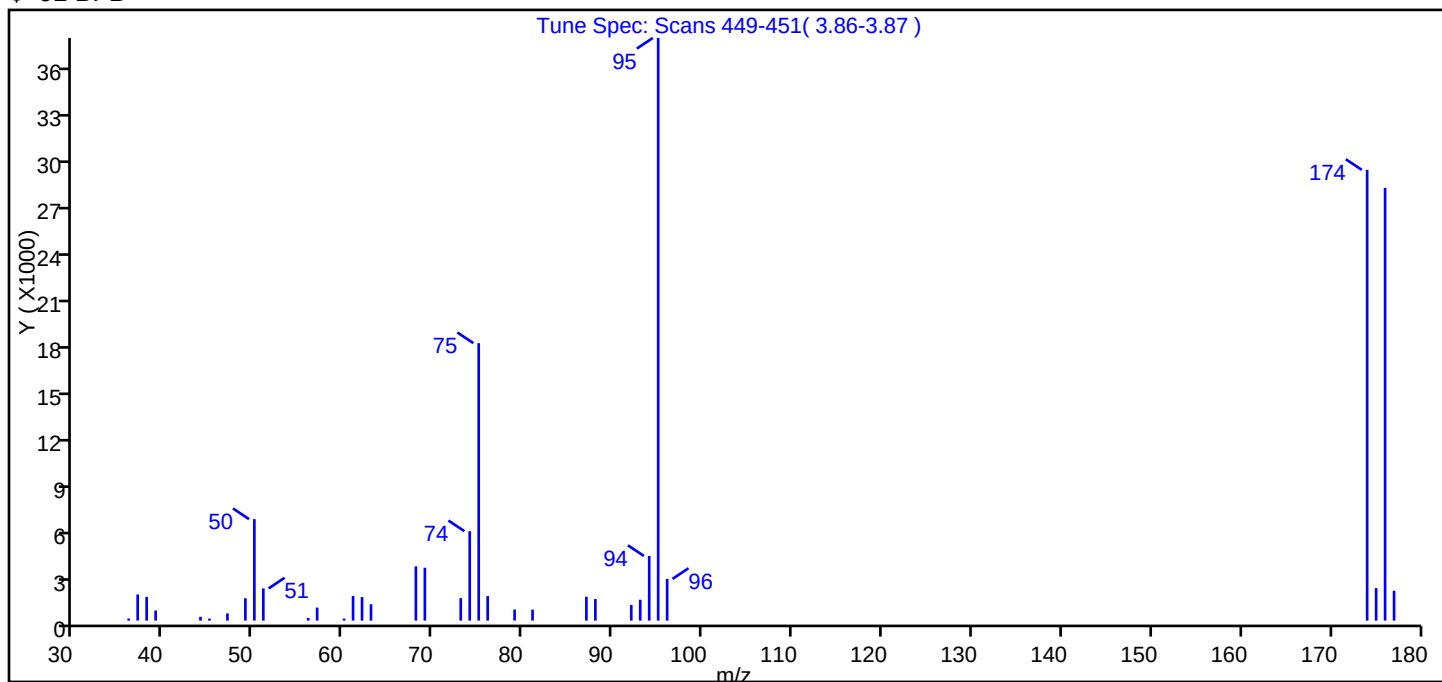
Operator ID: NMD

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.41
75	30.00 - 60.00% of mass 95	47.62
96	5.00 - 9.00% of mass 95	7.16
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	77.35
175	5.00 - 9.00% of mass 174	5.57 (7.21)
176	95.00 - 101.00% of mass 174	74.27 (96.01)
177	5.00 - 9.00% of mass 176	5.12 (6.90)

Data File: \\Bufchrom\ChromData\HP5973S\20110927-6264.b\S6329.D\S-8260.rslt\spectra.d

Injection Date: 27-Sep-2011 21:23:30

Spectrum: Tune Spec: Scans 449-451(3.86-3.87)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 35

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	135	51.00	2076	73.00	1450	93.00	1346
37.00	1683	56.00	169	74.00	5768	94.00	4169
38.00	1531	57.00	840	75.00	17896	95.00	37584
39.00	652	60.00	132	76.00	1580	96.00	2690
44.00	245	61.00	1585	79.00	714	174.00	29072
45.00	129	62.00	1516	81.00	707	175.00	2095
47.00	465	63.00	1056	87.00	1537	176.00	27912
49.00	1442	68.00	3499	88.00	1390	177.00	1925
50.00	6545	69.00	3409	92.00	1013		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-33080/5
 Matrix: Solid Lab File ID: F4209.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(g) Date Analyzed: 09/27/2011 19:38
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 33080 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.81
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.65
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1
75-34-3	1,1-Dichloroethane	ND		5.0	0.61
75-35-4	1,1-Dichloroethene	ND		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.5
106-93-4	1,2-Dibromoethane	ND		5.0	0.64
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.39
107-06-2	1,2-Dichloroethane	ND		5.0	0.25
78-87-5	1,2-Dichloropropane	ND		5.0	2.5
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.26
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.70
591-78-6	2-Hexanone	ND		25	2.5
78-93-3	2-Butanone (MEK)	ND		25	1.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.6
67-64-1	Acetone	ND		25	4.2
71-43-2	Benzene	ND		5.0	0.25
75-27-4	Bromodichloromethane	ND		5.0	0.67
75-25-2	Bromoform	ND		5.0	2.5
74-83-9	Bromomethane	ND		5.0	0.45
75-15-0	Carbon disulfide	ND		5.0	2.5
56-23-5	Carbon tetrachloride	ND		5.0	0.48
108-90-7	Chlorobenzene	ND		5.0	0.66
124-48-1	Dibromochloromethane	ND		5.0	0.64
75-00-3	Chloroethane	ND		5.0	1.1
67-66-3	Chloroform	ND		5.0	0.31
74-87-3	Chloromethane	ND		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.72
110-82-7	Cyclohexane	ND		5.0	0.70
75-71-8	Dichlorodifluoromethane	ND		5.0	0.41
100-41-4	Ethylbenzene	ND		5.0	0.35
98-82-8	Isopropylbenzene	ND		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-33080/5
 Matrix: Solid Lab File ID: F4209.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(g) Date Analyzed: 09/27/2011 19:38
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 33080 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	0.93
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.49
108-87-2	Methylcyclohexane	ND		5.0	0.76
75-09-2	Methylene Chloride	ND		5.0	2.3
100-42-5	Styrene	ND		5.0	0.25
127-18-4	Tetrachloroethene	ND		5.0	0.67
108-88-3	Toluene	ND		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.52
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	2.2
79-01-6	Trichloroethene	ND		5.0	1.1
75-69-4	Trichlorofluoromethane	ND		5.0	0.47
75-01-4	Vinyl chloride	ND		5.0	0.61
1330-20-7	Xylenes, Total	ND		10	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		64-126
2037-26-5	Toluene-d8 (Surr)	101		71-125
460-00-4	4-Bromofluorobenzene (Surr)	96		72-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 480-33080/5
Matrix: Solid Lab File ID: F4209.D
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 5(g) Date Analyzed: 09/27/2011 19:38
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 33080 Units: ug/Kg
Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4209.D
 Lims ID: MB Client ID:
 Inject. Date: 27-Sep-2011 19:38:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0006262-005 =480-0006262-005
 Operator: PJQ Instrument ID: HP5973F
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 33080 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F-8260 SOIL.m
 Last Update: 27-Sep-2011 19:49:18 Calib Date: 01-Sep-2011 15:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 27-Sep-2011 19:49:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.739	5.739	0.0	94	368958	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	84	174139	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.818	0.0	94	188439	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.435	5.434	0.0	96	59947	46.3	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	402990	50.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.730	9.729	0.001	89	134152	48.1	
10 Dichlorodifluoromethane	85		2.082					
11 Chlorodifluoromethane	51		2.101					
12 Chloromethane	50		2.241					
13 Vinyl chloride	62		2.362					
14 Bromomethane	94		2.648					
15 Chloroethane	64		2.727					
16 Dichlorofluoromethane	67		2.910					
17 Trichlorofluoromethane	101		2.952					
18 Ethyl ether	59		3.141					
19 Propene oxide	58		3.244					
20 Acrolein	56		3.305					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.336					
22 1,1-Dichloroethene	96		3.366					
23 Acetone	43		3.421					
24 Isopropyl alcohol	45		3.506					
25 Iodomethane	142		3.530					
26 Carbon disulfide	76		3.591					
27 Methyl acetate	43		3.640					
28 3-Chloro-1-propene	41		3.652					
29 Acetonitrile	40		3.676					
30 Methylene Chloride	84		3.761					
31 2-Methyl-2-propanol	59		3.816					
32 Methyl tert-butyl ether	73		3.920					
34 trans-1,2-Dichloroethene	96		3.956					
33 Acrylonitrile	53		3.968					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
35 Hexane	57		4.096					
36 Isopropyl ether	45		4.248					
37 Vinyl acetate	43		4.273					
39 1,1-Dichloroethane	63		4.297					
38 1,1-Dimethoxyethane	75		4.321					
40 2-Chloro-1,3-butadiene	53		4.352					
41 Tert-butyl ethyl ether	59		4.534					
42 Ethyl acetate	43		4.735					
43 2-Butanone (MEK)	43		4.741					
44 2,2-Dichloropropane	77		4.747					
45 cis-1,2-Dichloroethene	96		4.759					
46 Propionitrile	54		4.844					
47 Methacrylonitrile	41		4.942					
48 Chlorobromomethane	128		4.966					
49 Tetrahydrofuran	42		4.984					
50 Chloroform	83		5.003					
51 1,1,1-Trichloroethane	97		5.149					
52 Cyclohexane	56		5.179					
54 1,1-Dichloropropene	75		5.270					
55 Carbon tetrachloride	117		5.276					
53 Isobutyl alcohol	43		5.319					
57 Benzene	78		5.459					
56 Tert-amyl methyl ether	73		5.471					
58 1,2-Dichloroethane	62		5.495					
59 n-Heptane	43		5.544					
60 n-Butanol	56		5.872					
62 Trichloroethene	95		5.982					
64 Methylcyclohexane	83		6.122					
65 1,2-Dichloropropane	63		6.207					
63 Methyl methacrylate	41		6.213					
66 1,4-Dioxane	88		6.317					
67 Dibromomethane	93		6.341					
68 Dichlorobromomethane	83		6.450					
69 2-Chloroethyl vinyl ether	63		6.651					
70 2-Nitropropane	43		6.663					
71 Epichlorohydrin	57		6.779					
72 cis-1,3-Dichloropropene	75		6.834					
73 4-Methyl-2-pentanone (MIBK)	43		6.931					
74 Toluene	92		7.126					
75 Ethyl methacrylate	69		7.345					
77 trans-1,3-Dichloropropene	75		7.351					
79 1,1,2-Trichloroethane	83		7.552					
81 Tetrachloroethene	166		7.655					
82 1,3-Dichloropropane	76		7.722					
80 2-Hexanone	43		7.728					
83 Chlorodibromomethane	129		7.965					
84 Ethylene Dibromide	107		8.099					
85 3-Chlorobenzotrifluoride	180		8.440					
86 4-Chlorobenzotrifluoride	180		8.501					
87 Chlorobenzene	112		8.549					
88 Ethylbenzene	91		8.610					
89 1,1,1,2-Tetrachloroethane	131		8.628					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
90 m-Xylene & p-Xylene	106		8.726					
91 o-Xylene	106		9.158					
92 Styrene	104		9.182					
93 2-Chlorobenzotrifluoride	180		9.425					
95 Bromoform	173		9.456					
94 Isopropylbenzene	105		9.517					
96 Cyclohexanone	55		9.711					
97 1,1,2,2-Tetrachloroethane	83		9.882					
101 Bromobenzene	156		9.894					
98 trans-1,4-Dichloro-2-butene	53		9.924					
99 N-Propylbenzene	91		9.924					
100 1,2,3-Trichloropropane	110		9.936					
103 2-Chlorotoluene	126		10.052					
102 1,3,5-Trimethylbenzene	105		10.082					
104 3-Chlorotoluene	126		10.113					
105 4-Chlorotoluene	126		10.155					
106 tert-Butylbenzene	134		10.399					
107 1,2,4-Trimethylbenzene	105		10.447					
108 Pentachloroethane	167		10.478					
109 sec-Butylbenzene	105		10.599					
110 4-Isopropyltoluene	119		10.715					
111 1,3-Dichlorobenzene	146		10.758					
114 Dicyclopentadiene	66		10.831					
113 1,4-Dichlorobenzene	146		10.837					
112 1,2,3-Trimethylbenzene	105		10.849					
76 2-Methylthiophene	97		10.900					
78 3-Methylthiophene	97		11.028					
115 n-Butylbenzene	91		11.086					
116 1,2-Dichlorobenzene	146		11.183					
117 1,2-Dibromo-3-Chloropropane	75		11.853					
118 1,3,5-Trichlorobenzene	180		11.974					
119 1,2,4-Trichlorobenzene	180		12.510					
120 Hexachlorobutadiene	225		12.601					
121 Naphthalene	128		12.747					
122 1,2,3-Trichlorobenzene	180		12.972					
S 125 1,2-Dichloroethene, Total	1		30.000					7
S 126 1,3-Dichloropropene, Total	1		30.000					7
S 123 Total BTEX	1		30.000					7
S 124 Xylenes, Total	1		30.000					7
T 127 Ethanol TIC	45		0.000					1
T 128 Hexachloroethane TIC	1		0.000					1
T 129 tert-amyl alcohol TIC	59		0.000					1
T 7 Ethylene oxide	1		0.000					1
T 8 t-Amyl alcohol	59		0.000					1
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1

QC Flag Legend

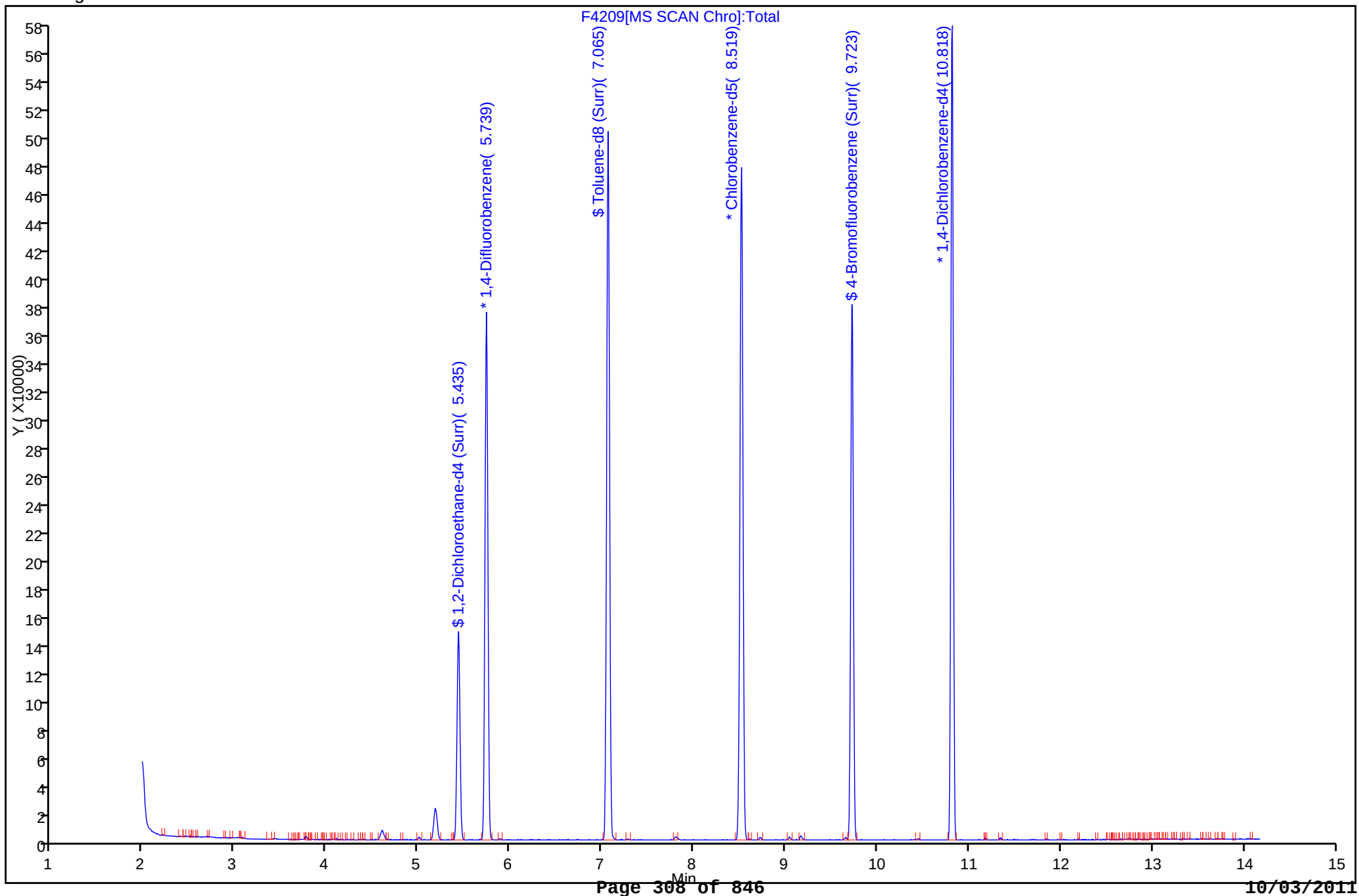
Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Report Date: 27-Sep-2011 19:49:18
Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4209.D
Injection Date: 27-Sep-2011 19:38:30
Client ID:
Lims Batch ID: 33080
Operator ID: PJQ
Column Type: ZB-624
Y Scaling:

Chrom Revision: 2.0 01-Sep-2011 14:10:00
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973F
Lims Sample ID: 5
Column Dia: 0.25 mm



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-33097/5

Matrix: Water Lab File ID: S6333.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 09/27/2011 23:05

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 33097 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-33097/5
 Matrix: Water Lab File ID: S6333.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 09/27/2011 23:05
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 33097 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		66-137
2037-26-5	Toluene-d8 (Surr)	117		71-126
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 480-33097/5
Matrix: Water Lab File ID: S6333.D
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 09/27/2011 23:05
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 33097 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20110927-6264.b\S6333.D
 Lims ID: MB Client ID:
 Inject. Date: 27-Sep-2011 23:05:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0006264-005 =480-0006264-005
 Operator: NMD Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 33097 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20110927-6264.b\S-8260.m
 Last Update: 27-Sep-2011 23:55:05 Calib Date: 20-Sep-2011 19:03:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6133.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: diasn

Date: 27-Sep-2011 23:55:05

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.935	4.929	0.007	93	514773	25.0	
* 2 Chlorobenzene-d5	82	7.131	7.131	0.0	82	236128	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.992	8.992	0.0	94	244220	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.631	4.630	0.0	96	82954	28.6	
\$ 5 Toluene-d8 (Surr)	98	6.011	6.011	0.0	92	546137	29.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.062	8.062	0.0	87	160487	27.2	
10 Dichlorodifluoromethane	85		1.266					
11 Chlorodifluoromethane	51		1.297					
12 Chloromethane	50		1.400					
13 Vinyl chloride	62		1.503					
14 Bromomethane	94		1.771					
15 Chloroethane	64		1.875					
16 Dichlorofluoromethane	67		2.087					
17 Trichlorofluoromethane	101		2.094					
18 Ethyl ether	59		2.325					
19 Propene oxide	58		2.404					
20 Acrolein	56		2.495					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		2.544					
22 1,1-Dichloroethene	96		2.550					
23 Acetone	43		2.641					
25 Iodomethane	142		2.702					
26 Carbon disulfide	76		2.720					
24 Isopropyl alcohol	45		2.811					
28 3-Chloro-1-propene	41		2.854					
27 Methyl acetate	43		2.903					
29 Acetonitrile	40		2.927					
30 Methylene Chloride	84		2.976					
31 2-Methyl-2-propanol	59		3.140					
32 Methyl tert-butyl ether	73		3.170					
34 trans-1,2-Dichloroethene	96		3.170					
33 Acrylonitrile	53		3.243					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Hexane	57		3.341					
39 1,1-Dichloroethane	63		3.535					
36 Isopropyl ether	45		3.548					
40 2-Chloro-1,3-butadiene	53		3.584					
37 Vinyl acetate	43		3.590					
38 1,1-Dimethoxyethane	75		3.621					
41 Tert-butyl ethyl ether	59		3.833					
44 2,2-Dichloropropane	77		3.967					
45 cis-1,2-Dichloroethene	96		3.992					
43 2-Butanone (MEK)	43		4.040					
42 Ethyl acetate	43		4.065					
46 Propionitrile	54		4.132					
48 Chlorobromomethane	128		4.186					
49 Tetrahydrofuran	42		4.211					
47 Methacrylonitrile	41		4.217					
50 Chloroform	83		4.253					
52 Cyclohexane	56		4.338					
51 1,1,1-Trichloroethane	97		4.345					
55 Carbon tetrachloride	117		4.448					
54 1,1-Dichloropropene	75		4.460					
57 Benzene	78		4.630					
53 Isobutyl alcohol	43		4.649					
58 1,2-Dichloroethane	62		4.685					
56 Tert-amyl methyl ether	73		4.691					
59 n-Heptane	43		4.764					
62 Trichloroethene	95		5.105					
60 n-Butanol	56		5.135					
64 Methylcyclohexane	83		5.196					
65 1,2-Dichloropropane	63		5.306					
63 Methyl methacrylate	41		5.379					
67 Dibromomethane	93		5.409					
66 1,4-Dioxane	88		5.415					
68 Dichlorobromomethane	83		5.519					
70 2-Nitropropane	43		5.732					
69 2-Chloroethyl vinyl ether	63		5.738					
71 Epichlorohydrin	57		5.817					
72 cis-1,3-Dichloropropene	75		5.841					
73 4-Methyl-2-pentanone (MIBK)	43		5.963					
74 Toluene	92		6.060					
76 2-Methylthiophene	97		6.170					
77 trans-1,3-Dichloropropene	75		6.273					
78 3-Methylthiophene	97		6.291					
75 Ethyl methacrylate	69		6.303					
79 1,1,2-Trichloroethane	83		6.419					
81 Tetrachloroethene	166		6.456					
82 1,3-Dichloropropane	76		6.541					
80 2-Hexanone	43		6.595					
83 Chlorodibromomethane	129		6.717					
84 Ethylene Dibromide	107		6.802					
85 3-Chlorobenzotrifluoride	180		7.119					
87 Chlorobenzene	112		7.155					
86 4-Chlorobenzotrifluoride	180		7.167					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
88 Ethylbenzene	91		7.216					
89 1,1,1,2-Tetrachloroethane	131		7.222					
90 m-Xylene & p-Xylene	106		7.307					
91 o-Xylene	106		7.630					
92 Styrene	104		7.648					
95 Bromoform	173		7.836					
93 2-Chlorobenzotrifluoride	180		7.849					
94 Isopropylbenzene	105		7.909					
96 Cyclohexanone	55		8.055					
101 Bromobenzene	156		8.183					
97 1,1,2,2-Tetrachloroethane	83		8.214					
99 N-Propylbenzene	91		8.244					
100 1,2,3-Trichloropropane	110		8.250					
98 trans-1,4-Dichloro-2-butene	53		8.256					
103 2-Chlorotoluene	126		8.329					
104 3-Chlorotoluene	126		8.378					
102 1,3,5-Trimethylbenzene	105		8.384					
105 4-Chlorotoluene	126		8.421					
106 tert-Butylbenzene	134		8.646					
107 1,2,4-Trimethylbenzene	105		8.688					
108 Pentachloroethane	167		8.694					
109 sec-Butylbenzene	105		8.822					
110 4-Isopropyltoluene	119		8.938					
111 1,3-Dichlorobenzene	146		8.938					
114 Dicyclopentadiene	66		8.992					
113 1,4-Dichlorobenzene	146		9.017					
112 1,2,3-Trimethylbenzene	105		9.041					
115 n-Butylbenzene	91		9.278					
116 1,2-Dichlorobenzene	146		9.327					
117 1,2-Dibromo-3-Chloropropane	75		10.002					
118 1,3,5-Trichlorobenzene	180		10.118					
119 1,2,4-Trichlorobenzene	180		10.647					
120 Hexachlorobutadiene	225		10.751					
121 Naphthalene	128		10.860					
122 1,2,3-Trichlorobenzene	180		11.049					
S 123 Total BTEX	1		30.000					7
S 124 Xylenes, Total	1		30.000					7
S 125 1,2-Dichloroethene, Total	1		30.000					7
S 126 1,3-Dichloropropene, Total	1		30.000					7
T 127 Ethanol TIC	45		0.000					1
T 128 Hexachloroethane TIC	1		0.000					1
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 8 t-Amyl alcohol	59		0.000					1
T 7 Ethylene oxide	1		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Report Date: 27-Sep-2011 23:55:05

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973S\20110927-6264.b\S6333.D

Injection Date: 27-Sep-2011 23:05:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 33097

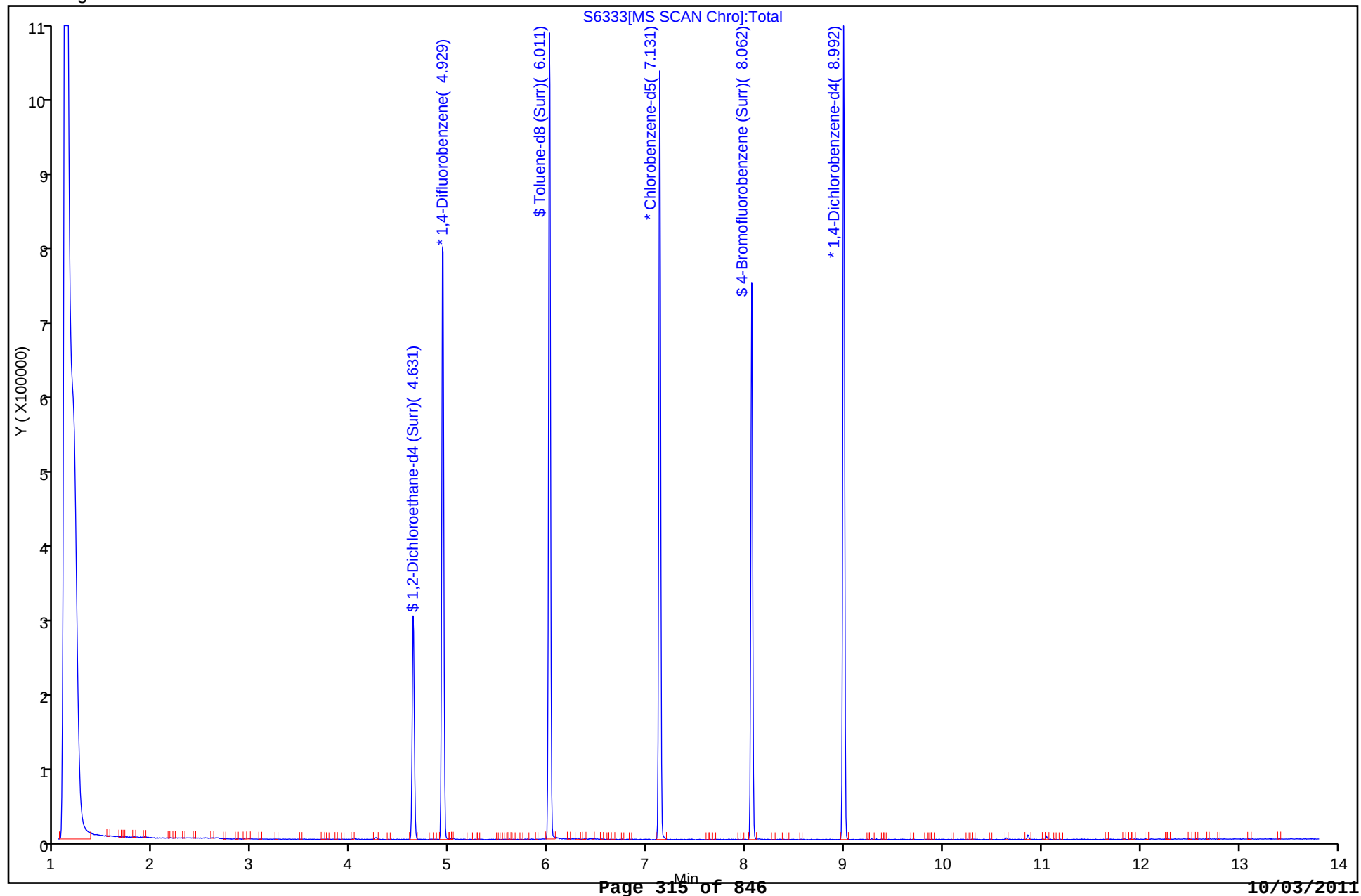
Lims Sample ID: 5

Operator ID: NMD

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-33080/4
 Matrix: Solid Lab File ID: F4208.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(g) Date Analyzed: 09/27/2011 19:12
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 33080 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	50.9		5.0	0.61
75-35-4	1,1-Dichloroethene	45.2		5.0	0.61
95-50-1	1,2-Dichlorobenzene	46.9		5.0	0.39
107-06-2	1,2-Dichloroethane	50.7		5.0	0.25
71-43-2	Benzene	50.1		5.0	0.25
108-90-7	Chlorobenzene	50.1		5.0	0.66
156-59-2	cis-1,2-Dichloroethene	48.3		5.0	0.64
100-41-4	Ethylbenzene	50.6		5.0	0.35
1634-04-4	Methyl tert-butyl ether	47.2		5.0	0.49
127-18-4	Tetrachloroethene	49.3		5.0	0.67
108-88-3	Toluene	47.7		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	49.9		5.0	0.52
79-01-6	Trichloroethene	48.9		5.0	1.1
1330-20-7	Xylenes, Total	150		10	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		64-126
2037-26-5	Toluene-d8 (Surr)	101		71-125
460-00-4	4-Bromofluorobenzene (Surr)	99		72-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4208.D

Lims ID: LCS

Client ID:

Inject. Date: 27-Sep-2011 19:12:30

Dil. Factor: 1.0000

Sample Type: LCS

Sample ID: LCS

Misc. Info.: 480-0006262-004 =480-0006262-004

Operator: PJQ

Instrument ID: HP5973F

Vol. Injected: 1.0000

ALS Bottle#: 4

Lims Batch ID: 33080

Lims Sample ID: 4

Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F-8260 SOIL.m

Last Update: 27-Sep-2011 19:33:53

Calib Date: 01-Sep-2011 15:38:30

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\Bufchrom\ChromData\HP5973F\20110901-5704.b\F3652.D

Limit Group: MV - 8260B ICAL

Integrator: RTE

ID Type: RT Order ID

Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 27-Sep-2011 19:23:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.738	5.739	-0.001	94	377396	50.0	
* 2 Chlorobenzene-d5	82	8.519	8.519	0.0	86	176514	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.818	10.818	0.0	93	194699	50.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.434	5.434	0.0	94	61579	46.5	
\$ 5 Toluene-d8 (Surr)	98	7.065	7.065	0.0	93	407898	50.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.729	9.729	0.0	89	139782	49.5	
22 1,1-Dichloroethene	96	3.378	3.366	0.012	96	77543	45.2	
32 Methyl tert-butyl ether	73	3.926	3.920	0.006	93	296533	47.2	
34 trans-1,2-Dichloroethene	96	3.962	3.956	0.006	95	95885	49.9	
39 1,1-Dichloroethane	63	4.303	4.297	0.006	97	178305	50.9	
45 cis-1,2-Dichloroethene	96	4.759	4.759	0.0	69	104800	48.3	
57 Benzene	78	5.465	5.459	0.006	98	377706	50.1	
58 1,2-Dichloroethane	62	5.501	5.495	0.006	74	156654	50.7	
62 Trichloroethene	95	5.988	5.982	0.006	94	100130	48.9	
74 Toluene	92	7.132	7.126	0.006	93	255821	47.7	
81 Tetrachloroethene	166	7.655	7.655	0.0	89	113376	49.3	
87 Chlorobenzene	112	8.549	8.549	0.0	92	301251	50.1	
88 Ethylbenzene	91	8.610	8.610	0.0	55	490779	50.6	
90 m-Xylene & p-Xylene	106	8.726	8.726	0.0	98	404717	101.1	
91 o-Xylene	106	9.157	9.158	-0.001	97	191627	49.2	
107 1,2,4-Trimethylbenzene	105	10.447	10.447	0.0	97	407826	47.0	
116 1,2-Dichlorobenzene	146	11.183	11.183	0.0	97	233787	46.9	
S 125 1,2-Dichloroethene, Total	1				0		98.2	
S 124 Xylenes, Total	1				0		150.2	

Report Date: 27-Sep-2011 19:33:54

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973F\20110927-6262.b\F4208.D

Injection Date: 27-Sep-2011 19:12:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973F

Lims Batch ID: 33080

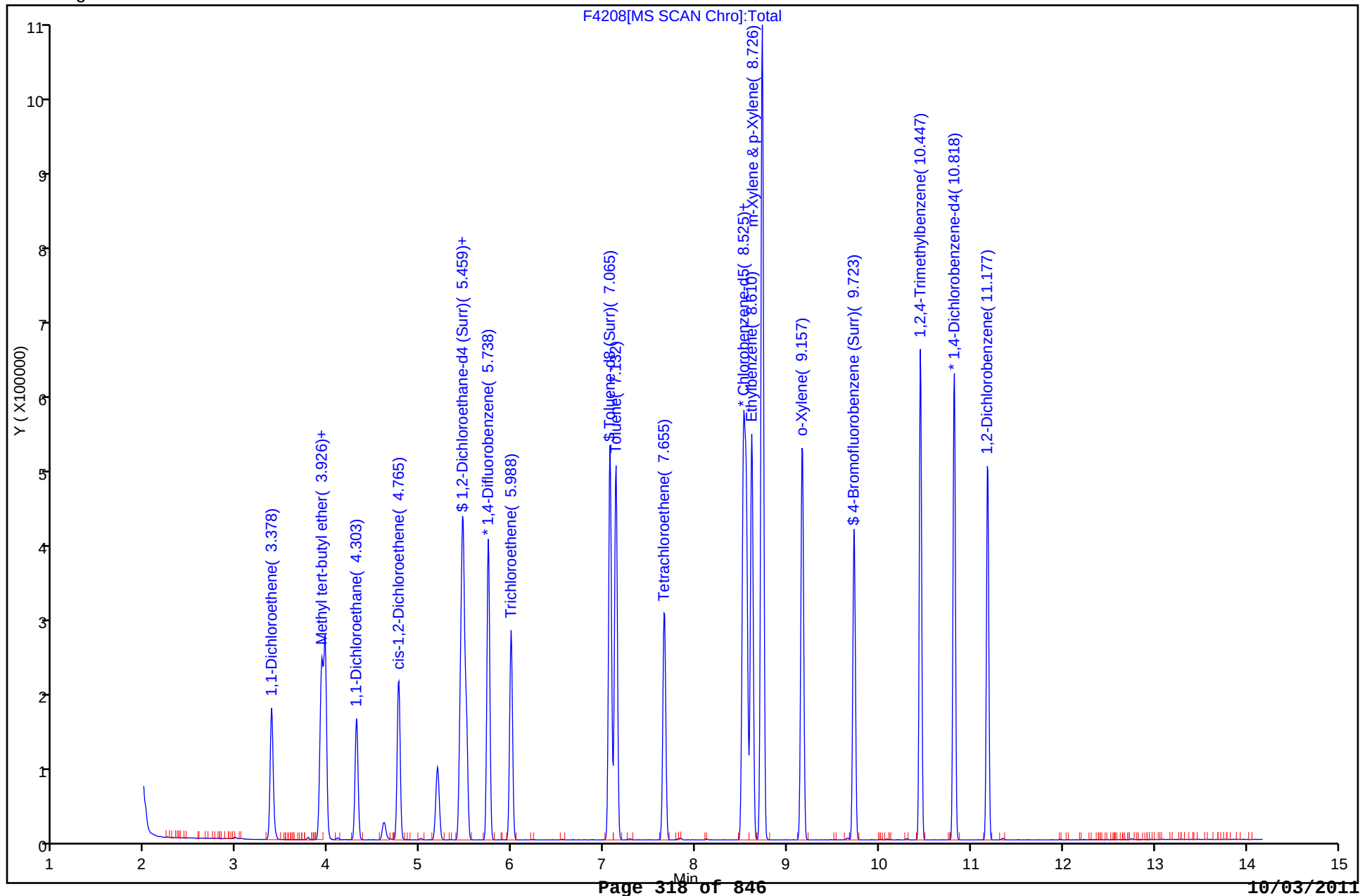
Lims Sample ID: 4

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-33097/4

Matrix: Water Lab File ID: S6332.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 09/27/2011 22:43

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 33097 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	25.4		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	24.1		1.0	0.21
79-00-5	1,1,2-Trichloroethane	24.9		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	23.0		1.0	0.31
75-34-3	1,1-Dichloroethane	24.1		1.0	0.38
75-35-4	1,1-Dichloroethene	24.8		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	25.6		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	21.9		1.0	0.39
106-93-4	1,2-Dibromoethane	25.6		1.0	0.73
95-50-1	1,2-Dichlorobenzene	25.0		1.0	0.79
107-06-2	1,2-Dichloroethane	25.1		1.0	0.21
78-87-5	1,2-Dichloropropane	24.0		1.0	0.72
541-73-1	1,3-Dichlorobenzene	25.3		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.7		1.0	0.84
591-78-6	2-Hexanone	123		5.0	1.2
78-93-3	2-Butanone (MEK)	118		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	122		5.0	2.1
67-64-1	Acetone	118		10	3.0
71-43-2	Benzene	24.4		1.0	0.41
75-27-4	Bromodichloromethane	24.6		1.0	0.39
75-25-2	Bromoform	19.8		1.0	0.26
74-83-9	Bromomethane	25.6		1.0	0.69
75-15-0	Carbon disulfide	21.7		1.0	0.19
56-23-5	Carbon tetrachloride	24.1		1.0	0.27
108-90-7	Chlorobenzene	25.1		1.0	0.75
124-48-1	Dibromochloromethane	24.2		1.0	0.32
75-00-3	Chloroethane	21.8		1.0	0.32
67-66-3	Chloroform	24.0		1.0	0.34
74-87-3	Chloromethane	25.2		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.7		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	24.6		1.0	0.36
110-82-7	Cyclohexane	21.6		1.0	0.18
75-71-8	Dichlorodifluoromethane	25.1		1.0	0.68
100-41-4	Ethylbenzene	25.2		1.0	0.74
98-82-8	Isopropylbenzene	24.7		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-33097/4
 Matrix: Water Lab File ID: S6332.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 09/27/2011 22:43
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 33097 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	22.4		1.0	0.50
1634-04-4	Methyl tert-butyl ether	23.0		1.0	0.16
108-87-2	Methylcyclohexane	22.1		1.0	0.16
75-09-2	Methylene Chloride	23.7		1.0	0.44
100-42-5	Styrene	25.5		1.0	0.73
127-18-4	Tetrachloroethene	25.3		1.0	0.36
108-88-3	Toluene	24.8		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	24.7		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	25.1		1.0	0.37
79-01-6	Trichloroethene	25.0		1.0	0.46
75-69-4	Trichlorofluoromethane	25.4		1.0	0.88
75-01-4	Vinyl chloride	24.0		1.0	0.90
1330-20-7	Xylenes, Total	76.3		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		66-137
2037-26-5	Toluene-d8 (Surr)	118		71-126
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20110927-6264.b\S6332.D
 Lims ID: LCS Client ID:
 Inject. Date: 27-Sep-2011 22:43:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: LCS
 Misc. Info.: 480-0006264-004 =480-0006264-004
 Operator: NMD Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 33097 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20110927-6264.b\S-8260.m
 Last Update: 27-Sep-2011 23:52:59 Calib Date: 20-Sep-2011 19:03:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20110920-6101.b\S6133.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: diasn

Date: 27-Sep-2011 23:52:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.929	4.929	0.001	94	522737	25.0	
* 2 Chlorobenzene-d5	82	7.131	7.131	0.0	83	240214	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.992	8.992	0.0	92	249086	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.631	4.630	0.001	53	83333	28.3	
\$ 5 Toluene-d8 (Surr)	98	6.012	6.011	0.001	78	557573	29.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.062	8.062	0.0	88	166212	27.7	
10 Dichlorodifluoromethane	85	1.260	1.266	-0.006	86	118787	25.1	
12 Chloromethane	50	1.400	1.400	0.0	89	140199	25.2	
13 Vinyl chloride	62	1.504	1.503	0.001	84	135654	24.0	
14 Bromomethane	94	1.771	1.771	0.0	85	39530	25.6	
15 Chloroethane	64	1.887	1.875	0.012	92	68041	21.8	
17 Trichlorofluoromethane	101	2.094	2.094	0.0	83	150763	25.4	
20 Acrolein	56	2.495	2.495	0.0	92	112196	504.1	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.544	2.544	0.0	52	104544	23.0	
22 1,1-Dichloroethene	96	2.556	2.550	0.006	89	130819	24.8	
23 Acetone	43	2.647	2.641	0.006	100	238790	118.4	
25 Iodomethane	142	2.708	2.702	0.006	85	118604	23.3	
26 Carbon disulfide	76	2.732	2.720	0.012	97	305397	21.7	
27 Methyl acetate	43	2.903	2.903	0.0	96	193998	22.4	
29 Acetonitrile	40	2.927	2.927	0.0	99	418073	1024.9	
30 Methylene Chloride	84	3.031	2.976	0.055	78	149631	23.7	
34 trans-1,2-Dichloroethene	96	3.170	3.170	0.0	64	140268	24.7	
32 Methyl tert-butyl ether	73	3.170	3.170	0.0	90	388631	23.0	
33 Acrylonitrile	53	3.243	3.243	0.0	98	284547	116.6	
39 1,1-Dichloroethane	63	3.535	3.535	0.0	85	236322	24.1	
37 Vinyl acetate	43	3.590	3.590	0.0	97	1022635	111.5	
44 2,2-Dichloropropane	77	3.974	3.967	0.007	91	109832	25.3	
45 cis-1,2-Dichloroethene	96	3.998	3.992	0.006	66	154705	24.7	
43 2-Butanone (MEK)	43	4.047	4.040	0.006	100	379810	118.2	
48 Chlorobromomethane	128	4.193	4.186	0.006	90	75157	24.9	
49 Tetrahydrofuran	42	4.211	4.211	0.0	87	251631	118.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
50 Chloroform	83	4.253	4.253	0.0	68	231437	24.0	
52 Cyclohexane	56	4.345	4.338	0.007	87	213656	21.6	
51 1,1,1-Trichloroethane	97	4.345	4.345	0.0	92	162410	25.4	
55 Carbon tetrachloride	117	4.448	4.448	0.0	79	147903	24.1	
54 1,1-Dichloropropene	75	4.466	4.460	0.006	95	186639	24.3	
57 Benzene	78	4.631	4.630	0.001	96	586299	24.4	
58 1,2-Dichloroethane	62	4.685	4.685	0.0	74	176909	25.1	
62 Trichloroethene	95	5.105	5.105	0.0	92	143524	25.0	
64 Methylcyclohexane	83	5.202	5.196	0.006	87	230329	22.1	
65 1,2-Dichloropropane	63	5.306	5.306	0.0	94	139238	24.0	
67 Dibromomethane	93	5.409	5.409	0.0	90	82335	24.8	
68 Dichlorobromomethane	83	5.519	5.519	0.0	93	165246	24.6	
69 2-Chloroethyl vinyl ether	63	5.738	5.738	0.0	91	418593	106.0	
72 cis-1,3-Dichloropropene	75	5.841	5.841	0.0	91	217822	24.6	
73 4-Methyl-2-pentanone (MIBK)	43	5.963	5.963	0.0	96	772726	121.6	
74 Toluene	92	6.060	6.060	0.0	95	377724	24.8	
77 trans-1,3-Dichloropropene	75	6.273	6.273	0.0	88	196180	25.1	
75 Ethyl methacrylate	69	6.304	6.303	0.001	70	185177	23.7	
79 1,1,2-Trichloroethane	83	6.419	6.419	0.0	85	108570	24.9	
81 Tetrachloroethene	166	6.456	6.456	0.0	79	152021	25.3	
82 1,3-Dichloropropane	76	6.541	6.541	0.0	89	223621	24.4	
80 2-Hexanone	43	6.596	6.595	0.001	79	571748	122.8	
83 Chlorodibromomethane	129	6.717	6.717	0.0	87	118608	24.2	
84 Ethylene Dibromide	107	6.802	6.802	0.0	98	131452	25.6	
87 Chlorobenzene	112	7.149	7.155	-0.006	87	417126	25.1	
88 Ethylbenzene	91	7.216	7.216	0.0	98	693266	25.2	
89 1,1,1,2-Tetrachloroethane	131	7.222	7.222	0.0	39	125883	25.4	
90 m-Xylene & p-Xylene	106	7.307	7.307	0.0	97	553804	50.9	
91 o-Xylene	106	7.624	7.630	-0.006	97	269084	25.4	
92 Styrene	104	7.648	7.648	0.0	95	467456	25.5	
95 Bromoform	173	7.837	7.836	0.001	95	66768	19.8	
94 Isopropylbenzene	105	7.910	7.909	0.001	95	703656	24.7	
101 Bromobenzene	156	8.183	8.183	0.0	92	178082	25.0	
97 1,1,2,2-Tetrachloroethane	83	8.214	8.214	0.0	79	177946	24.1	
99 N-Propylbenzene	91	8.238	8.244	-0.006	78	840759	24.4	
100 1,2,3-Trichloropropane	110	8.250	8.250	0.0	58	55451	25.1	
98 trans-1,4-Dichloro-2-butene	53	8.256	8.256	0.0	82	182770	115.5	
103 2-Chlorotoluene	126	8.329	8.329	0.0	97	171437	24.5	
102 1,3,5-Trimethylbenzene	105	8.384	8.384	0.0	64	591899	24.7	
105 4-Chlorotoluene	126	8.421	8.421	0.0	95	181203	24.7	
106 tert-Butylbenzene	134	8.646	8.646	0.0	90	133180	25.0	
107 1,2,4-Trimethylbenzene	105	8.688	8.688	0.0	69	598615	24.9	
109 sec-Butylbenzene	105	8.822	8.822	0.0	93	779991	24.9	
110 4-Isopropyltoluene	119	8.938	8.938	0.0	95	656528	25.2	
111 1,3-Dichlorobenzene	146	8.938	8.938	0.0	71	343900	25.3	
113 1,4-Dichlorobenzene	146	9.011	9.017	-0.006	92	353486	24.7	
115 n-Butylbenzene	91	9.278	9.278	0.0	94	606326	25.1	
116 1,2-Dichlorobenzene	146	9.327	9.327	0.0	93	335231	25.0	
117 1,2-Dibromo-3-Chloropropane	75	10.002	10.002	0.0	79	30847	21.9	
119 1,2,4-Trichlorobenzene	180	10.647	10.647	0.0	91	238204	25.6	
120 Hexachlorobutadiene	225	10.751	10.751	0.0	95	96986	25.4	
121 Naphthalene	128	10.860	10.860	0.0	96	690655	26.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
122 1,2,3-Trichlorobenzene	180	11.049	11.049	0.0	94	221986	26.5	
S 124 Xylenes, Total	1				0		76.2	
S 125 1,2-Dichloroethene, Total	1				0		49.3	
S 126 1,3-Dichloropropene, Total	1				0		49.7	

Report Date: 27-Sep-2011 23:52:59

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973S\20110927-6264.b\S6332.D

Injection Date: 27-Sep-2011 22:43:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 33097

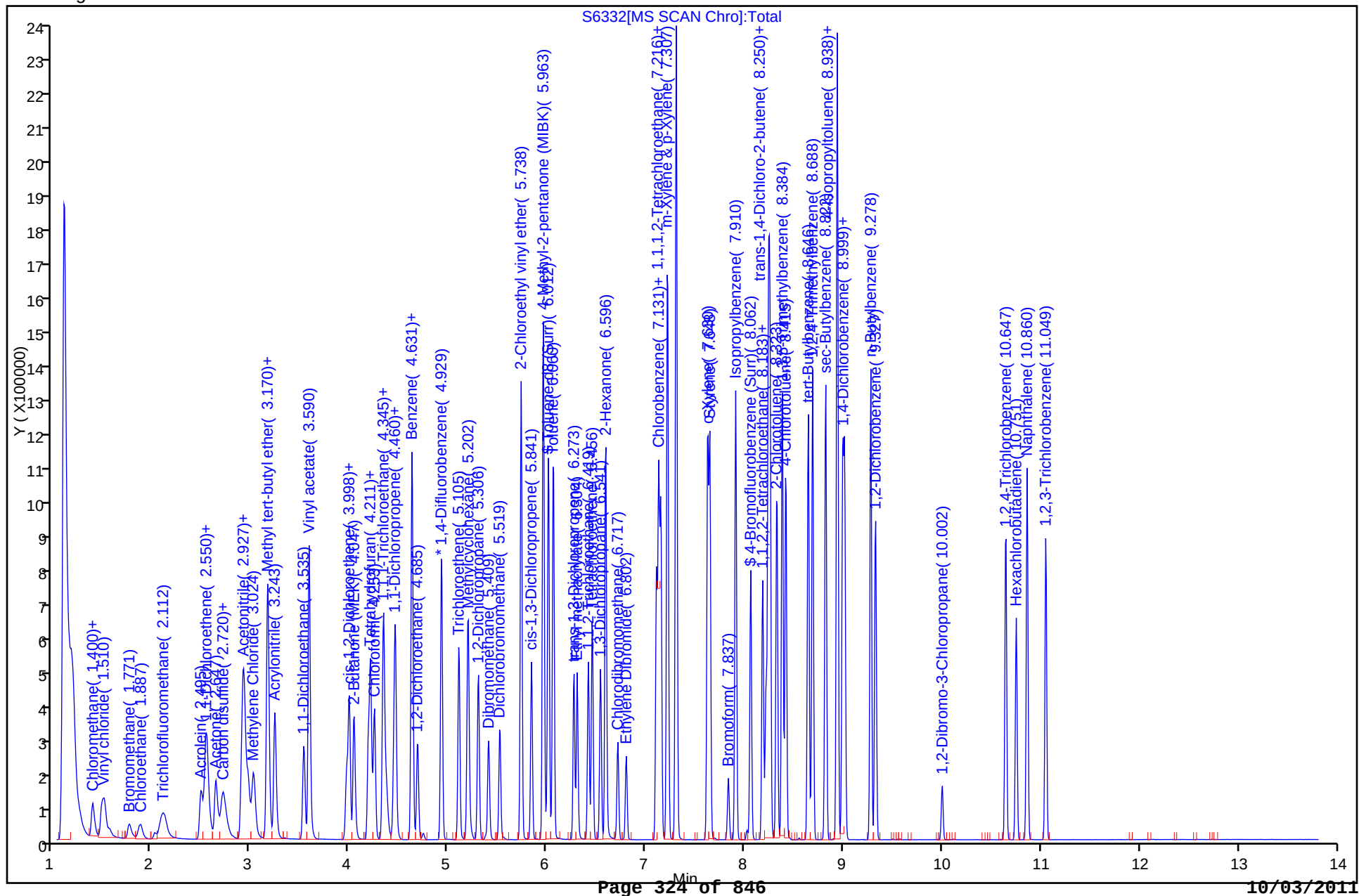
Lims Sample ID: 4

Operator ID: NMD

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Instrument ID: HP5973F Start Date: 08/31/2011 14:02Analysis Batch Number: 29632 End Date: 08/31/2011 20:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-29632/1		08/31/2011 14:02	1	F3627.D	ZB-624 (60) 0.25 (mm)
STD7 480-29632/12 IC		08/31/2011 18:44	1	F3638.D	ZB-624 (60) 0.25 (mm)
STD8 480-29632/13 IC		08/31/2011 19:10	1	F3639.D	ZB-624 (60) 0.25 (mm)
STD9 480-29632/14 IC		08/31/2011 19:35	1	F3640.D	ZB-624 (60) 0.25 (mm)
STD10 480-29632/15 IC		08/31/2011 20:01	1	F3641.D	ZB-624 (60) 0.25 (mm)
STD11 480-29632/16 IC		08/31/2011 20:26	1	F3642.D	ZB-624 (60) 0.25 (mm)
STD12 480-29632/17 IC		08/31/2011 20:52	1	F3643.D	ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Instrument ID: HP5973F Start Date: 09/01/2011 12:36Analysis Batch Number: 29774 End Date: 09/01/2011 16:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-29774/1		09/01/2011 12:36	1	F3645.D	ZB-624 (60) 0.25 (mm)
STD1 480-29774/3 IC		09/01/2011 13:30	1	F3647.D	ZB-624 (60) 0.25 (mm)
STD2 480-29774/4 IC		09/01/2011 13:56	1	F3648.D	ZB-624 (60) 0.25 (mm)
STD3 480-29774/5 IC		09/01/2011 14:22	1	F3649.D	ZB-624 (60) 0.25 (mm)
STD4 480-29774/6 ICIS		09/01/2011 14:47	1	F3650.D	ZB-624 (60) 0.25 (mm)
STD5 480-29774/7 IC		09/01/2011 15:13	1	F3651.D	ZB-624 (60) 0.25 (mm)
STD6 480-29774/8 IC		09/01/2011 15:38	1	F3652.D	ZB-624 (60) 0.25 (mm)
ICV 480-29774/10		09/01/2011 16:30	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-10088-1

SDG No.: _____

Instrument ID: HP5973FStart Date: 09/27/2011 17:41Analysis Batch Number: 33080End Date: 09/28/2011 03:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-33080/1		09/27/2011 17:41	1	F4205.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-33080/2		09/27/2011 18:11	1	F4206.D	ZB-624 (60) 0.25 (mm)
CCV 480-33080/3		09/27/2011 18:46	1	F4207.D	ZB-624 (60) 0.25 (mm)
LCS 480-33080/4		09/27/2011 19:12	1	F4208.D	ZB-624 (60) 0.25 (mm)
MB 480-33080/5		09/27/2011 19:38	1	F4209.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		09/27/2011 20:14	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/27/2011 20:40	1		ZB-624 (60) 0.25 (mm)
480-10088-1	SB-B3 (5-9)	09/27/2011 21:05	1	F4212.D	ZB-624 (60) 0.25 (mm)
480-10088-2	SB-C2 (5-7)	09/27/2011 21:31	1	F4213.D	ZB-624 (60) 0.25 (mm)
480-10088-3	SB-C5 (5-9)	09/27/2011 22:06	1	F4214.D	ZB-624 (60) 0.25 (mm)
480-10088-4	SB-C7 (5-9)	09/27/2011 22:32	1	F4215.D	ZB-624 (60) 0.25 (mm)
480-10088-5	MW-53 (5-8)	09/27/2011 22:57	1	F4216.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		09/27/2011 23:23	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/27/2011 23:48	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/28/2011 00:14	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/28/2011 00:39	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/28/2011 01:05	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/28/2011 01:31	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/28/2011 01:56	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/28/2011 02:21	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/28/2011 02:47	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/28/2011 03:12	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/28/2011 03:38	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Instrument ID: HP5973S Start Date: 09/20/2011 13:54Analysis Batch Number: 32019 End Date: 09/20/2011 20:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-32019/1		09/20/2011 13:54	1	S6119.D	ZB-624 (60) 0.25 (mm)
STD 480-32019/3 IC		09/20/2011 14:39	1	S6121.D	ZB-624 (60) 0.25 (mm)
STD 480-32019/4 IC		09/20/2011 15:00	1	S6122.D	ZB-624 (60) 0.25 (mm)
STD 480-32019/5 IC		09/20/2011 15:23	1	S6123.D	ZB-624 (60) 0.25 (mm)
STD 480-32019/6 ICIS		09/20/2011 15:45	1	S6124.D	ZB-624 (60) 0.25 (mm)
STD 480-32019/7 IC		09/20/2011 16:07	1	S6125.D	ZB-624 (60) 0.25 (mm)
STD 480-32019/8 IC		09/20/2011 16:29	1	S6126.D	ZB-624 (60) 0.25 (mm)
STD 480-32019/10 IC		09/20/2011 17:14	1		ZB-624 (60) 0.25 (mm)
STD 480-32019/11 IC		09/20/2011 17:36	1		ZB-624 (60) 0.25 (mm)
STD 480-32019/12 IC		09/20/2011 17:58	1		ZB-624 (60) 0.25 (mm)
STD 480-32019/13 IC		09/20/2011 18:19	1		ZB-624 (60) 0.25 (mm)
STD 480-32019/14 IC		09/20/2011 18:42	1		ZB-624 (60) 0.25 (mm)
STD 480-32019/15 IC		09/20/2011 19:03	1		ZB-624 (60) 0.25 (mm)
ICV 480-32019/17		09/20/2011 19:48	1		ZB-624 (60) 0.25 (mm)
MDLV 480-32019/18		09/20/2011 20:10	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Instrument ID: HP5973S Start Date: 09/27/2011 21:23Analysis Batch Number: 33097 End Date: 09/28/2011 06:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-33097/1		09/27/2011 21:23	1	S6329.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-33097/2		09/27/2011 21:59	1	S6330.D	ZB-624 (60) 0.25 (mm)
CCV 480-33097/3		09/27/2011 22:21	1		ZB-624 (60) 0.25 (mm)
LCS 480-33097/4		09/27/2011 22:43	1	S6332.D	ZB-624 (60) 0.25 (mm)
MB 480-33097/5		09/27/2011 23:05	1	S6333.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		09/28/2011 00:27	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/28/2011 00:48	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/28/2011 01:10	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/28/2011 01:32	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/28/2011 01:54	40		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/28/2011 02:16	1		ZB-624 (60) 0.25 (mm)
480-10088-6	EB	09/28/2011 02:38	1	S6340.D	ZB-624 (60) 0.25 (mm)
480-10088-7	TRIP BLANK	09/28/2011 03:00	1	S6341.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		09/28/2011 03:22	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/28/2011 03:44	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/28/2011 04:06	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/28/2011 04:28	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/28/2011 04:50	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/28/2011 05:13	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/28/2011 05:34	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/28/2011 05:57	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		09/28/2011 06:19	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Batch Number: 33092 Batch Start Date: 09/27/11 19:24 Batch Analyst: Quirk, Patrick JBatch Method: 5035 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount		
480-10088-A-1	SB-B3 (5-9)	5035, 8260B	T	30.988 g	36.43 g	5.442 g	5 g		
480-10088-A-2	SB-C2 (5-7)	5035, 8260B	T	31.041 g	37.70 g	6.659 g	5 g		
480-10088-A-3	SB-C5 (5-9)	5035, 8260B	T	30.964 g	39.24 g	8.276 g	5 g		
480-10088-A-4	SB-C7 (5-9)	5035, 8260B	T	30.549 g	37.09 g	6.541 g	5 g		
480-10088-A-5	MW-53 (5-8)	5035, 8260B	T	31.112 g	36.88 g	5.768 g	5 g		

Batch Notes	

Basis	Basis Description
T	Total/NA

Method 8270C

Semivolatile Organic Compounds
(GC/MS) by Method 8270C

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Matrix: Solid Level: Low
 GC Column (1): RXI-5Sil MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
SB-B3 (5-9)	480-10088-1	75	84	82	92	95	106
SB-C2 (5-7)	480-10088-2	80	94	88	96	119	115
SB-C5 (5-9)	480-10088-3	66	79	73	85	117	108
SB-C7 (5-9)	480-10088-4	87	101	91	98	129	125
MW-53 (5-8)	480-10088-5	71	77	76	80	99	94
	MB 480-32474/1-A	93	96	92	100	131	128
	LCS 480-32474/2-A	87	91	88	95	121	112
SB-B3 (5-9) MS	480-10088-1 MS	76	86	82	90	104	95
SB-B3 (5-9) MSD	480-10088-1 MSD	84	93	91	95	113	100

	<u>QC LIMITS</u>
2FP = 2-Fluorophenol	18-120
PHL = Phenol-d5	11-120
NBZ = Nitrobenzene-d5	34-132
FBP = 2-Fluorobiphenyl	37-120
TBP = 2,4,6-Tribromophenol	39-146
TPH = p-Terphenyl-d14	58-147

Column to be used to flag recovery values

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Matrix: Water Level: Low
GC Column (1): RXI-5Sil MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
EB	480-10088-6	31	24	72	76	104	84
	MB 480-32537/1-A	40	33	86	77	107	94
	LCS 480-32537/2-A	47	36	89	89	116	106
	LCSD 480-32537/3-A	46	36	89	88	113	102

	<u>QC LIMITS</u>
2FP = 2-Fluorophenol	20-120
PHL = Phenol-d5	16-120
NBZ = Nitrobenzene-d5	46-120
FBP = 2-Fluorobiphenyl	48-120
TBP = 2,4,6-Tribromophenol	52-132
TPH = p-Terphenyl-d14	24-136

Column to be used to flag recovery values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: U4502.D
 Lab ID: LCS 480-32474/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
2,4-Dinitrophenol	3310	3690	111	35-146	
2,4-Dinitrotoluene	3310	3650	110	55-125	
2-Chlorophenol	3310	2890	87	38-120	
4-Chloro-3-methylphenol	3310	3320	100	49-125	
4-Nitrophenol	3310	3330	101	43-137	
Acenaphthene	3310	3510	106	53-120	
Bis(2-ethylhexyl) phthalate	3310	3660	110	61-133	
Fluorene	3310	3620	109	63-126	
Hexachloroethane	3310	2620	79	41-120	
N-Nitrosodi-n-propylamine	3310	3300	100	46-120	
Pentachlorophenol	3310	2770	84	33-136	
Phenol	3310	3010	91	36-120	
Pyrene	3310	3400	103	51-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: X8422.D
 Lab ID: LCS 480-32537/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
2,4-Dinitrophenol	100	107	107	42-153	
2,4-Dinitrotoluene	100	112	112	59-125	
2-Chlorophenol	100	75.3	75	48-120	
4-Chloro-3-methylphenol	100	107	107	64-120	
4-Nitrophenol	100	62.8	63	16-120	
Acenaphthene	100	88.7	89	60-120	
Bis(2-ethylhexyl) phthalate	100	117	117	69-136	
Fluorene	100	101	101	66-129	
Hexachloroethane	100	53.1	53	25-120	
N-Nitrosodi-n-propylamine	100	95.6	96	56-120	
Pentachlorophenol	100	110	110	39-136	
Phenol	100	42.2	42	17-120	
Pyrene	100	104	104	58-136	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: X8423.D
 Lab ID: LCSD 480-32537/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
2,4-Dinitrophenol	100	101	101	6	22	42-153	
2,4-Dinitrotoluene	100	113	113	1	20	59-125	
2-Chlorophenol	100	78.3	78	4	25	48-120	
4-Chloro-3-methylphenol	100	102	102	4	27	64-120	
4-Nitrophenol	100	60.2	60	4	48	16-120	
Acenaphthene	100	88.4	88	0	24	60-120	
Bis(2-ethylhexyl) phthalate	100	114	114	2	15	69-136	
Fluorene	100	102	102	1	15	66-129	
Hexachloroethane	100	54.4	54	2	46	25-120	
N-Nitrosodi-n-propylamine	100	94.0	94	2	31	56-120	
Pentachlorophenol	100	106	106	4	37	39-136	
Phenol	100	43.5	44	3	34	17-120	
Pyrene	100	102	102	2	19	58-136	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: U4529.D
 Lab ID: 480-10088-1 MS Client ID: SB-B3 (5-9) MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
2,4-Dinitrophenol	3930	ND	2350	60	35-146	
2,4-Dinitrotoluene	3930	ND	3970	101	55-125	
2-Chlorophenol	3930	ND	3180	81	38-120	
4-Chloro-3-methylphenol	3930	ND	3440	88	49-125	
4-Nitrophenol	3930	ND	3590	91	43-137	
Acenaphthene	3930	86 J	4010	100	53-120	
Bis(2-ethylhexyl) phthalate	3930	ND	3680	94	61-133	
Fluorene	3930	64 J	3840	96	63-126	
Hexachloroethane	3930	ND	2850	73	41-120	
N-Nitrosodi-n-propylamine	3930	ND	3460	88	46-120	
Pentachlorophenol	3930	ND	2190	56	33-136	
Phenol	3930	ND	3290	84	36-120	
Pyrene	3930	5800	12000	157	51-133	F

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: U4530.D
 Lab ID: 480-10088-1 MSD Client ID: SB-B3 (5-9) MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
2,4-Dinitrophenol	3920	2330	59	1	22	35-146	
2,4-Dinitrotoluene	3920	3970	101	0	20	55-125	
2-Chlorophenol	3920	3470	89	9	25	38-120	
4-Chloro-3-methylphenol	3920	3680	94	7	27	49-125	
4-Nitrophenol	3920	3530	90	2	25	43-137	
Acenaphthene	3920	4150	104	4	35	53-120	
Bis(2-ethylhexyl) phthalate	3920	3820	97	4	15	61-133	
Fluorene	3920	3900	98	1	15	63-126	
Hexachloroethane	3920	3260	83	13	46	41-120	
N-Nitrosodi-n-propylamine	3920	3850	98	11	31	46-120	
Pentachlorophenol	3920	2370	60	8	35	33-136	
Phenol	3920	3610	92	9	35	36-120	
Pyrene	3920	11300	141	6	35	51-133	F

Column to be used to flag recovery and RPD values

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Lab File ID: U4501.D Lab Sample ID: MB 480-32474/1-A
Matrix: Solid Date Extracted: 09/22/2011 15:36
Instrument ID: HP5973U Date Analyzed: 09/23/2011 13:43
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-32474/2-A	U4502.D	09/23/2011 14:07
SB-C2 (5-7)	480-10088-2	U4506.D	09/23/2011 15:59
SB-C5 (5-9)	480-10088-3	U4507.D	09/23/2011 16:23
SB-C7 (5-9)	480-10088-4	U4508.D	09/23/2011 16:46
MW-53 (5-8)	480-10088-5	U4509.D	09/23/2011 17:10
SB-B3 (5-9) MS	480-10088-1 MS	U4529.D	09/26/2011 15:00
SB-B3 (5-9) MSD	480-10088-1 MSD	U4530.D	09/26/2011 15:24
SB-B3 (5-9)	480-10088-1	U4531.D	09/26/2011 15:47

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Lab File ID: X8421.D Lab Sample ID: MB 480-32537/1-A
Matrix: Water Date Extracted: 09/23/2011 07:20
Instrument ID: HP5973X Date Analyzed: 09/27/2011 18:20
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-32537/2-A	X8422.D	09/27/2011 18:43
	LCSD 480-32537/3-A	X8423.D	09/27/2011 19:06
EB	480-10088-6	X8467.D	09/28/2011 13:51

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Lab File ID: U4138.D DFTPP Injection Date: 09/14/2011
Instrument ID: HP5973U DFTPP Injection Time: 14:46
Analysis Batch No.: 31234

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	50.2
68	Less than 2.0 % of mass 69	0.3 (0.7) 1
69	Mass 69 relative abundance	35.9
70	Less than 2.0 % of mass 69	0.1 (0.2) 1
127	40.0 - 60.0 % of mass 198	51.6
197	Less than 1.0 % of mass 198	0.2
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	7.0
275	10.0 - 30.0 % of mass 198	27.3
365	Greater than 1.0 % of mass 198	4.4
441	Present but less than mass 443	10.3
442	Greater than 40.0 % of mass 198	63.5
443	17.0 - 23.0 % of mass 442	12.3 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-31234/2	U4139.D	09/14/2011	15:02
	IC 480-31234/3	U4140.D	09/14/2011	15:25
	IC 480-31234/4	U4141.D	09/14/2011	15:49
	ICIS 480-31234/5	U4142.D	09/14/2011	16:12
	IC 480-31234/6	U4143.D	09/14/2011	16:36
	IC 480-31234/7	U4144.D	09/14/2011	16:59
	IC 480-31234/8	U4145.D	09/14/2011	17:22
	IC 480-31234/9	U4146.D	09/14/2011	17:46
	IC 480-31234/10	U4147.D	09/14/2011	18:09
	IC 480-31234/11	U4148.D	09/14/2011	18:33
	IC 480-31234/12	U4149.D	09/14/2011	18:56
	IC 480-31234/13	U4150.D	09/14/2011	19:20

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Lab File ID: U4498.D DFTPP Injection Date: 09/23/2011
Instrument ID: HP5973U DFTPP Injection Time: 12:41
Analysis Batch No.: 32612

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	46.8
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	32.3
70	Less than 2.0 % of mass 69	0.2 (0.6) 1
127	40.0 - 60.0 % of mass 198	49.0
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.7
275	10.0 - 30.0 % of mass 198	29.6
365	Greater than 1.0 % of mass 198	4.5
441	Present but less than mass 443	11.0
442	Greater than 40.0 % of mass 198	75.5
443	17.0 - 23.0 % of mass 442	15.5 (20.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-32612/2	U4499.D	09/23/2011	12:56
	CCV 480-32612/3	U4500.D	09/23/2011	13:20
	MB 480-32474/1-A	U4501.D	09/23/2011	13:43
	LCS 480-32474/2-A	U4502.D	09/23/2011	14:07
SB-C2 (5-7)	480-10088-2	U4506.D	09/23/2011	15:59
SB-C5 (5-9)	480-10088-3	U4507.D	09/23/2011	16:23
SB-C7 (5-9)	480-10088-4	U4508.D	09/23/2011	16:46
MW-53 (5-8)	480-10088-5	U4509.D	09/23/2011	17:10

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Lab File ID: U4526.D DFTPP Injection Date: 09/26/2011
Instrument ID: HP5973U DFTPP Injection Time: 13:56
Analysis Batch No.: 32845

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	48.5
68	Less than 2.0 % of mass 69	0.2 (0.8) 1
69	Mass 69 relative abundance	32.4
70	Less than 2.0 % of mass 69	0.3 (0.8) 1
127	40.0 - 60.0 % of mass 198	48.7
197	Less than 1.0 % of mass 198	0.3
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.9
275	10.0 - 30.0 % of mass 198	28.3
365	Greater than 1.0 % of mass 198	4.3
441	Present but less than mass 443	9.6
442	Greater than 40.0 % of mass 198	64.1
443	17.0 - 23.0 % of mass 442	13.4 (21.0) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-32845/2	U4527.D	09/26/2011	14:12
	CCV 480-32845/3	U4528.D	09/26/2011	14:37
SB-B3 (5-9) MS	480-10088-1 MS	U4529.D	09/26/2011	15:00
SB-B3 (5-9) MSD	480-10088-1 MSD	U4530.D	09/26/2011	15:24
SB-B3 (5-9)	480-10088-1	U4531.D	09/26/2011	15:47

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Lab File ID: X7374.D DFTPP Injection Date: 09/01/2011
Instrument ID: HP5973X DFTPP Injection Time: 13:22
Analysis Batch No.: 29803

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	35.5
68	Less than 2.0 % of mass 69	0.4 (1.1) 1
69	Mass 69 relative abundance	33.6
70	Less than 2.0 % of mass 69	0.1 (0.3) 1
127	40.0 - 60.0 % of mass 198	44.3
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.7
275	10.0 - 30.0 % of mass 198	27.7
365	Greater than 1.0 % of mass 198	5.4
441	Present but less than mass 443	17.2
442	Greater than 40.0 % of mass 198	119.3
443	17.0 - 23.0 % of mass 442	23.4 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-29803/8	X7381.D	09/01/2011	15:55
	IC 480-29803/9	X7382.D	09/01/2011	16:17
	IC 480-29803/10	X7383.D	09/01/2011	16:40
	IC 480-29803/11	X7384.D	09/01/2011	17:03
	IC 480-29803/12	X7385.D	09/01/2011	17:26
	IC 480-29803/13	X7386.D	09/01/2011	17:48

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Lab File ID: X7696.D DFTPP Injection Date: 09/09/2011
Instrument ID: HP5973X DFTPP Injection Time: 11:35
Analysis Batch No.: 30575

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	33.4
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	34.8
70	Less than 2.0 % of mass 69	0.1 (0.4) 1
127	40.0 - 60.0 % of mass 198	46.0
197	Less than 1.0 % of mass 198	0.1
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	7.5
275	10.0 - 30.0 % of mass 198	27.4
365	Greater than 1.0 % of mass 198	5.1
441	Present but less than mass 443	16.3
442	Greater than 40.0 % of mass 198	124.4
443	17.0 - 23.0 % of mass 442	21.9 (17.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-30575/39	X7701.D	09/09/2011	12:43
	IC 480-30575/40	X7702.D	09/09/2011	13:06
	IC 480-30575/41	X7703.D	09/09/2011	13:29
	ICIS 480-30575/42	X7704.D	09/09/2011	13:52
	IC 480-30575/43	X7705.D	09/09/2011	14:14
	IC 480-30575/44	X7706.D	09/09/2011	14:37

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Lab File ID: X8402.D DFTPP Injection Date: 09/27/2011
Instrument ID: HP5973X DFTPP Injection Time: 11:01
Analysis Batch No.: 32985

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	38.9
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	34.8
70	Less than 2.0 % of mass 69	0.2 (0.6) 1
127	40.0 - 60.0 % of mass 198	44.6
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.7
275	10.0 - 30.0 % of mass 198	24.7
365	Greater than 1.0 % of mass 198	4.5
441	Present but less than mass 443	13.4
442	Greater than 40.0 % of mass 198	97.7
443	17.0 - 23.0 % of mass 442	20.2 (20.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-32985/2	X8403.D	09/27/2011	11:17
	CCV 480-32985/3	X8404.D	09/27/2011	11:40
	MB 480-32537/1-A	X8421.D	09/27/2011	18:20
	LCS 480-32537/2-A	X8422.D	09/27/2011	18:43
	LCSD 480-32537/3-A	X8423.D	09/27/2011	19:06

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Lab File ID: X8459.D DFTPP Injection Date: 09/28/2011
Instrument ID: HP5973X DFTPP Injection Time: 10:35
Analysis Batch No.: 33187

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	40.3
68	Less than 2.0 % of mass 69	0.3 (0.8) 1
69	Mass 69 relative abundance	36.9
70	Less than 2.0 % of mass 69	0.2 (0.5) 1
127	40.0 - 60.0 % of mass 198	46.7
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	7.4
275	10.0 - 30.0 % of mass 198	26.7
365	Greater than 1.0 % of mass 198	4.5
441	Present but less than mass 443	16.0
442	Greater than 40.0 % of mass 198	107.2
443	17.0 - 23.0 % of mass 442	21.8 (20.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-33187/2	X8460.D	09/28/2011	10:50
	CCV 480-33187/3	X8461.D	09/28/2011	11:13
EB	480-10088-6	X8467.D	09/28/2011	13:51

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Sample No.: ICIS 480-31234/5 Date Analyzed: 09/14/2011 16:12
Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): U4142.D Heated Purge: (Y/N) N
Calibration ID: 3881

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	132787	5.82	470810	7.54	314784	9.82	
UPPER LIMIT	265574	6.32	941620	8.04	629568	10.32	
LOWER LIMIT	66394	5.32	235405	7.04	157392	9.32	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-32612/2		123826	5.77	438908	7.50	291187	9.78
CCVIS 480-32845/2		127829	5.77	481557	7.50	316447	9.77

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Sample No.: ICIS 480-31234/5 Date Analyzed: 09/14/2011 16:12
Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): U4142.D Heated Purge: (Y/N) N
Calibration ID: 3881

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	584401	11.52	617280	14.00	625119	15.27	
UPPER LIMIT	1168802	12.02	1234560	14.50	1250238	15.77	
LOWER LIMIT	292201	11.02	308640	13.50	312560	14.77	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-32612/2		541544	11.48	574703	13.96	543922	15.22
CCVIS 480-32845/2		556154	11.48	539700	13.95	532038	15.22

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Sample No.: CCVIS 480-32612/2 Date Analyzed: 09/23/2011 12:56
 Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): U4499.D Heated Purge: (Y/N) N
 Calibration ID: 3885

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	123826	5.77	438908	7.50	291187	9.78	
UPPER LIMIT	247652	6.27	877816	8.00	582374	10.28	
LOWER LIMIT	61913	5.27	219454	7.00	145594	9.28	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-32612/3		118012	5.77	448338	7.50	285976	9.78
MB 480-32474/1-A		94850	5.77	393095	7.50	252064	9.78
LCS 480-32474/2-A		95813	5.78	359468	7.50	232143	9.78
480-10088-2	SB-C2 (5-7)	117173	5.77	473696	7.50	299110	9.78
480-10088-3	SB-C5 (5-9)	112199	5.77	441531	7.50	272442	9.78
480-10088-4	SB-C7 (5-9)	107318	5.78	456529	7.50	288549	9.78
480-10088-5	MW-53 (5-8)	121973	5.78	496525	7.50	328778	9.78

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Sample No.: CCVIS 480-32612/2 Date Analyzed: 09/23/2011 12:56
 Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): U4499.D Heated Purge: (Y/N) N
 Calibration ID: 3885

		PHN		CRY		PRY		
		AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD		541544	11.48	574703	13.96	543922	15.22	
UPPER LIMIT		1083088	11.98	1149406	14.46	1087844	15.72	
LOWER LIMIT		270772	10.98	287352	13.46	271961	14.72	
LAB SAMPLE ID		CLIENT SAMPLE ID						
CCV 480-32612/3		528000	11.48	568600	13.95	542399	15.22	
MB 480-32474/1-A		428014	11.48	433365	13.95	443858	15.22	
LCS 480-32474/2-A		427205	11.48	472824	13.96	461087	15.22	
480-10088-2		SB-C2 (5-7)	476650	11.48	475264	13.95	544105	15.22
480-10088-3		SB-C5 (5-9)	434605	11.48	423261	13.95	480146	15.22
480-10088-4		SB-C7 (5-9)	443001	11.48	416995	13.95	479824	15.22
480-10088-5		MW-53 (5-8)	552305	11.48	508347	13.95	553621	15.22

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Sample No.: CCVIS 480-32845/2 Date Analyzed: 09/26/2011 14:12
 Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): U4527.D Heated Purge: (Y/N) N
 Calibration ID: 3885

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	127829	5.77	481557	7.50	316447	9.77	
UPPER LIMIT	255658	6.27	963114	8.00	632894	10.27	
LOWER LIMIT	63915	5.27	240779	7.00	158224	9.27	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-32845/3		148266	5.77	539579	7.50	340866	9.77
480-10088-1 MS	SB-B3 (5-9) MS	101375	5.77	375107	7.50	212427	9.78
480-10088-1 MSD	SB-B3 (5-9) MSD	105761	5.77	399770	7.50	237126	9.78
480-10088-1	SB-B3 (5-9)	104585	5.77	410534	7.50	242757	9.77

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Sample No.: CCVIS 480-32845/2 Date Analyzed: 09/26/2011 14:12
 Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): U4527.D Heated Purge: (Y/N) N
 Calibration ID: 3885

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	556154	11.48	539700	13.95	532038	15.22	
UPPER LIMIT	1112308	11.98	1079400	14.45	1064076	15.72	
LOWER LIMIT	278077	10.98	269850	13.45	266019	14.72	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-32845/3		595387	11.48	632898	13.95	576001	15.22
480-10088-1 MS	SB-B3 (5-9) MS	356329	11.48	430901	13.96	472604	15.22
480-10088-1 MSD	SB-B3 (5-9) MSD	386706	11.48	420317	13.96	469559	15.22
480-10088-1	SB-B3 (5-9)	396031	11.48	396037	13.95	470224	15.22

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Sample No.: ICIS 480-30575/42 Date Analyzed: 09/09/2011 13:52
Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): X7704.D Heated Purge: (Y/N) N
Calibration ID: 3852

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	211095	5.11	761012	6.70	509184	8.77	
UPPER LIMIT	422190	5.61	1522024	7.20	1018368	9.27	
LOWER LIMIT	105548	4.61	380506	6.20	254592	8.27	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-32985/2		231513	4.67	876169	6.30	575078	8.37
CCVIS 480-33187/2		249213	4.65	945681	6.28	634134	8.35

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Sample No.: ICIS 480-30575/42 Date Analyzed: 09/09/2011 13:52
Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): X7704.D Heated Purge: (Y/N) N
Calibration ID: 3852

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		856863	10.43	871795	12.86	871518	13.98
UPPER LIMIT		1713726	10.93	1743590	13.36	1743036	14.48
LOWER LIMIT		428432	9.93	435898	12.36	435759	13.48
LAB SAMPLE ID		CLIENT SAMPLE ID					
CCVIS 480-32985/2		928831	10.06	1006861	12.52	1015050	13.62
CCVIS 480-33187/2		1030532	10.04	1130596	12.50	1124962	13.60

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Sample No.: CCVIS 480-32985/2 Date Analyzed: 09/27/2011 11:17
 Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): X8403.D Heated Purge: (Y/N) N
 Calibration ID: 3852

	DCB		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	231513	4.67	876169	6.30	575078	8.37
UPPER LIMIT	463026	5.17	1752338	6.80	1150156	8.87
LOWER LIMIT	115757	4.17	438085	5.80	287539	7.87
LAB SAMPLE ID	CLIENT SAMPLE ID					
CCV 480-32985/3	263790	4.67	966703	6.30	592774	8.37
MB 480-32537/1-A	231932	4.67	882506	6.30	577672	8.37
LCS 480-32537/2-A	238419	4.67	912359	6.30	603261	8.38
LCSD 480-32537/3-A	243868	4.67	941257	6.30	622472	8.38

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Sample No.: CCVIS 480-32985/2 Date Analyzed: 09/27/2011 11:17
Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): X8403.D Heated Purge: (Y/N) N
Calibration ID: 3852

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	928831	10.06	1006861	12.52	1015050	13.62	
UPPER LIMIT	1857662	10.56	2013722	13.02	2030100	14.12	
LOWER LIMIT	464416	9.56	503431	12.02	507525	13.12	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-32985/3		957227	10.06	1041437	12.51	1124657	13.62
MB 480-32537/1-A		927119	10.06	936927	12.52	934208	13.62
LCS 480-32537/2-A		976997	10.07	1043738	12.52	969182	13.63
LCSD 480-32537/3-A		1049062	10.07	1110813	12.52	1024196	13.63

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Sample No.: CCVIS 480-33187/2 Date Analyzed: 09/28/2011 10:50
Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): X8460.D Heated Purge: (Y/N) N
Calibration ID: 3852

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		249213	4.65	945681	6.28	634134	8.35
UPPER LIMIT		498426	5.15	1891362	6.78	1268268	8.85
LOWER LIMIT		124607	4.15	472841	5.78	317067	7.85
LAB SAMPLE ID		CLIENT SAMPLE ID					
CCV 480-33187/3		362251	4.65	1295835	6.28	785481	8.34
480-10088-6		EB	234139	4.65	910880	6.28	580318

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Sample No.: CCVIS 480-33187/2 Date Analyzed: 09/28/2011 10:50
Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): X8460.D Heated Purge: (Y/N) N
Calibration ID: 3852

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1030532	10.04	1130596	12.50	1124962	13.60
UPPER LIMIT		2061064	10.54	2261192	13.00	2249924	14.10
LOWER LIMIT		515266	9.54	565298	12.00	562481	13.10
LAB SAMPLE ID		CLIENT SAMPLE ID					
CCV 480-33187/3		1310186	10.04	1404140	12.50	1544733	13.60
480-10088-6		EB	928009	10.03	937555	12.49	989135

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-10088-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-B3 (5-9)</u>	Lab Sample ID: <u>480-10088-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>U4531.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/19/2011 12:50</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/22/2011 15:36</u>
Sample wt/vol: <u>+30.43(g)</u>	Date Analyzed: <u>09/26/2011 15:47</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>16.4</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>32845</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		400	87
88-06-2	2,4,6-Trichlorophenol	ND		400	26
120-83-2	2,4-Dichlorophenol	ND		400	21
105-67-9	2,4-Dimethylphenol	ND		400	110
51-28-5	2,4-Dinitrophenol	ND		780	140
121-14-2	2,4-Dinitrotoluene	ND		400	62
606-20-2	2,6-Dinitrotoluene	ND		400	97
91-58-7	2-Chloronaphthalene	ND		400	27
95-57-8	2-Chlorophenol	ND		400	20
91-57-6	2-Methylnaphthalene	55	J	400	4.8
95-48-7	2-Methylphenol	ND		400	12
88-74-4	2-Nitroaniline	ND		780	130
88-75-5	2-Nitrophenol	ND		400	18
91-94-1	3,3'-Dichlorobenzidine	ND		400	350
99-09-2	3-Nitroaniline	ND		780	91
534-52-1	4,6-Dinitro-2-methylphenol	ND		780	140
101-55-3	4-Bromophenyl phenyl ether	ND		400	130
59-50-7	4-Chloro-3-methylphenol	ND		400	16
106-47-8	4-Chloroaniline	ND		400	120
7005-72-3	4-Chlorophenyl phenyl ether	ND		400	8.5
106-44-5	4-Methylphenol	ND		780	22
100-01-6	4-Nitroaniline	ND		780	44
100-02-7	4-Nitrophenol	ND		780	96
83-32-9	Acenaphthene	86	J	400	4.7
208-96-8	Acenaphthylene	68	J	400	3.3
98-86-2	Acetophenone	ND		400	20
120-12-7	Anthracene	360	J	400	10
1912-24-9	Atrazine	ND		400	18
100-52-7	Benzaldehyde	ND		400	44
56-55-3	Benzo(a)anthracene	3800		400	6.9
50-32-8	Benzo(a)pyrene	3900		400	9.6
205-99-2	Benzo(b)fluoranthene	5600		400	7.7
191-24-2	Benzo(g,h,i)perylene	3500		400	4.8
207-08-9	Benzo(k)fluoranthene	2400		400	4.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-10088-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-B3 (5-9)</u>	Lab Sample ID: <u>480-10088-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>U4531.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/19/2011 12:50</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/22/2011 15:36</u>
Sample wt/vol: <u>+30.43(g)</u>	Date Analyzed: <u>09/26/2011 15:47</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>16.4</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>32845</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		400	25
108-60-1	bis (2-chloroisopropyl) ether	ND		400	42
111-91-1	Bis(2-chloroethoxy)methane	ND		400	22
111-44-4	Bis(2-chloroethyl)ether	ND		400	34
117-81-7	Bis(2-ethylhexyl) phthalate	ND		400	130
85-68-7	Butyl benzyl phthalate	ND		400	110
105-60-2	Caprolactam	ND		400	170
86-74-8	Carbazole	230	J	400	4.6
218-01-9	Chrysene	5000		400	4.0
53-70-3	Dibenz (a,h) anthracene	ND		400	4.7
132-64-9	Dibenzofuran	47	J	400	4.1
84-66-2	Diethyl phthalate	18	J	400	12
131-11-3	Dimethyl phthalate	ND		400	10
84-74-2	Di-n-butyl phthalate	ND		400	140
117-84-0	Di-n-octyl phthalate	ND		400	9.3
206-44-0	Fluoranthene	5700		400	5.8
86-73-7	Fluorene	64	J	400	9.2
118-74-1	Hexachlorobenzene	ND		400	20
87-68-3	Hexachlorobutadiene	ND		400	20
77-47-4	Hexachlorocyclopentadiene	ND		400	120
67-72-1	Hexachloroethane	ND		400	31
193-39-5	Indeno (1,2,3-cd)pyrene	2700		400	11
78-59-1	Isophorone	ND		400	20
91-20-3	Naphthalene	78	J	400	6.6
98-95-3	Nitrobenzene	ND		400	18
621-64-7	N-Nitrosodi-n-propylamine	ND		400	32
86-30-6	N-Nitrosodiphenylamine	ND		400	22
87-86-5	Pentachlorophenol	ND		780	140
85-01-8	Phenanthrene	1700		400	8.3
108-95-2	Phenol	ND		400	42
129-00-0	Pyrene	5800		400	2.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: SB-B3 (5-9) Lab Sample ID: 480-10088-1
Matrix: Solid Lab File ID: U4531.D
Analysis Method: 8270C Date Collected: 09/19/2011 12:50
Extract. Method: 3550B Date Extracted: 09/22/2011 15:36
Sample wt/vol: +30.43(g) Date Analyzed: 09/26/2011 15:47
Con. Extract Vol.: 1(mL) Dilution Factor: 2
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 16.4 GPC Cleanup: (Y/N) N
Analysis Batch No.: 32845 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	95		39-146
321-60-8	2-Fluorobiphenyl	92		37-120
367-12-4	2-Fluorophenol	75		18-120
4165-60-0	Nitrobenzene-d5	82		34-132
4165-62-2	Phenol-d5	84		11-120
1718-51-0	p-Terphenyl-d14	106		58-147

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: SB-B3 (5-9) Lab Sample ID: 480-10088-1
Matrix: Solid Lab File ID: U4531.D
Analysis Method: 8270C Date Collected: 09/19/2011 12:50
Extract. Method: 3550B Date Extracted: 09/22/2011 15:36
Sample wt/vol: +30.43(g) Date Analyzed: 09/26/2011 15:47
Con. Extract Vol.: 1(mL) Dilution Factor: 2
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 16.4 GPC Cleanup: (Y/N) N
Analysis Batch No.: 32845 Units: ug/Kg
Number TICs Found: 3 TIC Result Total: 2160

CAS NO.	COMPOUND NAME	RT	RESULT	Q
243-17-4	11H-Benzo[b]fluorene	13.18	530	T J N
84-15-1	o-Terphenyl	13.81	330	T J N
192-97-2	Benzo[e]pyrene	15.25	1300	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D
 Lims ID: 480-10088-E-1-C Client ID: SB-B3 (5-9)
 Inject. Date: 26-Sep-2011 15:47:30 Dil. Factor: 2.0000
 Sample Type: Client
 Sample ID: 480-0006230-006
 Misc. Info.: 480-10088-E-1-C
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 32845 Lims Sample ID: 6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U-8270.m
 Last Update: 27-Sep-2011 10:15:52 Calib Date: 14-Sep-2011 21:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 26-Sep-2011 17:05:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.768	5.774	-0.006	94	104585	40.0	
* 2 Naphthalene-d8	136	7.499	7.499	0.0	99	410534	40.0	
* 3 Acenaphthene-d10	164	9.769	9.770	-0.001	96	242757	40.0	
* 4 Phenanthrene-d10	188	11.479	11.479	0.0	97	396031	40.0	
* 5 Chrysene-d12	240	13.952	13.947	0.005	96	396037	40.0	
* 6 Perylene-d12	264	15.224	15.219	0.005	97	470224	40.0	
\$ 9 2-Fluorophenol	112	3.904	3.904	0.0	95	166277	56.2	
\$ 10 Phenol-d5	99	5.314	5.319	-0.005	79	225286	63.2	
\$ 11 Nitrobenzene-d5	82	6.537	6.537	0.0	84	157061	41.1	
\$ 12 2-Fluorobiphenyl	172	8.920	8.920	0.0	99	359136	45.8	
\$ 13 2,4,6-Tribromophenol	330	10.726	10.731	-0.005	97	84035	71.0	
\$ 14 p-Terphenyl-d14	244	13.018	13.017	0.001	96	473118	53.2	
88 Benzaldehyde	77		5.143					
89 Phenol	94		5.335					
91 Bis(2-chloroethyl)ether	93		5.405					
93 2-Chlorophenol	128		5.490					
98 2-Methylphenol	108		6.174					
99 2,2'-oxybis[1-chloropropane]	45		6.174					
104 Acetophenone	105		6.334					
101 N-Nitrosodi-n-propylamine	70		6.350					
102 4-Methylphenol	108		6.393					
106 Hexachloroethane	117		6.468					
107 Nitrobenzene	77		6.564					
110 Isophorone	82		6.895					
111 2-Nitrophenol	139		6.997					
112 2,4-Dimethylphenol	107		7.104					
115 Bis(2-chloroethoxy)methane	93		7.200					
117 2,4-Dichlorophenol	162		7.339					
121 Naphthalene	128	7.526	7.526	0.0	5	10269	0.9874	
123 4-Chloroaniline	127		7.616					
126 Hexachlorobutadiene	225		7.718					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113		8.033					
131 4-Chloro-3-methylphenol	107		8.290					
133 2-Methylnaphthalene	142	8.439	8.439	0.0	22	5271	0.6973	
136 Hexachlorocyclopentadiene	237		8.663					
139 2,4,6-Trichlorophenol	196		8.824					
140 2,4,5-Trichlorophenol	196		8.877					
144 1,1'-Biphenyl	154	9.043	9.043	0.0	1	2010	0.2164	
143 2-Chloronaphthalene	162		9.059					
145 2-Nitroaniline	65		9.208					
147 Dimethyl phthalate	163		9.449					
148 2,6-Dinitrotoluene	165		9.518					
149 Acenaphthylene	152	9.588	9.588	0.0	49	8629	0.8601	
150 3-Nitroaniline	138		9.732					
151 Acenaphthene	153	9.812	9.812	0.0	44	7134	1.10	
152 2,4-Dinitrophenol	184		9.866					
153 4-Nitrophenol	109		9.999					
155 Dibenzofuran	168	10.026	10.031	-0.005	37	6179	0.5982	
154 2,4-Dinitrotoluene	165		10.031					
160 Diethyl phthalate	149	10.320	10.330	-0.010	1	1992	0.2349	
161 Fluorene	166	10.437	10.442	-0.005	37	6891	0.8146	
162 4-Chlorophenyl phenyl ether	204		10.448					
164 4-Nitroaniline	138		10.485					
166 4,6-Dinitro-2-methylphenol	198		10.528					
167 N-Nitrosodiphenylamine	169		10.592					
176 4-Bromophenyl phenyl ether	248		11.003					
177 Hexachlorobenzene	284		11.089					
180 Atrazine	200		11.196					
181 Pentachlorophenol	266		11.303					
185 Phenanthrene	178	11.500	11.506	-0.006	83	241121	21.8	
188 Anthracene	178	11.554	11.559	-0.005	89	50533	4.58	
189 Carbazole	167	11.725	11.730	-0.005	78	27421	2.92	
192 Di-n-butyl phthalate	149	12.077	12.077	0.0	24	2736	0.2344	
197 Fluoranthene	202	12.676	12.676	0.0	95	895241	72.1	
199 Pyrene	202	12.884	12.884	0.0	98	860156	73.6	
205 Butyl benzyl phthalate	149		13.439					
208 3,3'-Dichlorobenzidine	252		13.910					
210 Bis(2-ethylhexyl) phthalate	149		13.926					
209 Benzo[a]anthracene	228	13.942	13.942	0.0	96	568395	48.6	
211 Chrysene	228	13.974	13.979	-0.005	89	682943	63.0	
212 Di-n-octyl phthalate	149		14.449					
213 Benzo[b]fluoranthene	252	14.871	14.866	0.005	92	1018301	70.9	M
214 Benzo[k]fluoranthene	252	14.887	14.893	-0.006	95	453555	30.9	M
217 Benzo[a]pyrene	252	15.171	15.170	0.0	99	595243	49.8	
219 Indeno[1,2,3-cd]pyrene	276	16.330	16.335	-0.005	83	528532	33.9	
220 Dibenz(a,h)anthracene	278		16.335					
221 Benzo[g,h,i]perylene	276	16.656	16.655	0.001	93	506162	44.2	

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D
 Lims ID: 480-10088-E-1-C Client ID: SB-B3 (5-9)
 Inject. Date: 26-Sep-2011 15:47:30 Dil. Factor: 2.0000
 Sample Type: Client
 Sample ID: 480-0006230-006
 Misc. Info.: 480-10088-E-1-C
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 32845 Lims Sample ID: 6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U-8270.m
 Last Update: 27-Sep-2011 10:15:52 Calib Date: 14-Sep-2011 21:40:30
 Tic RT Window: 1.500 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\Bufchrom\ChromData\Database\NIST98.L
 Min. Match: 85
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 26-Sep-2011 17:05:31

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
n-Octadecane	11.426	10078		
2-Methylantracene	12.067	11862		
Benzo[e]pyrene	15.122	534918		

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
243-17-4	11H-Benzo[b]fluorene					
13.183	469674	6.70	5	87	126770	
84-15-1	o-Terphenyl					
13.814	297807	4.25	5	46	127144	
192-97-2	Benzo[e]pyrene					
15.245	509619	16.6	6	90	127650	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 5 Chrysene-d12	13.947	2804671	40.0
* 6 Perylene-d12	15.224	1227454	40.0

QC Flag Legend

Processing Flags

Report Date: 27-Sep-2011 10:15:52

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D

Injection Date: 26-Sep-2011 15:47:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 6

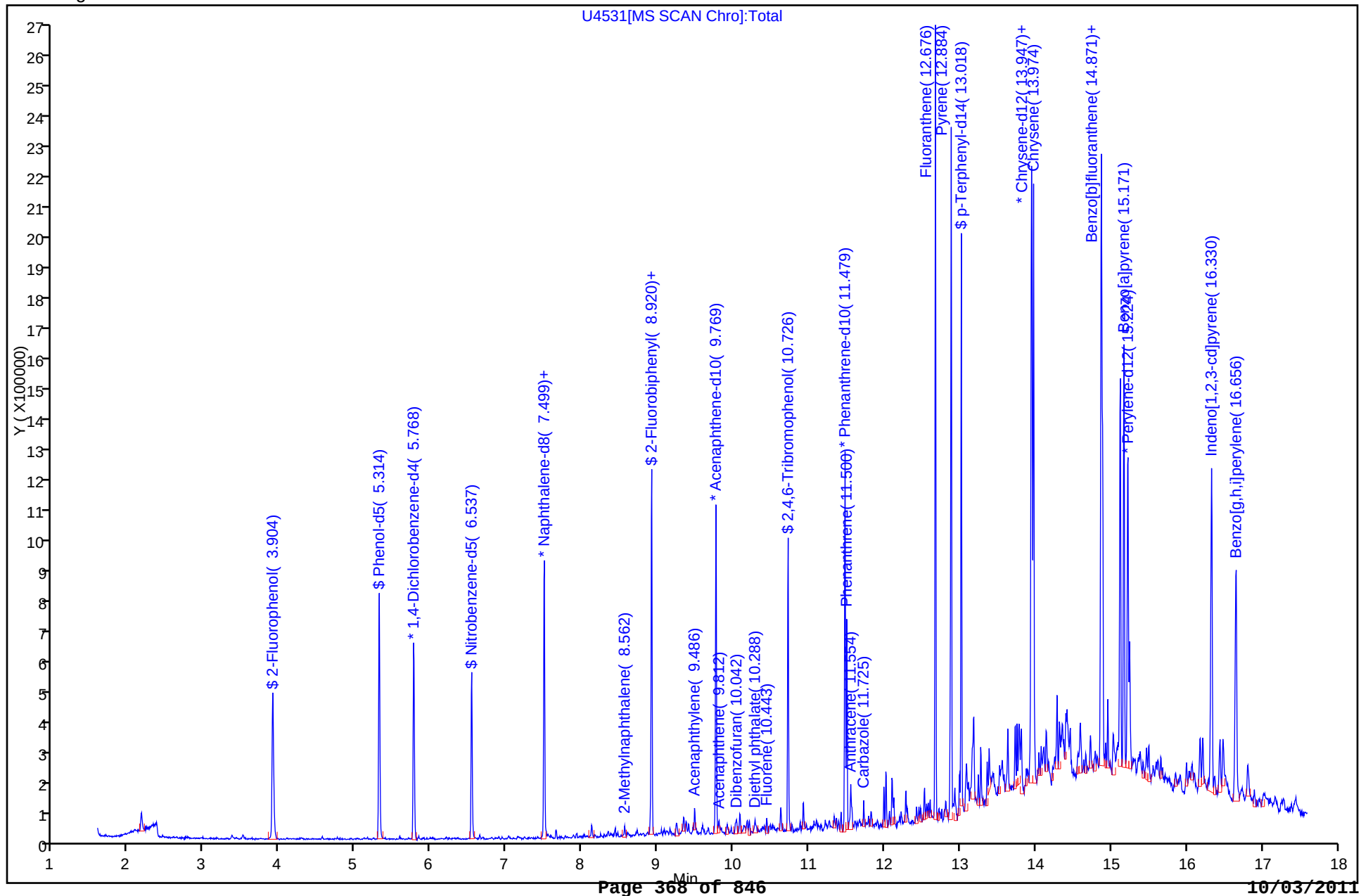
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



Report Date: 27-Sep-2011 10:15:52

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D

Injection Date: 26-Sep-2011 15:47:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 6

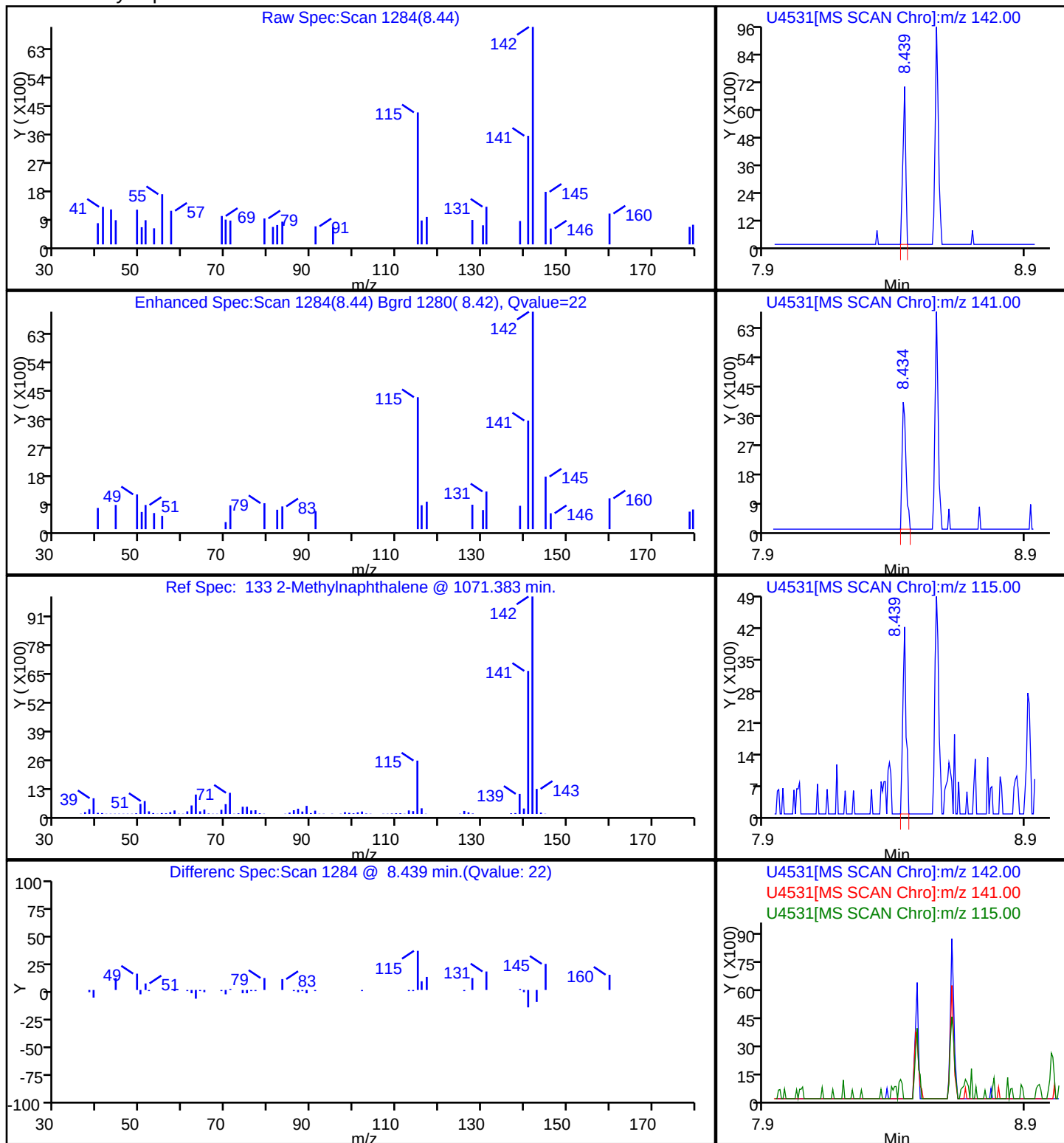
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

133 2-Methylnaphthalene



Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D

Injection Date: 26-Sep-2011 15:47:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 6

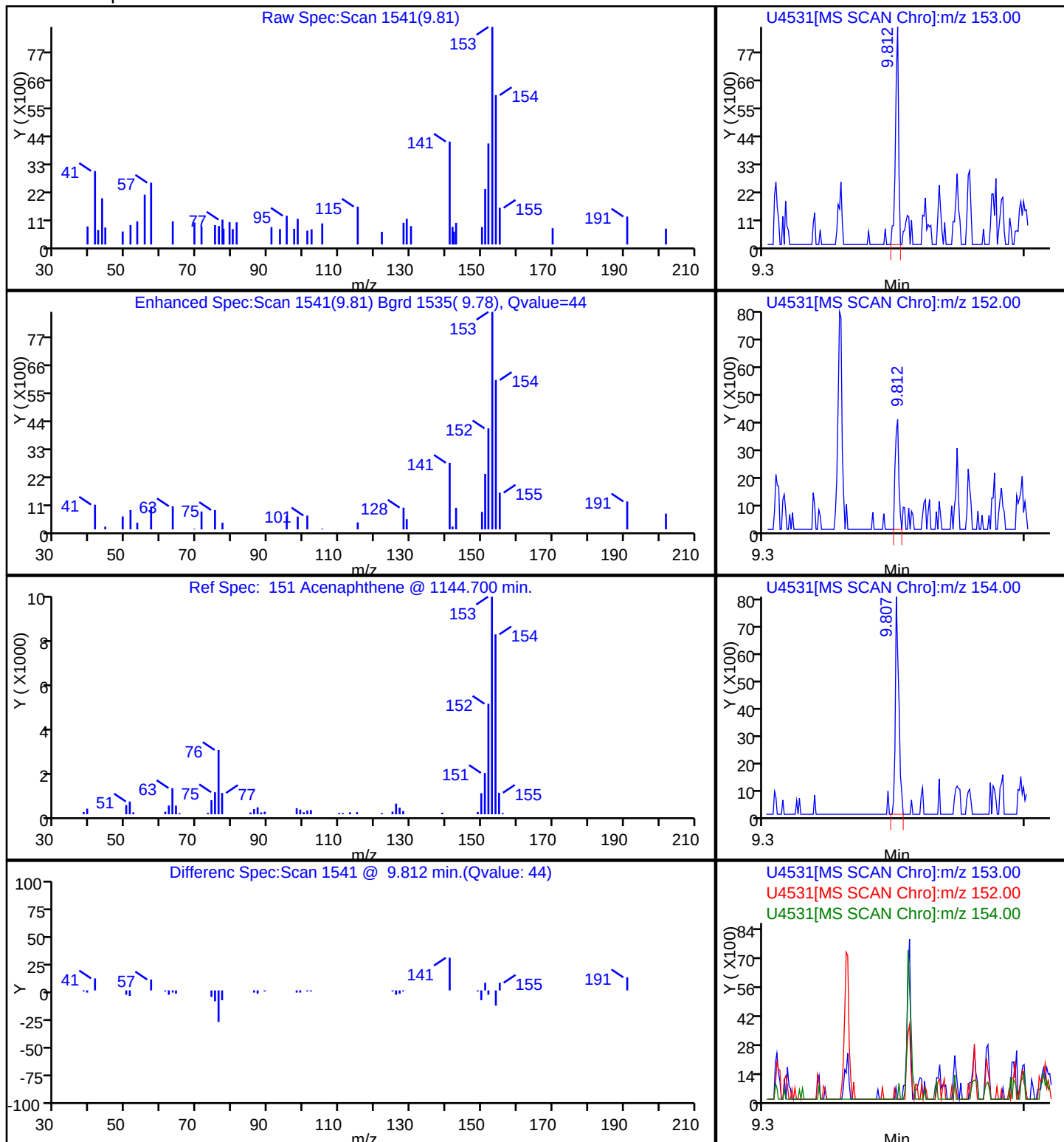
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

151 Acenaphthene



Report Date: 27-Sep-2011 10:15:52

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D

Injection Date: 26-Sep-2011 15:47:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 6

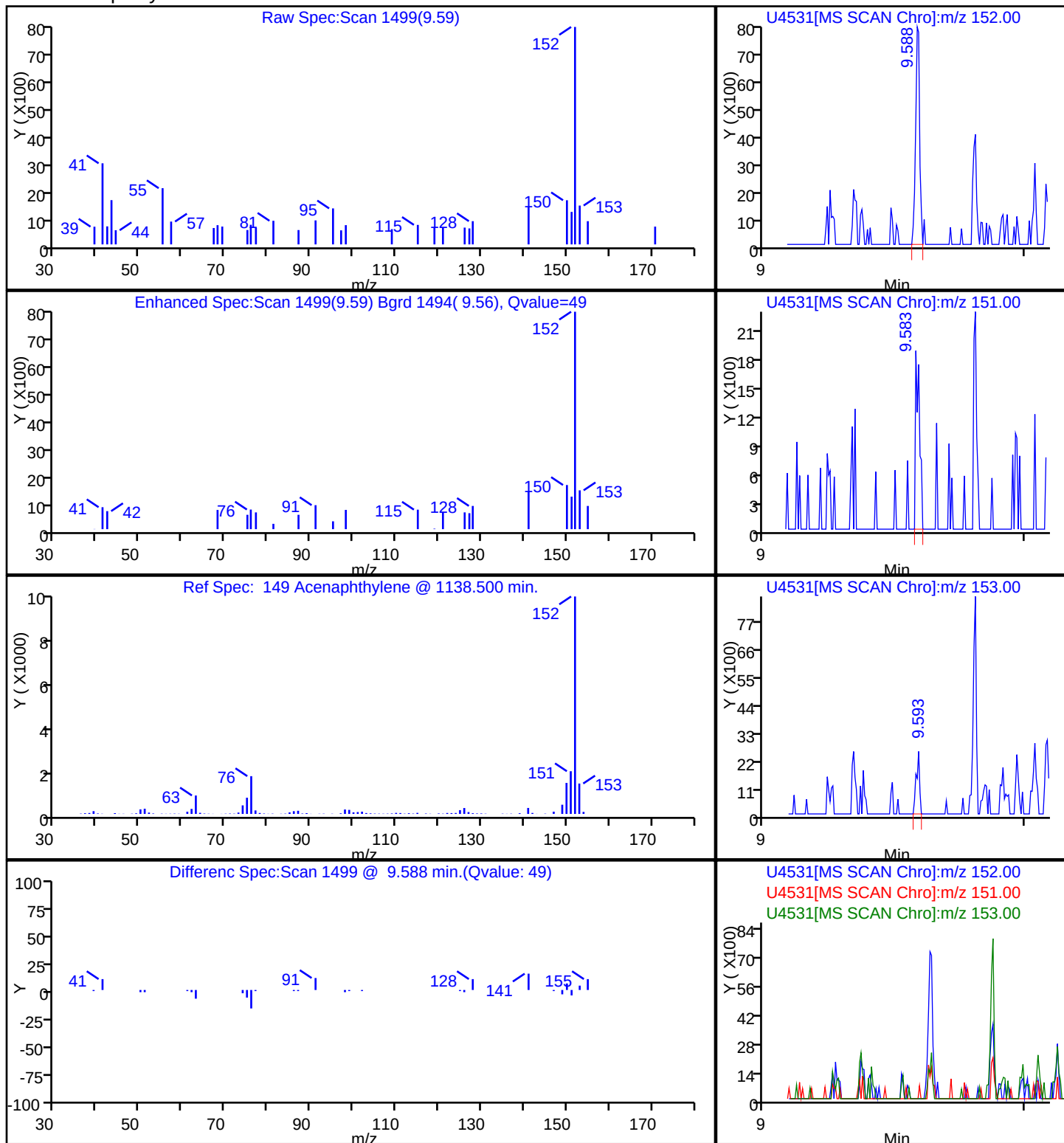
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

149 Acenaphthylene



Report Date: 27-Sep-2011 10:15:52

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D

Injection Date: 26-Sep-2011 15:47:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 6

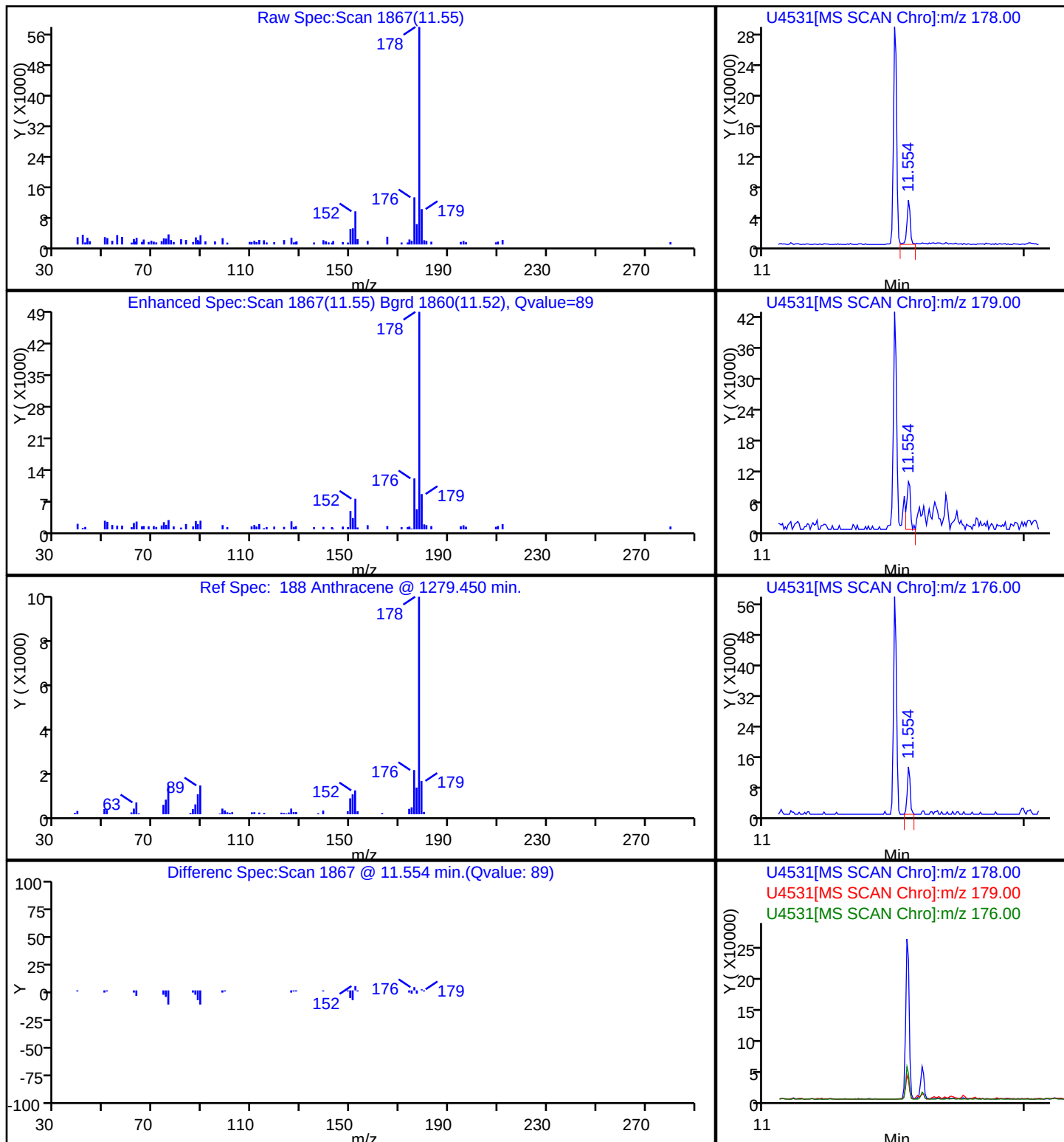
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

188 Anthracene



Report Date: 27-Sep-2011 10:15:53

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D

Injection Date: 26-Sep-2011 15:47:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 6

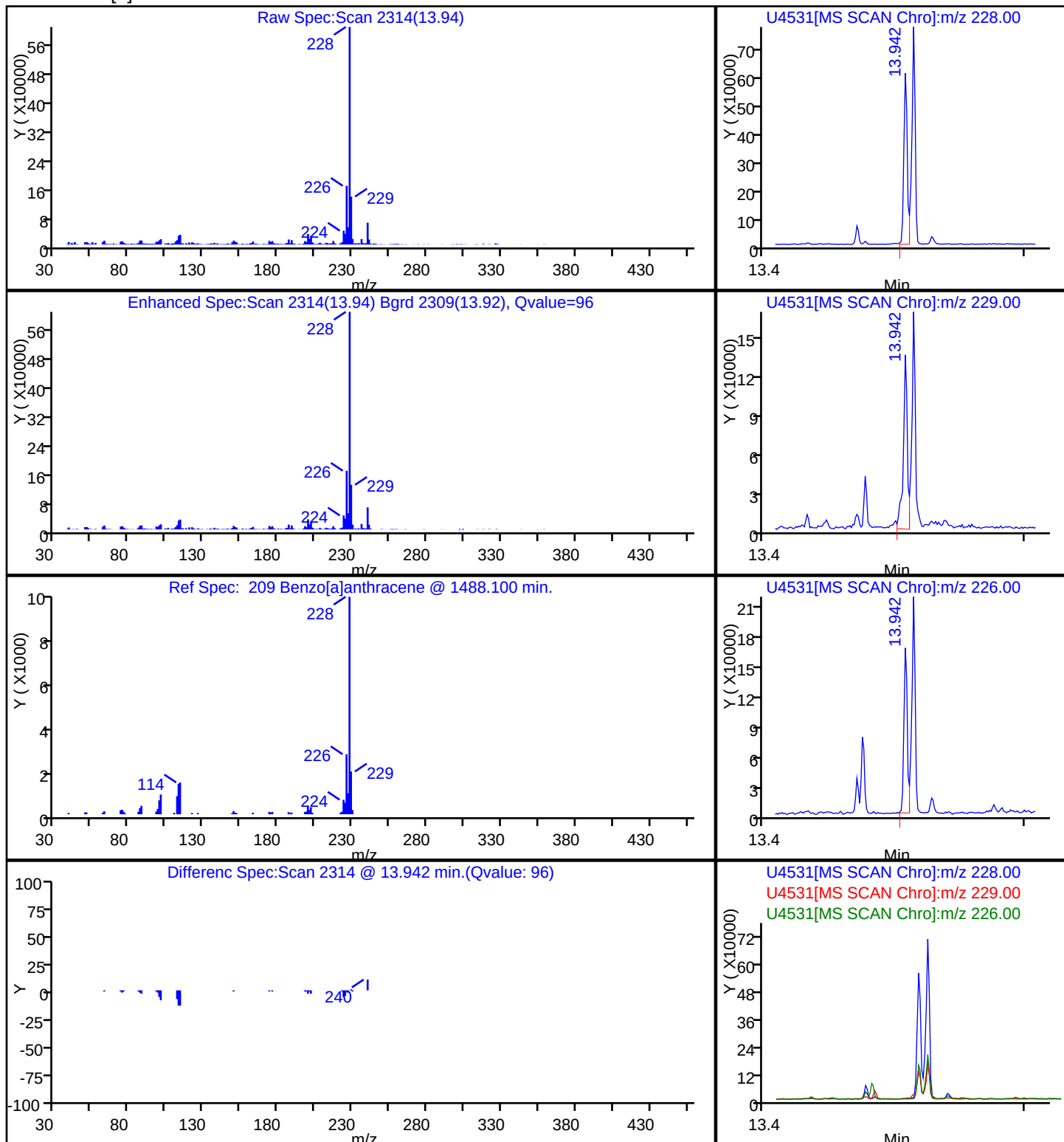
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

209 Benzo[a]anthracene



Report Date: 27-Sep-2011 10:15:53

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D

Injection Date: 26-Sep-2011 15:47:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 6

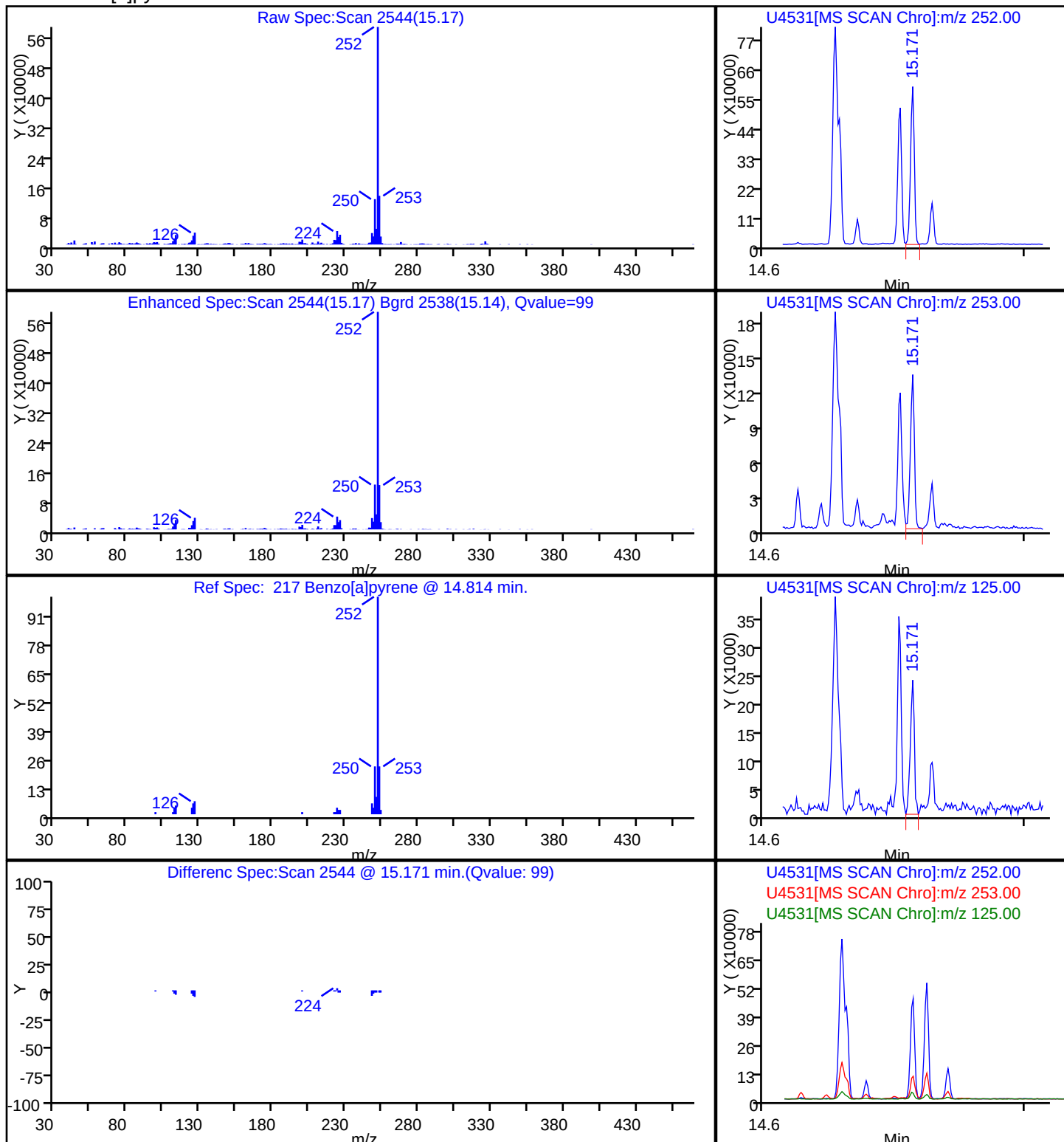
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

217 Benzo[a]pyrene



Data File:

\\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D

Injection Date: 26-Sep-2011 15:47:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 6

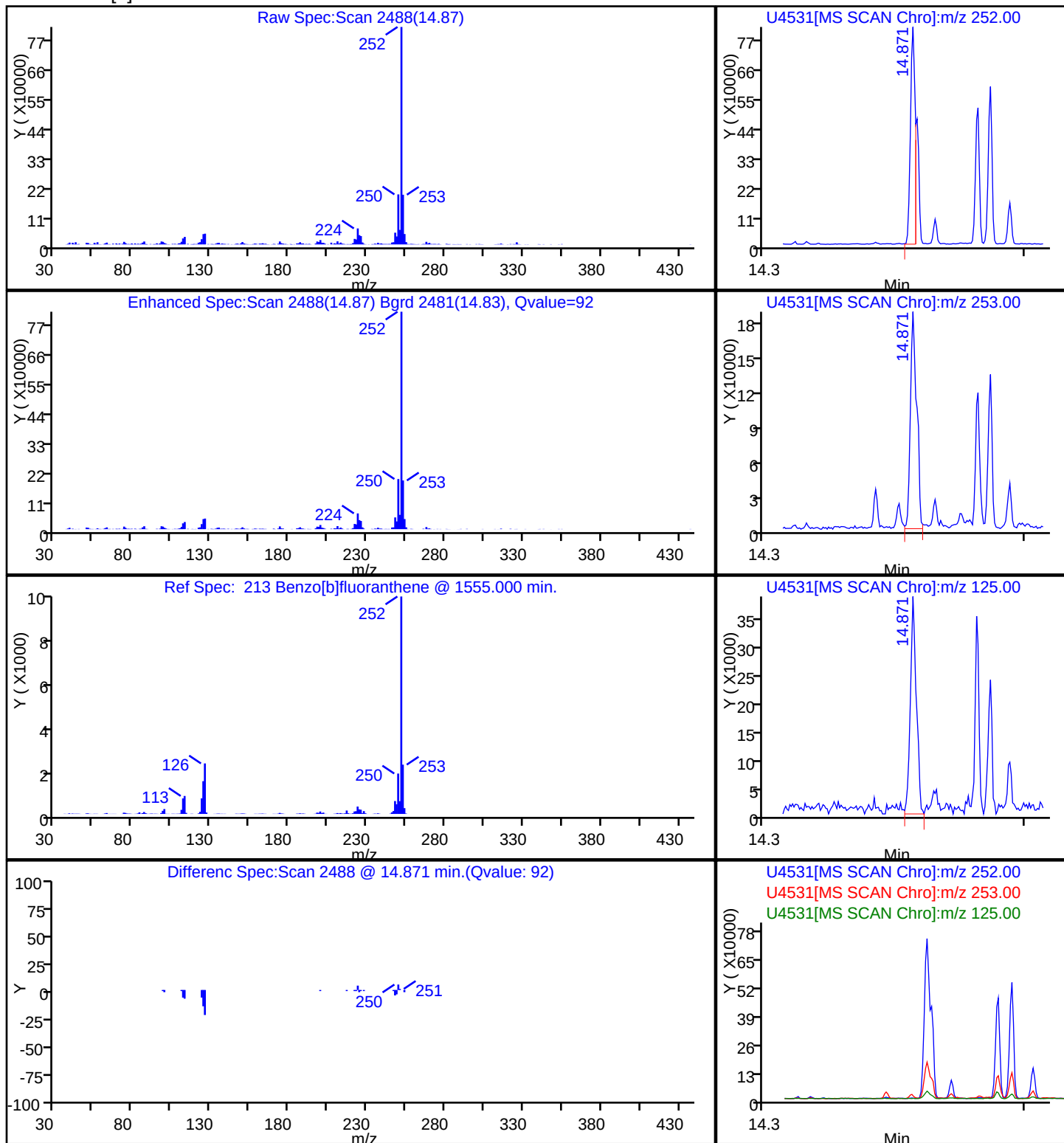
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

213 Benzo[b]fluoranthene



Report Date: 27-Sep-2011 10:15:53

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D

Injection Date: 26-Sep-2011 15:47:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 6

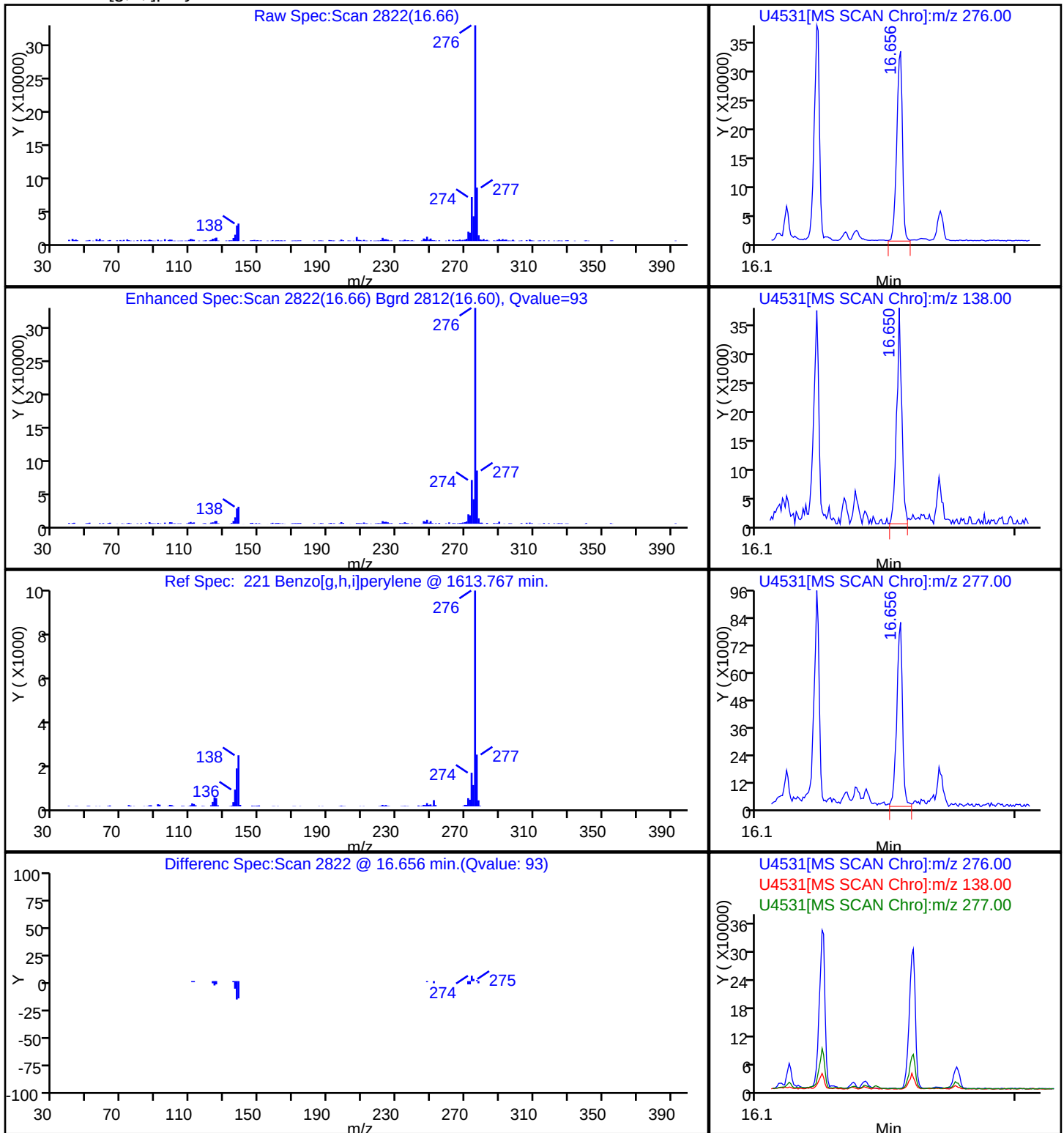
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

221 Benzo[g,h,i]perylene



Report Date: 27-Sep-2011 10:15:53

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D

Injection Date: 26-Sep-2011 15:47:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 6

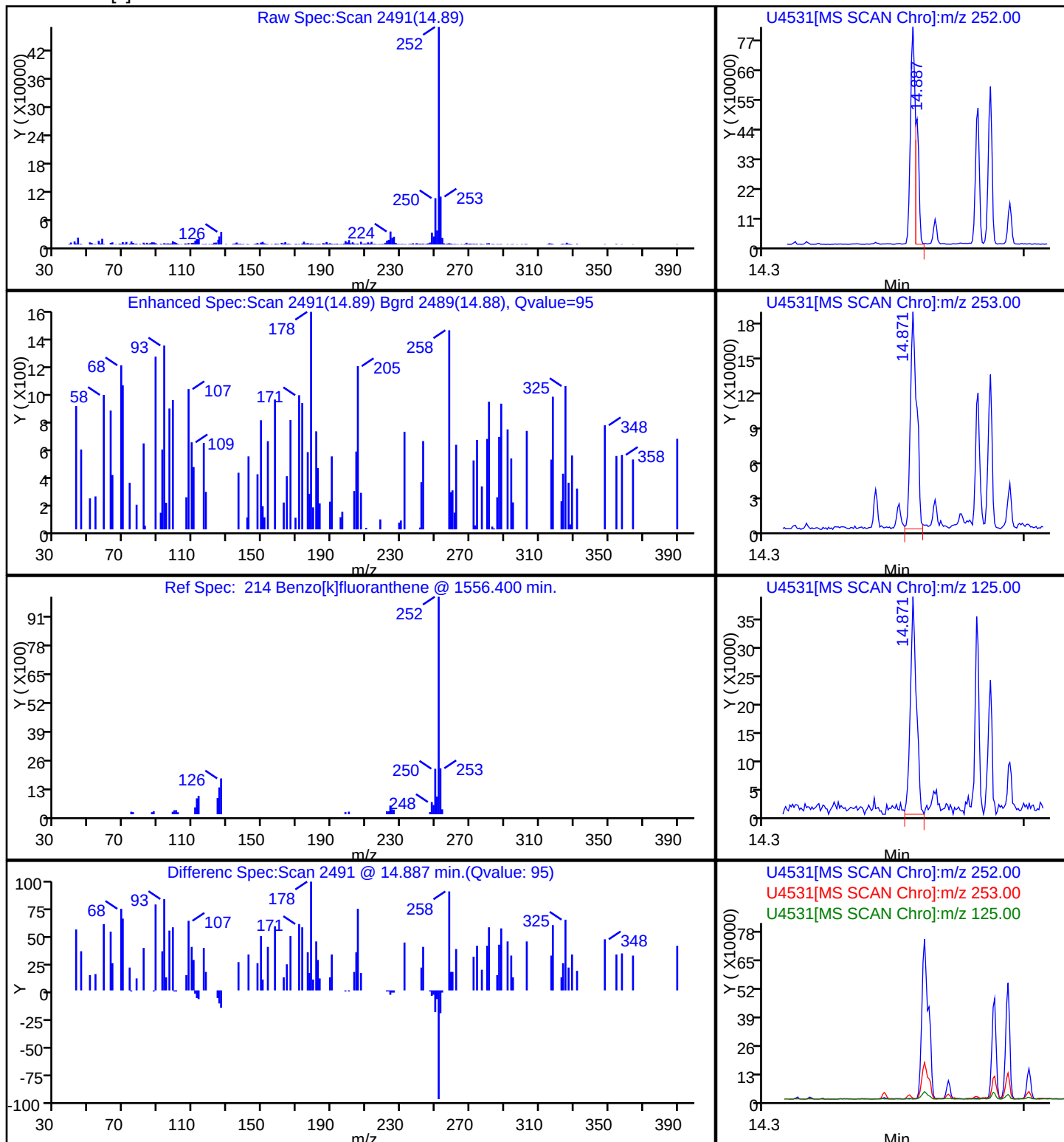
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

214 Benzo[k]fluoranthene



Report Date: 27-Sep-2011 10:15:53

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D

Injection Date: 26-Sep-2011 15:47:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 6

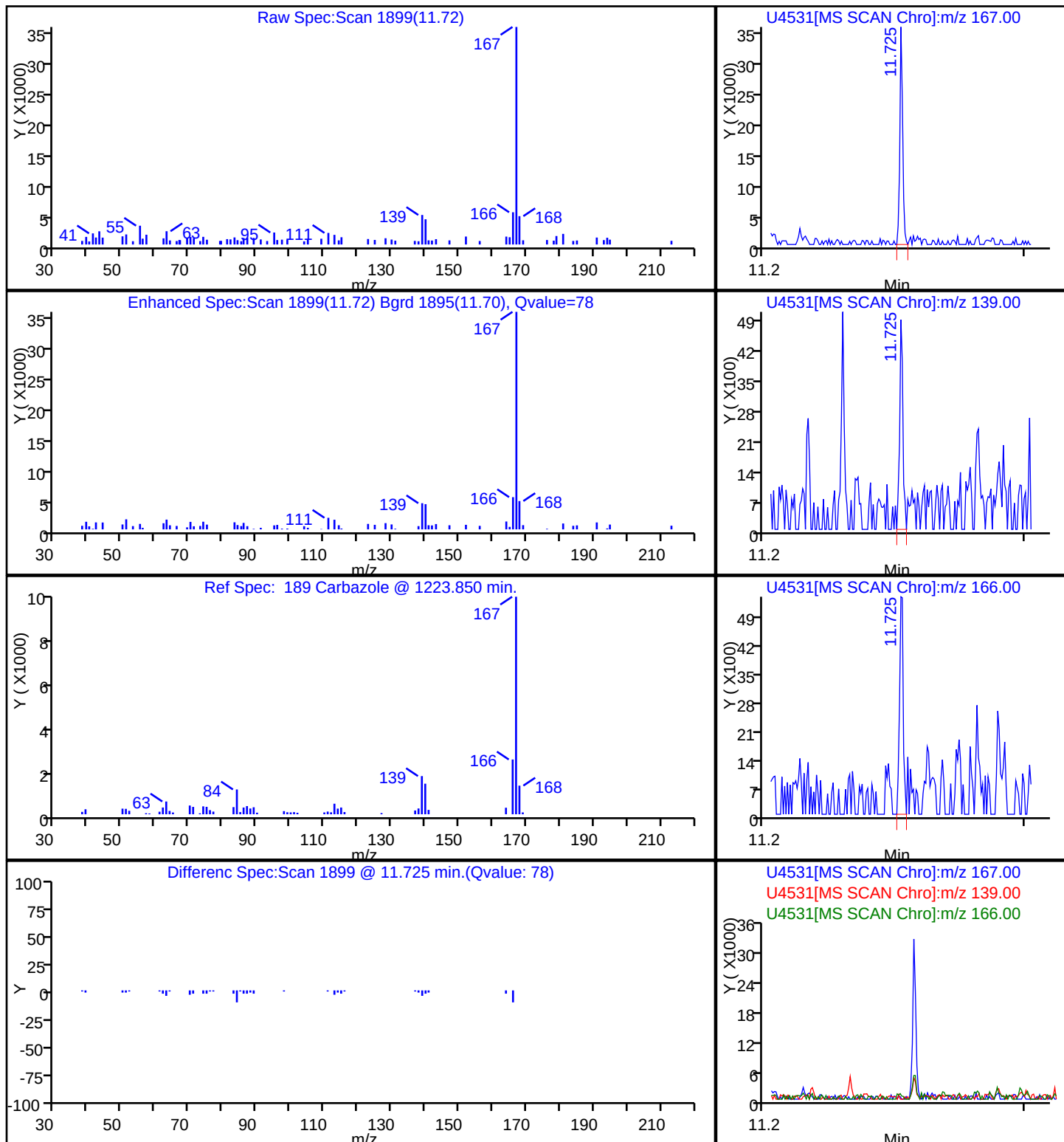
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

189 Carbazole



Report Date: 27-Sep-2011 10:15:53

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D

Injection Date: 26-Sep-2011 15:47:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 6

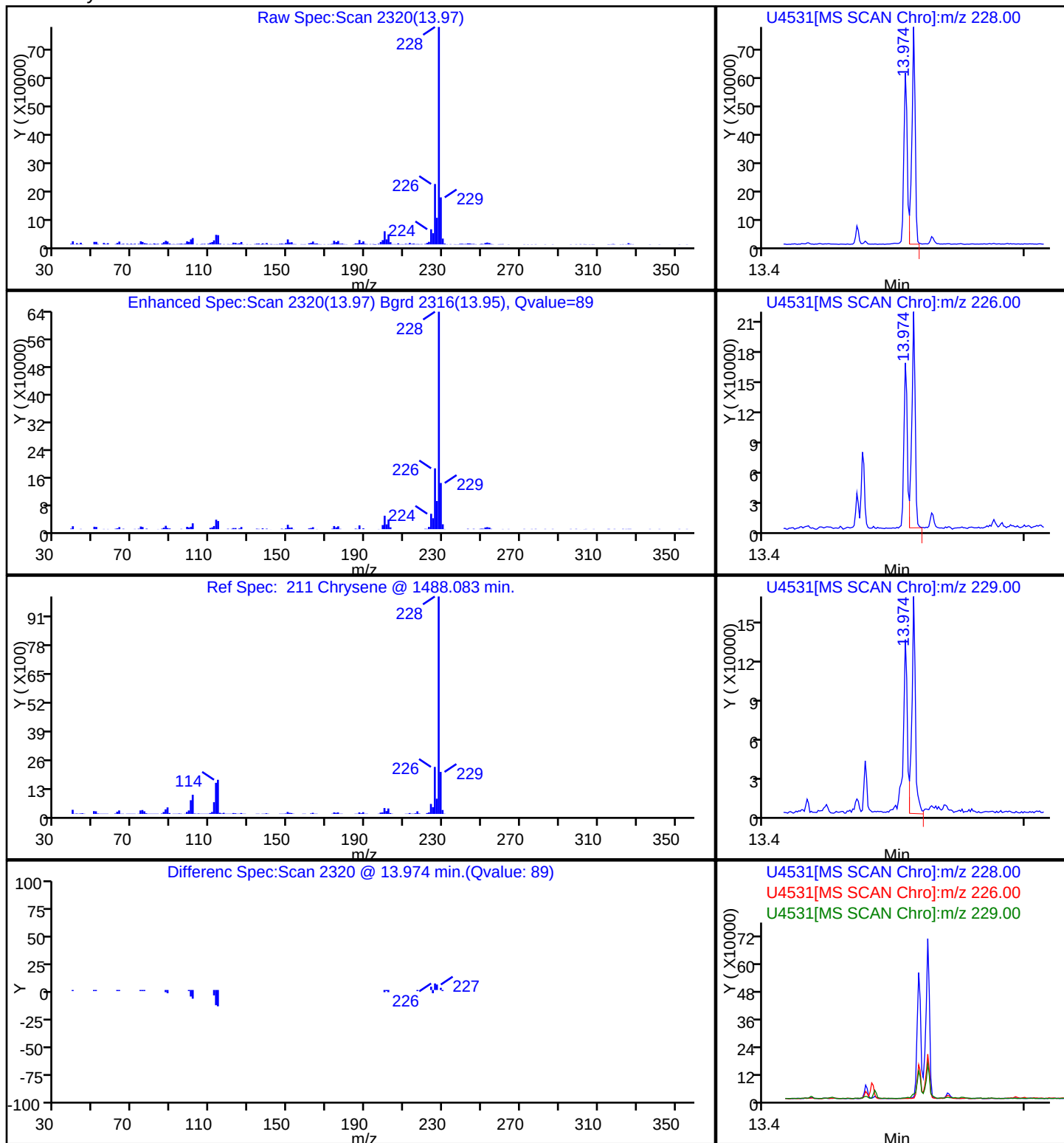
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

211 Chrysene



Report Date: 27-Sep-2011 10:15:52

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D

Injection Date: 26-Sep-2011 15:47:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 6

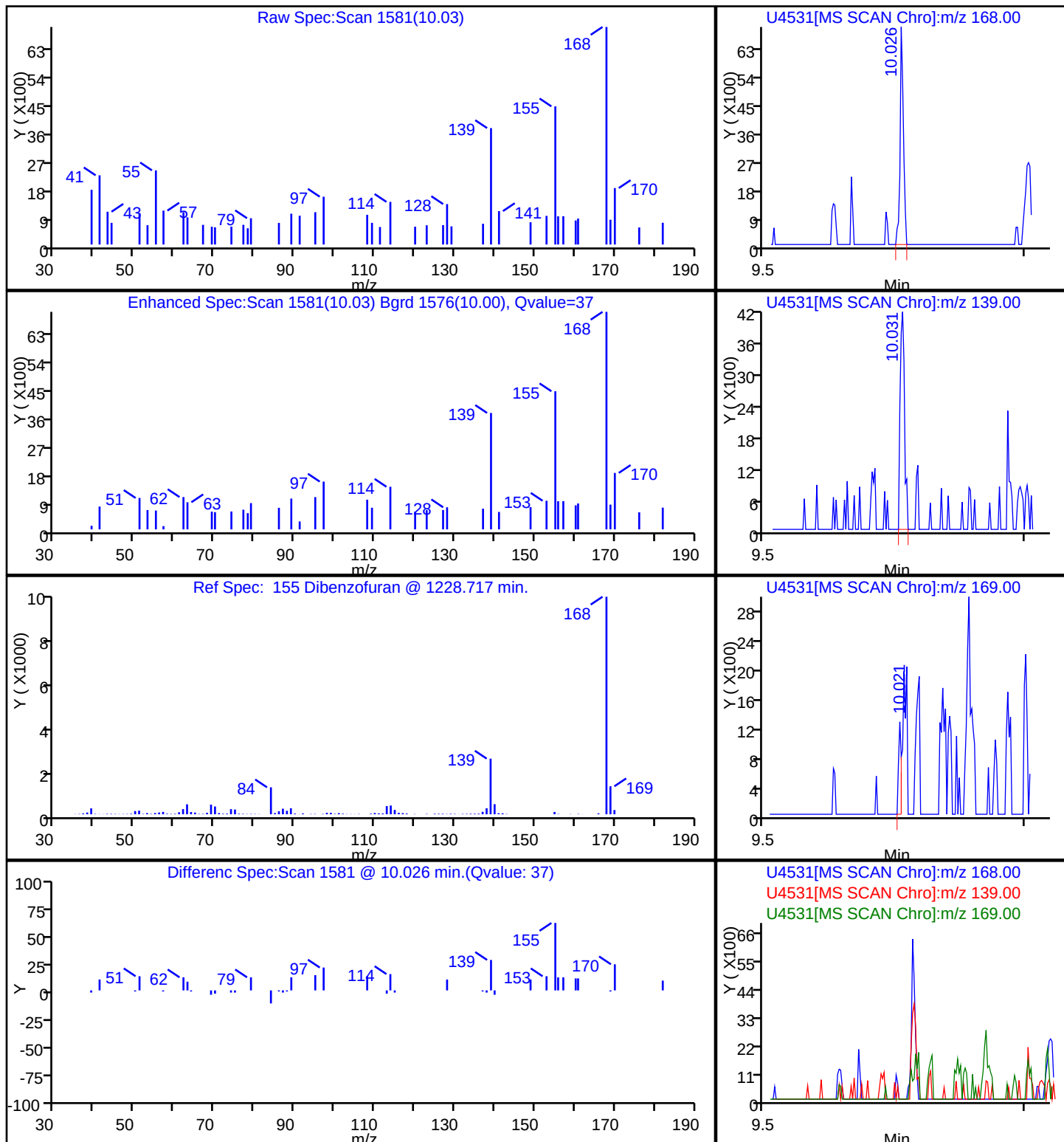
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

155 Dibenzofuran



Report Date: 27-Sep-2011 10:15:52

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D

Injection Date: 26-Sep-2011 15:47:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 6

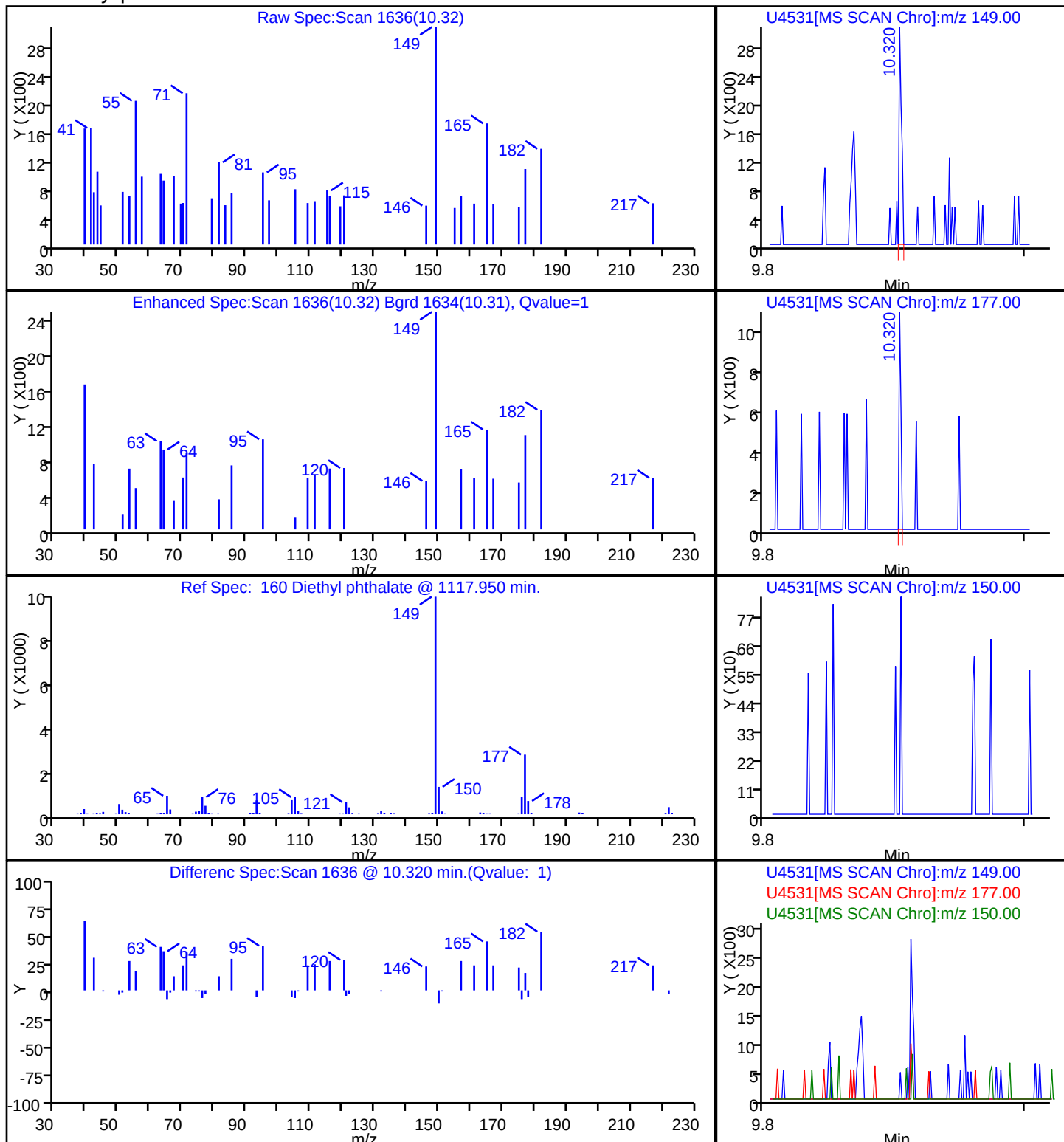
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

160 Diethyl phthalate



Report Date: 27-Sep-2011 10:15:53

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D

Injection Date: 26-Sep-2011 15:47:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 6

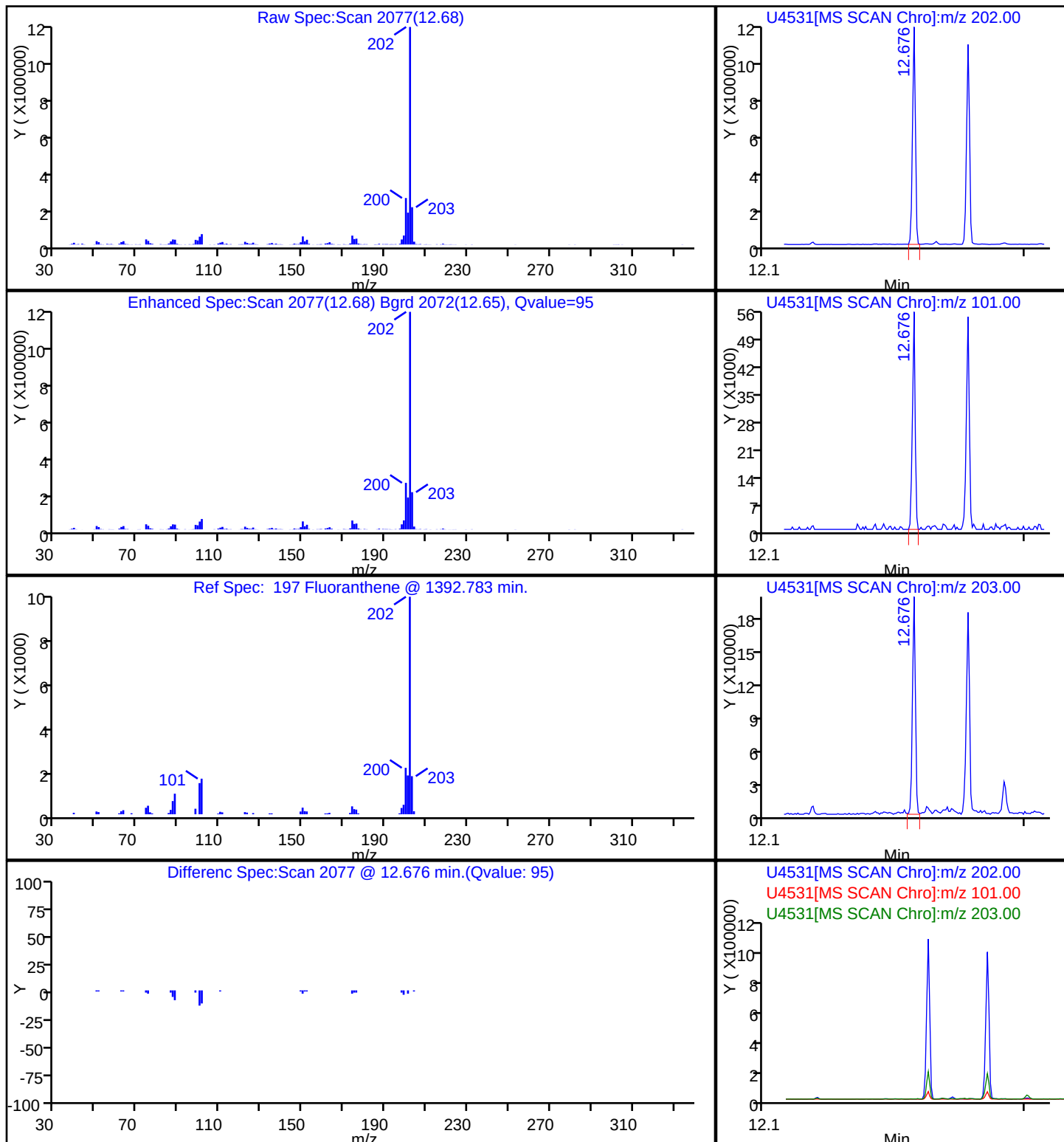
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

197 Fluoranthene



Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D

Injection Date: 26-Sep-2011 15:47:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 6

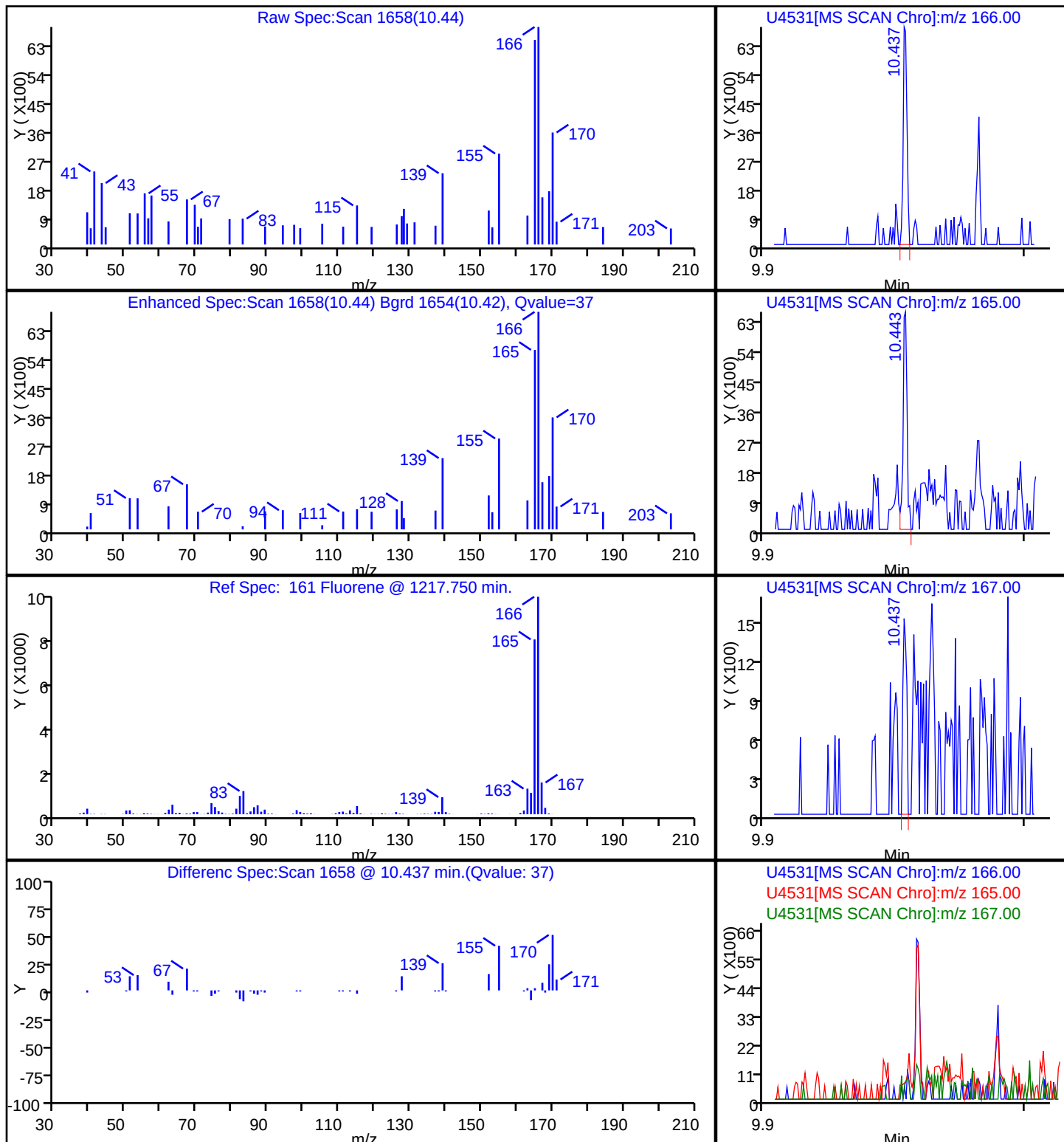
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

161 Fluorene



Report Date: 27-Sep-2011 10:15:53

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D

Injection Date: 26-Sep-2011 15:47:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 6

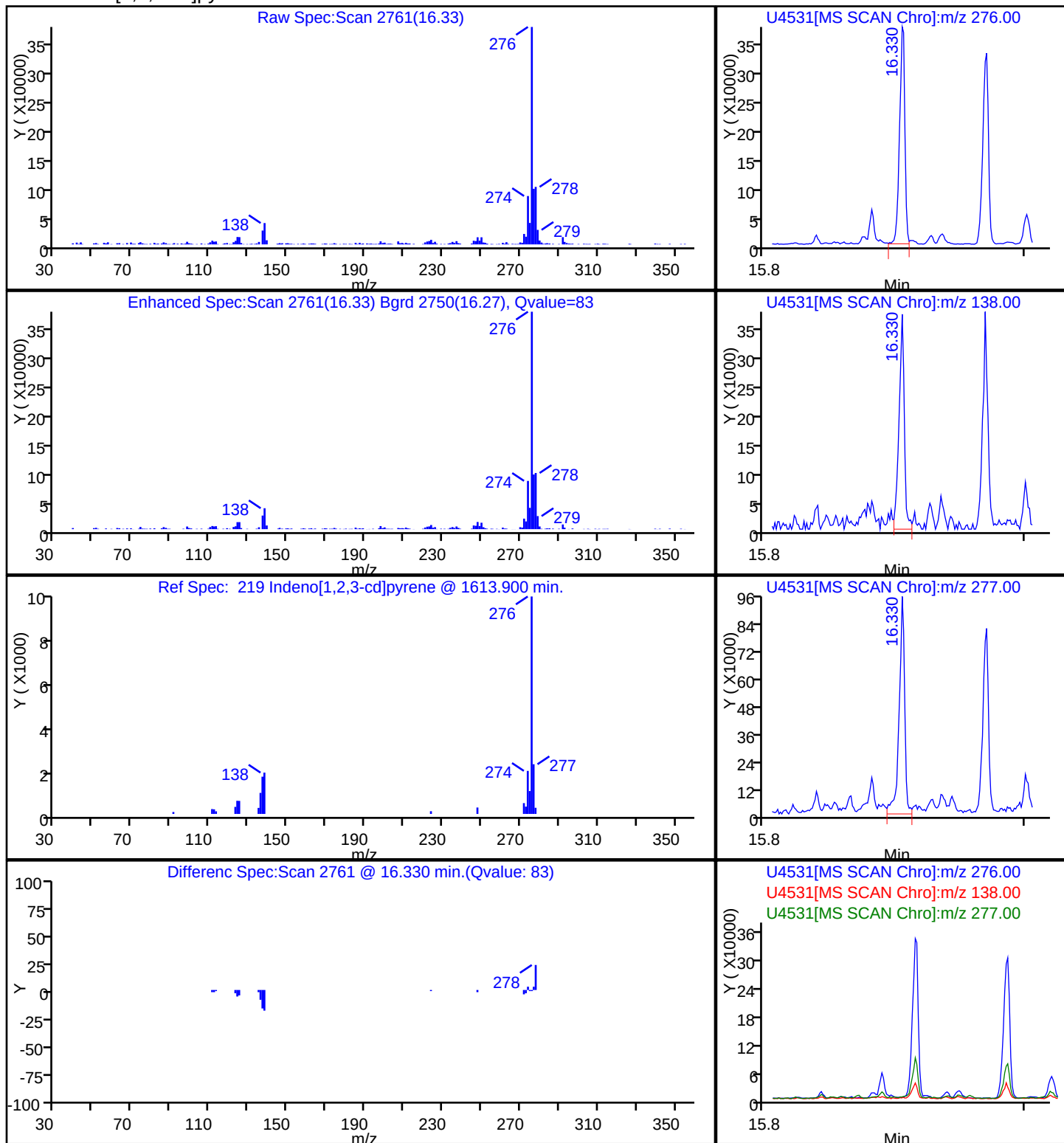
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

219 Indeno[1,2,3-cd]pyrene



Report Date: 27-Sep-2011 10:15:52

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D

Injection Date: 26-Sep-2011 15:47:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 6

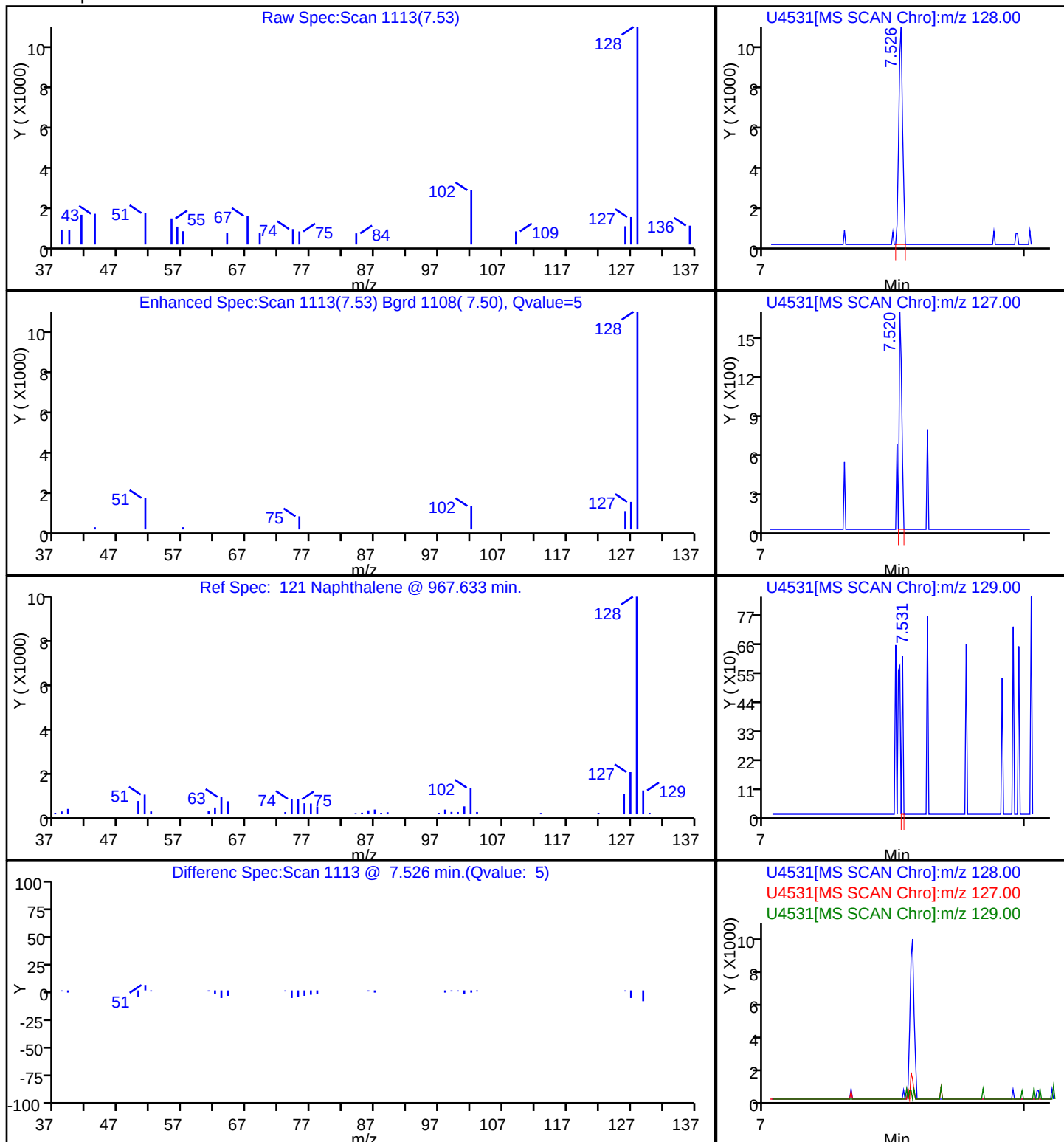
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

121 Naphthalene



Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D

Injection Date: 26-Sep-2011 15:47:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 6

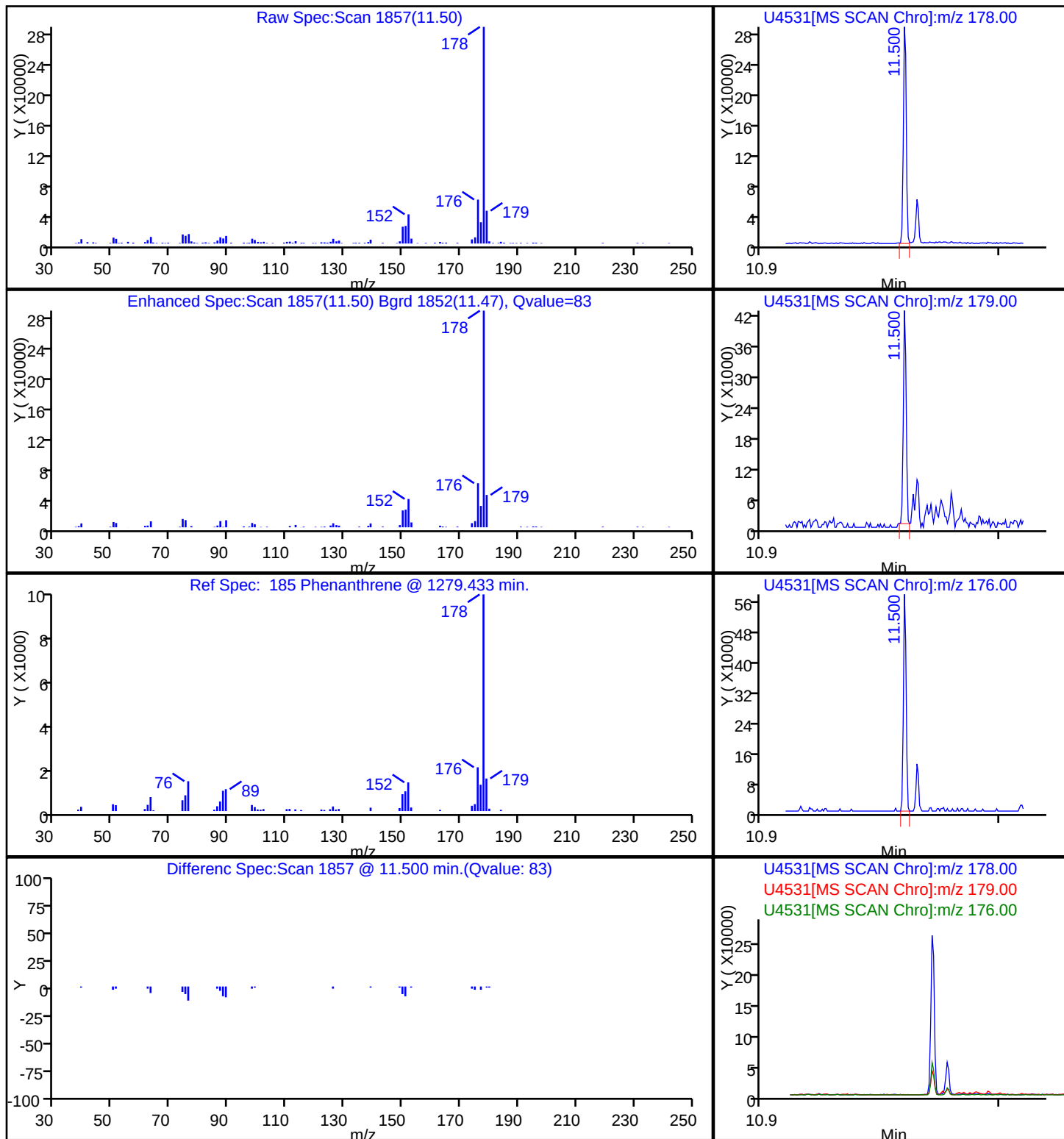
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

185 Phenanthrene



Report Date: 27-Sep-2011 10:15:53

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D

Injection Date: 26-Sep-2011 15:47:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 6

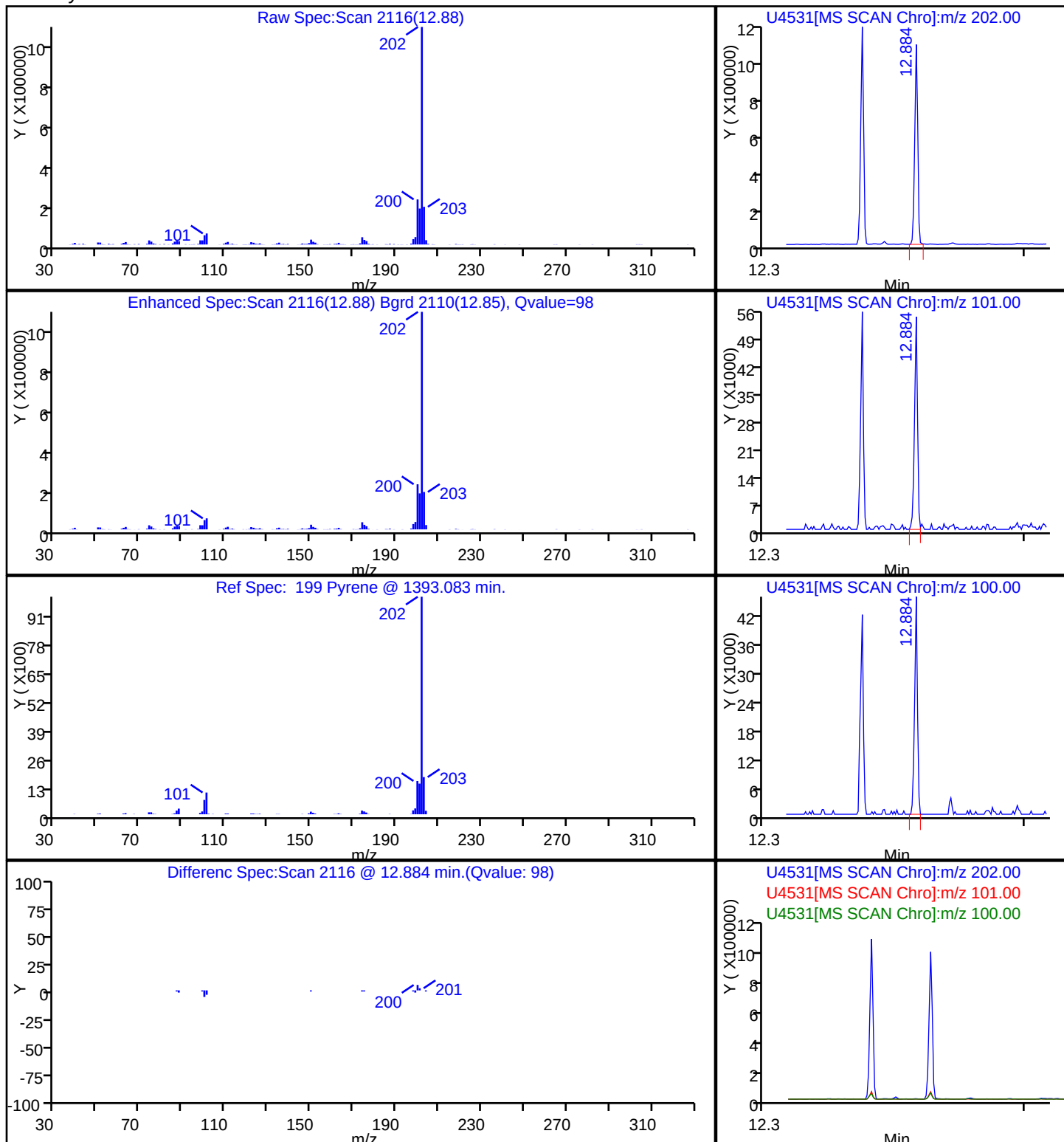
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

199 Pyrene

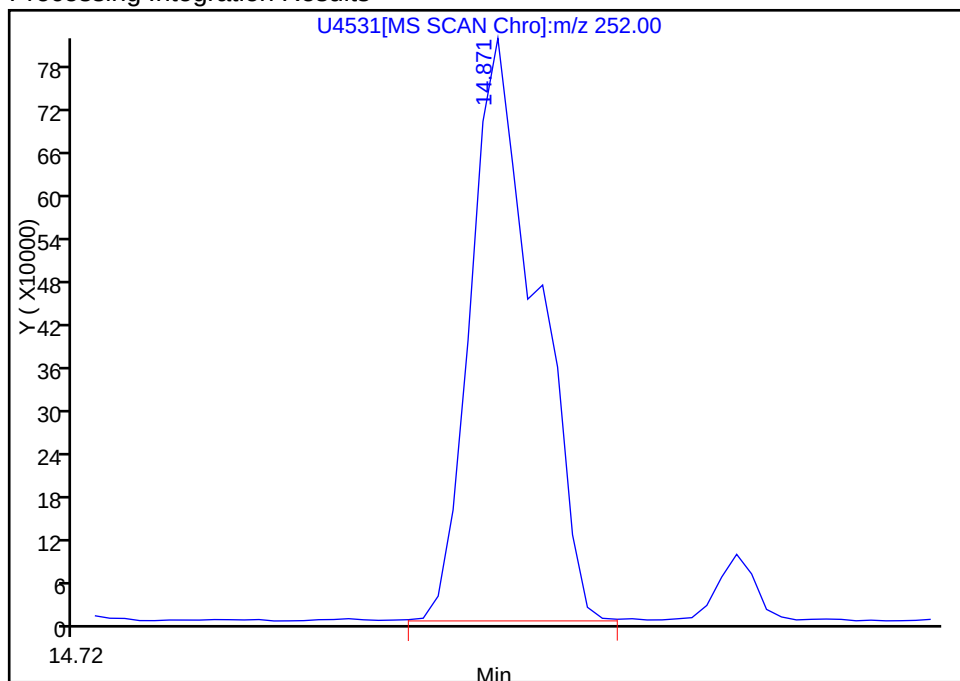


Data File:	\\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D		
Injection Date:	26-Sep-2011 15:47:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-B3 (5-9)	Instrument ID:	HP5973U
Lims Batch ID:	32845	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.87

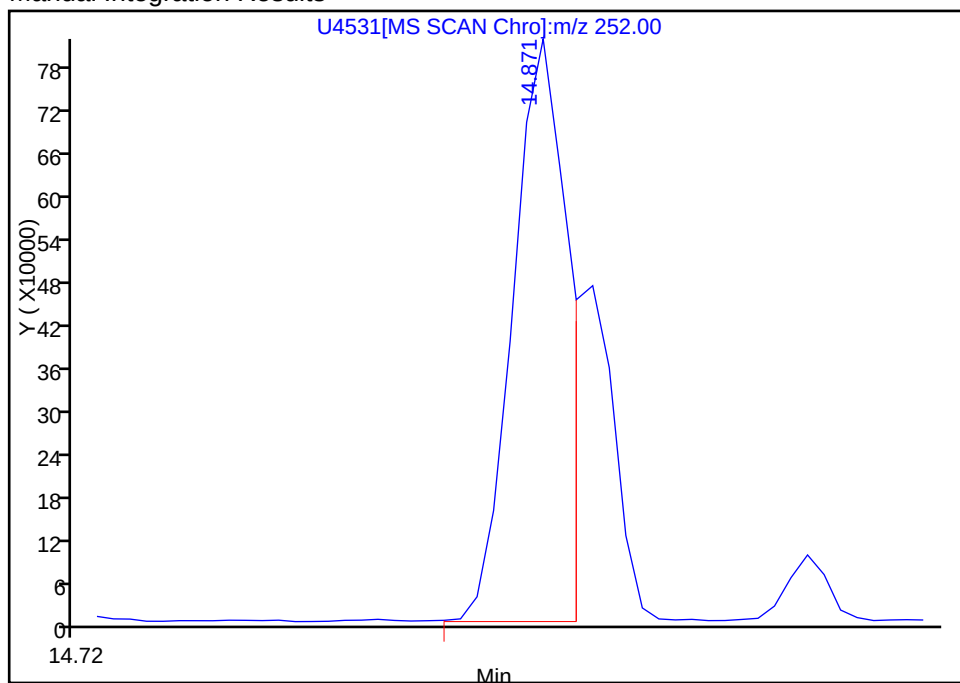
RT: 14.87
Response: 1328152
Amount: 92.427025

Processing Integration Results



RT: 14.87
Response: 1018301
Amount: 70.864278

Manual Integration Results



Reviewer: mckernar, 26-Sep-2011 17:05:31

Audit Action: Split an Integrated Peak

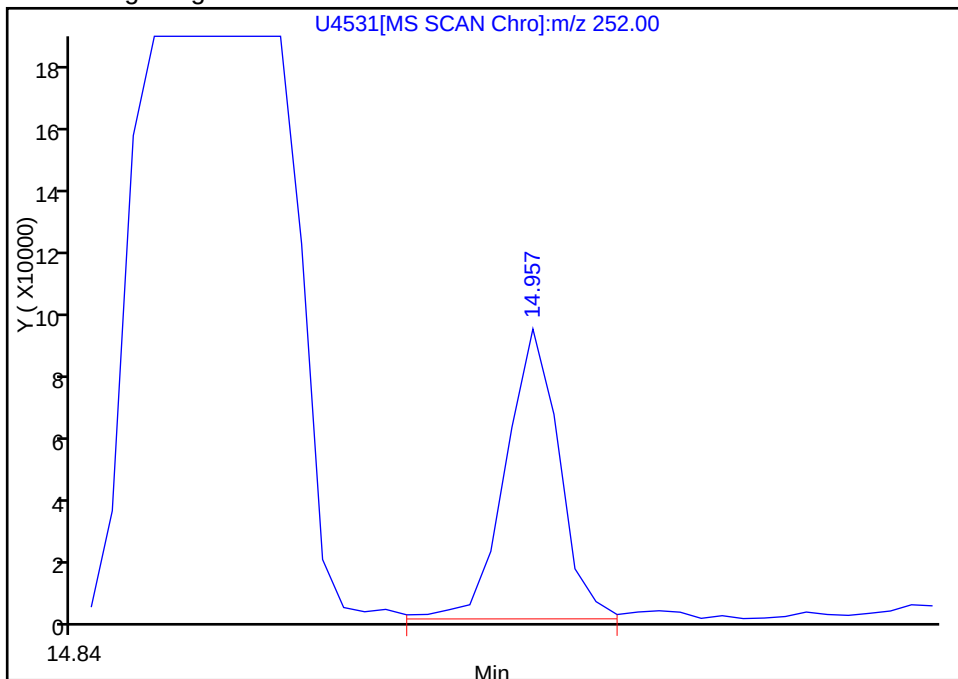
Audit Reason: Coelution

Data File:	\\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D		
Injection Date:	26-Sep-2011 15:47:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-B3 (5-9)	Instrument ID:	HP5973U
Lims Batch ID:	32845	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.89

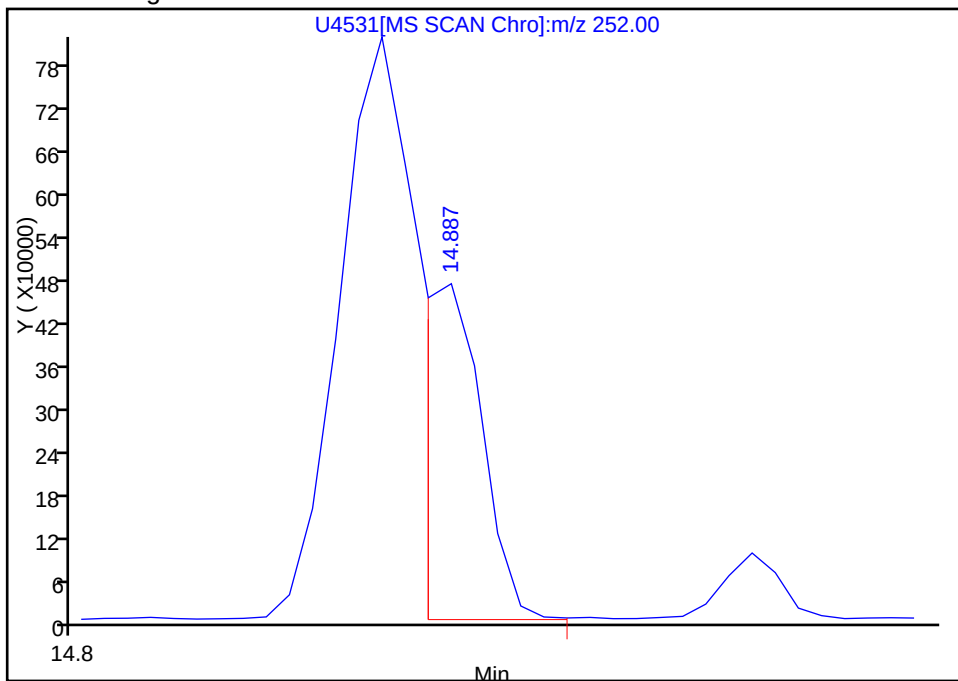
RT: 14.96
Response: 87922
Amount: 5.999456

Processing Integration Results



RT: 14.89
Response: 453555
Amount: 30.948832

Manual Integration Results



Reviewer: mckernar, 26-Sep-2011 17:05:31

Audit Action: Split an Integrated Peak

Audit Reason: Coelution

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D

Injection Date: 26-Sep-2011 15:47:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 6

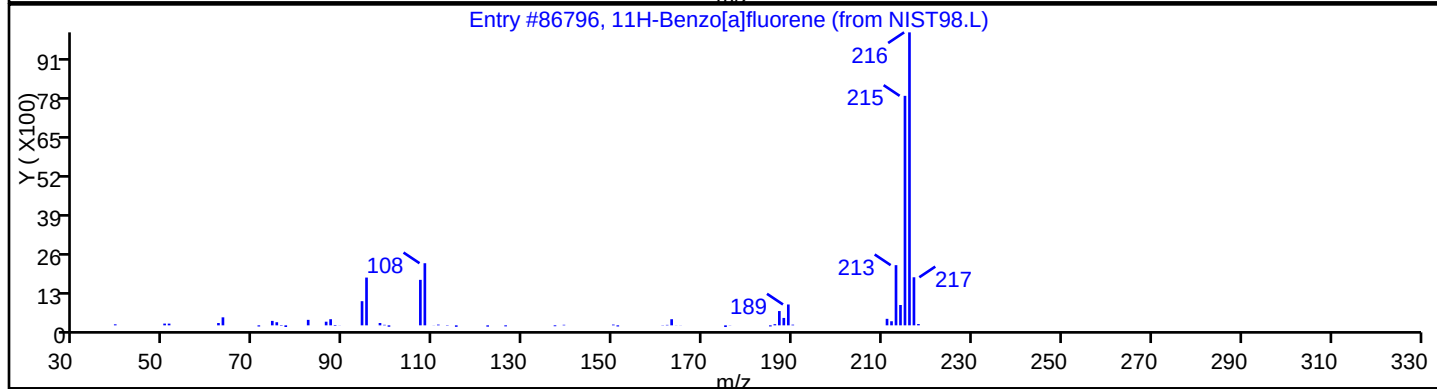
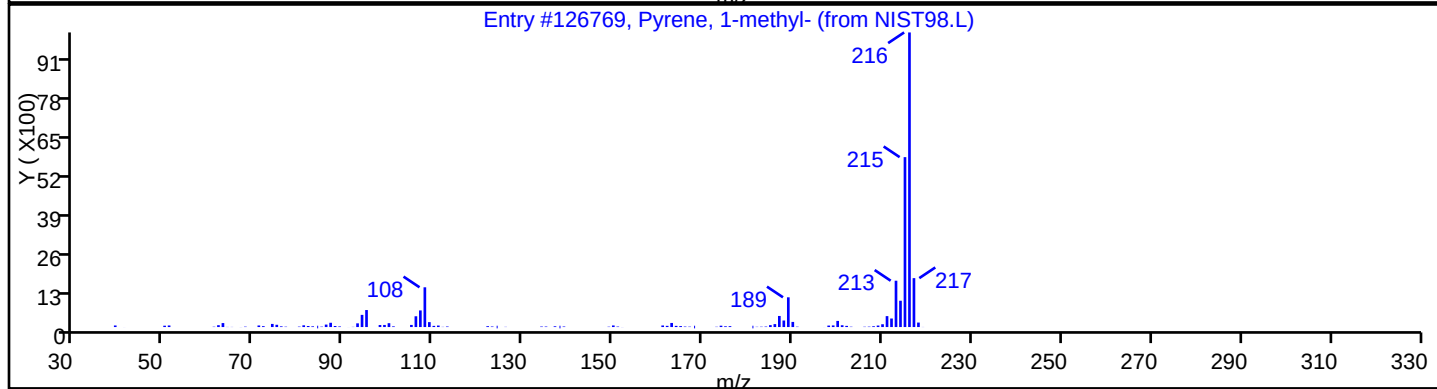
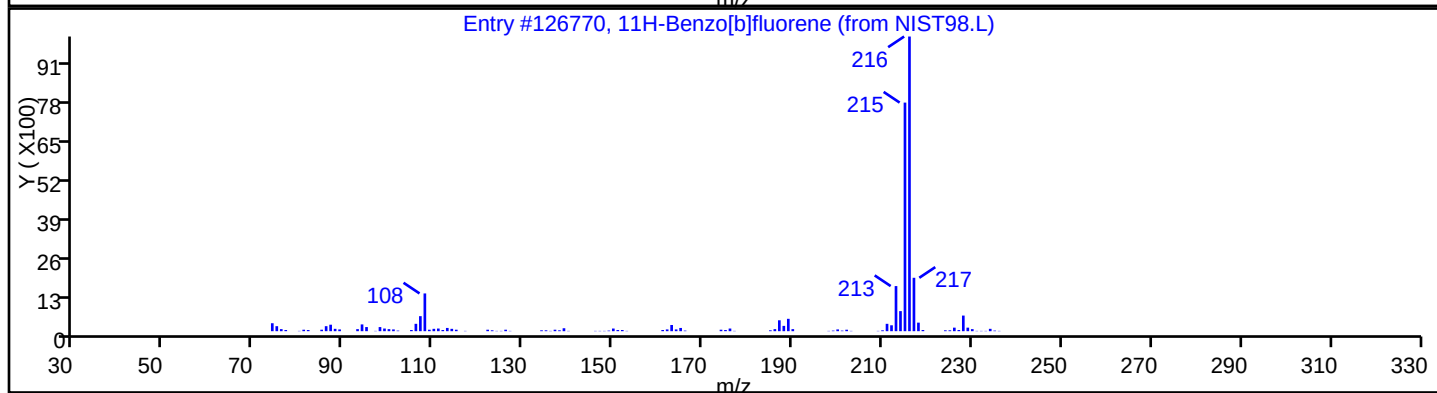
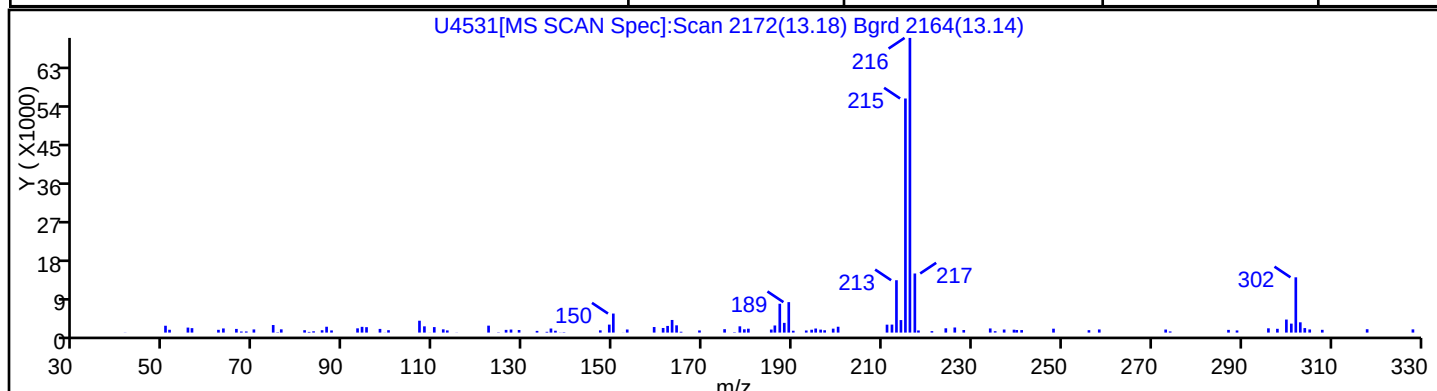
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
11H-Benzo[b]fluorene	243-17-4	NIST98.L	126770	87
Pyrene, 1-methyl-	2381-21-7	NIST98.L	126769	83
11H-Benzo[a]fluorene	238-84-6	NIST98.L	86796	83



Report Date: 27-Sep-2011 10:15:53

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D

Injection Date: 26-Sep-2011 15:47:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 6

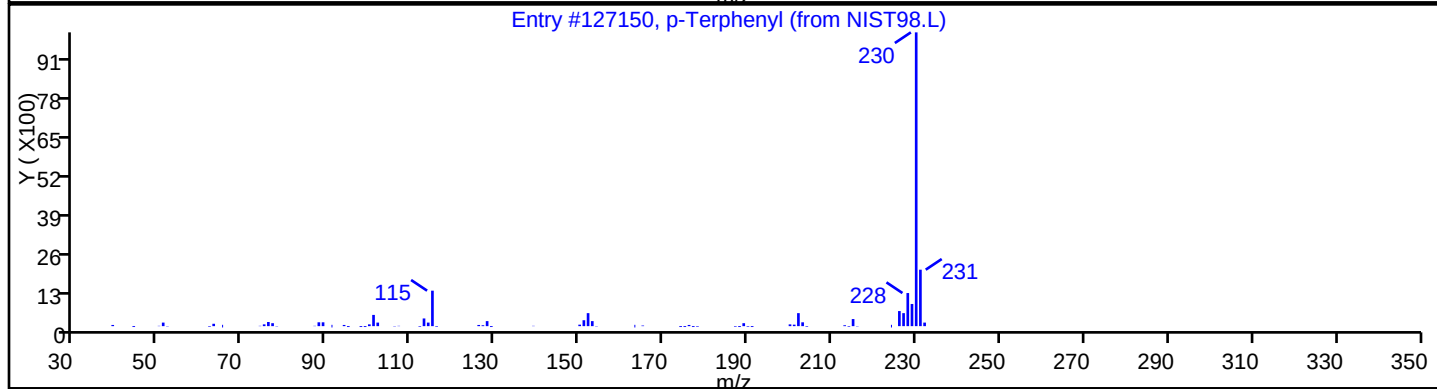
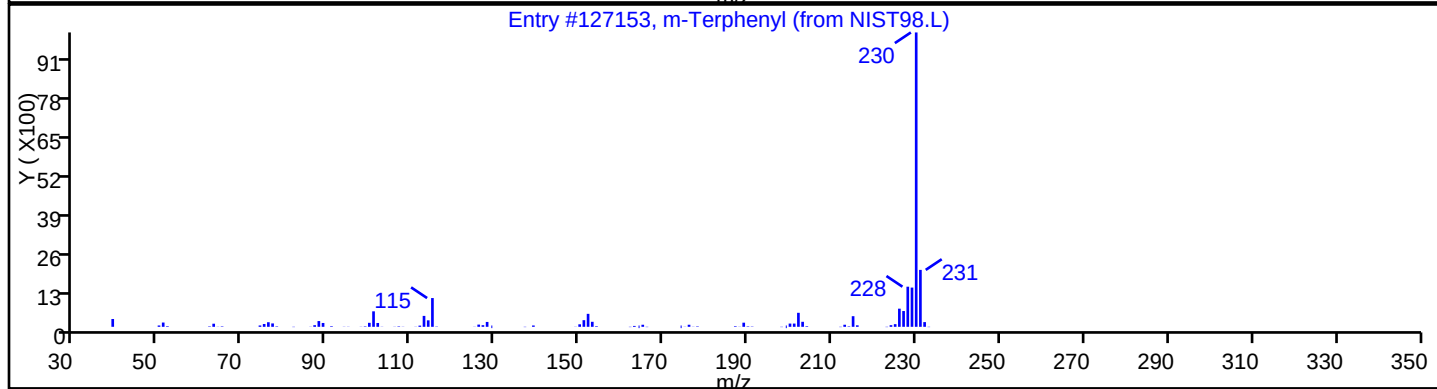
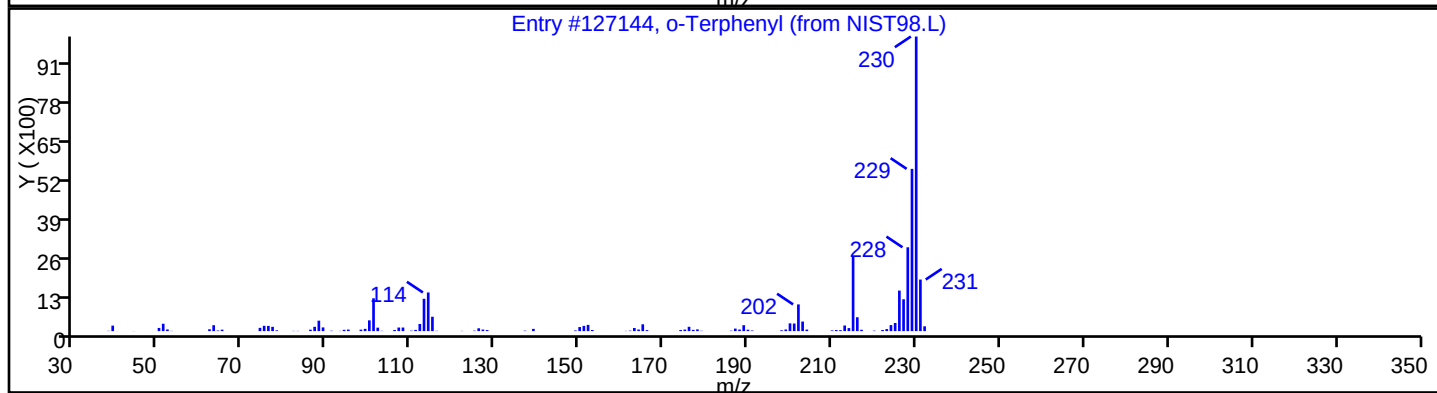
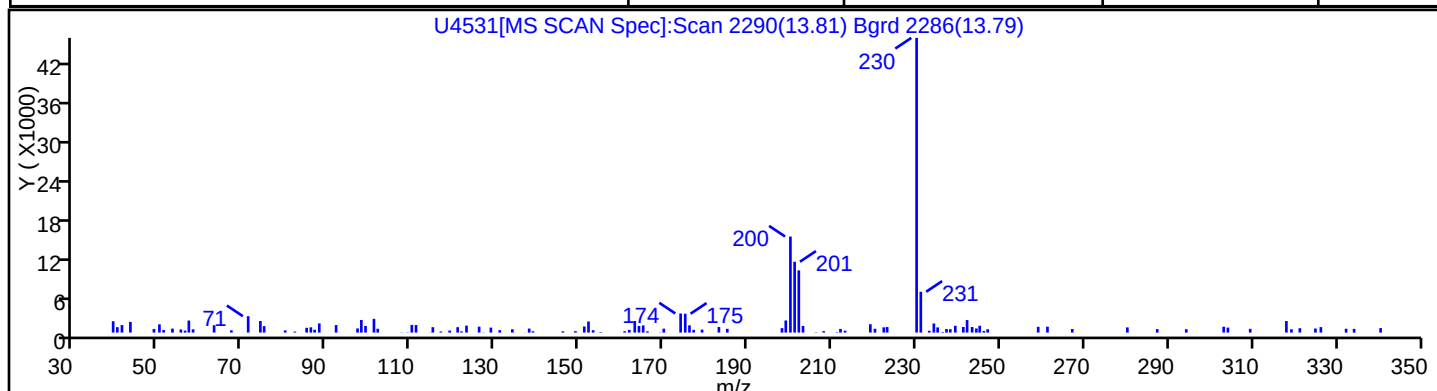
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
o-Terphenyl	84-15-1	NIST98.L	127144	46
m-Terphenyl	92-6-8	NIST98.L	127153	43
p-Terphenyl	92-94-4	NIST98.L	127150	43



Data File:

\\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4531.D

Injection Date: 26-Sep-2011 15:47:30

Limit Group: MB - 8270C ICAL

Client ID: SB-B3 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 6

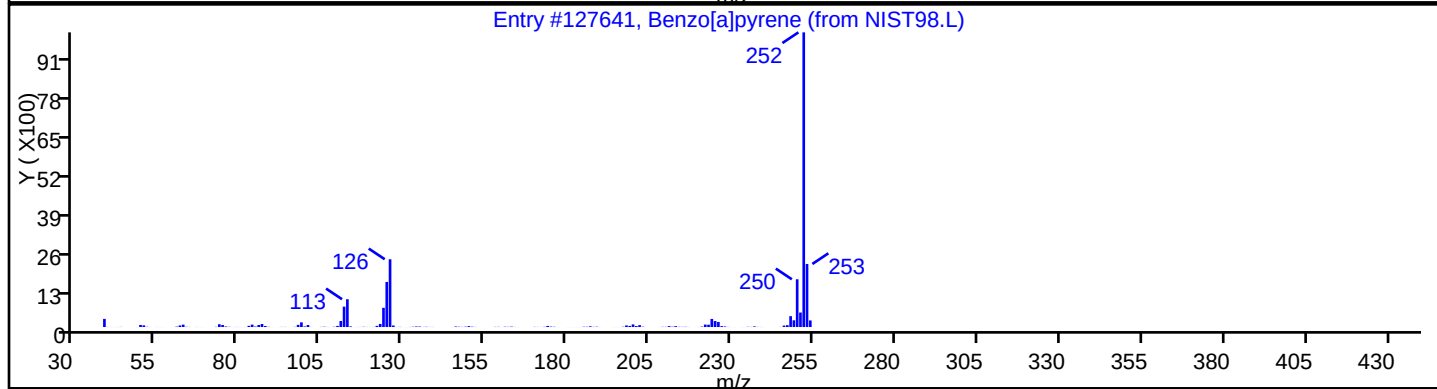
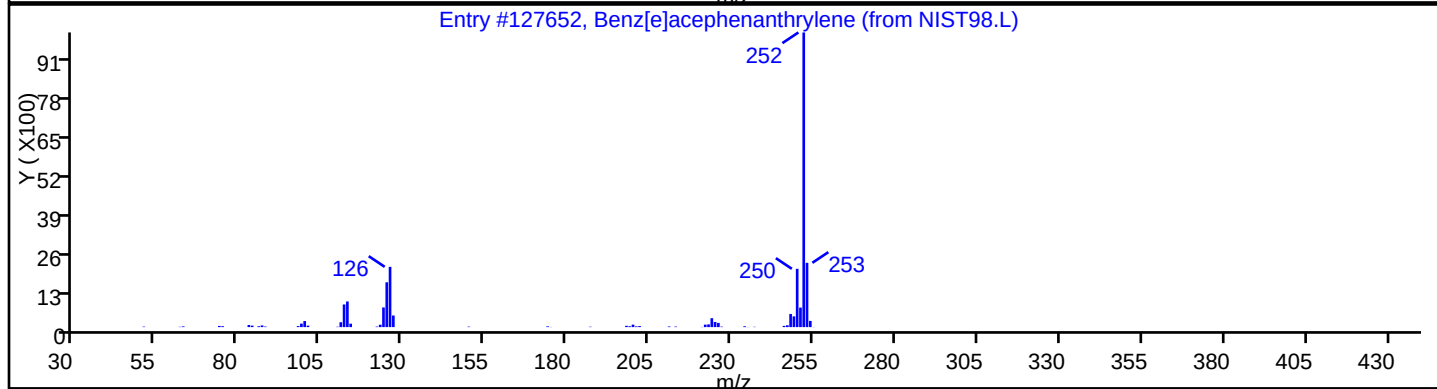
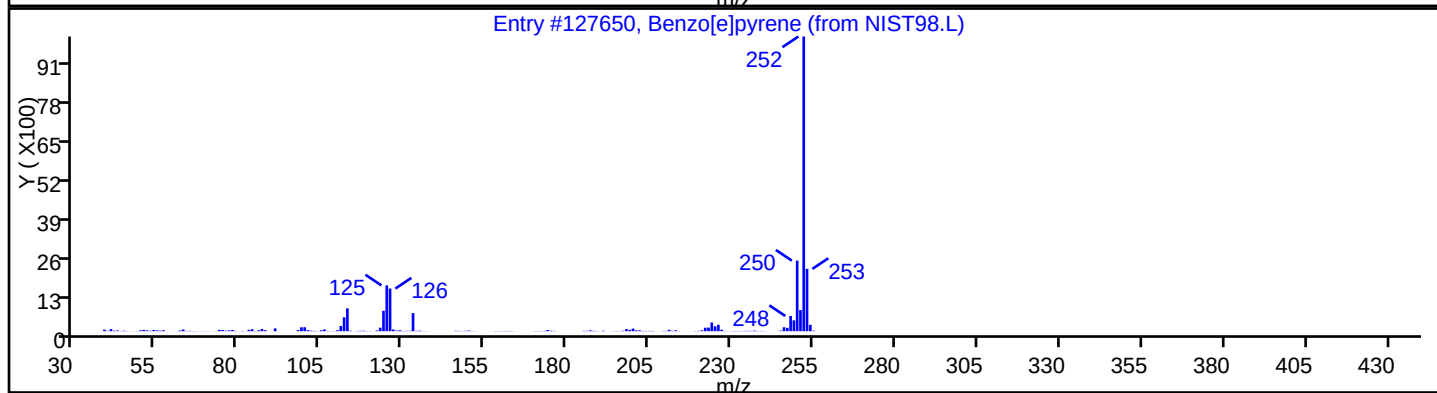
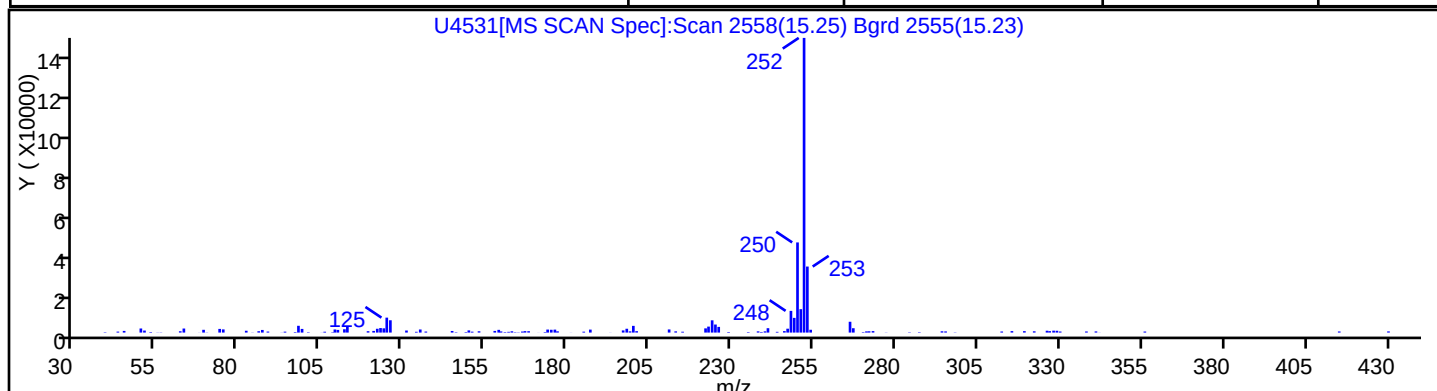
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzo[e]pyrene	192-97-2	NIST98.L	127650	90
Benz[e]acephenanthrylene	205-99-2	NIST98.L	127652	81
Benzo[a]pyrene	50-32-8	NIST98.L	127641	76



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-10088-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-C2 (5-7)</u>	Lab Sample ID: <u>480-10088-2</u>
Matrix: <u>Solid</u>	Lab File ID: <u>U4506.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/19/2011 10:00</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/22/2011 15:36</u>
Sample wt/vol: <u>+30.40(g)</u>	Date Analyzed: <u>09/23/2011 15:59</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>14.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>32612</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		200	42
88-06-2	2,4,6-Trichlorophenol	ND		200	13
120-83-2	2,4-Dichlorophenol	ND		200	10
105-67-9	2,4-Dimethylphenol	ND		200	53
51-28-5	2,4-Dinitrophenol	ND		380	68
121-14-2	2,4-Dinitrotoluene	ND		200	30
606-20-2	2,6-Dinitrotoluene	ND		200	48
91-58-7	2-Chloronaphthalene	ND		200	13
95-57-8	2-Chlorophenol	ND		200	9.9
91-57-6	2-Methylnaphthalene	26	J	200	2.4
95-48-7	2-Methylphenol	ND		200	6.0
88-74-4	2-Nitroaniline	ND		380	62
88-75-5	2-Nitrophenol	ND		200	8.9
91-94-1	3,3'-Dichlorobenzidine	ND		200	170
99-09-2	3-Nitroaniline	ND		380	45
534-52-1	4,6-Dinitro-2-methylphenol	ND		380	67
101-55-3	4-Bromophenyl phenyl ether	ND		200	62
59-50-7	4-Chloro-3-methylphenol	ND		200	8.0
106-47-8	4-Chloroaniline	ND		200	57
7005-72-3	4-Chlorophenyl phenyl ether	ND		200	4.1
106-44-5	4-Methylphenol	ND		380	11
100-01-6	4-Nitroaniline	ND		380	22
100-02-7	4-Nitrophenol	ND		380	47
83-32-9	Acenaphthene	ND		200	2.3
208-96-8	Acenaphthylene	7.7	J	200	1.6
98-86-2	Acetophenone	ND		200	10
120-12-7	Anthracene	24	J	200	5.0
1912-24-9	Atrazine	ND		200	8.7
100-52-7	Benzaldehyde	ND		200	21
56-55-3	Benzo(a)anthracene	99	J	200	3.4
50-32-8	Benzo(a)pyrene	78	J	200	4.7
205-99-2	Benzo(b)fluoranthene	120	J	200	3.8
191-24-2	Benzo(g,h,i)perylene	68	J	200	2.3
207-08-9	Benzo(k)fluoranthene	33	J	200	2.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-10088-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-C2 (5-7)</u>	Lab Sample ID: <u>480-10088-2</u>
Matrix: <u>Solid</u>	Lab File ID: <u>U4506.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/19/2011 10:00</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/22/2011 15:36</u>
Sample wt/vol: <u>+30.40(g)</u>	Date Analyzed: <u>09/23/2011 15:59</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>14.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>32612</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		200	12
108-60-1	bis (2-chloroisopropyl) ether	ND		200	20
111-91-1	Bis(2-chloroethoxy)methane	ND		200	11
111-44-4	Bis(2-chloroethyl)ether	ND		200	17
117-81-7	Bis(2-ethylhexyl) phthalate	ND		200	63
85-68-7	Butyl benzyl phthalate	ND		200	52
105-60-2	Caprolactam	ND		200	84
86-74-8	Carbazole	12	J	200	2.2
218-01-9	Chrysene	150	J	200	1.9
53-70-3	Dibenz(a,h)anthracene	ND		200	2.3
132-64-9	Dibenzofuran	ND		200	2.0
84-66-2	Diethyl phthalate	ND		200	5.9
131-11-3	Dimethyl phthalate	ND		200	5.1
84-74-2	Di-n-butyl phthalate	ND		200	67
117-84-0	Di-n-octyl phthalate	ND		200	4.5
206-44-0	Fluoranthene	120	J	200	2.8
86-73-7	Fluorene	ND		200	4.5
118-74-1	Hexachlorobenzene	ND		200	9.7
87-68-3	Hexachlorobutadiene	ND		200	9.9
77-47-4	Hexachlorocyclopentadiene	ND		200	59
67-72-1	Hexachloroethane	ND		200	15
193-39-5	Indeno(1,2,3-cd)pyrene	42	J	200	5.4
78-59-1	Isophorone	ND		200	9.7
91-20-3	Naphthalene	20	J	200	3.2
98-95-3	Nitrobenzene	ND		200	8.6
621-64-7	N-Nitrosodi-n-propylamine	ND		200	15
86-30-6	N-Nitrosodiphenylamine	ND		200	11
87-86-5	Pentachlorophenol	ND		380	67
85-01-8	Phenanthrene	120	J	200	4.1
108-95-2	Phenol	ND		200	20
129-00-0	Pyrene	130	J	200	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: SB-C2 (5-7) Lab Sample ID: 480-10088-2
Matrix: Solid Lab File ID: U4506.D
Analysis Method: 8270C Date Collected: 09/19/2011 10:00
Extract. Method: 3550B Date Extracted: 09/22/2011 15:36
Sample wt/vol: +30.40 (g) Date Analyzed: 09/23/2011 15:59
Con. Extract Vol.: 1 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: 14.3 GPC Cleanup: (Y/N) N
Analysis Batch No.: 32612 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	119		39-146
321-60-8	2-Fluorobiphenyl	96		37-120
367-12-4	2-Fluorophenol	80		18-120
4165-60-0	Nitrobenzene-d5	88		34-132
4165-62-2	Phenol-d5	94		11-120
1718-51-0	p-Terphenyl-d14	115		58-147

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: SB-C2 (5-7) Lab Sample ID: 480-10088-2
Matrix: Solid Lab File ID: U4506.D
Analysis Method: 8270C Date Collected: 09/19/2011 10:00
Extract. Method: 3550B Date Extracted: 09/22/2011 15:36
Sample wt/vol: +30.40(g) Date Analyzed: 09/23/2011 15:59
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 14.3 GPC Cleanup: (Y/N) N
Analysis Batch No.: 32612 Units: ug/Kg
Number TICs Found: 8 TIC Result Total: 2790

CAS NO.	COMPOUND NAME	RT	RESULT	Q
189-64-0	3,4:8,9-Dibenzopyrene	13.17	200	T J N
	Unknown	13.44	180	T J
	Unknown	13.81	260	T J
646-31-1	Tetracosane	14.08	210	T J N
	Unknown	14.34	300	T J
112-84-5	Erucylamide	14.60	1300	T J N
	Unknown	15.50	170	T J
	Unknown	15.75	170	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D
 Lims ID: 480-10088-E-2-A Client ID: SB-C2 (5-7)
 Inject. Date: 23-Sep-2011 15:59:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0006193-009
 Misc. Info.: 480-10088-E-2-A
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 10
 Lims Batch ID: 32612 Lims Sample ID: 9
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U-8270.m
 Last Update: 26-Sep-2011 11:33:23 Calib Date: 14-Sep-2011 21:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 26-Sep-2011 09:32:44

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.773	5.773	0.0	95	117173	40.0	
* 2 Naphthalene-d8	136	7.504	7.499	0.005	99	473696	40.0	
* 3 Acenaphthene-d10	164	9.775	9.775	0.0	97	299110	40.0	
* 4 Phenanthrene-d10	188	11.484	11.479	0.005	96	476650	40.0	
* 5 Chrysene-d12	240	13.952	13.952	0.0	96	475264	40.0	
* 6 Perylene-d12	264	15.224	15.219	0.005	96	544105	40.0	
\$ 9 2-Fluorophenol	112	3.914	3.914	0.0	94	396382	119.7	
\$ 10 Phenol-d5	99	5.325	5.325	0.0	78	561431	140.5	
\$ 11 Nitrobenzene-d5	82	6.543	6.543	0.0	85	389721	88.3	
\$ 12 2-Fluorobiphenyl	172	8.925	8.925	0.0	99	924507	95.7	
\$ 13 2,4,6-Tribromophenol	330	10.731	10.731	0.0	96	254863	178.8	
\$ 14 p-Terphenyl-d14	244	13.023	13.023	0.0	96	1224990	114.8	
88 Benzaldehyde	77		5.148					
89 Phenol	94		5.346					
91 Bis(2-chloroethyl)ether	93		5.410					
93 2-Chlorophenol	128		5.496					
99 2,2'-oxybis[1-chloropropane]	45		6.174					
98 2-Methylphenol	108		6.180					
104 Acetophenone	105		6.340					
101 N-Nitrosodi-n-propylamine	70		6.356					
102 4-Methylphenol	108		6.399					
106 Hexachloroethane	117		6.473					
107 Nitrobenzene	77		6.564					
110 Isophorone	82		6.895					
111 2-Nitrophenol	139		7.002					
112 2,4-Dimethylphenol	107		7.109					
115 Bis(2-chloroethoxy)methane	93		7.205					
117 2,4-Dichlorophenol	162		7.344					
121 Naphthalene	128	7.531	7.531	0.0	1	6263	0.5219	
123 4-Chloroaniline	127		7.622					
126 Hexachlorobutadiene	225		7.723					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113		8.033					
131 4-Chloro-3-methylphenol	107		8.295					
133 2-Methylnaphthalene	142	8.439	8.439	0.0	36	5996	0.6875	
136 Hexachlorocyclopentadiene	237		8.664					
139 2,4,6-Trichlorophenol	196		8.829					
140 2,4,5-Trichlorophenol	196		8.883					
144 1,1'-Biphenyl	154	9.048	9.048	0.0	1	2848	0.2488	
143 2-Chloronaphthalene	162		9.064					
145 2-Nitroaniline	65		9.209					
147 Dimethyl phthalate	163		9.454					
148 2,6-Dinitrotoluene	165		9.518					
149 Acenaphthylene	152	9.593	9.593	0.0	1	2488	0.2013	
150 3-Nitroaniline	138		9.737					
151 Acenaphthene	153		9.818					
152 2,4-Dinitrophenol	184		9.871					
153 4-Nitrophenol	109		10.005					
154 2,4-Dinitrotoluene	165		10.031					
155 Dibenzofuran	168		10.037					
160 Diethyl phthalate	149		10.336					
161 Fluorene	166		10.448					
162 4-Chlorophenyl phenyl ether	204		10.453					
164 4-Nitroaniline	138		10.491					
166 4,6-Dinitro-2-methylphenol	198		10.528					
167 N-Nitrosodiphenylamine	169		10.592					
176 4-Bromophenyl phenyl ether	248		11.004					
177 Hexachlorobenzene	284		11.089					
180 Atrazine	200		11.196					
181 Pentachlorophenol	266		11.308					
185 Phenanthrene	178	11.506	11.511	-0.005	66	41001	3.08	
188 Anthracene	178	11.554	11.559	-0.005	24	8307	0.6258	
189 Carbazole	167	11.730	11.735	-0.005	1	3542	0.3138	
192 Di-n-butyl phthalate	149		12.083					
197 Fluoranthene	202	12.676	12.681	-0.005	92	48352	3.23	
199 Pyrene	202	12.884	12.889	-0.005	96	47676	3.40	
205 Butyl benzyl phthalate	149		13.445					
208 3,3'-Dichlorobenzidine	252		13.915					
210 Bis(2-ethylhexyl) phthalate	149		13.931					
209 Benzo[a]anthracene	228	13.942	13.947	-0.005	68	36126	2.57	
211 Chrysene	228	13.974	13.979	-0.005	45	51025	3.92	
212 Di-n-octyl phthalate	149		14.455					
213 Benzo[b]fluoranthene	252	14.866	14.871	-0.005	84	50734	3.05	M
214 Benzo[k]fluoranthene	252	14.882	14.893	-0.011	88	14507	0.8555	M
217 Benzo[a]pyrene	252	15.165	15.171	-0.006	92	28182	2.04	
220 Dibenz(a,h)anthracene	278		16.335					
219 Indeno[1,2,3-cd]pyrene	276	16.319	16.335	-0.016	83	19729	1.09	
221 Benzo[g,h,i]perylene	276	16.645	16.656	-0.011	48	23458	1.77	

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D
 Lims ID: 480-10088-E-2-A Client ID: SB-C2 (5-7)
 Inject. Date: 23-Sep-2011 15:59:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0006193-009
 Misc. Info.: 480-10088-E-2-A
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 10
 Lims Batch ID: 32612 Lims Sample ID: 9
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U-8270.m
 Last Update: 26-Sep-2011 11:33:23 Calib Date: 14-Sep-2011 21:40:30
 Tic RT Window: 1.500 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\Bufchrom\ChromData\Database\NIST98.L
 Min. Match: 10
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 26-Sep-2011 09:32:44

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags

Benzo[e]pyrene	15.117	33718		

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
189-64-0	3,4:8,9-Dibenzopyrene					
13.167	192600	5.29	5	93	99782	
	Unknown					
13.440	172576	4.74	5			
	Unknown					
13.808	243954	6.70	5			
646-31-1	Tetracosane					
14.075	198270	5.45	5	94	112385	
	Unknown					
14.337	288965	7.94	5			
112-84-5	Erucylamide					
14.599	1144396	34.3	6	93	113300	
	Unknown					
15.502	151536	4.54	6			
	Unknown					
15.747	150524	4.51	6			

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 5 Chrysene-d12	13.952	1455489	40.0
* 6 Perylene-d12	15.224	1336196	40.0

QC Flag Legend

Processing Flags

Report Date: 27-Sep-2011 10:10:08

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D

Injection Date: 23-Sep-2011 15:59:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 9

Operator ID: RMM

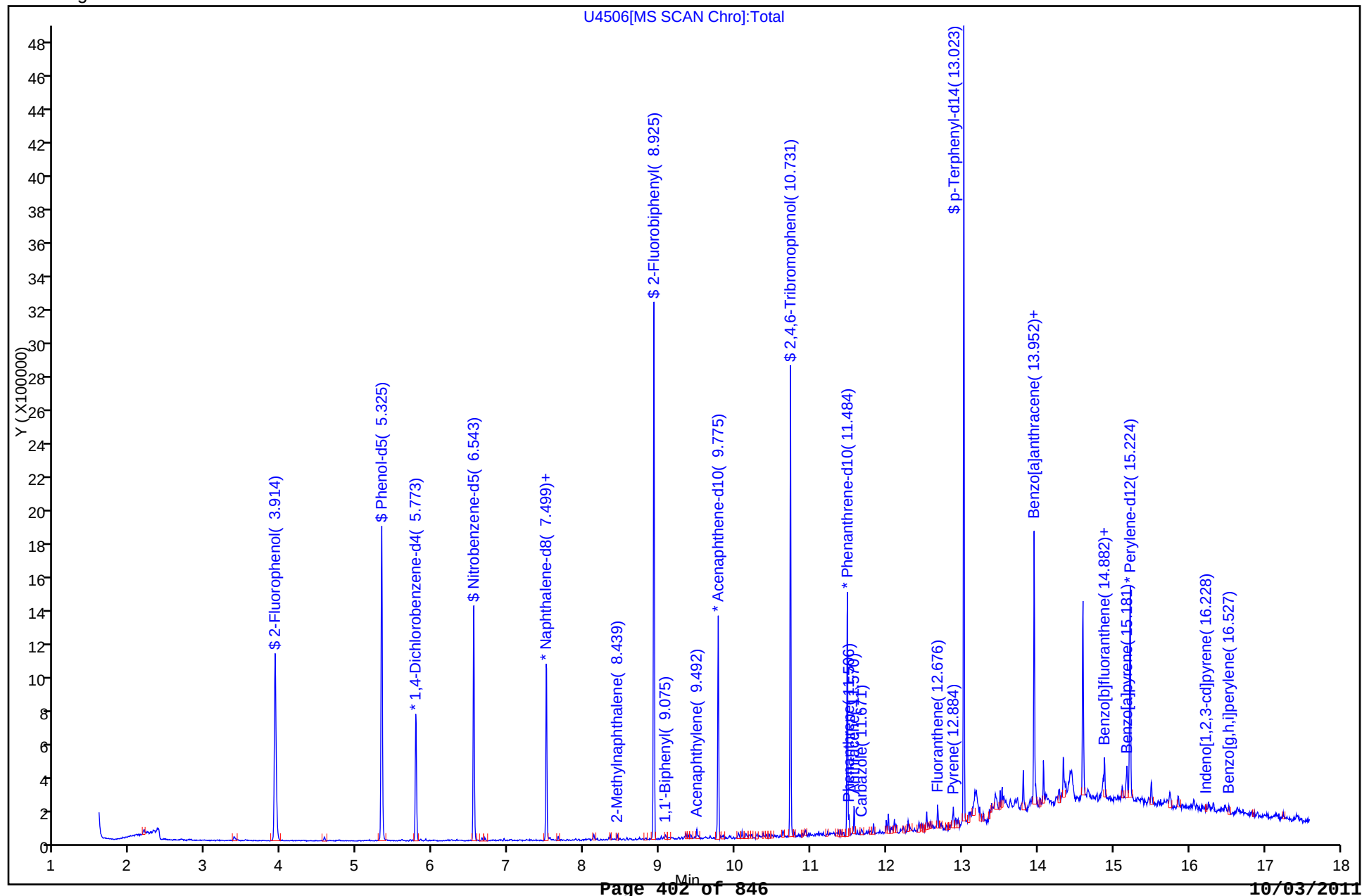
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

U4506[MS SCAN Chro]:Total



Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D

Injection Date: 23-Sep-2011 15:59:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 9

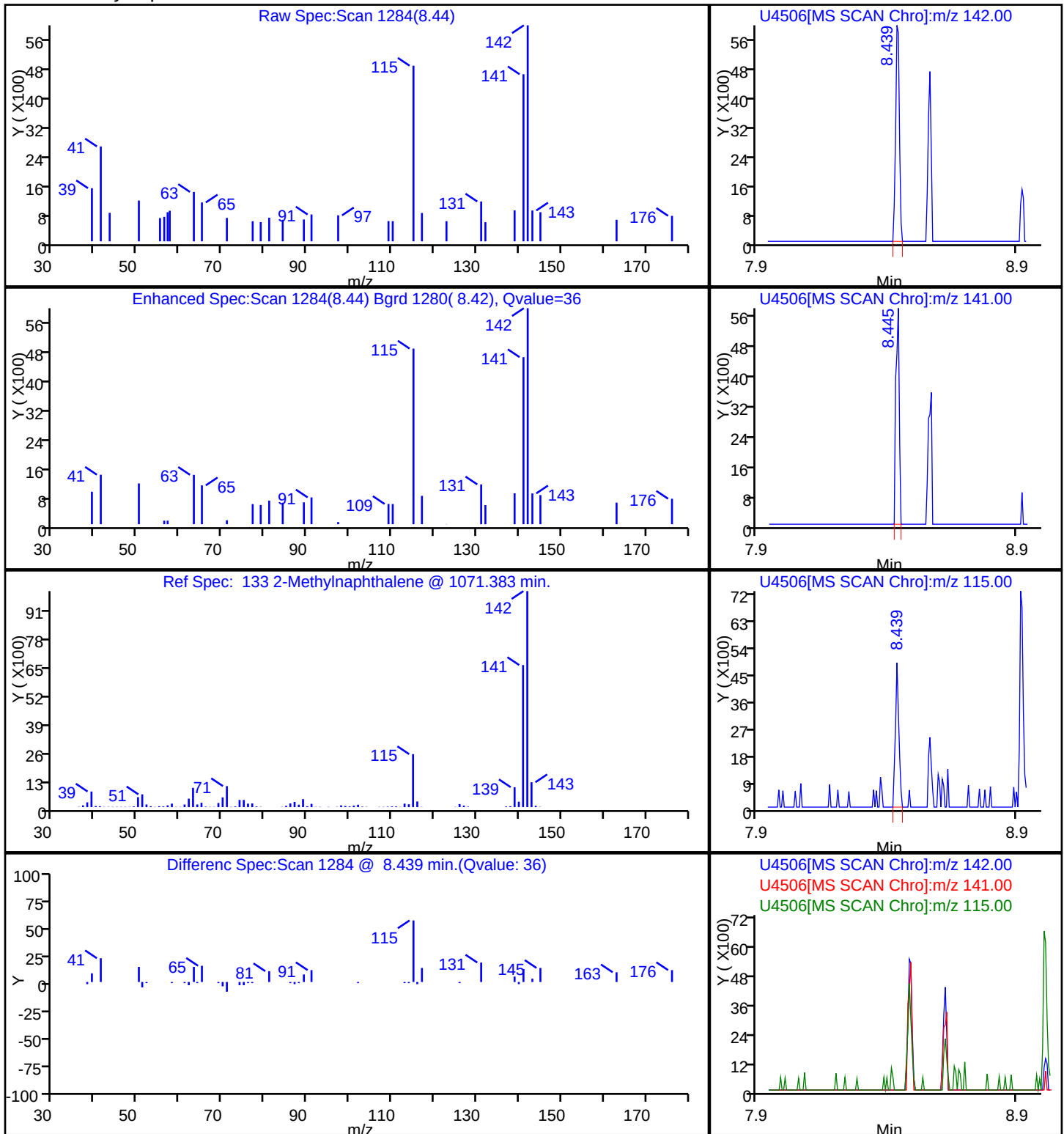
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

133 2-Methylnaphthalene



Report Date: 27-Sep-2011 10:10:08

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D

Injection Date: 23-Sep-2011 15:59:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 9

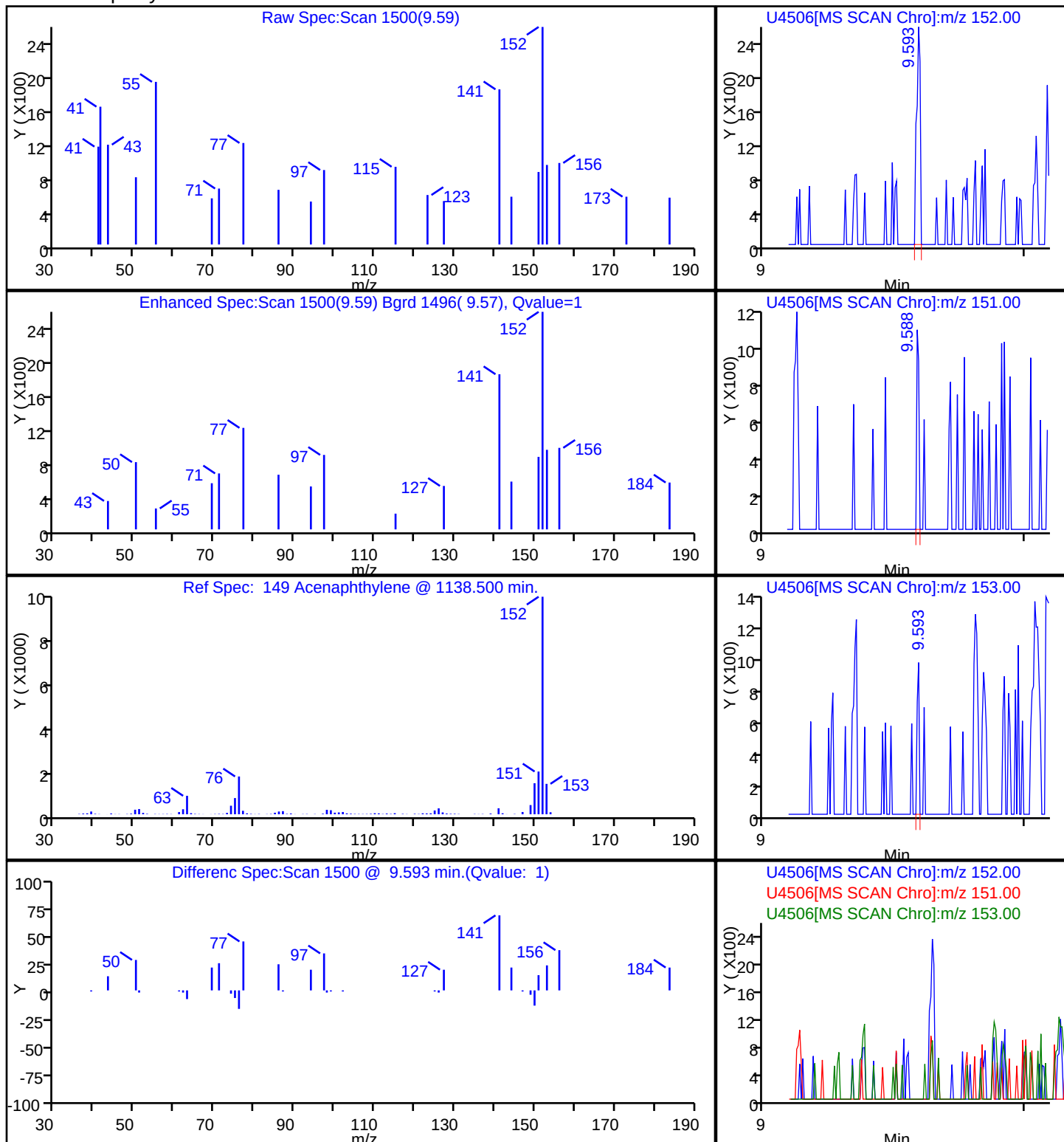
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

149 Acenaphthylene



Report Date: 27-Sep-2011 10:10:08

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D

Injection Date: 23-Sep-2011 15:59:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 9

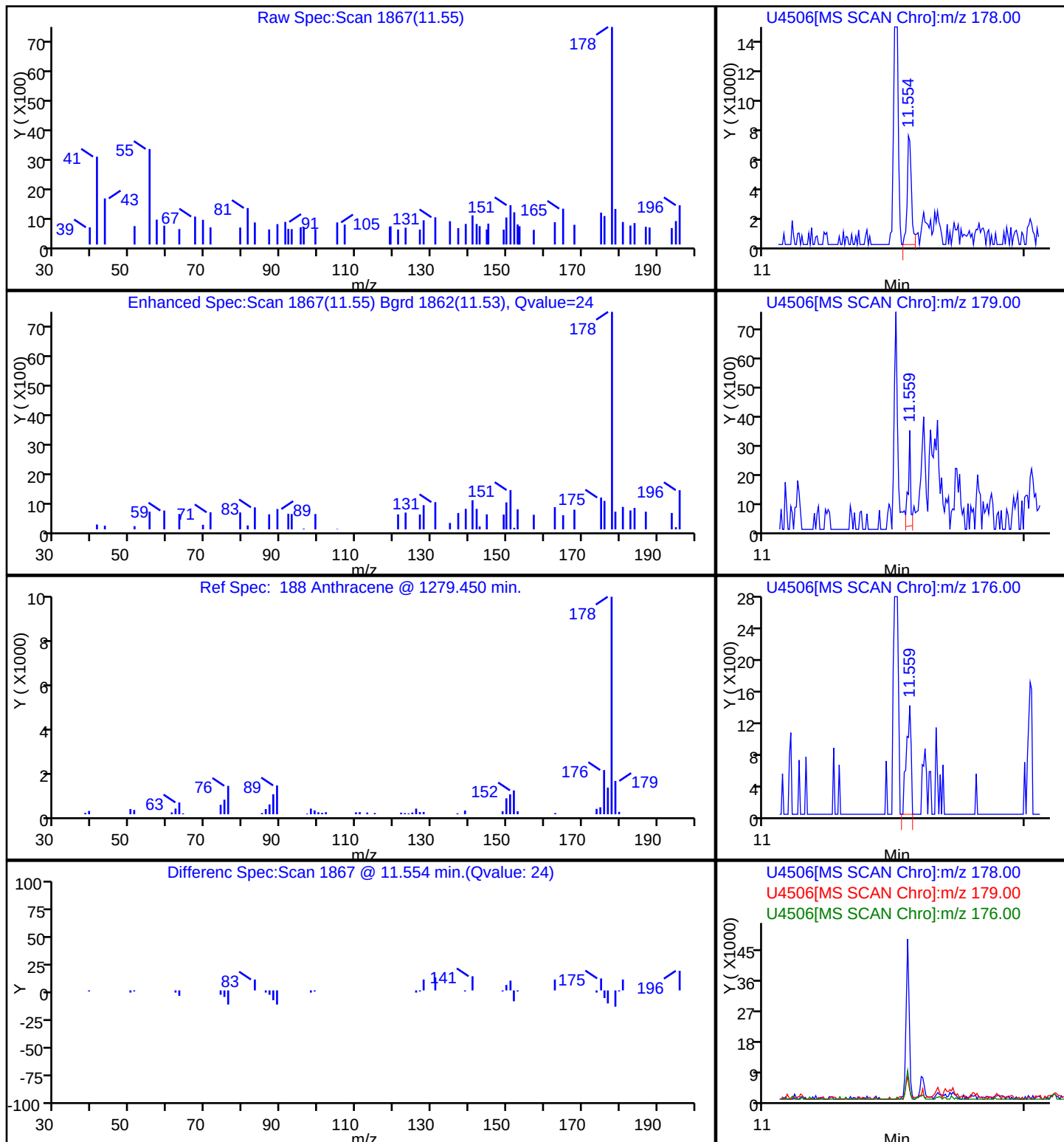
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

188 Anthracene



Report Date: 27-Sep-2011 10:10:08

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D

Injection Date: 23-Sep-2011 15:59:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 9

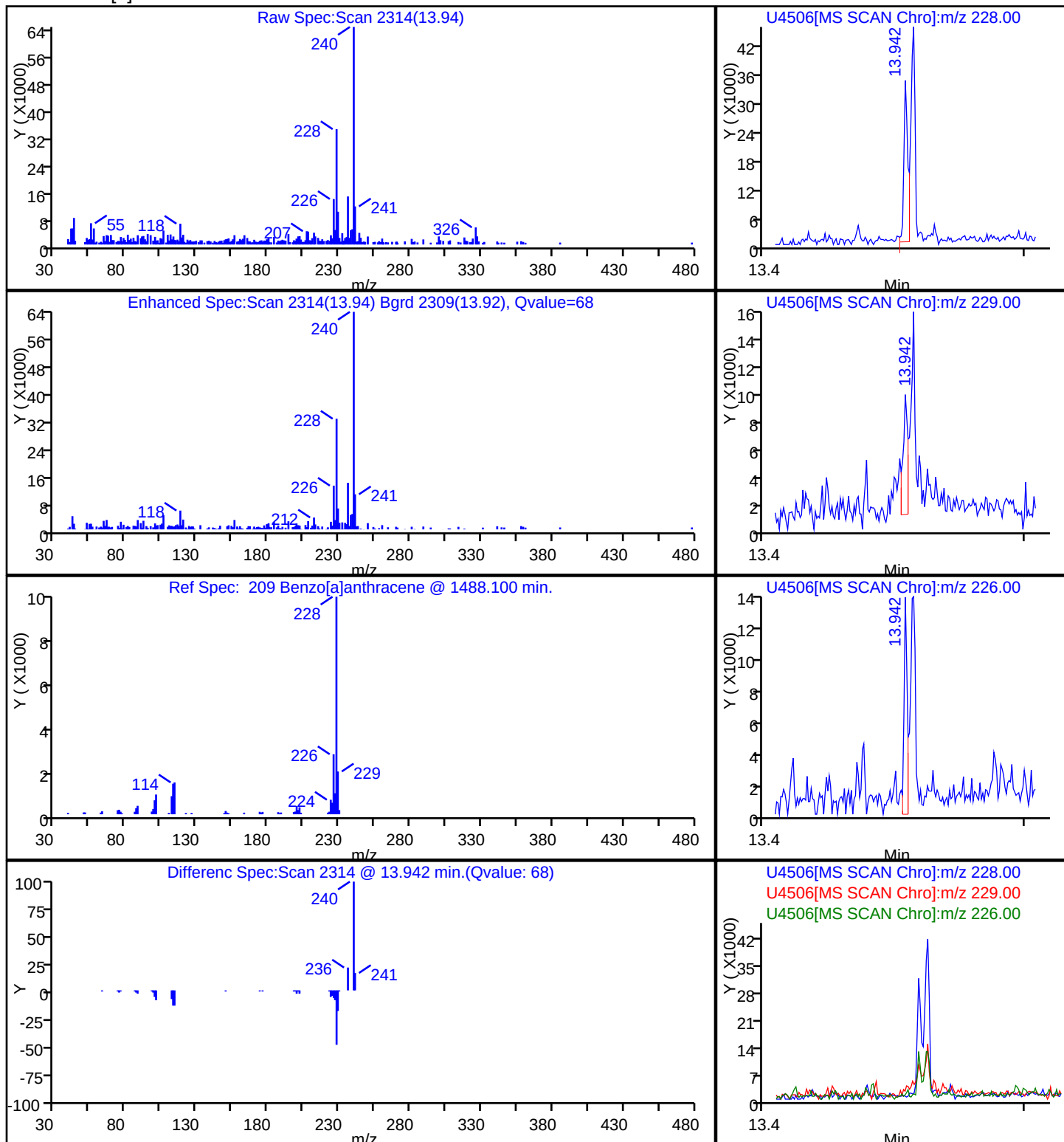
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

209 Benzo[a]anthracene



Report Date: 27-Sep-2011 10:10:08

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D

Injection Date: 23-Sep-2011 15:59:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 9

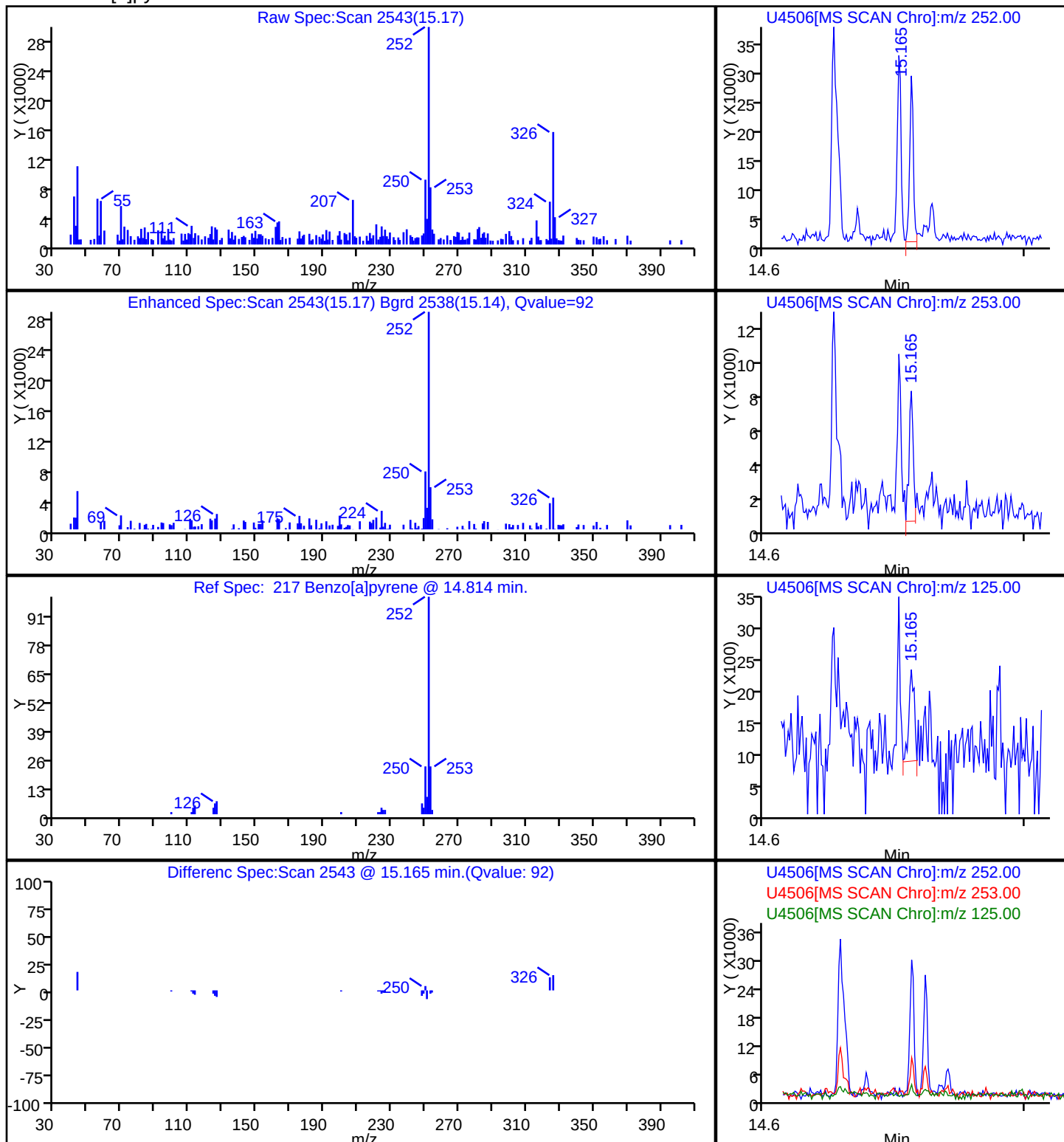
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

217 Benzo[a]pyrene



Report Date: 27-Sep-2011 10:10:08

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D

Injection Date: 23-Sep-2011 15:59:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 9

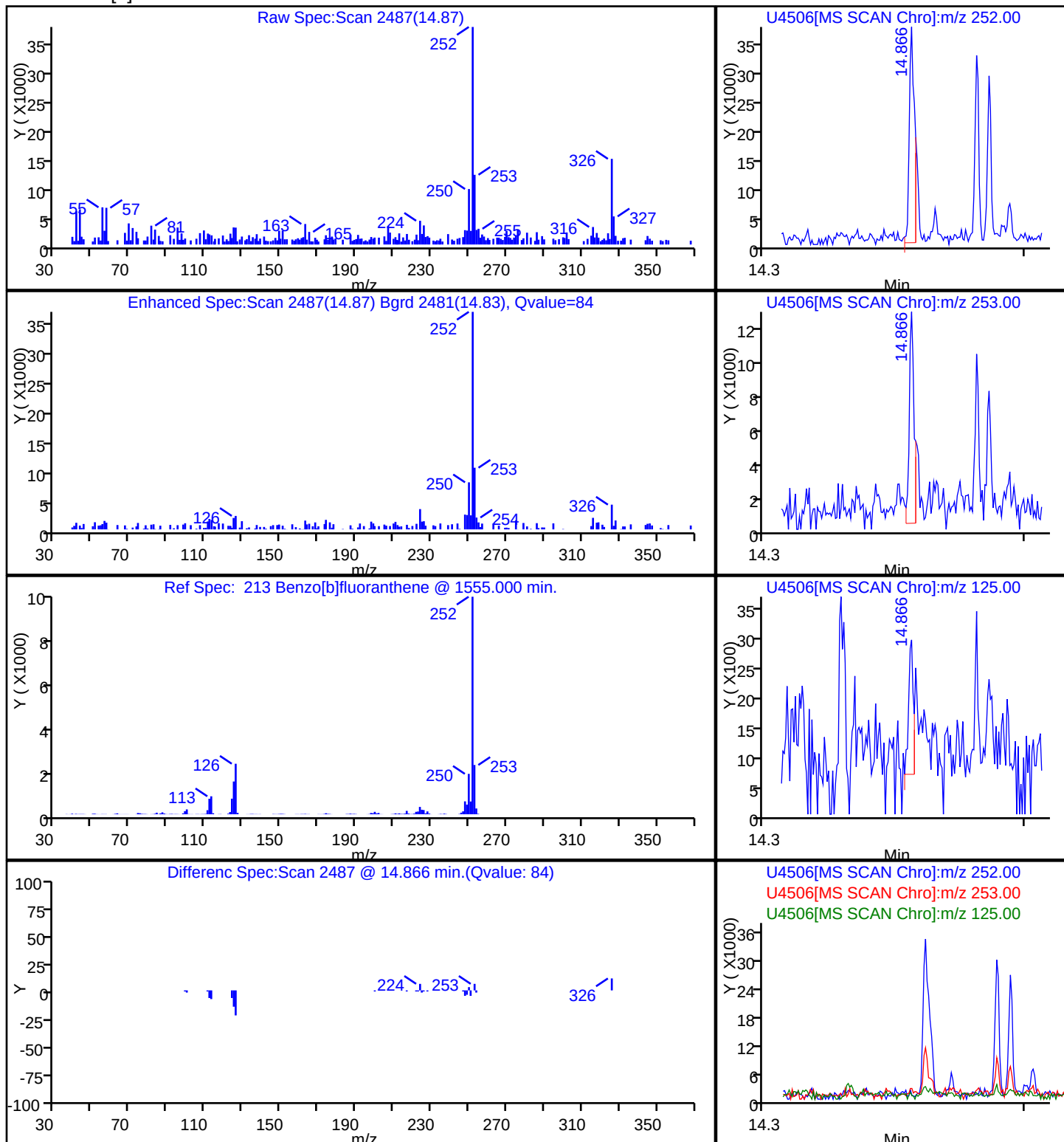
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

213 Benzo[b]fluoranthene



Report Date: 27-Sep-2011 10:10:08

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D

Injection Date: 23-Sep-2011 15:59:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 9

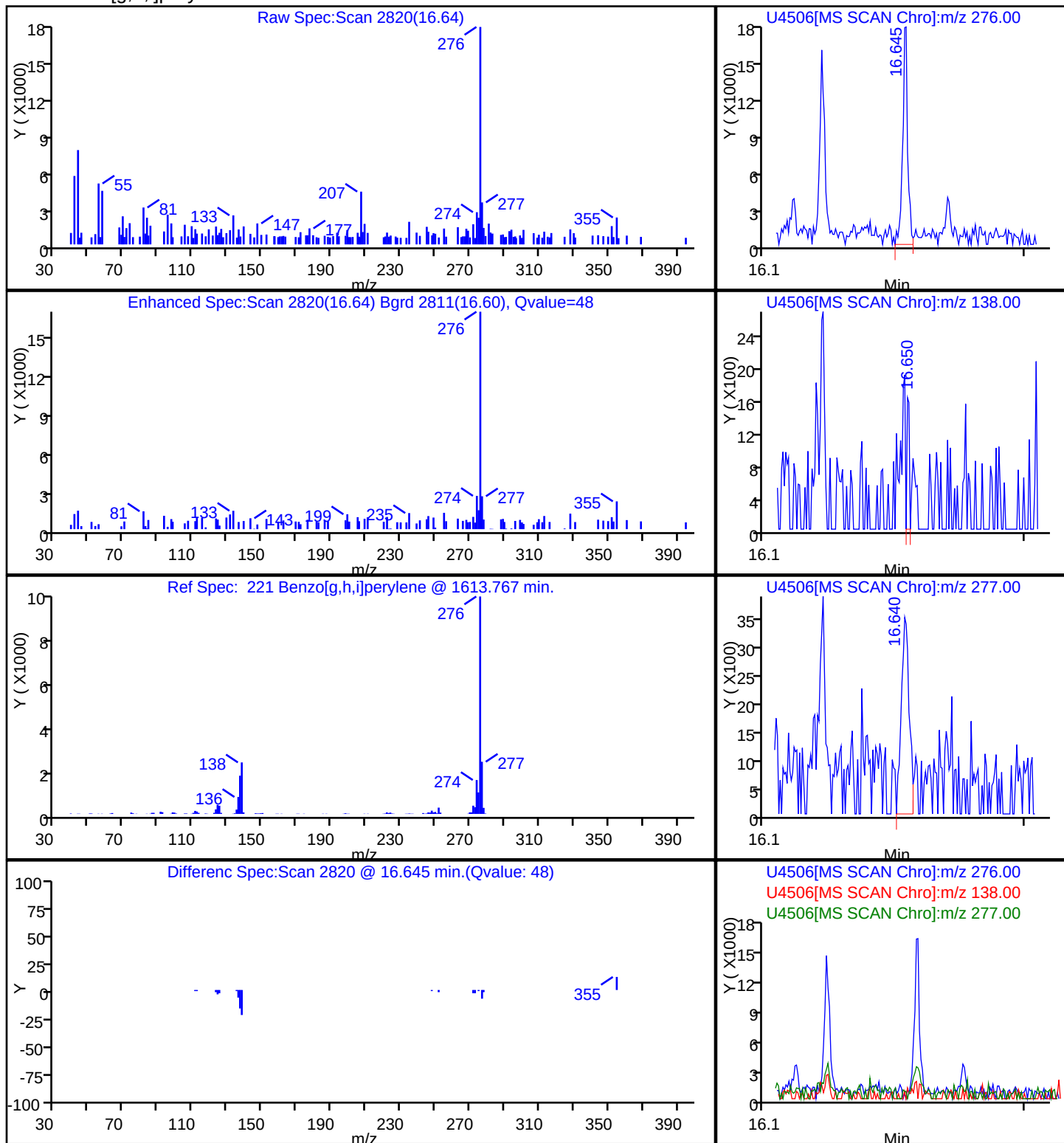
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

221 Benzo[g,h,i]perylene



Report Date: 27-Sep-2011 10:10:08

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D

Injection Date: 23-Sep-2011 15:59:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 9

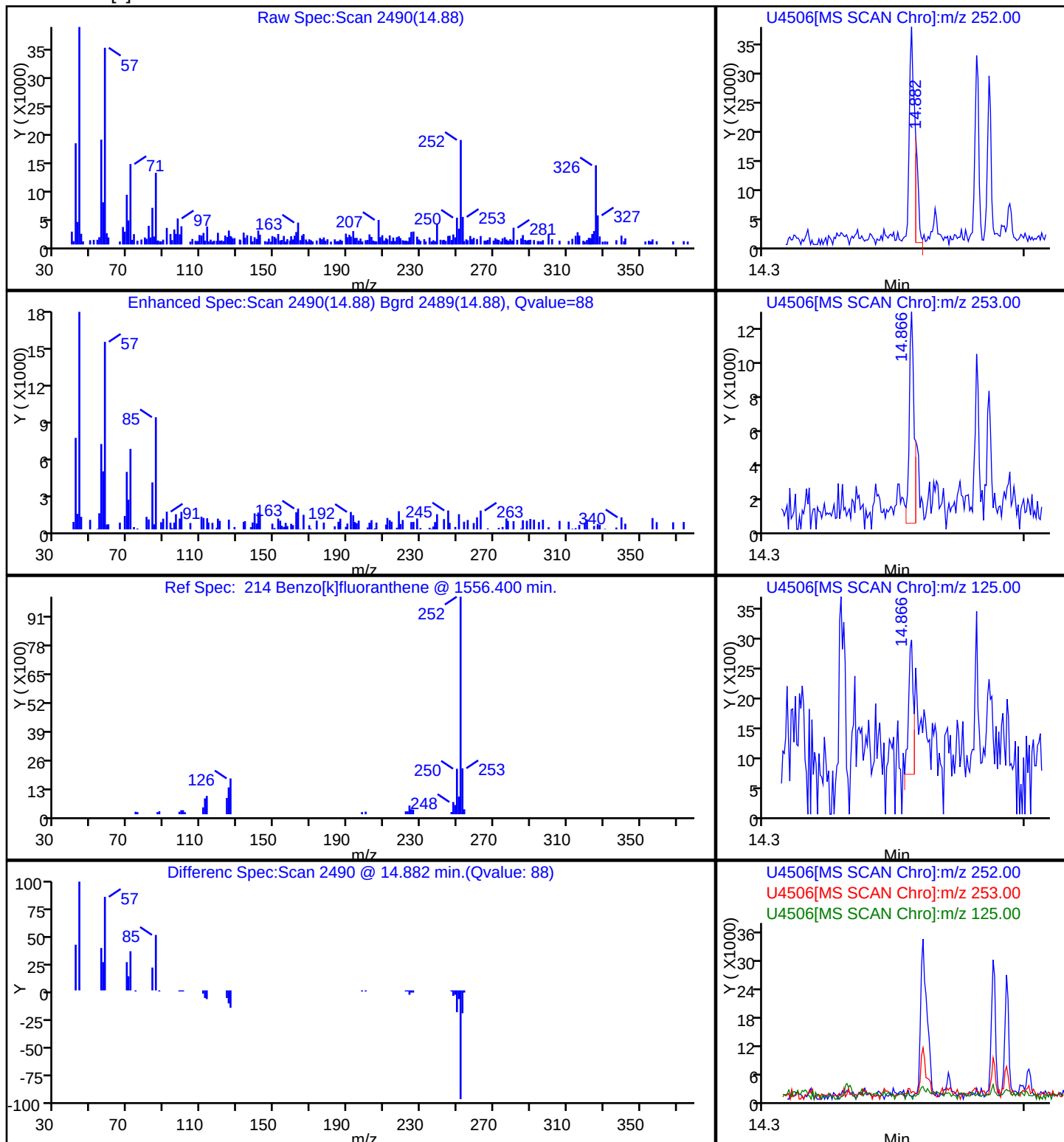
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

214 Benzo[k]fluoranthene



Report Date: 27-Sep-2011 10:10:08

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D

Injection Date: 23-Sep-2011 15:59:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 9

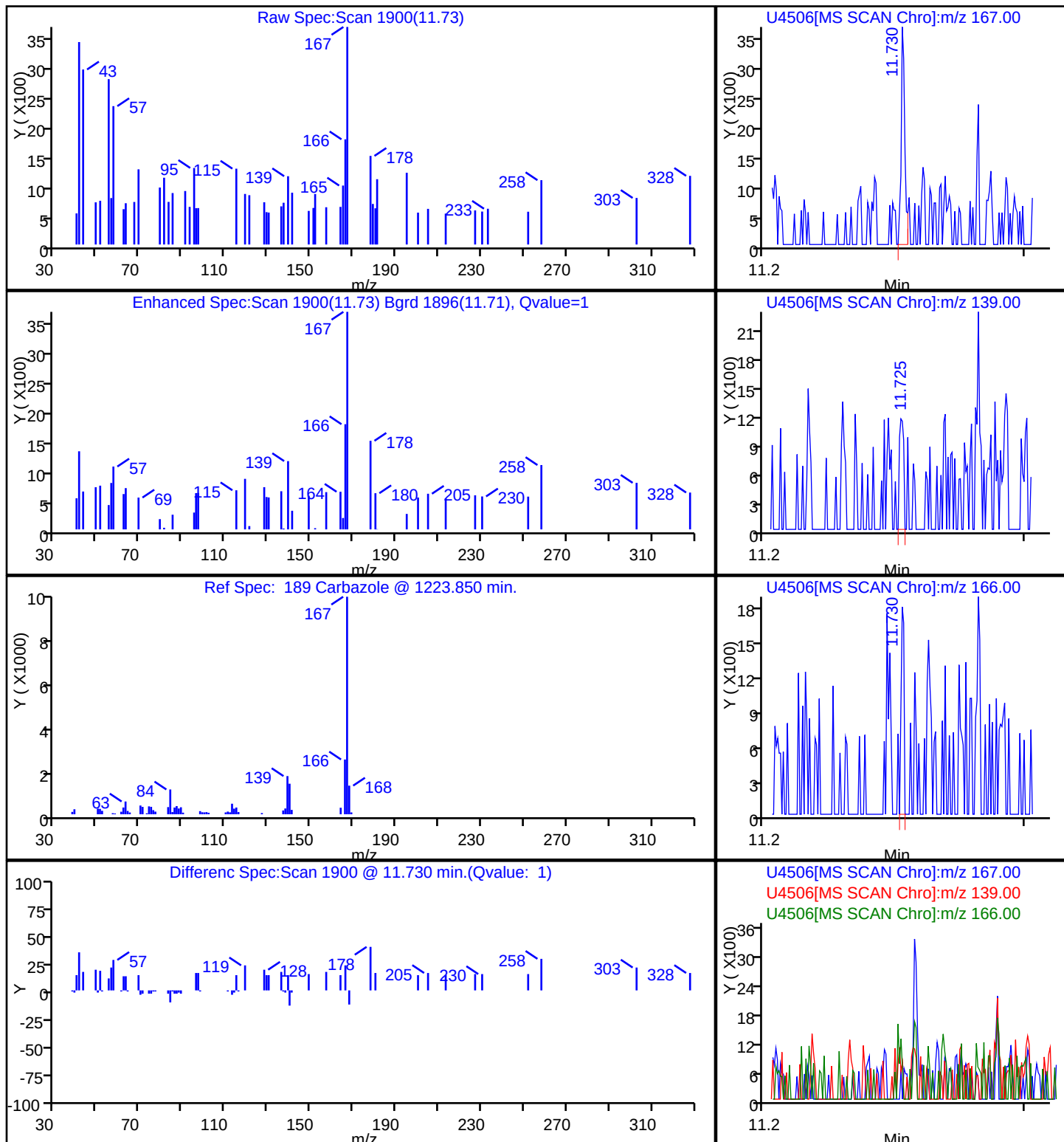
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

189 Carbazole



Report Date: 27-Sep-2011 10:10:08

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D

Injection Date: 23-Sep-2011 15:59:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 9

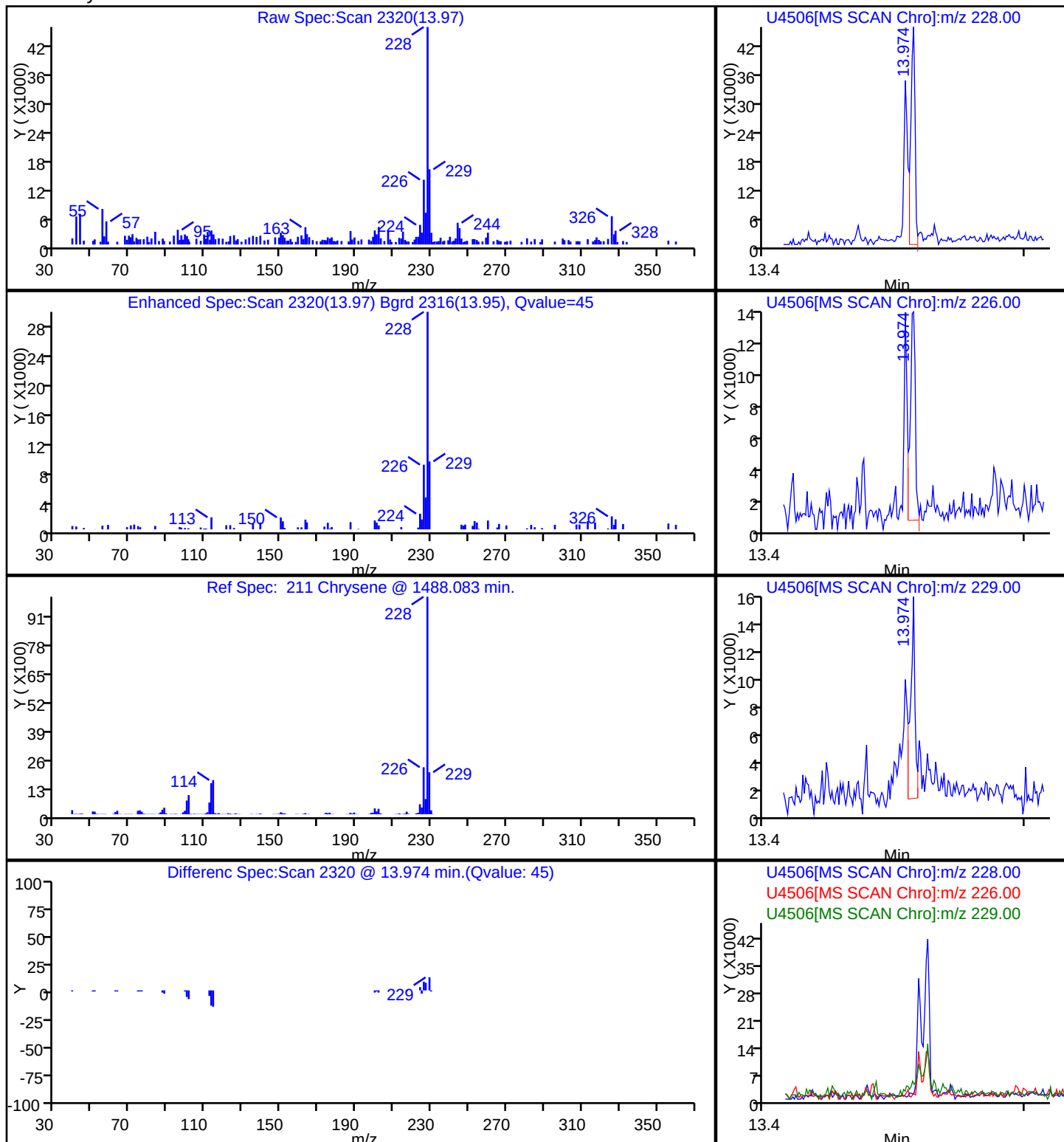
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

211 Chrysene



Report Date: 27-Sep-2011 10:10:08

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D

Injection Date: 23-Sep-2011 15:59:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 9

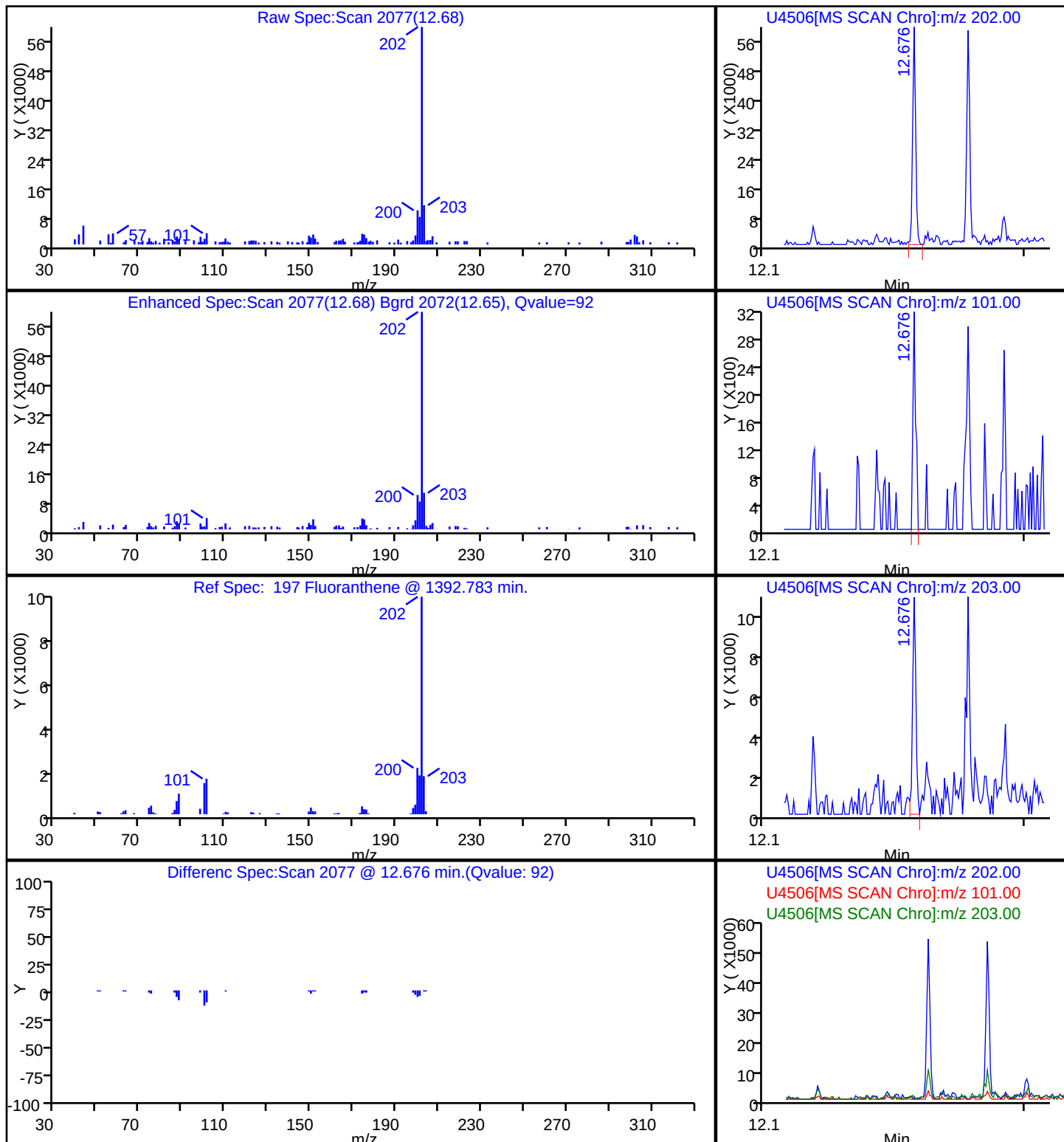
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

197 Fluoranthene



Report Date: 27-Sep-2011 10:10:08

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D

Injection Date: 23-Sep-2011 15:59:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 9

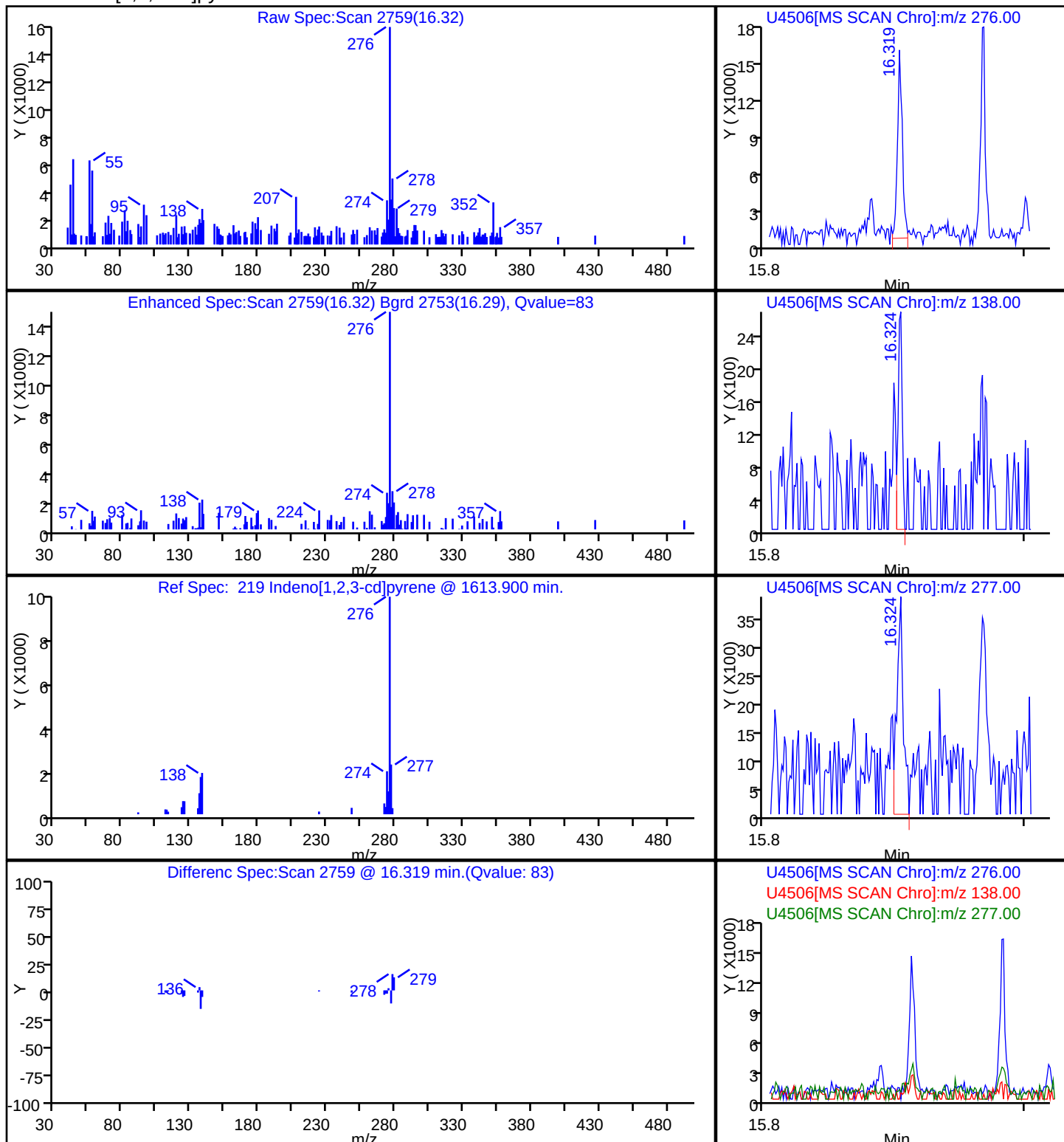
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

219 Indeno[1,2,3-cd]pyrene



Report Date: 27-Sep-2011 10:10:08

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D

Injection Date: 23-Sep-2011 15:59:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 9

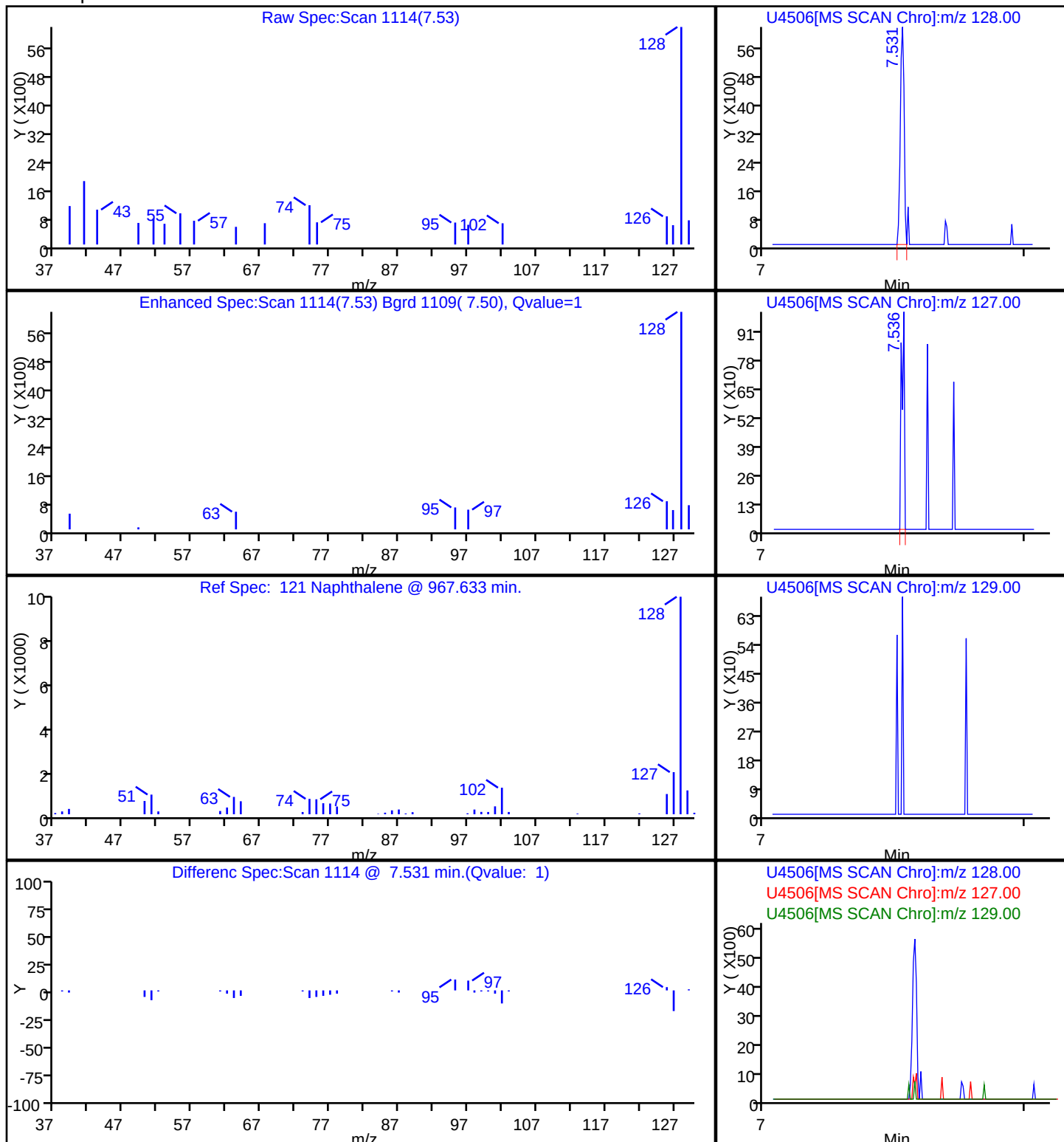
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

121 Naphthalene



Report Date: 27-Sep-2011 10:10:08

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D

Injection Date: 23-Sep-2011 15:59:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 9

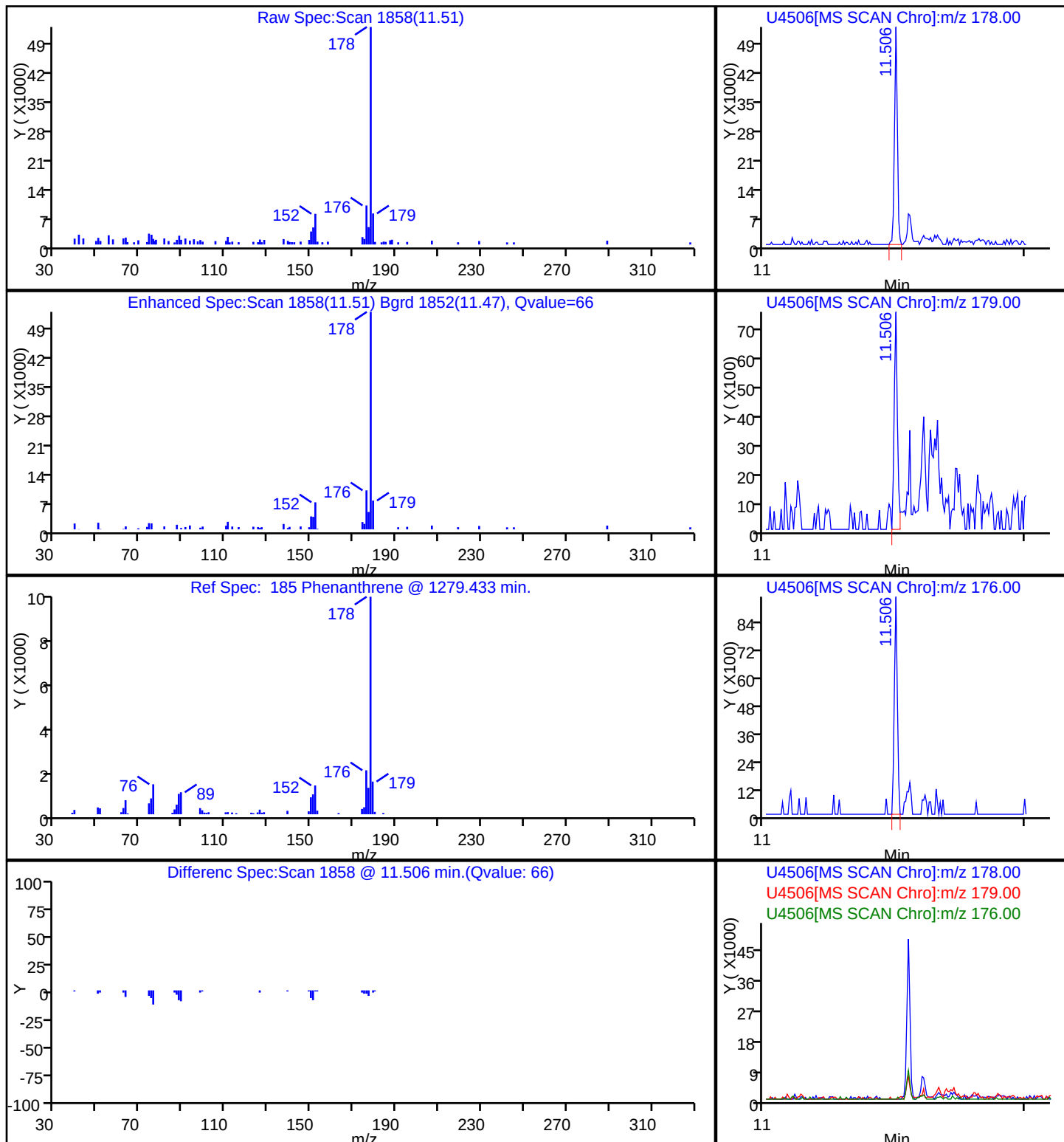
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

185 Phenanthrene



Report Date: 27-Sep-2011 10:10:08

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D

Injection Date: 23-Sep-2011 15:59:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 9

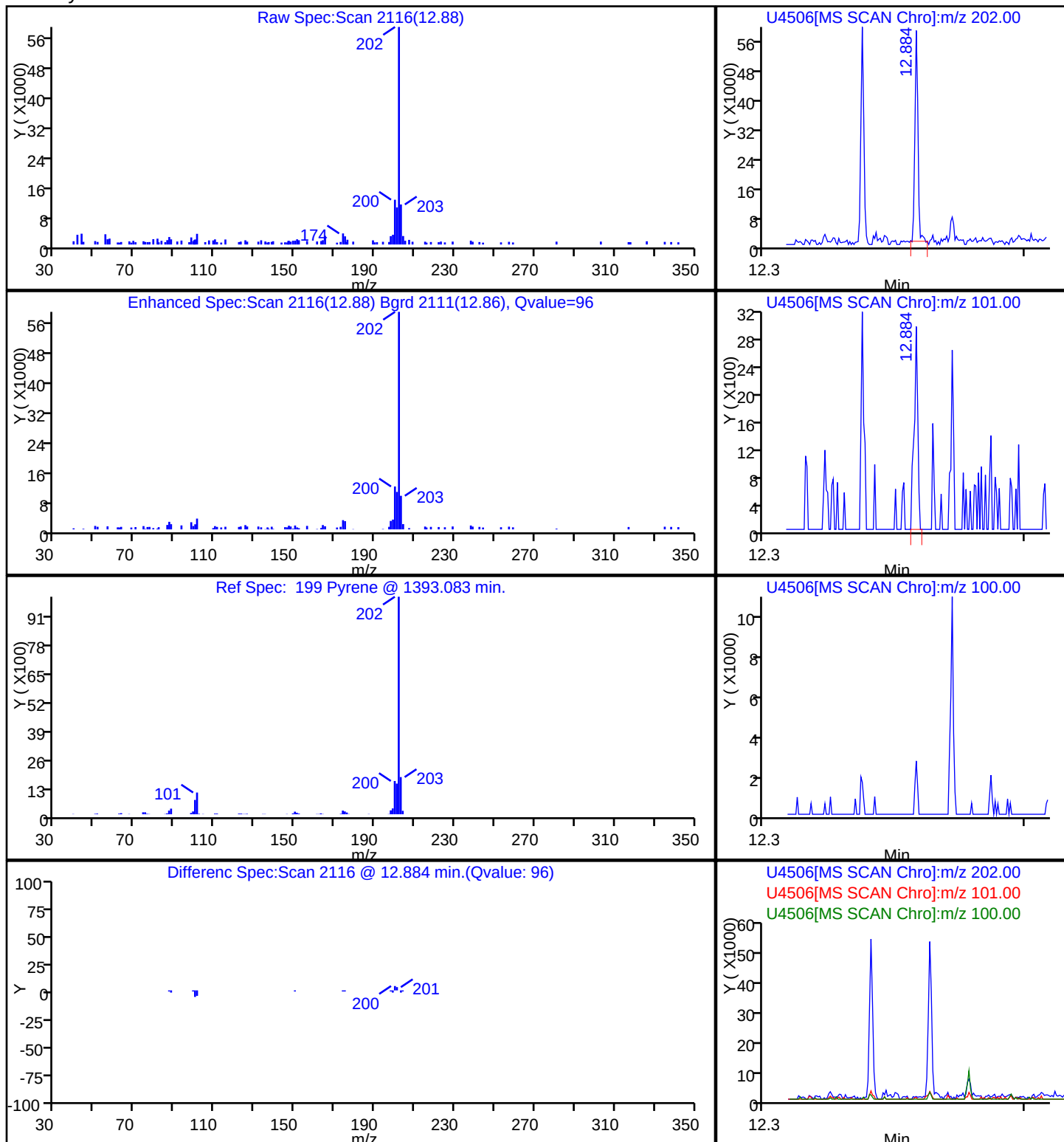
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

199 Pyrene

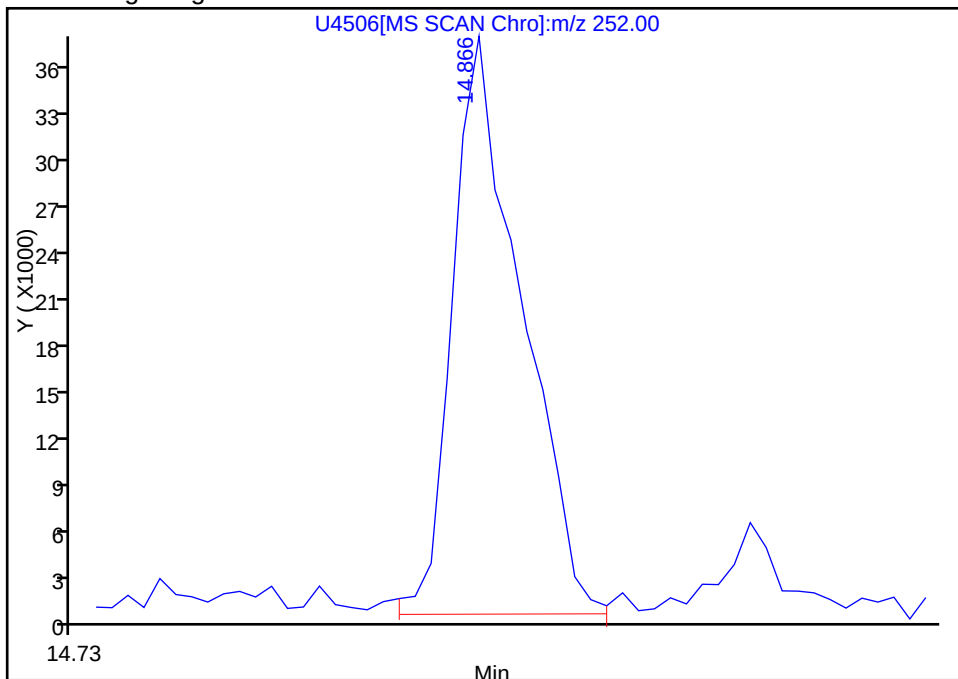


Data File:	\\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D		
Injection Date:	23-Sep-2011 15:59:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-C2 (5-7)	Instrument ID:	HP5973U
Lims Batch ID:	32612	Lims Sample ID:	9
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.87

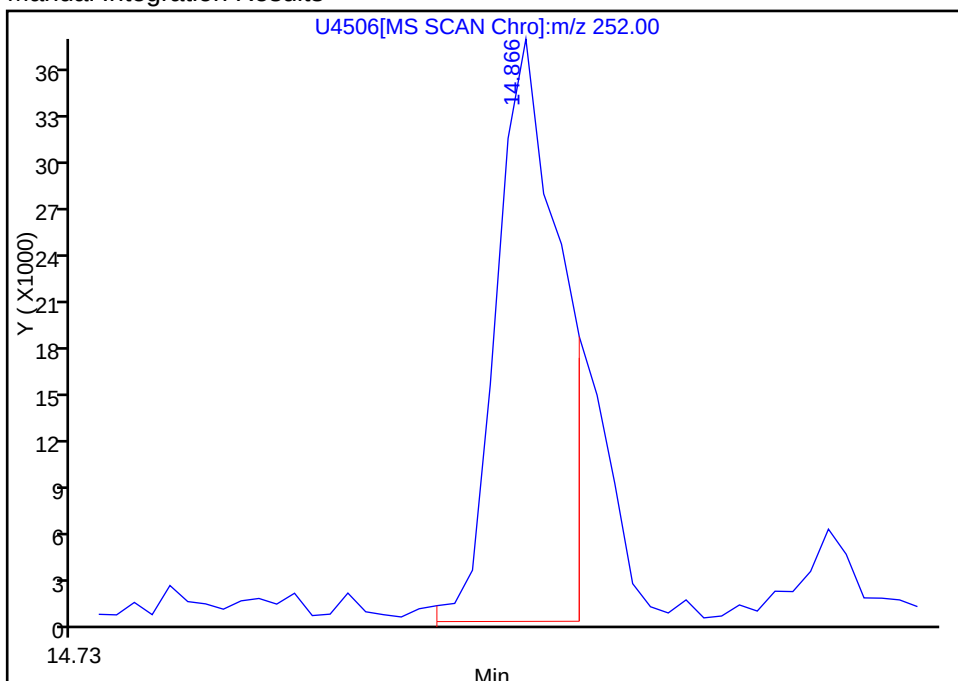
RT: 14.87
Response: 59412
Amount: 3.573119

Processing Integration Results



RT: 14.87
Response: 50734
Amount: 3.051212

Manual Integration Results



Reviewer: mckernar, 26-Sep-2011 09:32:44

Audit Action: Split an Integrated Peak

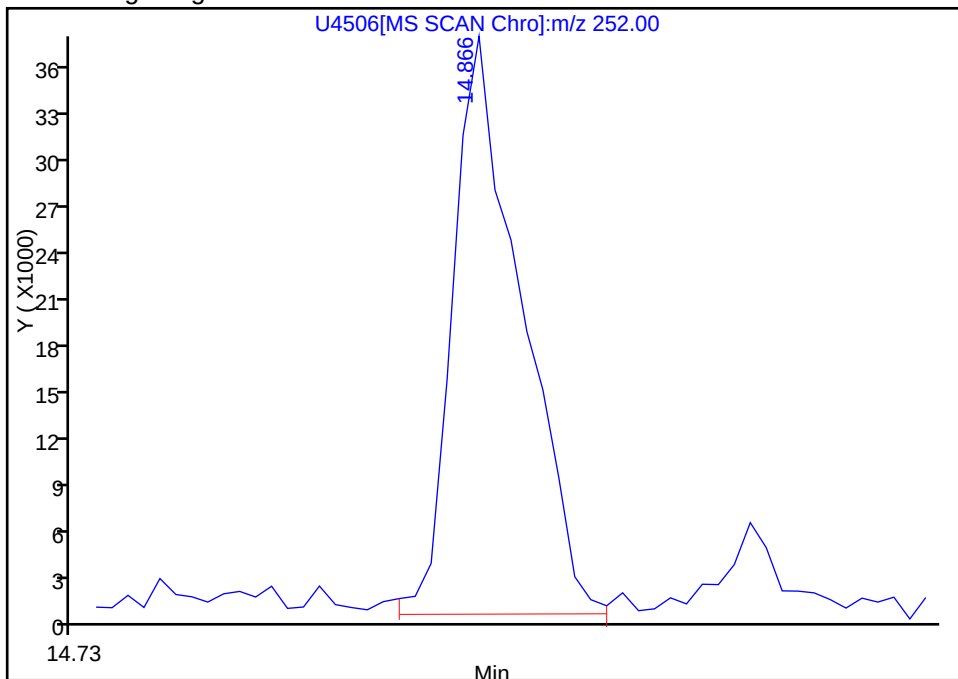
Audit Reason: Coelution

Data File:	\\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D		
Injection Date:	23-Sep-2011 15:59:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-C2 (5-7)	Instrument ID:	HP5973U
Lims Batch ID:	32612	Lims Sample ID:	9
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.89

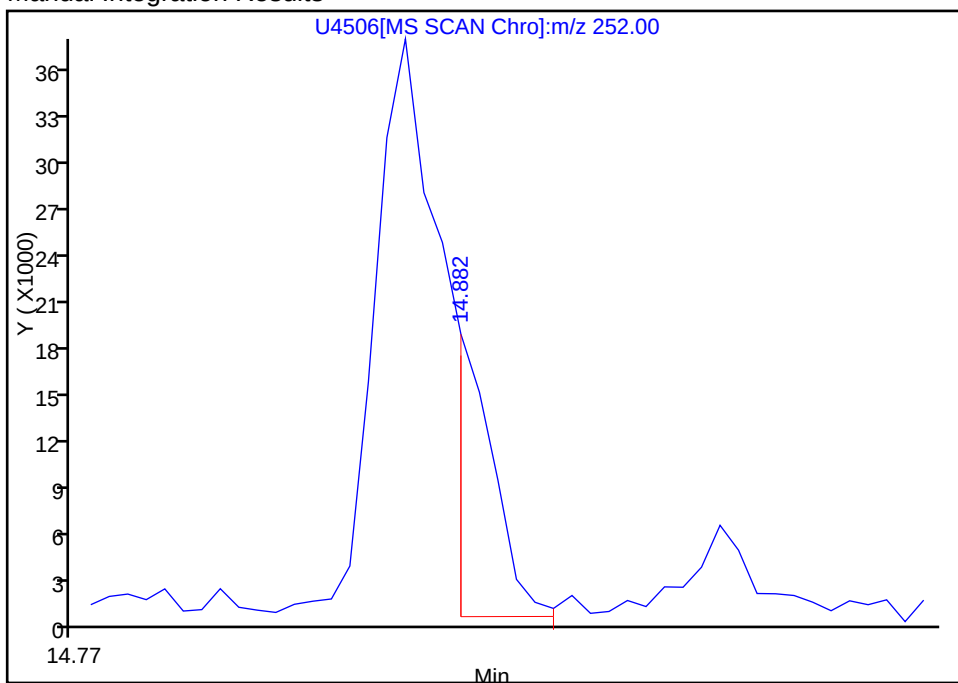
RT: 14.87
Response: 59412
Amount: 3.503568

Processing Integration Results



RT: 14.88
Response: 14507
Amount: 0.855488

Manual Integration Results



Reviewer: mckernar, 26-Sep-2011 09:32:44

Audit Action: Split an Integrated Peak

Audit Reason: Coelution

Report Date: 27-Sep-2011 10:10:08

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D

Injection Date: 23-Sep-2011 15:59:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 9

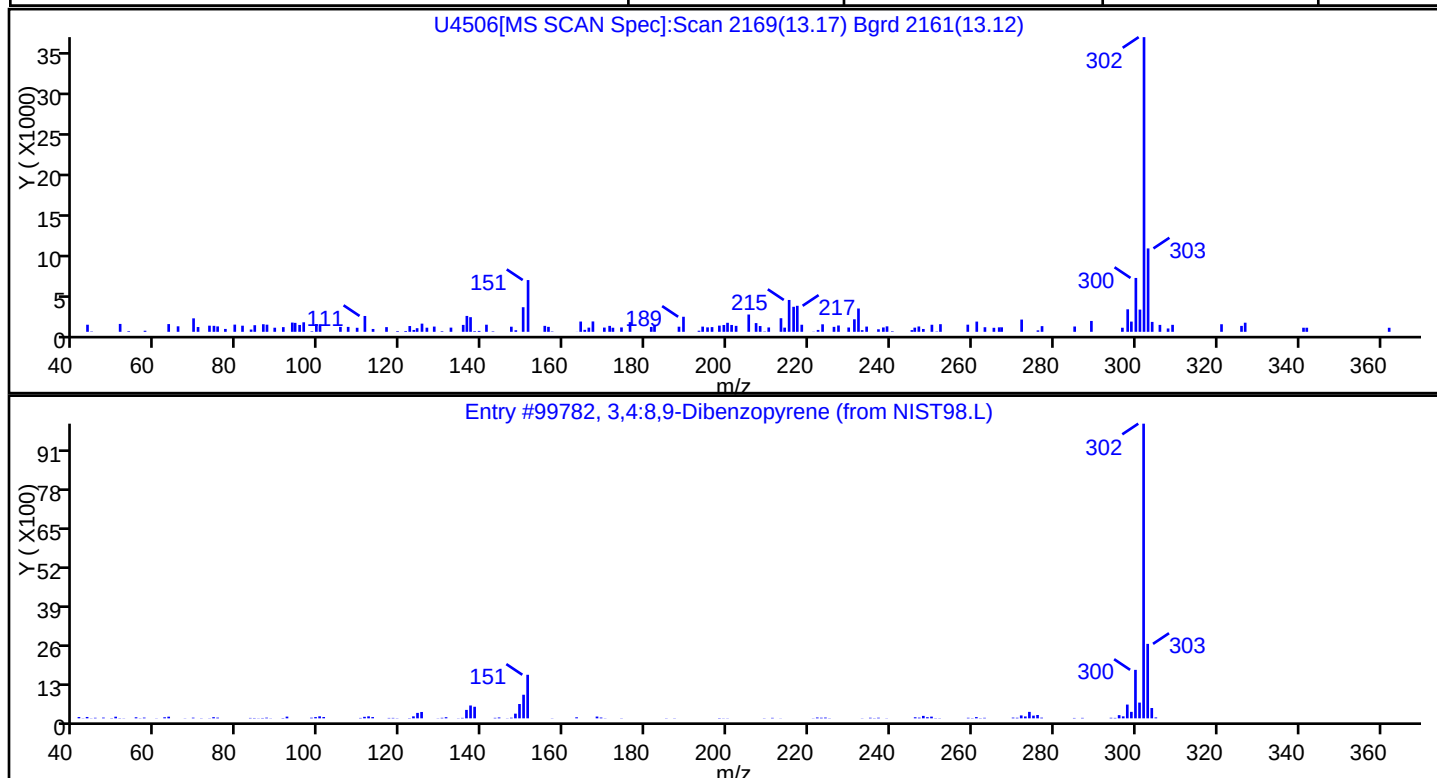
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
3,4:8,9-Dibenzopyrene	189-64-0	NIST98.L	99782	93



Report Date: 27-Sep-2011 10:10:08

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D

Injection Date: 23-Sep-2011 15:59:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 9

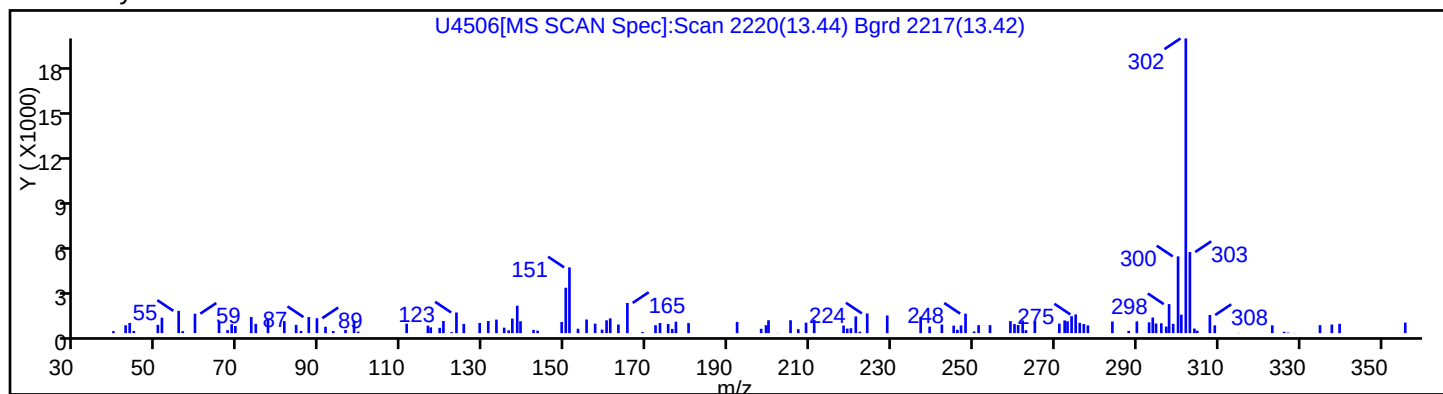
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 10



Report Date: 27-Sep-2011 10:10:08

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D

Injection Date: 23-Sep-2011 15:59:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 9

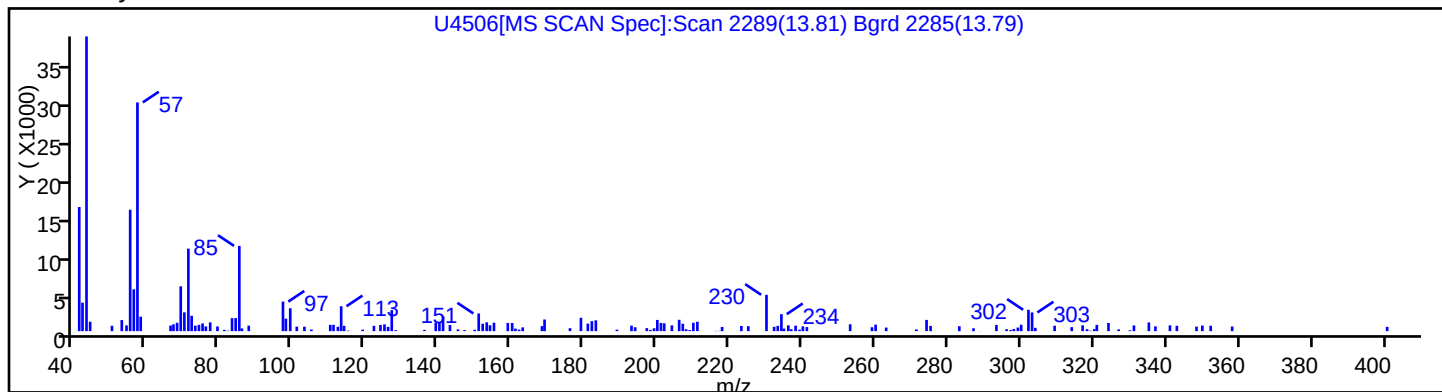
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 10



Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D

Injection Date: 23-Sep-2011 15:59:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 9

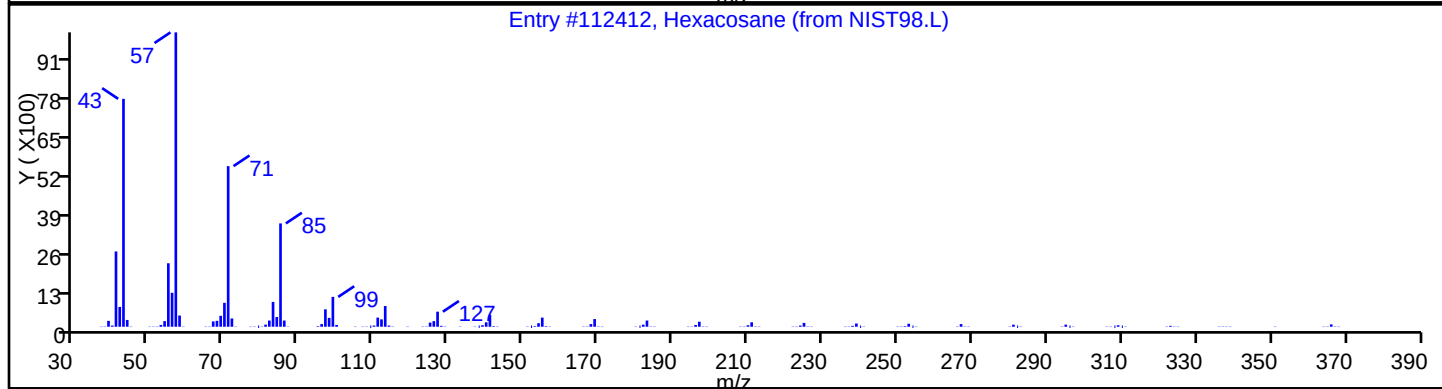
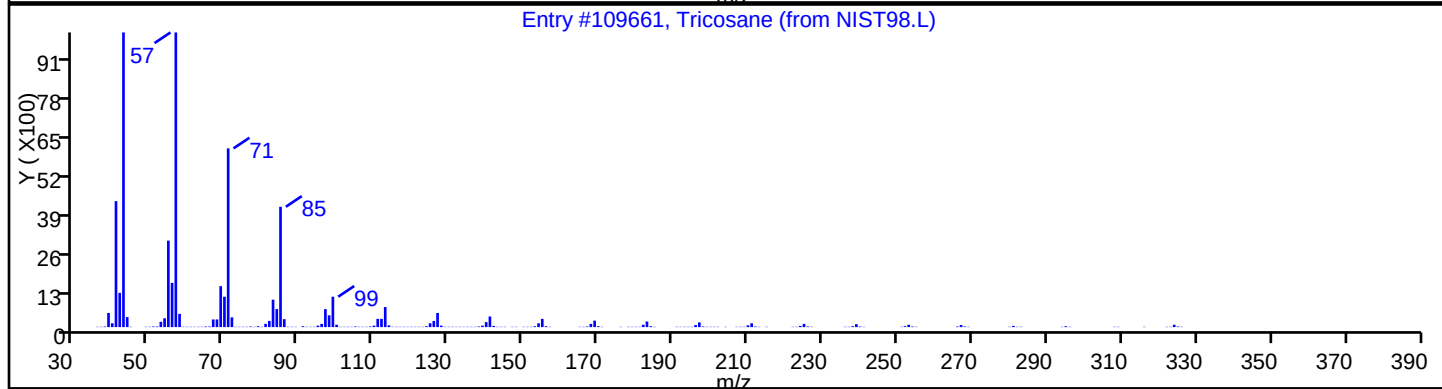
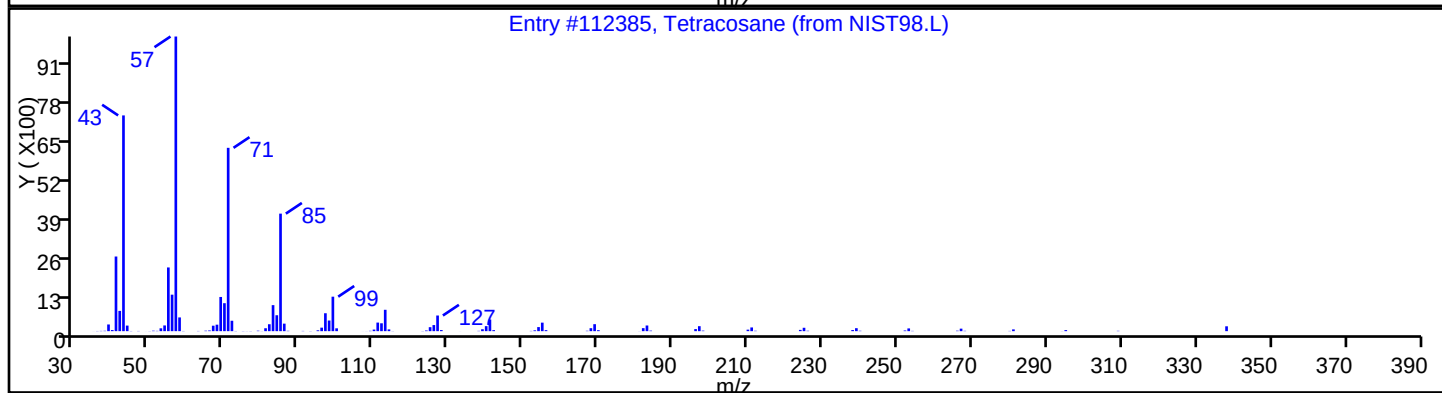
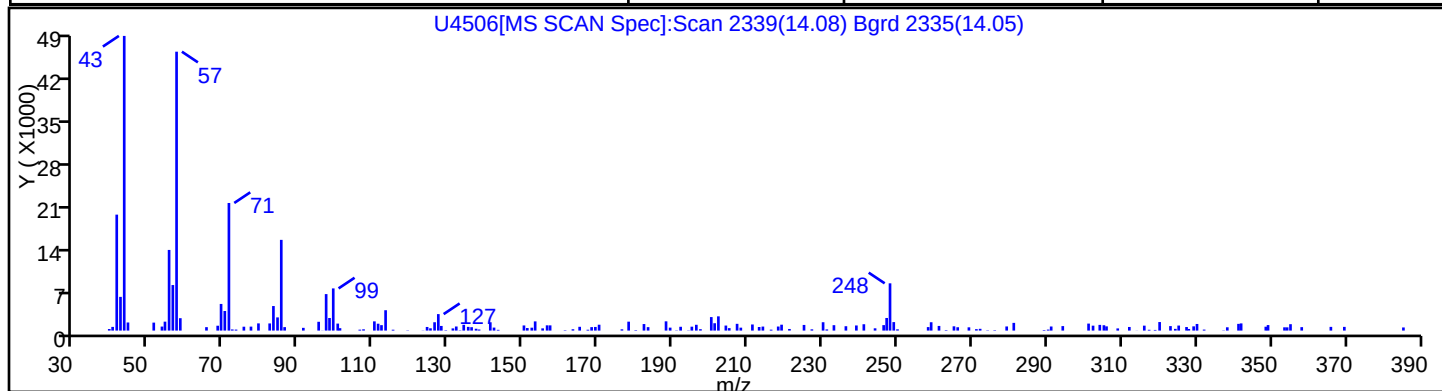
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tetracosane	646-31-1	NIST98.L	112385	94
Tricosane	638-67-5	NIST98.L	109661	91
Hexacosane	630-1-3	NIST98.L	112412	89



Report Date: 27-Sep-2011 10:10:08

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D

Injection Date: 23-Sep-2011 15:59:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 9

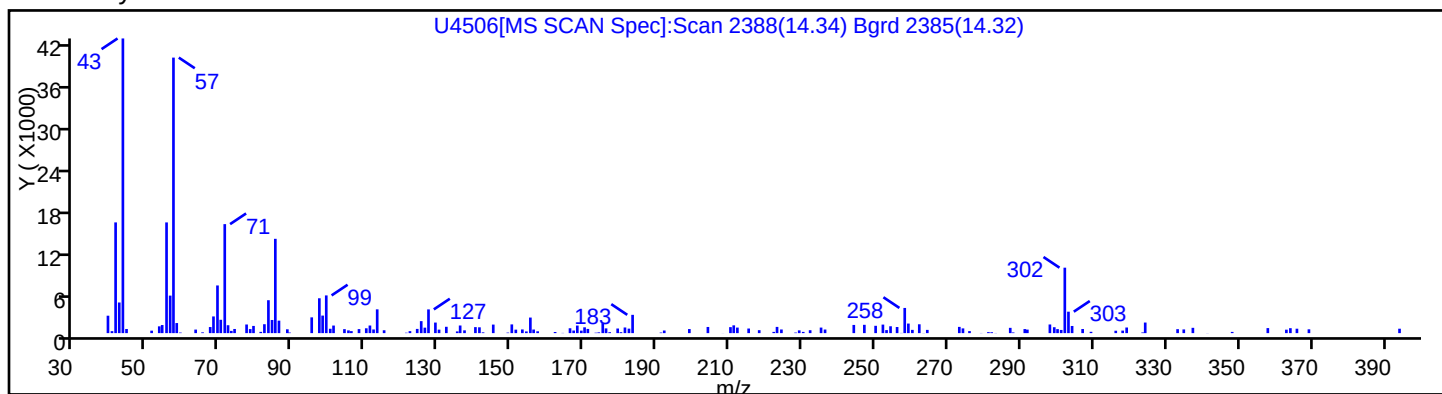
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 10



Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D

Injection Date: 23-Sep-2011 15:59:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 9

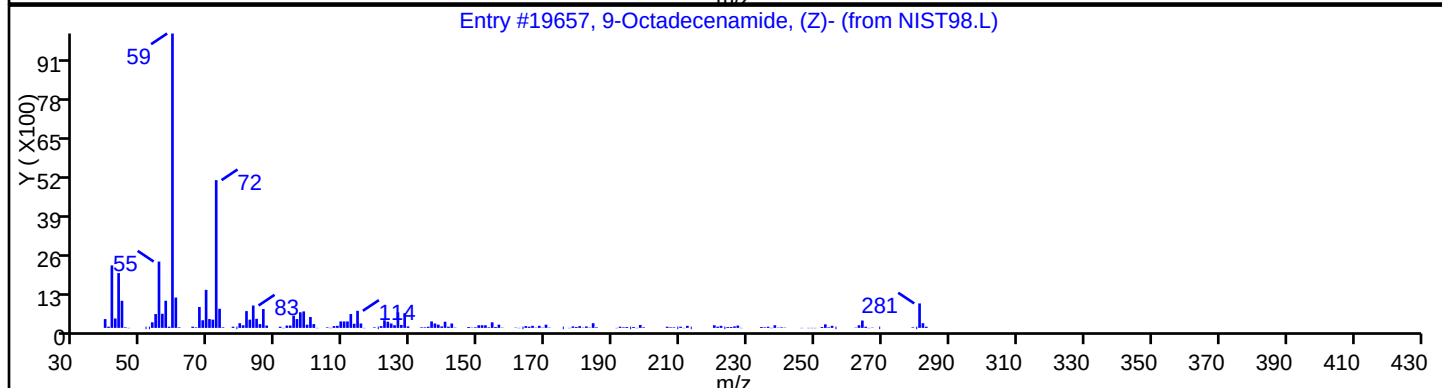
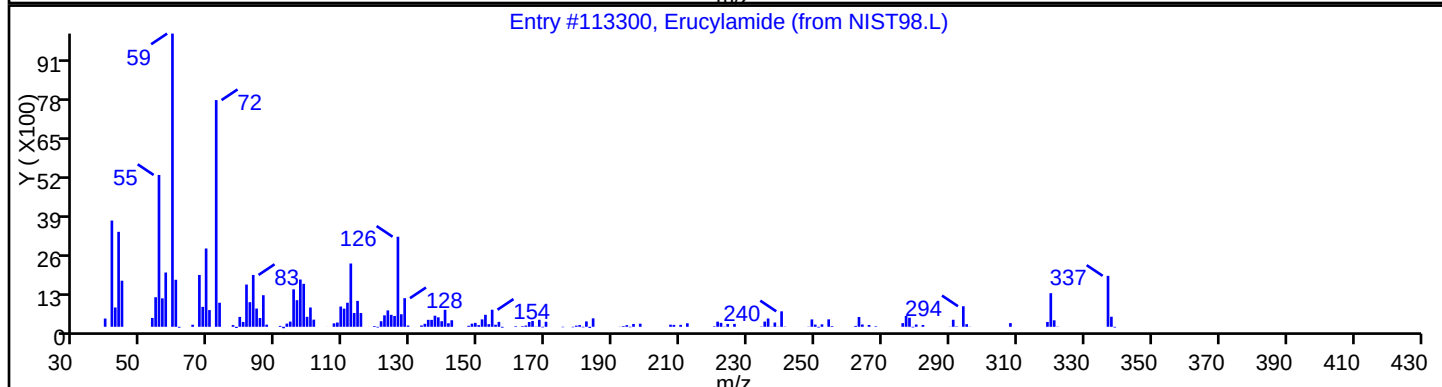
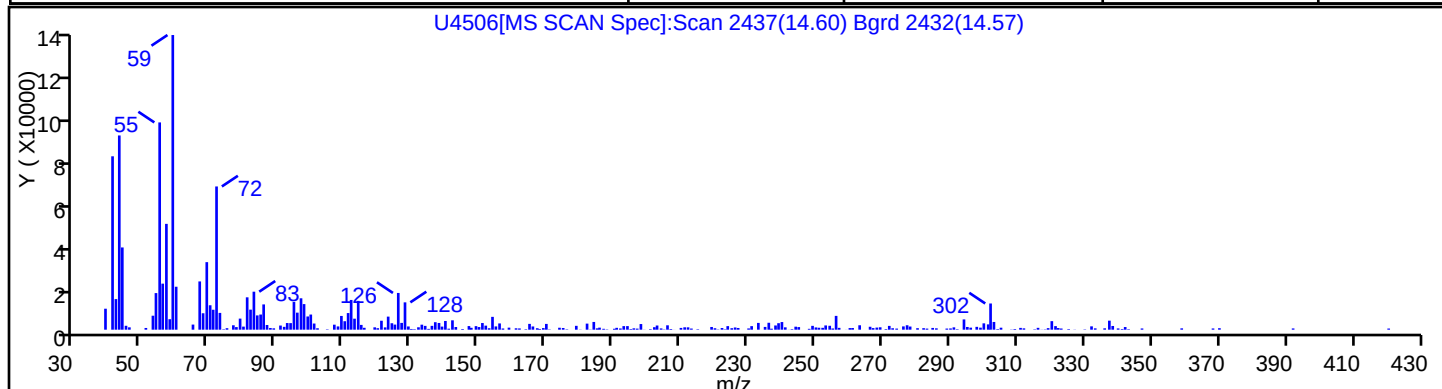
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Erucylamide	112-84-5	NIST98.L	113300	93
9-Octadecenamide, (Z)-	301-2-0	NIST98.L	19657	87



Report Date: 27-Sep-2011 10:10:08

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D

Injection Date: 23-Sep-2011 15:59:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 9

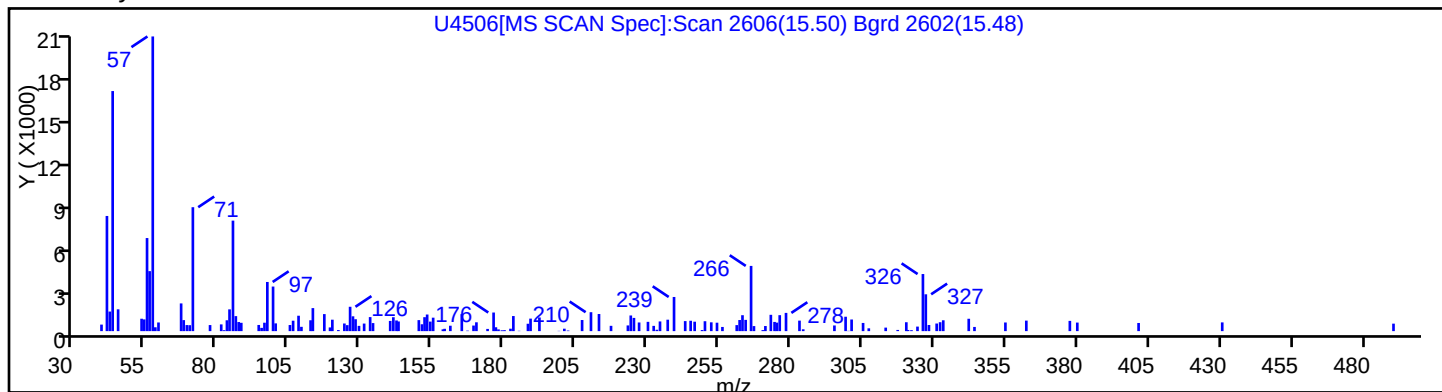
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 10



Report Date: 27-Sep-2011 10:10:08

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4506.D

Injection Date: 23-Sep-2011 15:59:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C2 (5-7)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 9

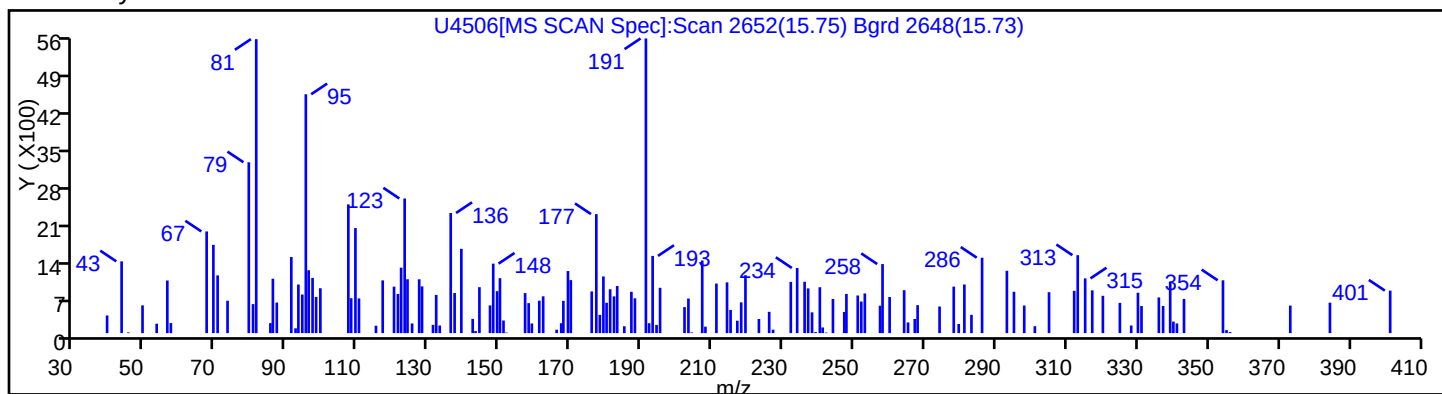
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 10



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-10088-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-C5 (5-9)</u>	Lab Sample ID: <u>480-10088-3</u>
Matrix: <u>Solid</u>	Lab File ID: <u>U4507.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/19/2011 08:15</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/22/2011 15:36</u>
Sample wt/vol: <u>+30.64(g)</u>	Date Analyzed: <u>09/23/2011 16:23</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>9.4</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>32612</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		180	40
88-06-2	2,4,6-Trichlorophenol	ND		180	12
120-83-2	2,4-Dichlorophenol	ND		180	9.6
105-67-9	2,4-Dimethylphenol	ND		180	49
51-28-5	2,4-Dinitrophenol	ND		360	64
121-14-2	2,4-Dinitrotoluene	ND		180	28
606-20-2	2,6-Dinitrotoluene	ND		180	45
91-58-7	2-Chloronaphthalene	ND		180	12
95-57-8	2-Chlorophenol	ND		180	9.3
91-57-6	2-Methylnaphthalene	ND		180	2.2
95-48-7	2-Methylphenol	ND		180	5.6
88-74-4	2-Nitroaniline	ND		360	59
88-75-5	2-Nitrophenol	ND		180	8.3
91-94-1	3,3'-Dichlorobenzidine	ND		180	160
99-09-2	3-Nitroaniline	ND		360	42
534-52-1	4,6-Dinitro-2-methylphenol	ND		360	63
101-55-3	4-Bromophenyl phenyl ether	ND		180	58
59-50-7	4-Chloro-3-methylphenol	ND		180	7.5
106-47-8	4-Chloroaniline	ND		180	54
7005-72-3	4-Chlorophenyl phenyl ether	ND		180	3.9
106-44-5	4-Methylphenol	ND		360	10
100-01-6	4-Nitroaniline	ND		360	20
100-02-7	4-Nitrophenol	ND		360	44
83-32-9	Acenaphthene	22	J	180	2.1
208-96-8	Acenaphthylene	ND		180	1.5
98-86-2	Acetophenone	ND		180	9.4
120-12-7	Anthracene	55	J	180	4.7
1912-24-9	Atrazine	ND		180	8.1
100-52-7	Benzaldehyde	ND		180	20
56-55-3	Benzo(a)anthracene	120	J	180	3.1
50-32-8	Benzo(a)pyrene	120	J	180	4.4
205-99-2	Benzo(b)fluoranthene	110	J	180	3.5
191-24-2	Benzo(g,h,i)perylene	64	J	180	2.2
207-08-9	Benzo(k)fluoranthene	69	J	180	2.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-10088-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-C5 (5-9)</u>	Lab Sample ID: <u>480-10088-3</u>
Matrix: <u>Solid</u>	Lab File ID: <u>U4507.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/19/2011 08:15</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/22/2011 15:36</u>
Sample wt/vol: <u>+30.64(g)</u>	Date Analyzed: <u>09/23/2011 16:23</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>9.4</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>32612</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		180	11
108-60-1	bis (2-chloroisopropyl) ether	ND		180	19
111-91-1	Bis(2-chloroethoxy)methane	ND		180	9.9
111-44-4	Bis(2-chloroethyl)ether	ND		180	16
117-81-7	Bis(2-ethylhexyl) phthalate	ND		180	59
85-68-7	Butyl benzyl phthalate	ND		180	49
105-60-2	Caprolactam	ND		180	79
86-74-8	Carbazole	36	J	180	2.1
218-01-9	Chrysene	130	J	180	1.8
53-70-3	Dibenz(a,h)anthracene	ND		180	2.1
132-64-9	Dibenzofuran	25	J	180	1.9
84-66-2	Diethyl phthalate	ND		180	5.5
131-11-3	Dimethyl phthalate	ND		180	4.8
84-74-2	Di-n-butyl phthalate	ND		180	63
117-84-0	Di-n-octyl phthalate	ND		180	4.3
206-44-0	Fluoranthene	240		180	2.6
86-73-7	Fluorene	25	J	180	4.2
118-74-1	Hexachlorobenzene	ND		180	9.1
87-68-3	Hexachlorobutadiene	ND		180	9.3
77-47-4	Hexachlorocyclopentadiene	ND		180	55
67-72-1	Hexachloroethane	ND		180	14
193-39-5	Indeno(1,2,3-cd)pyrene	52	J	180	5.0
78-59-1	Isophorone	ND		180	9.1
91-20-3	Naphthalene	20	J	180	3.0
98-95-3	Nitrobenzene	ND		180	8.1
621-64-7	N-Nitrosodi-n-propylamine	ND		180	14
86-30-6	N-Nitrosodiphenylamine	ND		180	10
87-86-5	Pentachlorophenol	ND		360	63
85-01-8	Phenanthrene	270		180	3.8
108-95-2	Phenol	ND		180	19
129-00-0	Pyrene	210		180	1.2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: SB-C5 (5-9) Lab Sample ID: 480-10088-3
Matrix: Solid Lab File ID: U4507.D
Analysis Method: 8270C Date Collected: 09/19/2011 08:15
Extract. Method: 3550B Date Extracted: 09/22/2011 15:36
Sample wt/vol: +30.64(g) Date Analyzed: 09/23/2011 16:23
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 9.4 GPC Cleanup: (Y/N) N
Analysis Batch No.: 32612 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	117		39-146
321-60-8	2-Fluorobiphenyl	85		37-120
367-12-4	2-Fluorophenol	66		18-120
4165-60-0	Nitrobenzene-d5	73		34-132
4165-62-2	Phenol-d5	79		11-120
1718-51-0	p-Terphenyl-d14	108		58-147

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: SB-C5 (5-9) Lab Sample ID: 480-10088-3
Matrix: Solid Lab File ID: U4507.D
Analysis Method: 8270C Date Collected: 09/19/2011 08:15
Extract. Method: 3550B Date Extracted: 09/22/2011 15:36
Sample wt/vol: +30.64(g) Date Analyzed: 09/23/2011 16:23
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 9.4 GPC Cleanup: (Y/N) N
Analysis Batch No.: 32612 Units: ug/Kg
Number TICs Found: 9 TIC Result Total: 3630

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	2.37	260	T J
629-92-5	Nonadecane	13.53	150	T J N
629-99-2	Pentacosane	13.81	310	T J N
630-1-3	Hexacosane	14.08	380	T J N
593-49-7	Heptacosane	14.34	370	T J N
	Unknown	14.60	1100	T J
112-95-8	Eicosane	14.88	540	T J N
	Unknown	15.50	340	T J
	Unknown	15.86	180	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D
 Lims ID: 480-10088-E-3-A Client ID: SB-C5 (5-9)
 Inject. Date: 23-Sep-2011 16:23:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0006193-010
 Misc. Info.: 480-10088-E-3-A
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 11
 Lims Batch ID: 32612 Lims Sample ID: 10
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U-8270.m
 Last Update: 26-Sep-2011 11:33:23 Calib Date: 14-Sep-2011 21:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 26-Sep-2011 09:34:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.774	5.773	0.001	95	112199	40.0	
* 2 Naphthalene-d8	136	7.499	7.499	0.0	99	441531	40.0	
* 3 Acenaphthene-d10	164	9.775	9.775	0.0	97	272442	40.0	
* 4 Phenanthrene-d10	188	11.484	11.479	0.005	96	434605	40.0	
* 5 Chrysene-d12	240	13.953	13.952	0.0	96	423261	40.0	
* 6 Perylene-d12	264	15.224	15.219	0.005	97	480146	40.0	
\$ 9 2-Fluorophenol	112	3.914	3.914	0.0	96	316024	99.6	
\$ 10 Phenol-d5	99	5.325	5.325	0.0	79	454721	118.8	
\$ 11 Nitrobenzene-d5	82	6.543	6.543	0.0	89	299991	72.9	
\$ 12 2-Fluorobiphenyl	172	8.925	8.925	0.0	99	751761	85.4	
\$ 13 2,4,6-Tribromophenol	330	10.731	10.731	0.0	96	228940	176.1	
\$ 14 p-Terphenyl-d14	244	13.023	13.023	0.0	96	1028635	108.2	
88 Benzaldehyde	77		5.148					
89 Phenol	94		5.346					
91 Bis(2-chloroethyl)ether	93		5.410					
93 2-Chlorophenol	128		5.496					
99 2,2'-oxybis[1-chloropropane]	45		6.174					
98 2-Methylphenol	108		6.180					
104 Acetophenone	105		6.340					
101 N-Nitrosodi-n-propylamine	70		6.356					
102 4-Methylphenol	108		6.399					
106 Hexachloroethane	117		6.473					
107 Nitrobenzene	77		6.564					
110 Isophorone	82		6.895					
111 2-Nitrophenol	139		7.002					
112 2,4-Dimethylphenol	107		7.109					
115 Bis(2-chloroethoxy)methane	93		7.205					
117 2,4-Dichlorophenol	162		7.344					
121 Naphthalene	128	7.526	7.531	-0.005	1	6251	0.5588	
123 4-Chloroaniline	127		7.622					
126 Hexachlorobutadiene	225		7.723					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113		8.033					
131 4-Chloro-3-methylphenol	107		8.295					
133 2-Methylnaphthalene	142		8.439					
136 Hexachlorocyclopentadiene	237		8.664					
139 2,4,6-Trichlorophenol	196		8.829					
140 2,4,5-Trichlorophenol	196		8.883					
144 1,1'-Biphenyl	154	9.043	9.048	-0.005	1	1965	0.1885	
143 2-Chloronaphthalene	162		9.064					
145 2-Nitroaniline	65		9.209					
147 Dimethyl phthalate	163		9.454					
148 2,6-Dinitrotoluene	165		9.518					
149 Acenaphthylene	152		9.593					
150 3-Nitroaniline	138		9.737					
151 Acenaphthene	153	9.812	9.818	-0.006	46	4530	0.6199	
152 2,4-Dinitrophenol	184		9.871					
153 4-Nitrophenol	109		10.005					
154 2,4-Dinitrotoluene	165		10.031					
155 Dibenzofuran	168	10.037	10.037	0.0	43	8201	0.7075	
160 Diethyl phthalate	149		10.336					
161 Fluorene	166	10.443	10.448	-0.005	44	6527	0.6875	
162 4-Chlorophenyl phenyl ether	204		10.453					
164 4-Nitroaniline	138		10.491					
166 4,6-Dinitro-2-methylphenol	198		10.528					
167 N-Nitrosodiphenylamine	169		10.592					
176 4-Bromophenyl phenyl ether	248		11.004					
177 Hexachlorobenzene	284		11.089					
180 Atrazine	200		11.196					
181 Pentachlorophenol	266		11.308					
185 Phenanthrene	178	11.506	11.511	-0.005	69	91152	7.50	
188 Anthracene	178	11.559	11.559	0.0	71	18457	1.52	
189 Carbazole	167	11.730	11.735	-0.005	45	10364	1.01	
192 Di-n-butyl phthalate	149		12.083					
197 Fluoranthene	202	12.676	12.681	-0.005	94	89458	6.56	
199 Pyrene	202	12.884	12.889	-0.005	95	72601	5.81	
205 Butyl benzyl phthalate	149		13.445					
208 3,3'-Dichlorobenzidine	252		13.915					
210 Bis(2-ethylhexyl) phthalate	149	13.926	13.931	-0.005	74	10815	1.45	
209 Benzo[a]anthracene	228	13.942	13.947	-0.005	78	42995	3.44	
211 Chrysene	228	13.974	13.979	-0.005	41	42365	3.66	
212 Di-n-octyl phthalate	149		14.455					
213 Benzo[b]fluoranthene	252	14.861	14.871	-0.010	83	46817	3.19	M
214 Benzo[k]fluoranthene	252	14.877	14.893	-0.016	91	28598	1.91	M
217 Benzo[a]pyrene	252	15.165	15.171	-0.006	85	42238	3.46	
220 Dibenz(a,h)anthracene	278		16.335					
219 Indeno[1,2,3-cd]pyrene	276	16.319	16.335	-0.016	76	22696	1.43	
221 Benzo[g,h,i]perylene	276	16.640	16.656	-0.016	79	20964	1.79	

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D
 Lims ID: 480-10088-E-3-A Client ID: SB-C5 (5-9)
 Inject. Date: 23-Sep-2011 16:23:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0006193-010
 Misc. Info.: 480-10088-E-3-A
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 11
 Lims Batch ID: 32612 Lims Sample ID: 10
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U-8270.m
 Last Update: 26-Sep-2011 11:33:23 Calib Date: 14-Sep-2011 21:40:30
 Tic RT Window: 1.500 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\Bufchrom\ChromData\Database\NIST98.L
 Min. Match: 10
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 26-Sep-2011 09:34:59

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
2-Methylantracene	12.024	9117		
Benzo[e]pyrene	15.117	27556		

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
Unknown						
2.365	148951	7.35	1			
629-92-5 Nonadecane						
13.530	138255	4.26	5	96	112380	
629-99-2 Pentacosane						
13.808	280399	8.65	5	98	109666	
630-1-3 Hexacosane						
14.075	344394	10.6	5	91	112412	
593-49-7 Heptacosane						
14.337	330993	10.2	5	97	109643	
Unknown						
14.599	922236	29.8	6			
112-95-8 Eicosane						
14.882	460157	14.9	6	95	112345	
Unknown						
15.502	288073	9.32	6			
Unknown						
15.860	156647	5.07	6			

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	5.774	810249	40.0
* 5 Chrysene-d12	13.953	1297014	40.0
* 6 Perylene-d12	15.224	1236353	40.0

QC Flag Legend

Processing Flags

Report Date: 27-Sep-2011 10:11:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File:

\\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D

Injection Date: 23-Sep-2011 16:23:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 10

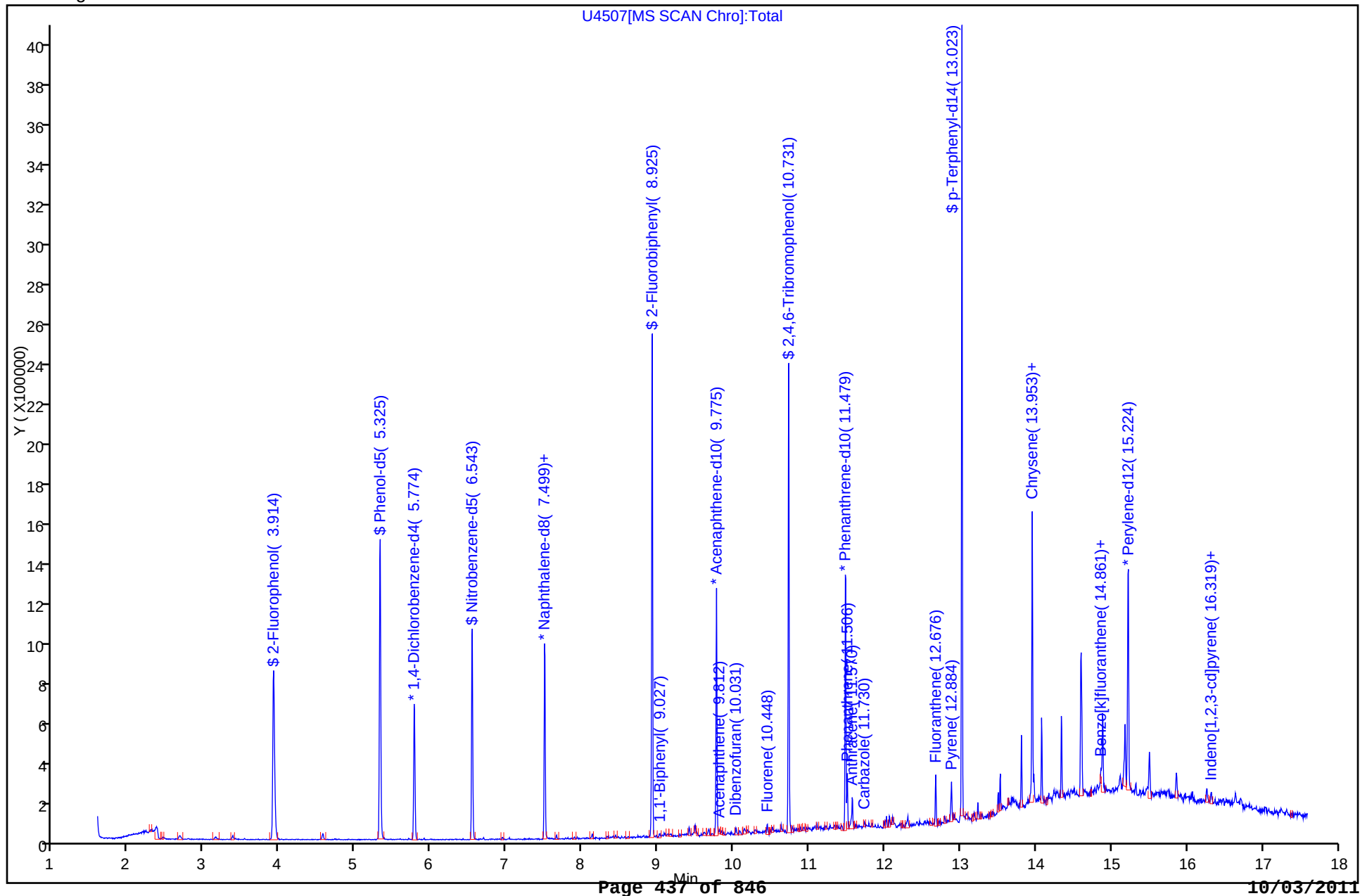
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



Report Date: 27-Sep-2011 10:11:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D

Injection Date: 23-Sep-2011 16:23:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 10

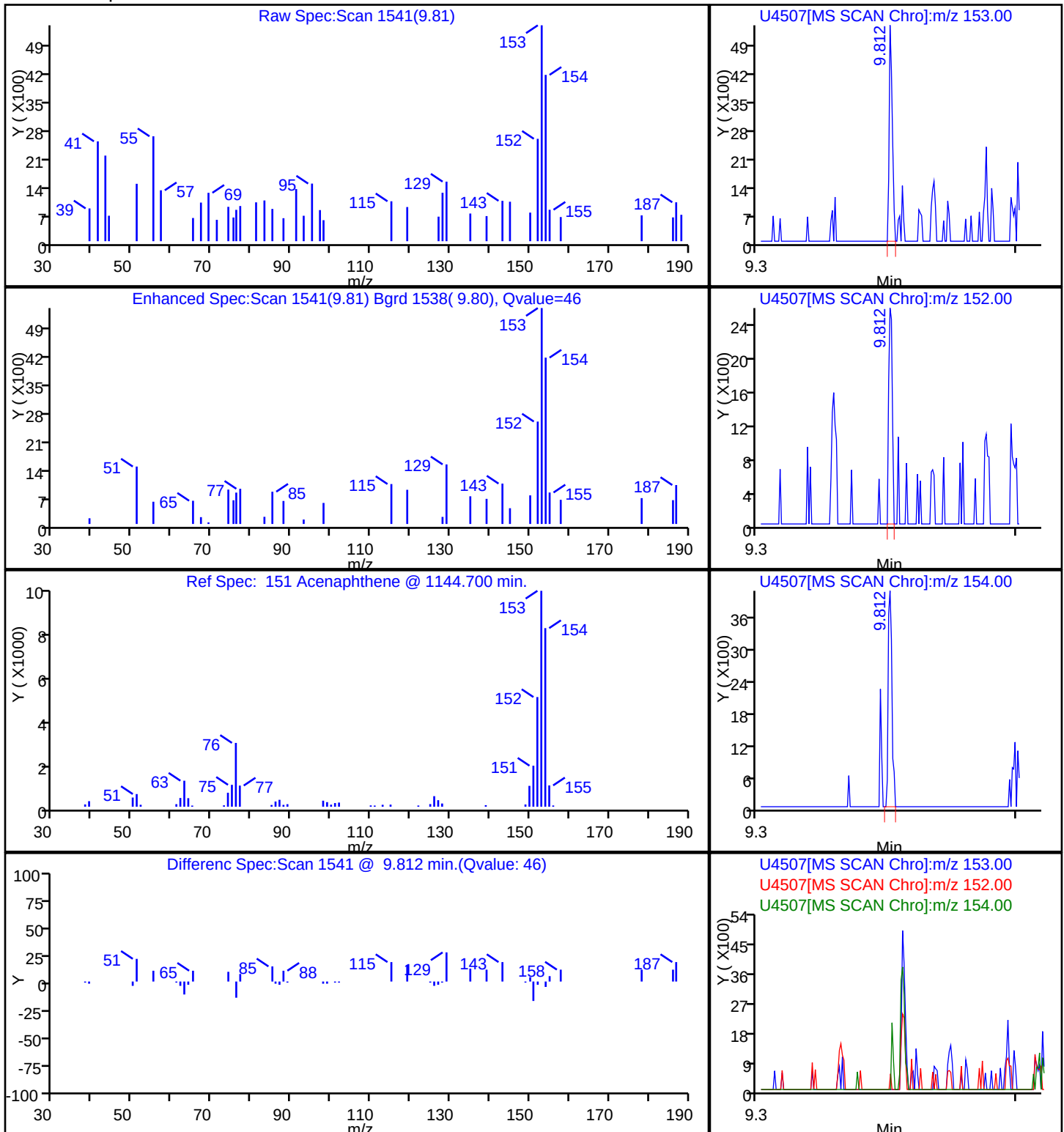
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

151 Acenaphthene



Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D

Injection Date: 23-Sep-2011 16:23:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 10

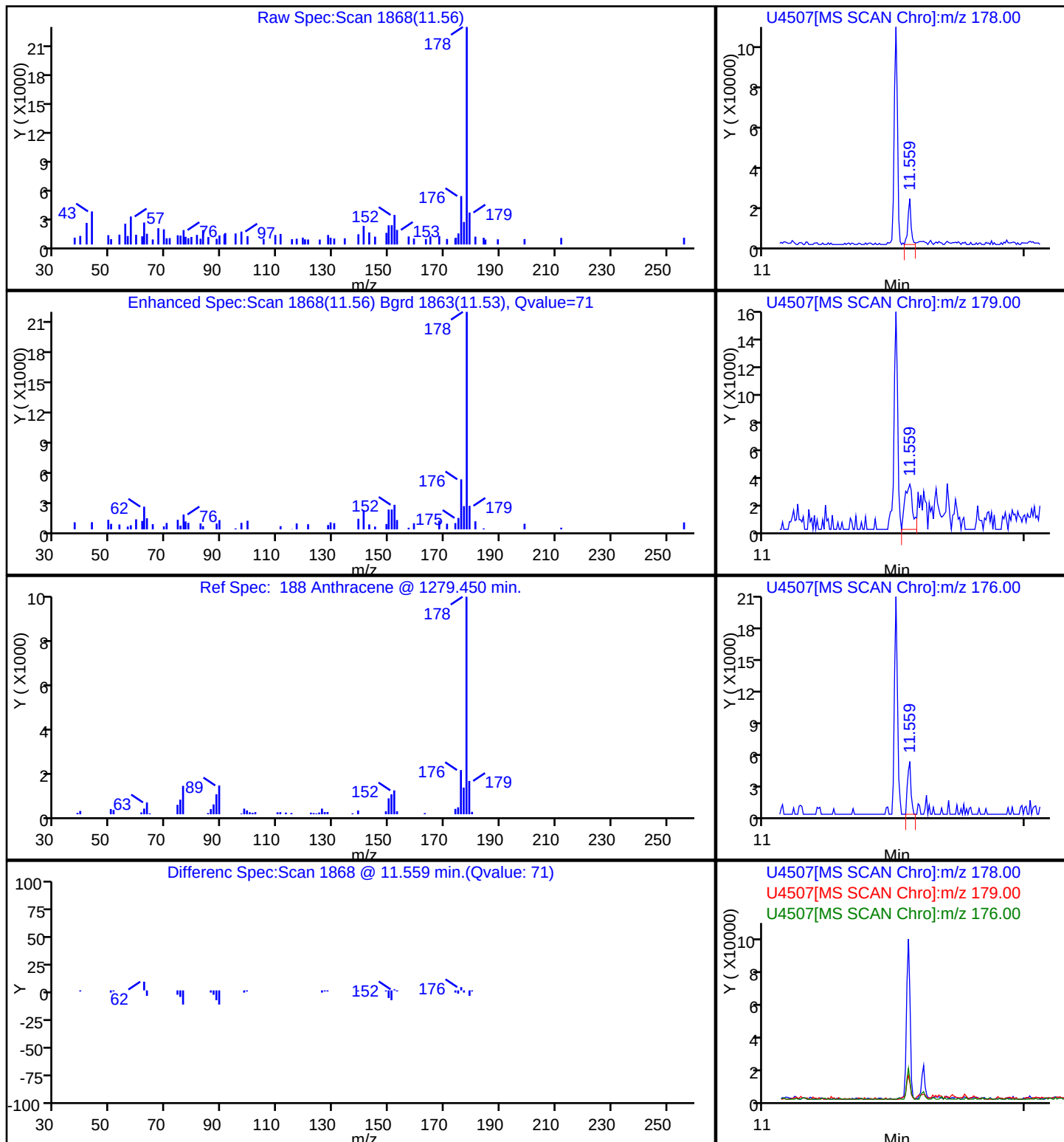
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

188 Anthracene



Report Date: 27-Sep-2011 10:11:02

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D

Injection Date: 23-Sep-2011 16:23:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 10

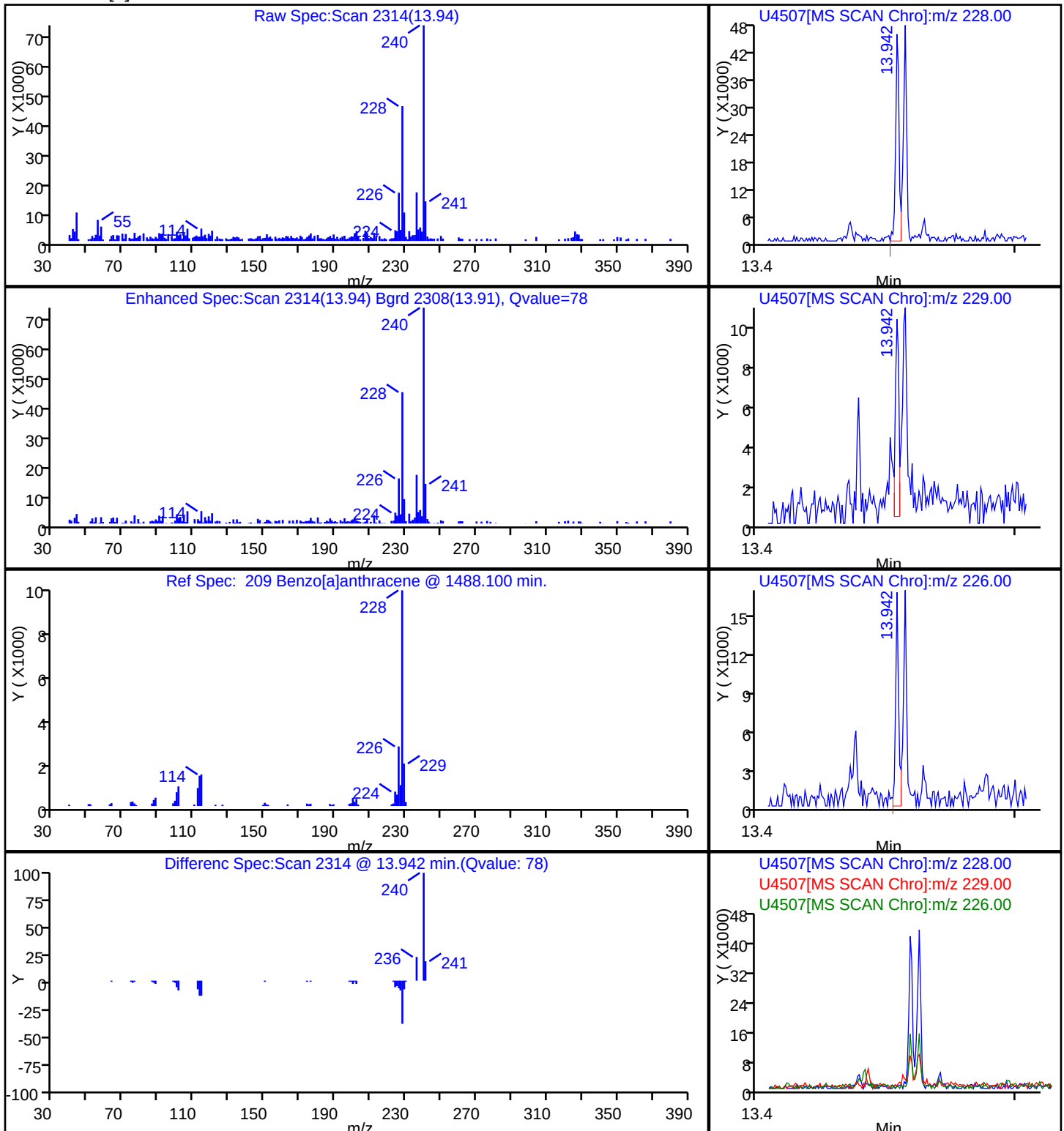
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

209 Benzo[a]anthracene



Report Date: 27-Sep-2011 10:11:02

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D

Injection Date: 23-Sep-2011 16:23:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 10

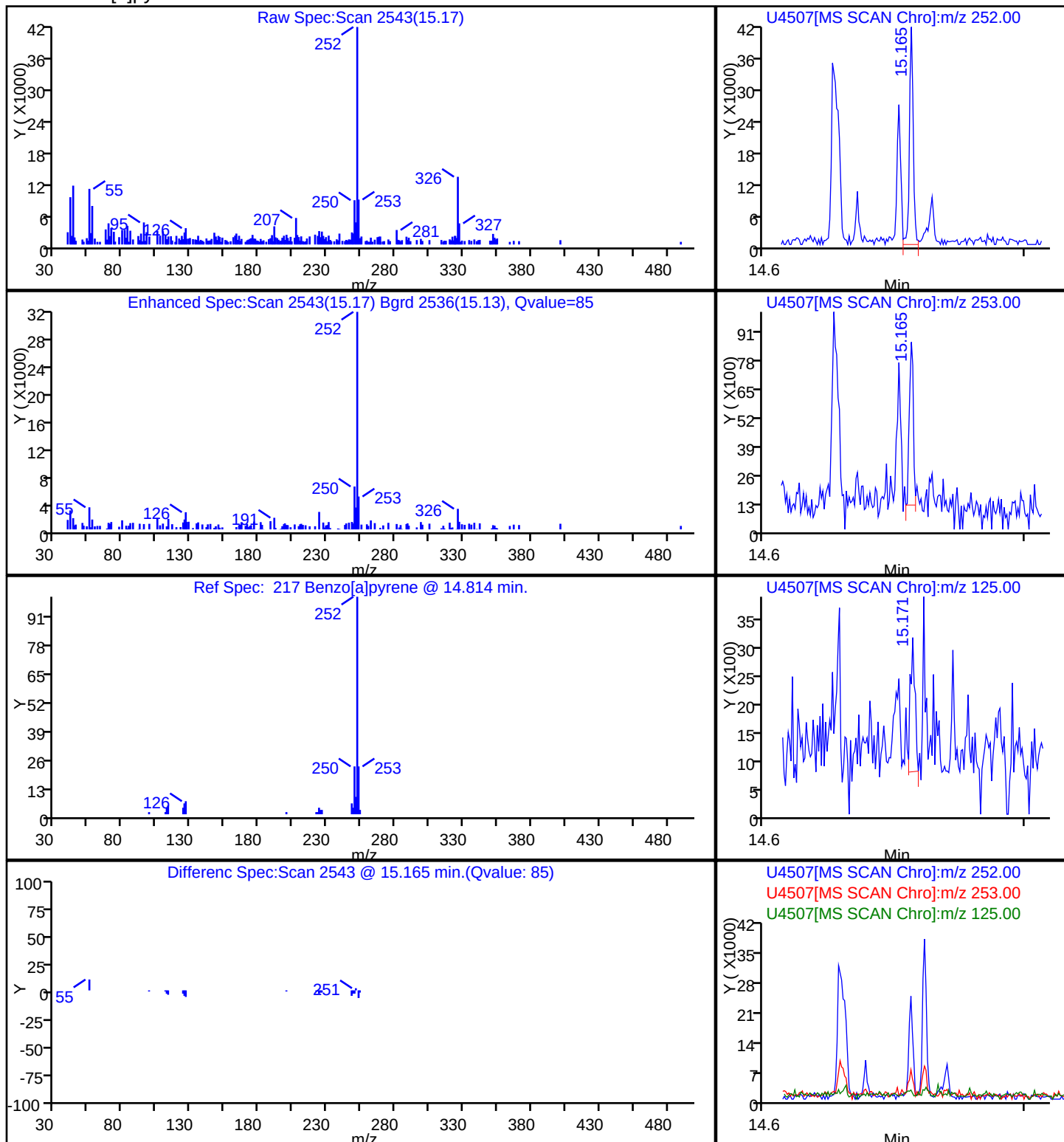
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

217 Benzo[a]pyrene



Report Date: 27-Sep-2011 10:11:02

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D

Injection Date: 23-Sep-2011 16:23:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 10

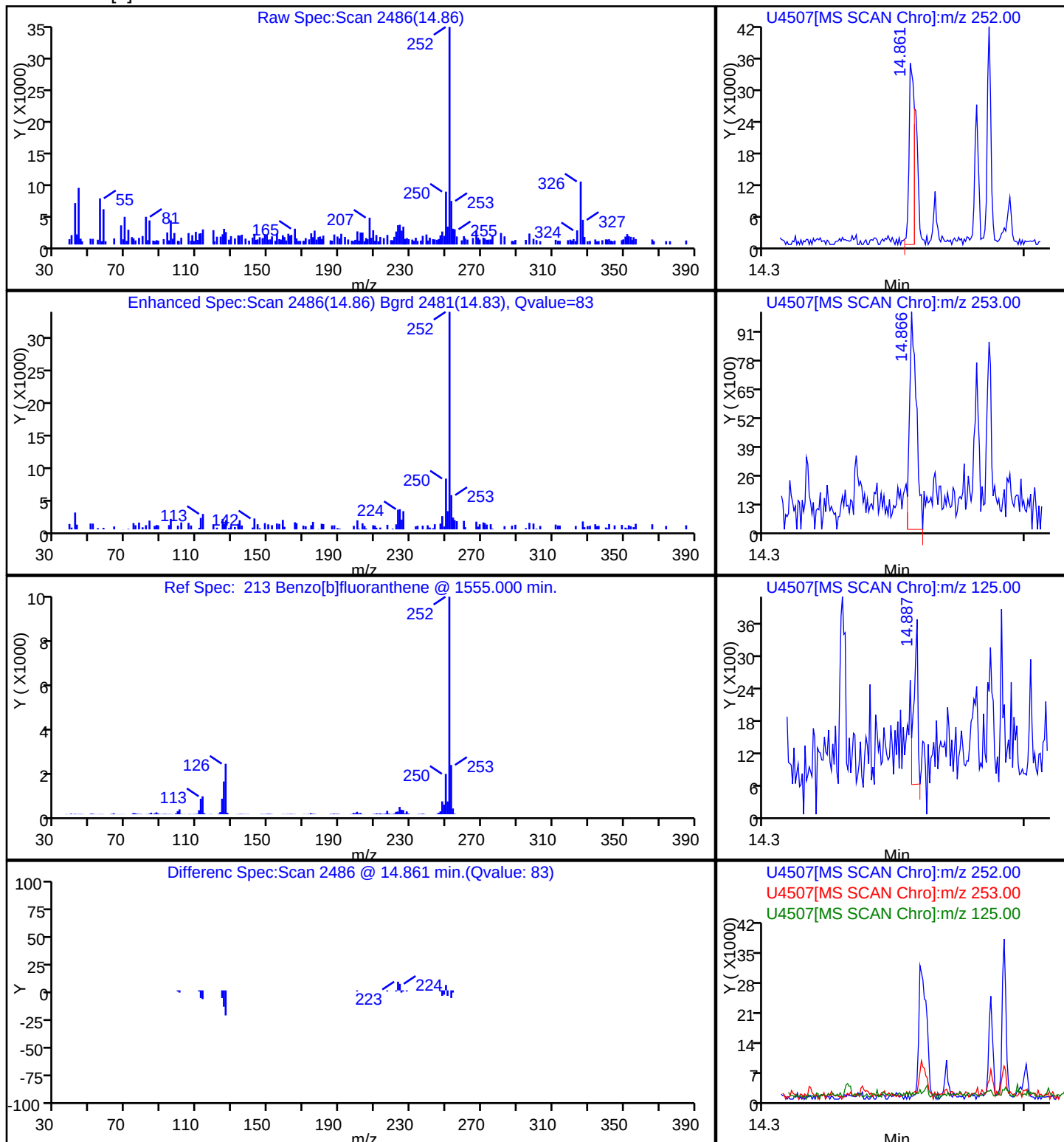
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

213 Benzo[b]fluoranthene



Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D

Injection Date: 23-Sep-2011 16:23:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 10

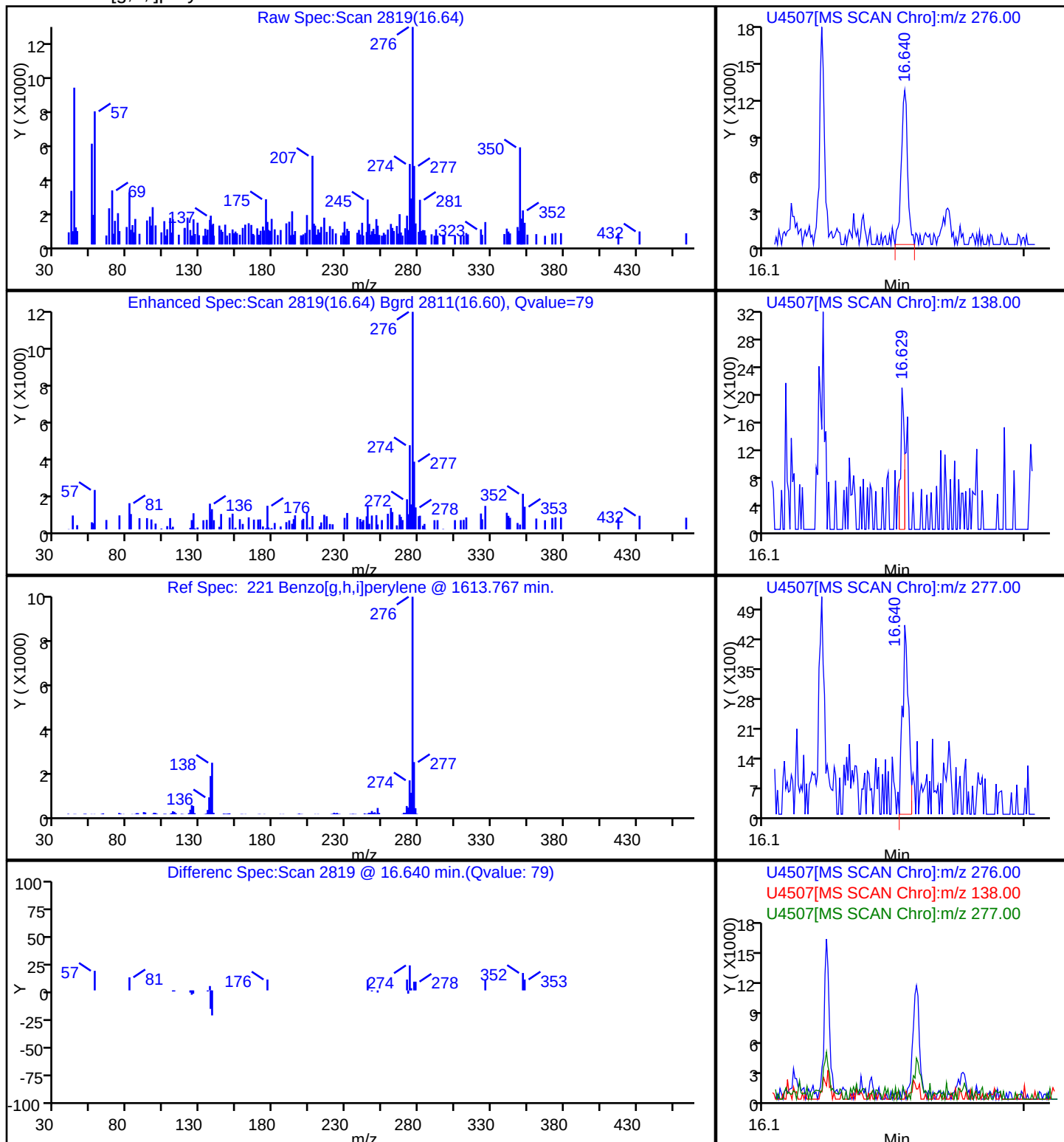
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

221 Benzo[g,h,i]perylene



Report Date: 27-Sep-2011 10:11:02

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D

Injection Date: 23-Sep-2011 16:23:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 10

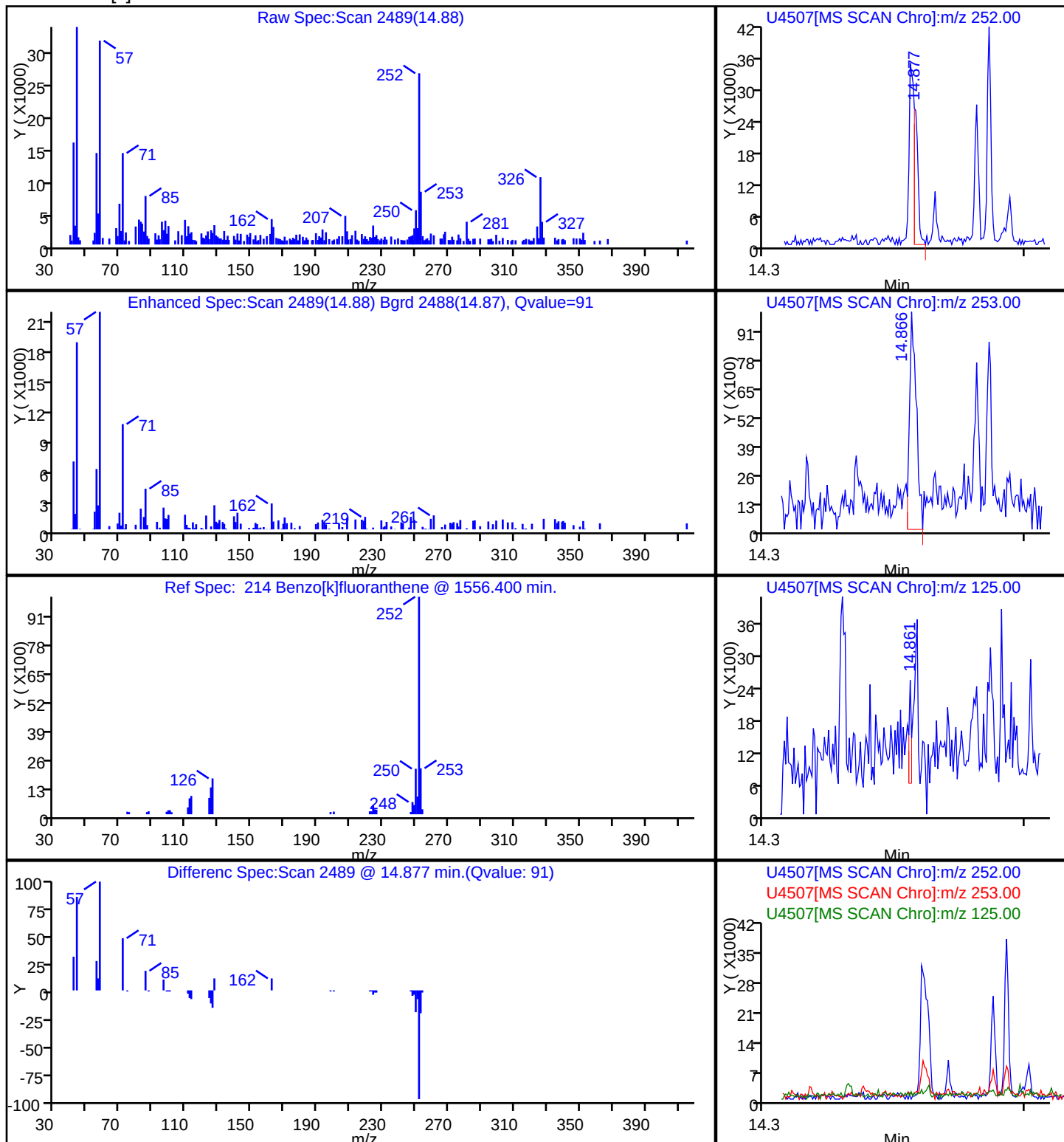
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

214 Benzo[k]fluoranthene



Report Date: 27-Sep-2011 10:11:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D

Injection Date: 23-Sep-2011 16:23:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 10

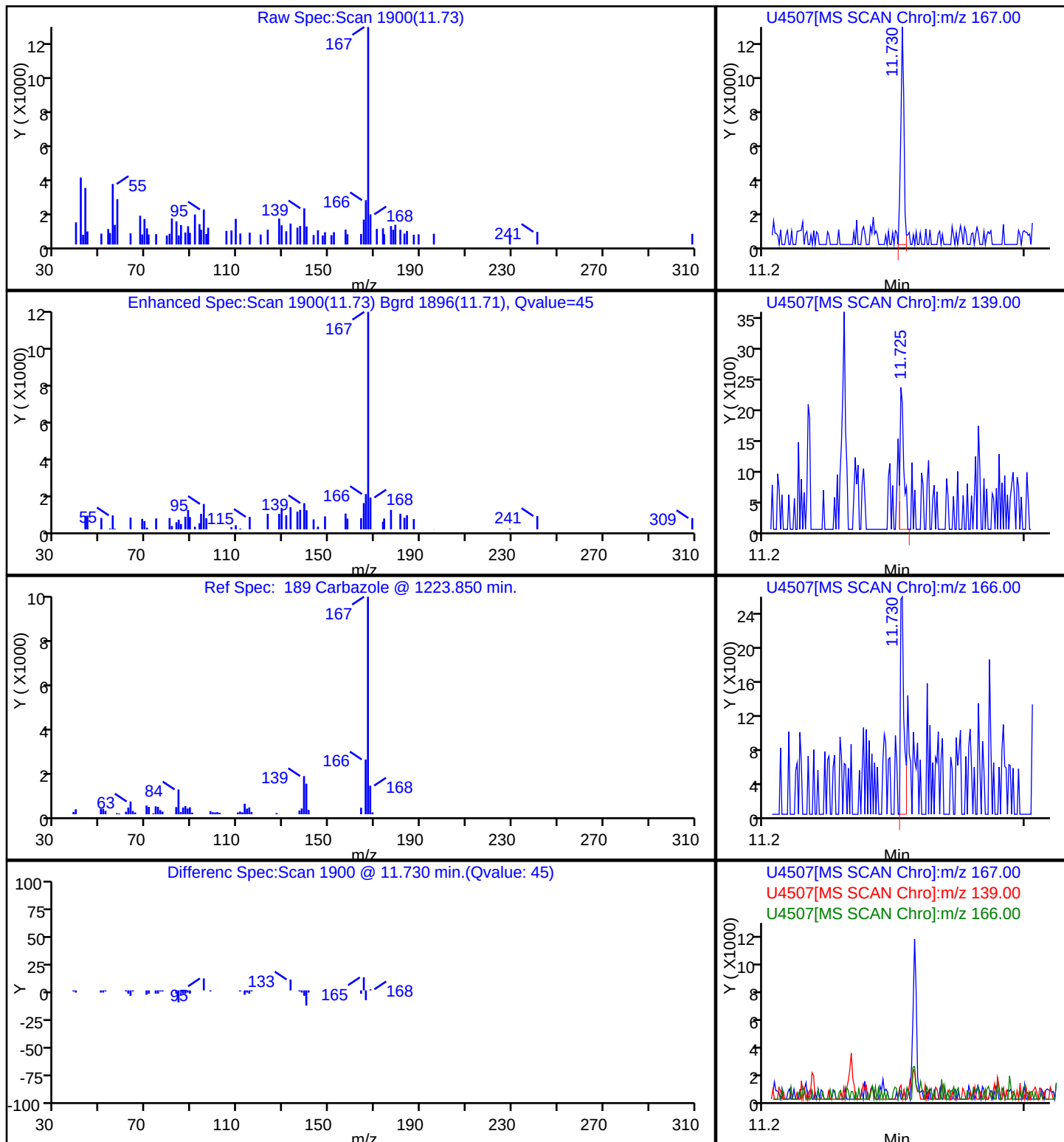
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

189 Carbazole



Report Date: 27-Sep-2011 10:11:02

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D

Injection Date: 23-Sep-2011 16:23:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 10

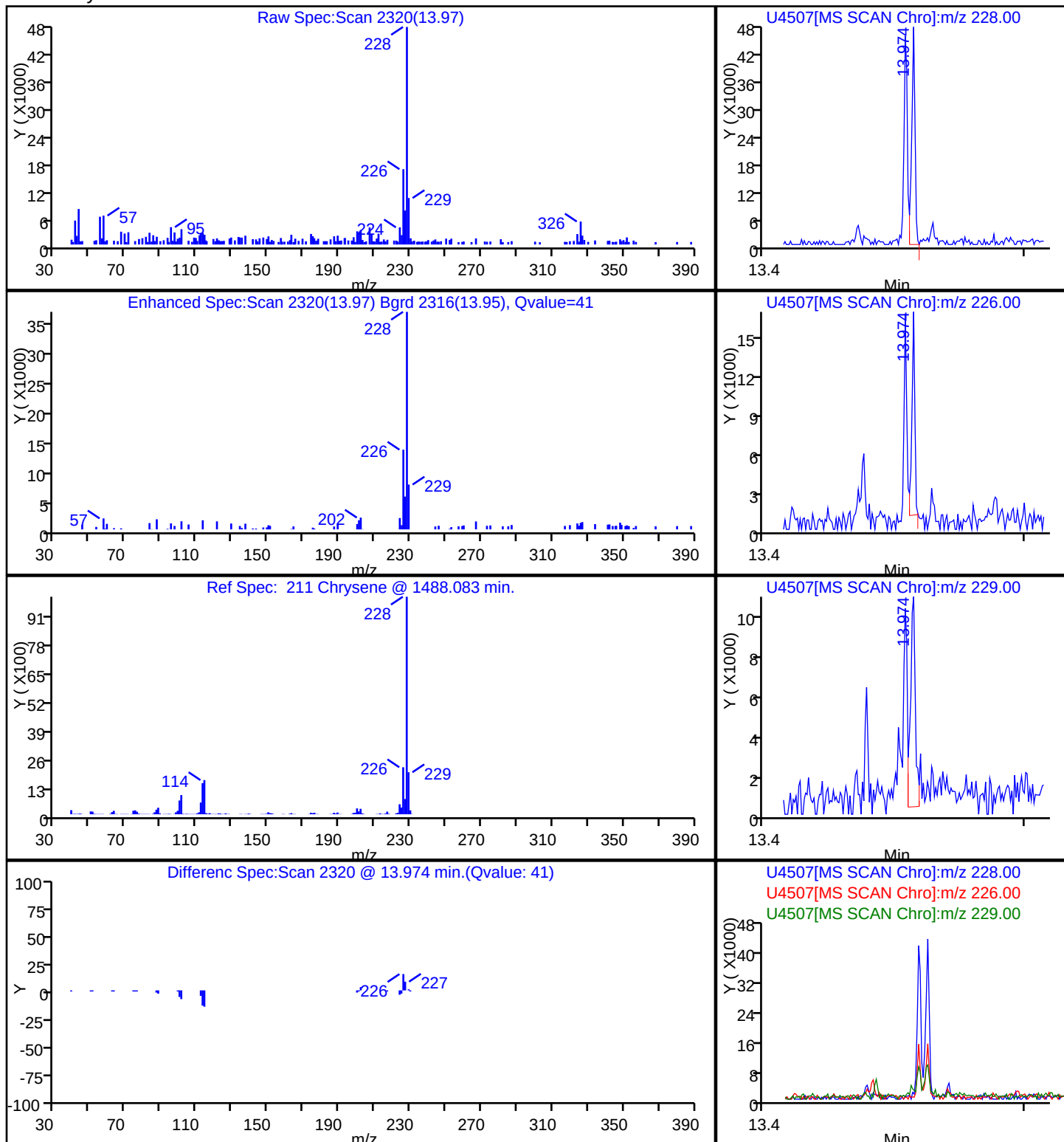
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

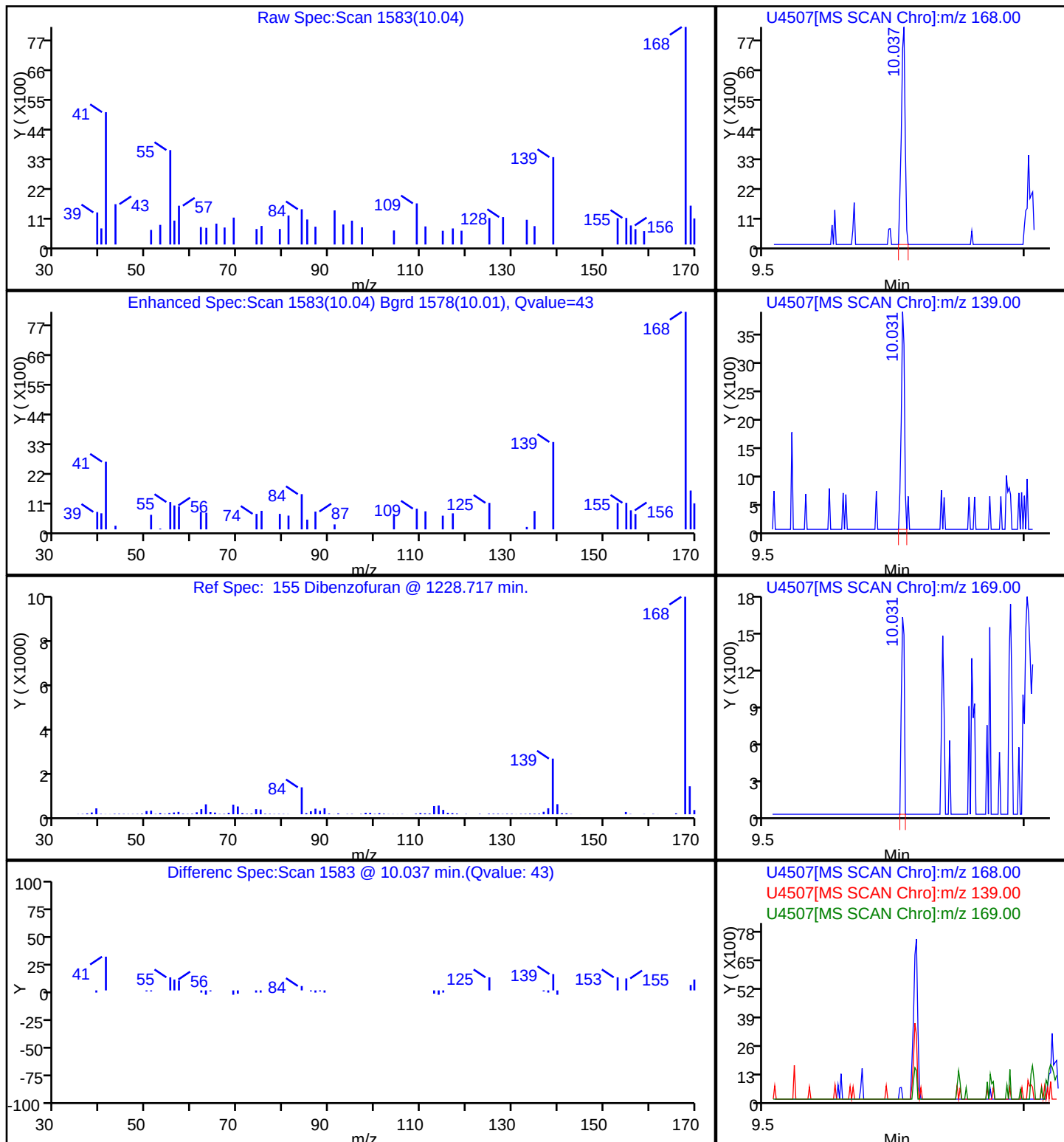
211 Chrysene



Report Date: 27-Sep-2011 10:11:01
Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D
Injection Date: 23-Sep-2011 16:23:30
Client ID: SB-C5 (5-9)
Lims Batch ID: 32612
Operator ID: RMM
Column Type: RXI-5Sil MS

Chrom Revision: 2.0 01-Sep-2011 14:10:00
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973U
Lims Sample ID: 10
Injection Vol: 1.00 ul
Column Dia: 0.25 mm

155 Dibenzofuran



Report Date: 27-Sep-2011 10:11:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D

Injection Date: 23-Sep-2011 16:23:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 10

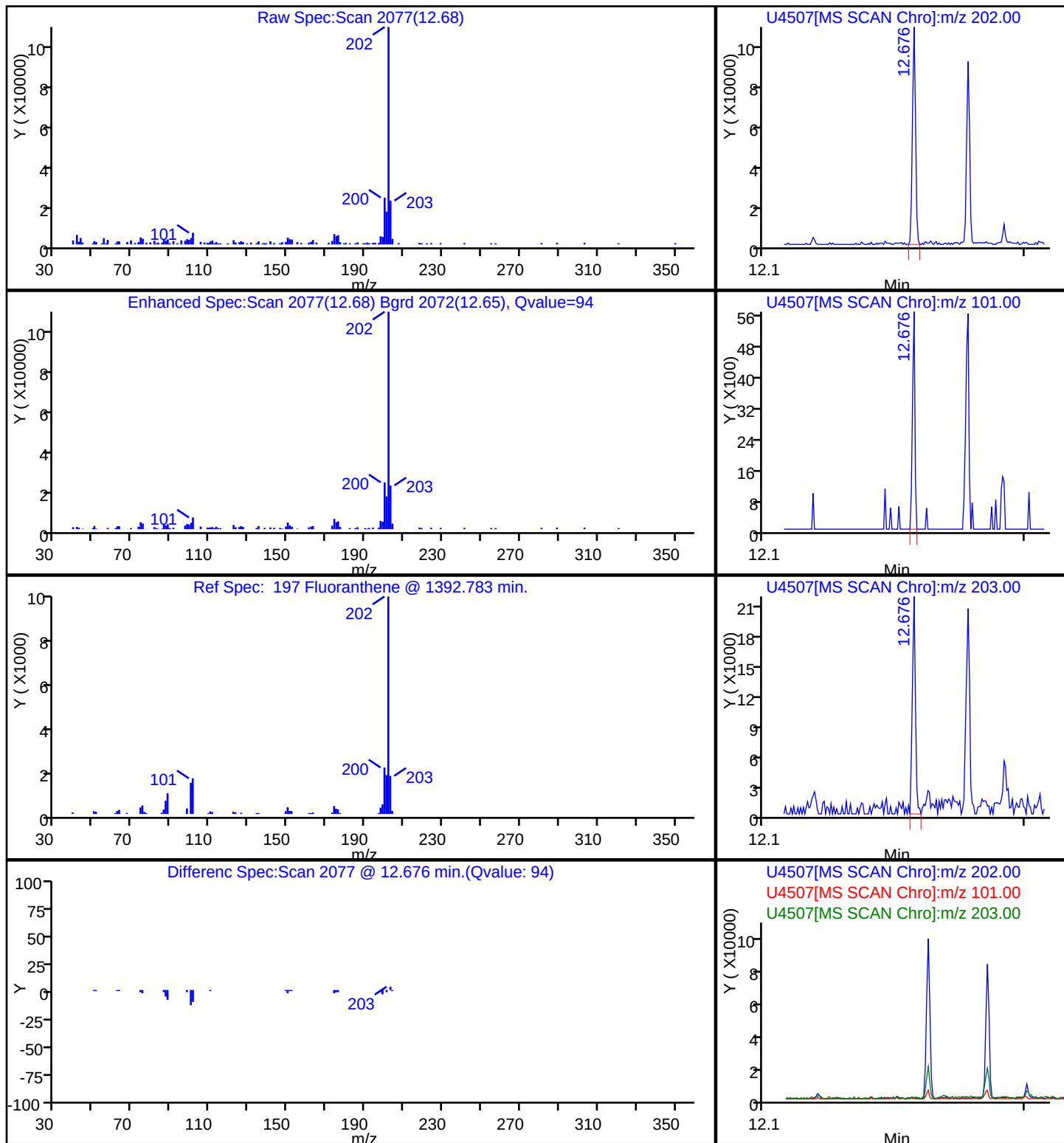
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

197 Fluoranthene



Report Date: 27-Sep-2011 10:11:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D

Injection Date: 23-Sep-2011 16:23:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 10

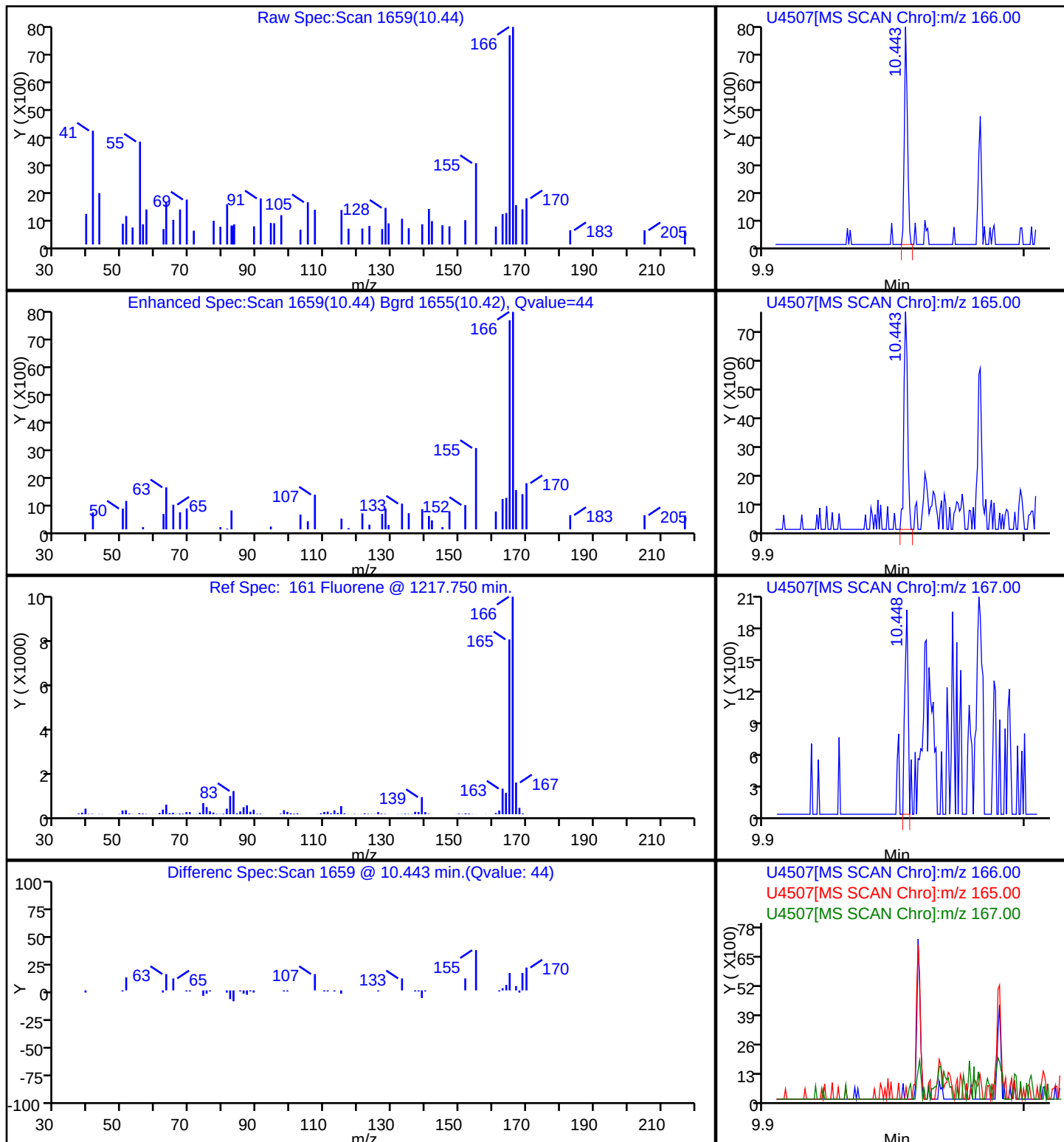
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

161 Fluorene



Report Date: 27-Sep-2011 10:11:02

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D

Injection Date: 23-Sep-2011 16:23:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 10

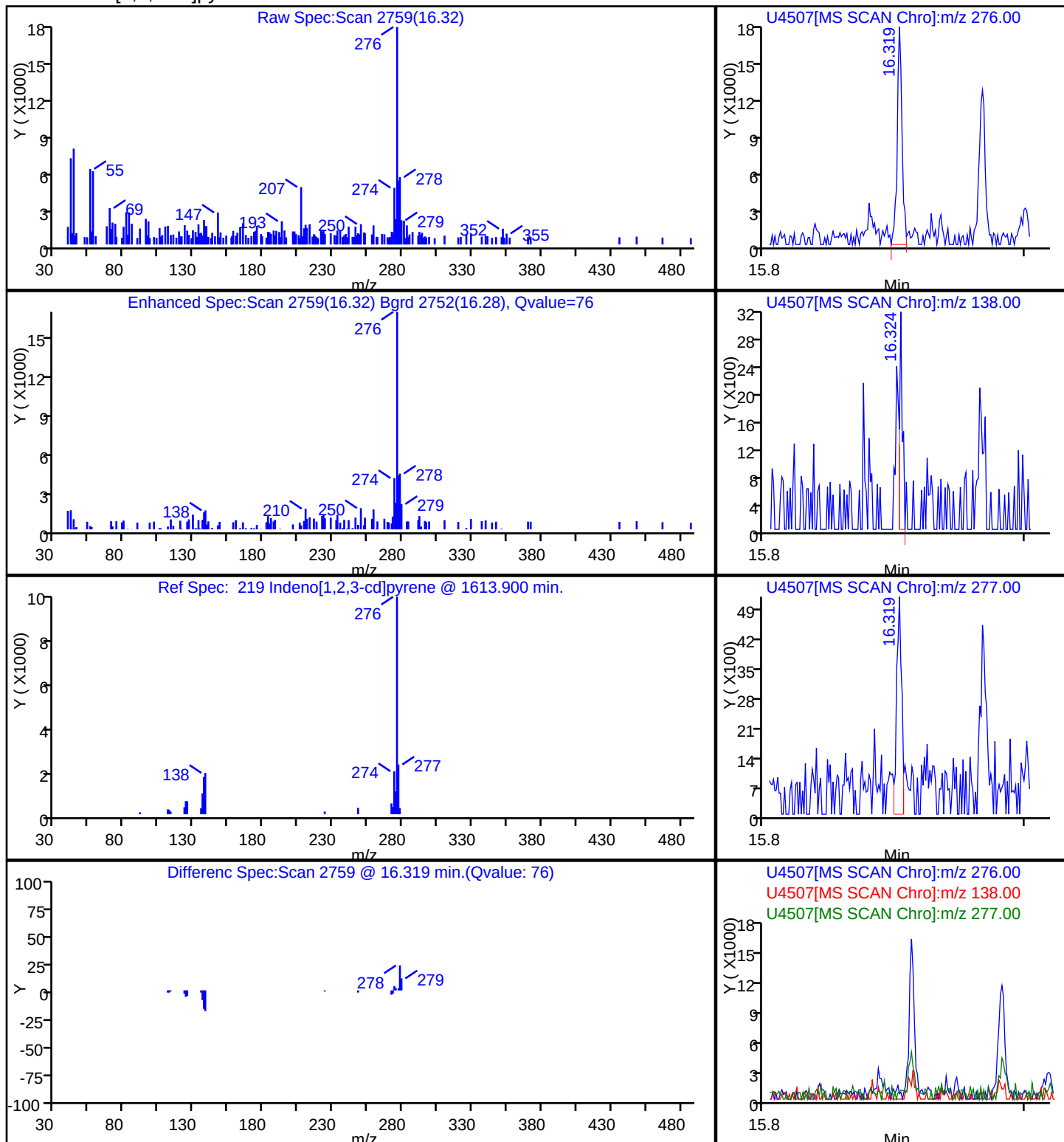
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

219 Indeno[1,2,3-cd]pyrene



Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D

Injection Date: 23-Sep-2011 16:23:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 10

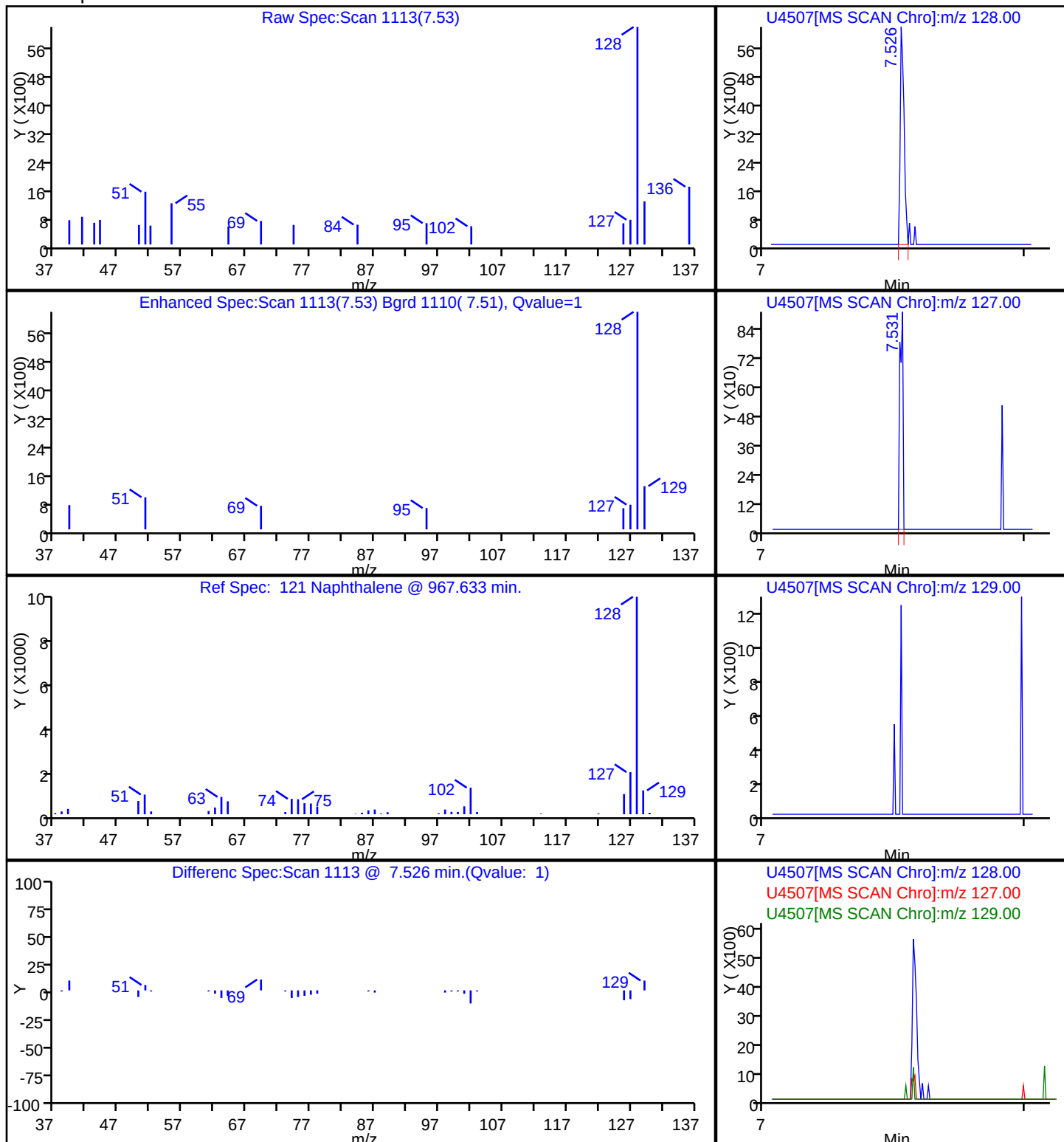
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

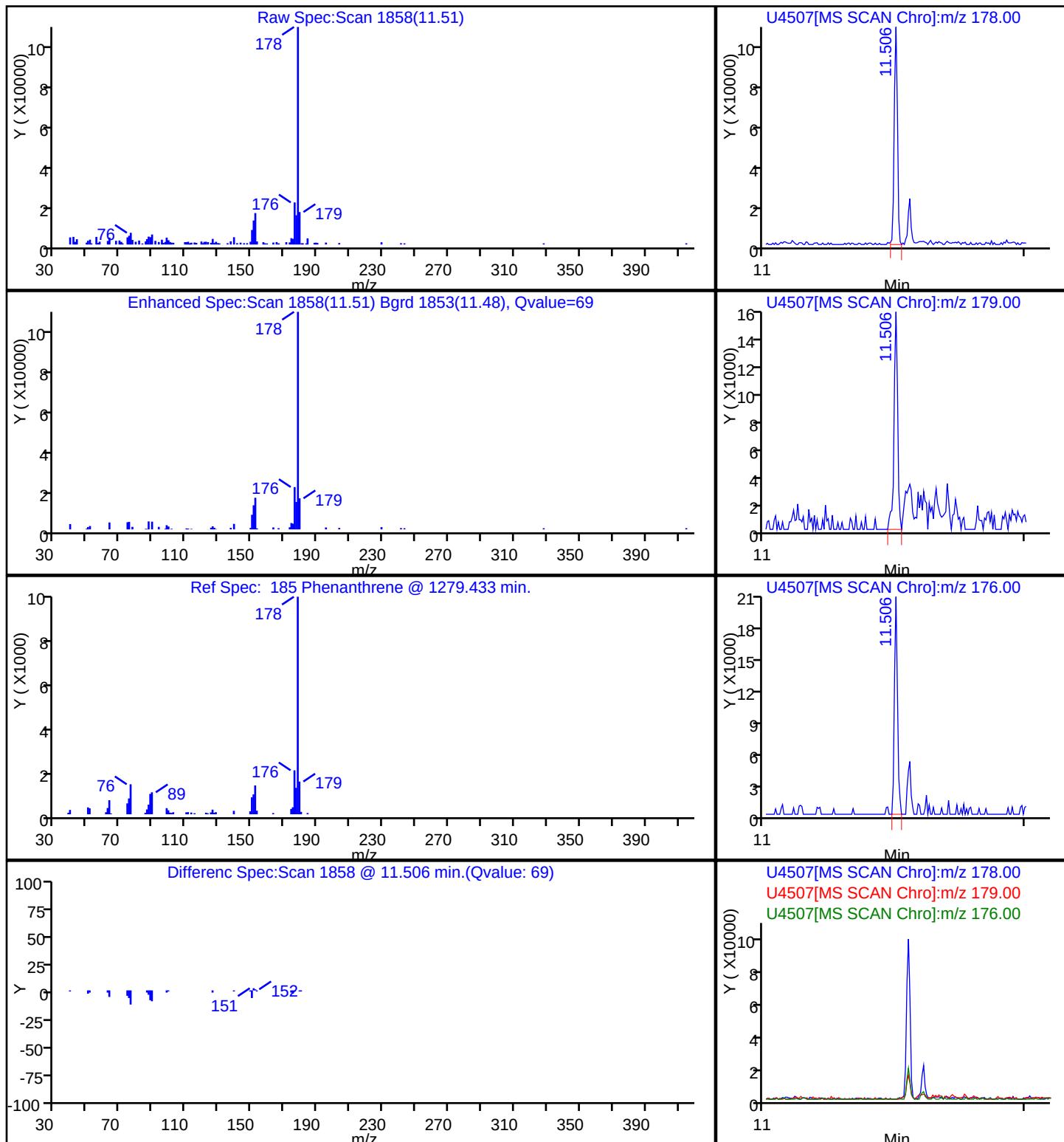
121 Naphthalene



Report Date: 27-Sep-2011 10:11:01
 Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D
 Injection Date: 23-Sep-2011 16:23:30
 Client ID: SB-C5 (5-9)
 Lims Batch ID: 32612
 Operator ID: RMM
 Column Type: RXI-5Sil MS

Chrom Revision: 2.0 01-Sep-2011 14:10:00
 Limit Group: MB - 8270C ICAL
 Instrument ID: HP5973U
 Lims Sample ID: 10
 Injection Vol: 1.00 ul
 Column Dia: 0.25 mm

185 Phenanthrene



Report Date: 27-Sep-2011 10:11:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D

Injection Date: 23-Sep-2011 16:23:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 10

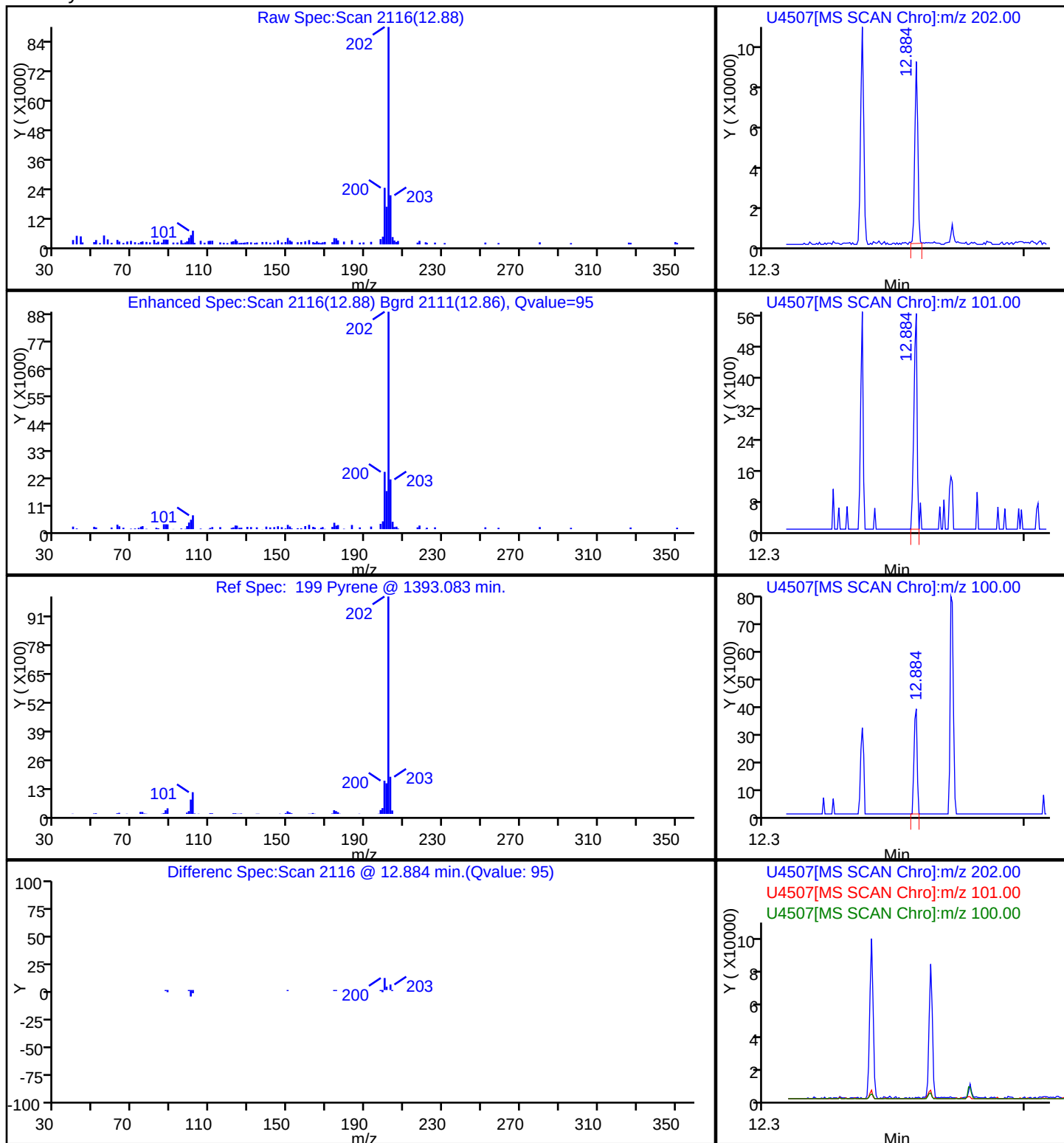
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

199 Pyrene

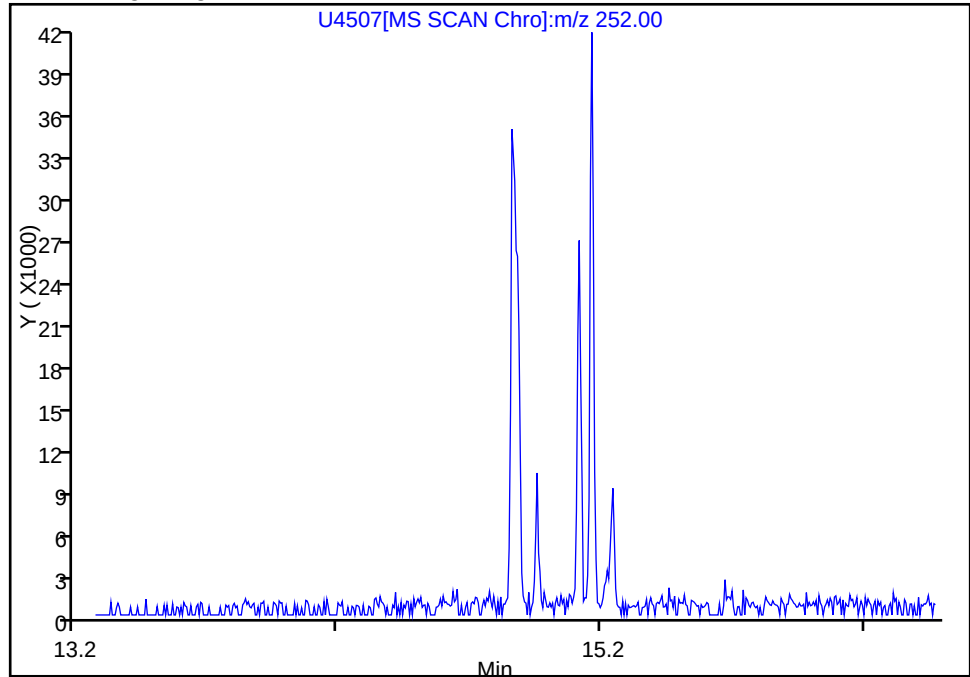


Data File:	\\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D		
Injection Date:	23-Sep-2011 16:23:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-C5 (5-9)	Instrument ID:	HP5973U
Lims Batch ID:	32612	Lims Sample ID:	10
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

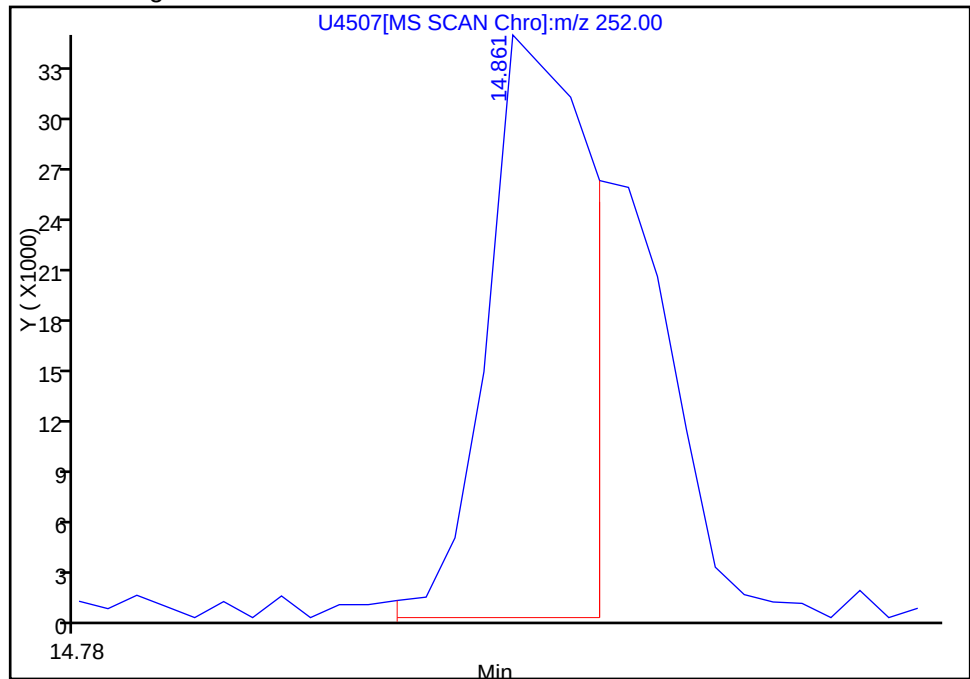
213 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.87

Not Detected
Expected RT: 14.87

Processing Integration Results



Manual Integration Results

RT: 14.86
Response: 46817
Amount: 3.190702

Reviewer: mckernar, 26-Sep-2011 09:34:59

Audit Action: Split an Integrated Peak

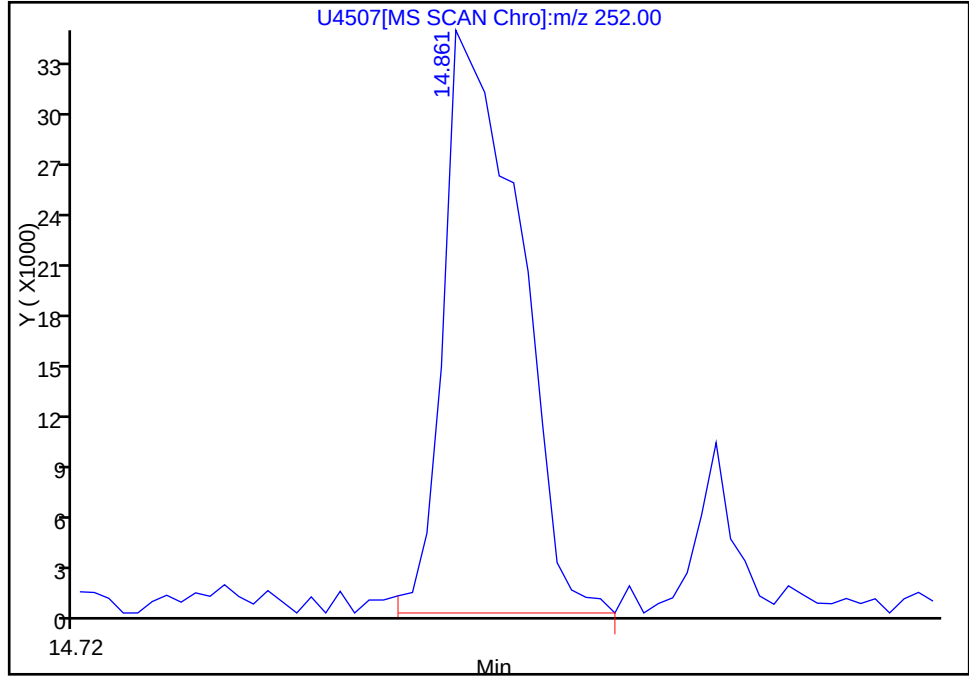
Audit Reason: Coelution

Data File:	\\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D		
Injection Date:	23-Sep-2011 16:23:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-C5 (5-9)	Instrument ID:	HP5973U
Lims Batch ID:	32612	Lims Sample ID:	10
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.89

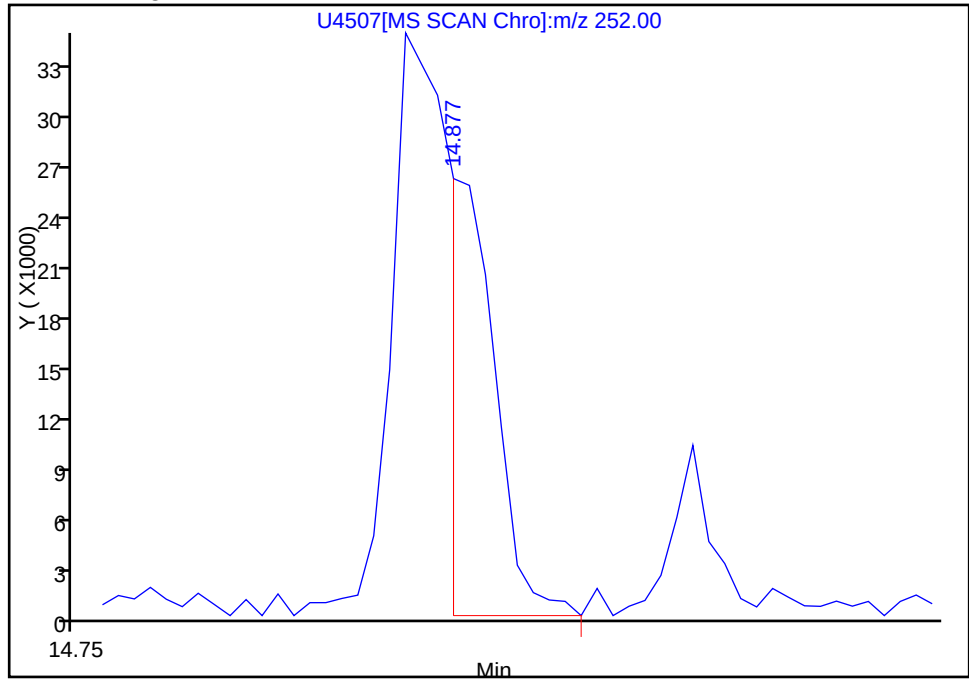
Processing Integration Results

RT: 14.86
Response: 67078
Amount: 4.482558



Manual Integration Results

RT: 14.88
Response: 28598
Amount: 1.911091



Reviewer: mckernar, 26-Sep-2011 09:34:59

Audit Action: Split an Integrated Peak

Audit Reason: Coelution

Report Date: 27-Sep-2011 10:11:02

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D

Injection Date: 23-Sep-2011 16:23:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 10

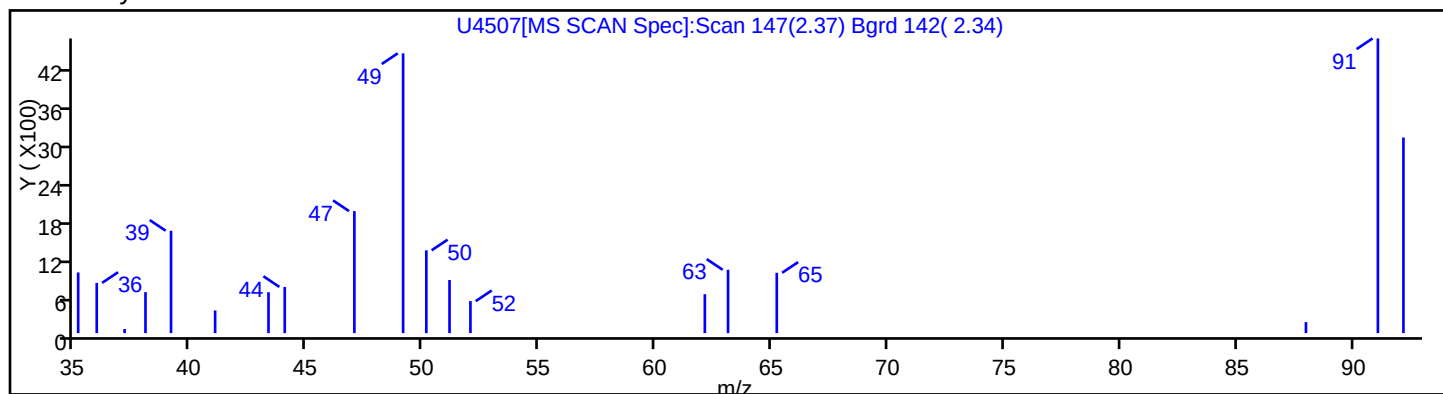
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 10



Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D

Injection Date: 23-Sep-2011 16:23:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 10

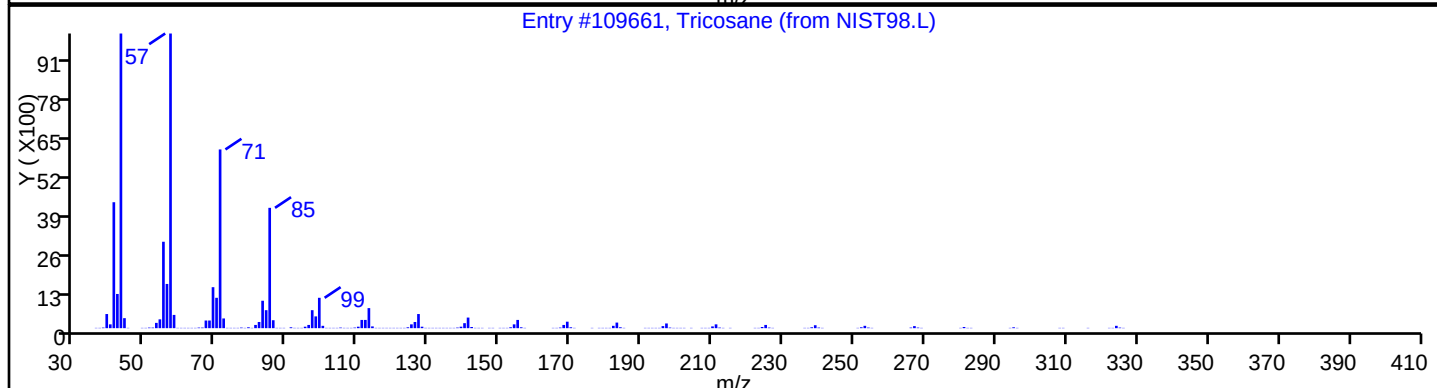
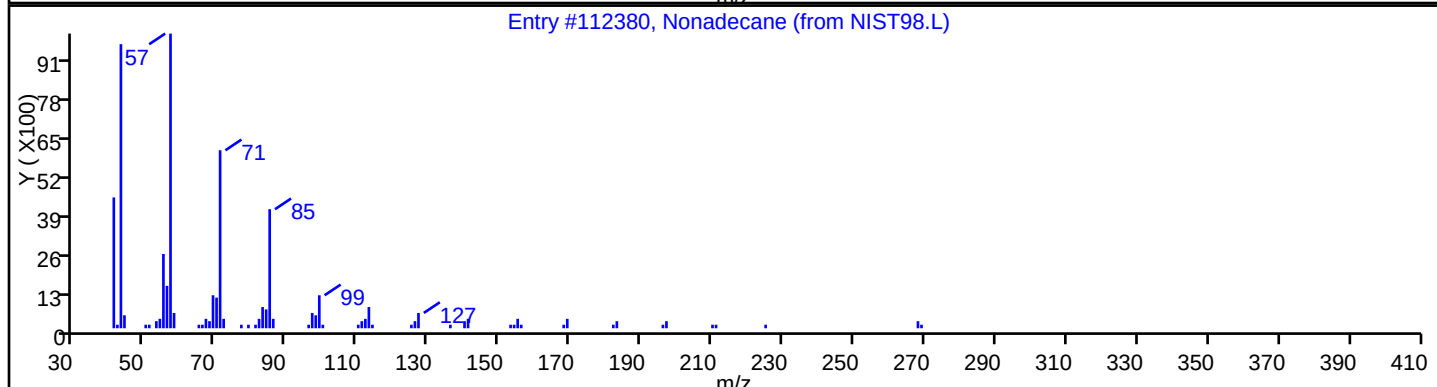
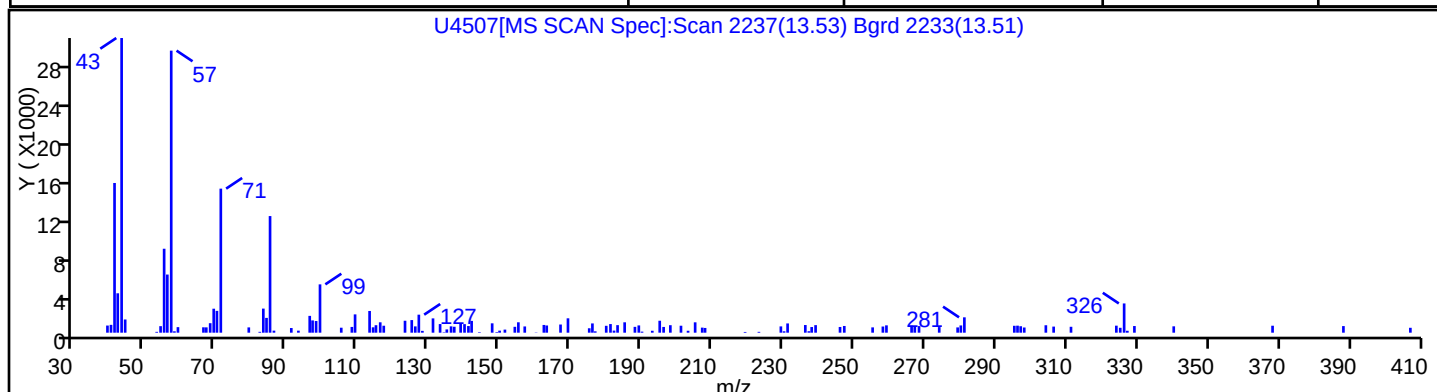
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Nonadecane	629-92-5	NIST98.L	112380	96
Tricosane	638-67-5	NIST98.L	109661	89



Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D

Injection Date: 23-Sep-2011 16:23:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 10

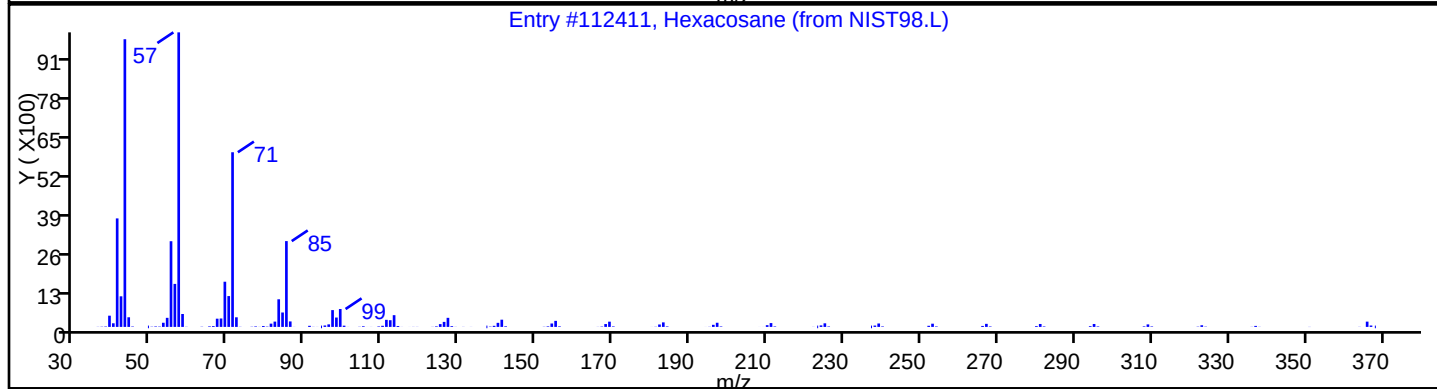
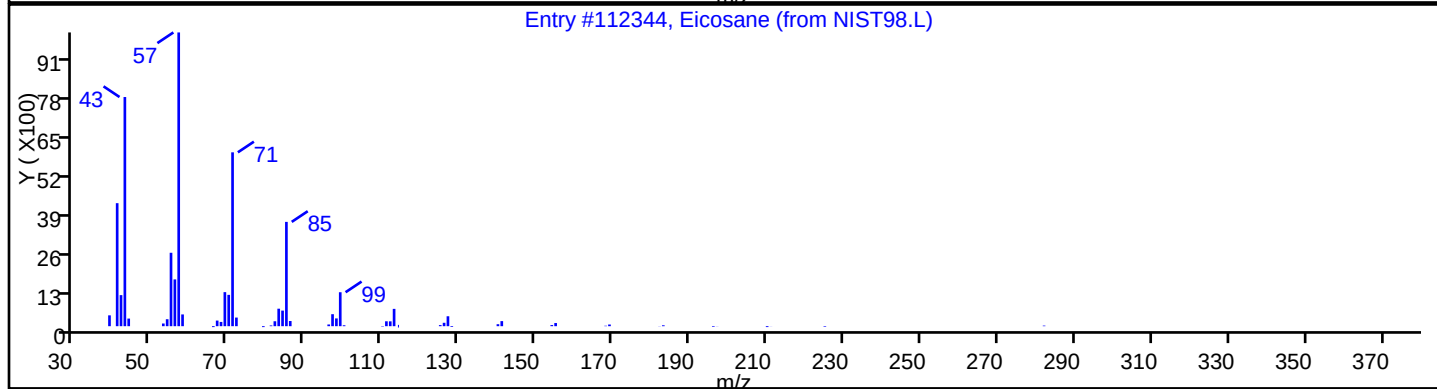
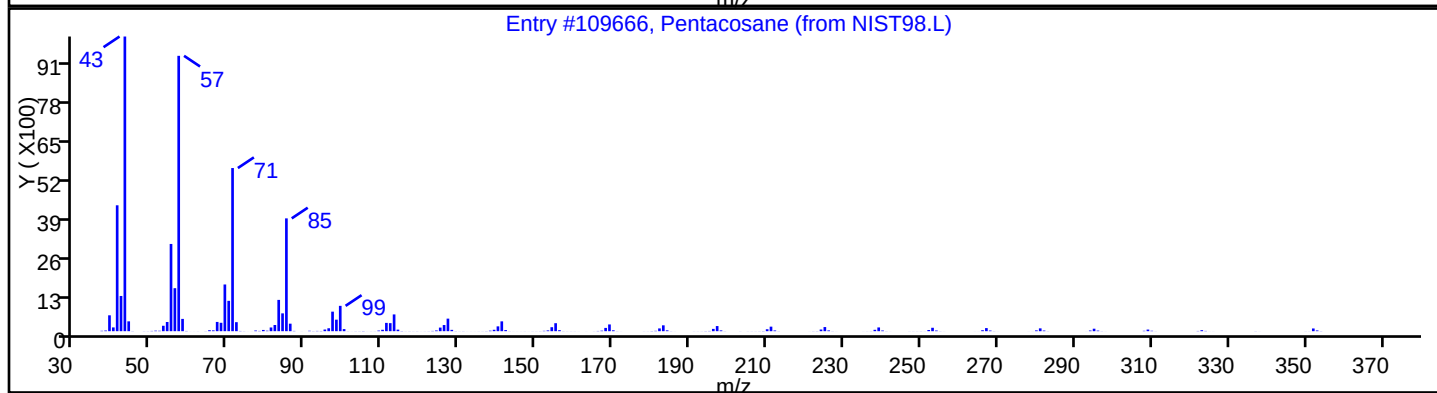
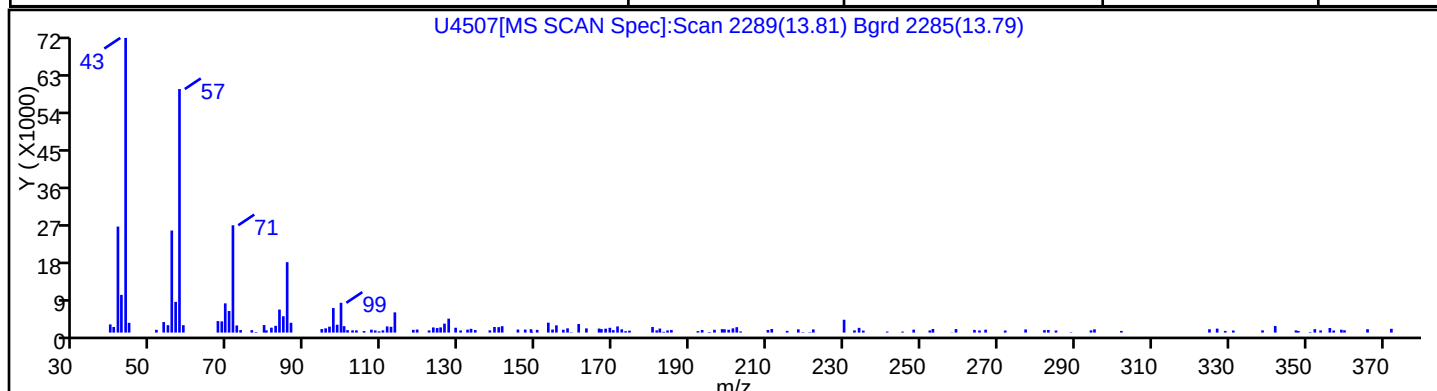
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Pentacosane	629-99-2	NIST98.L	109666	98
Eicosane	112-95-8	NIST98.L	112344	96
Hexacosane	630-1-3	NIST98.L	112411	95



Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D

Injection Date: 23-Sep-2011 16:23:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 10

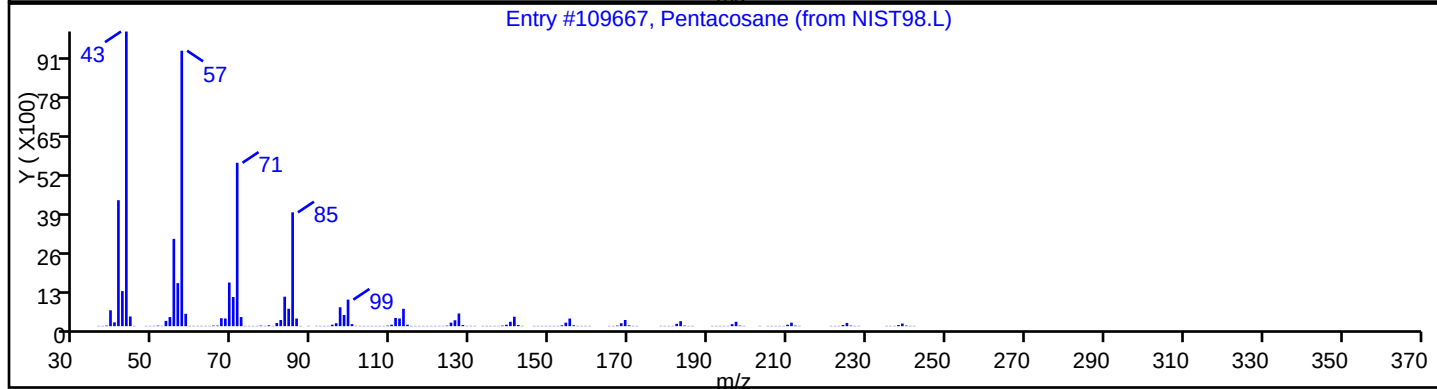
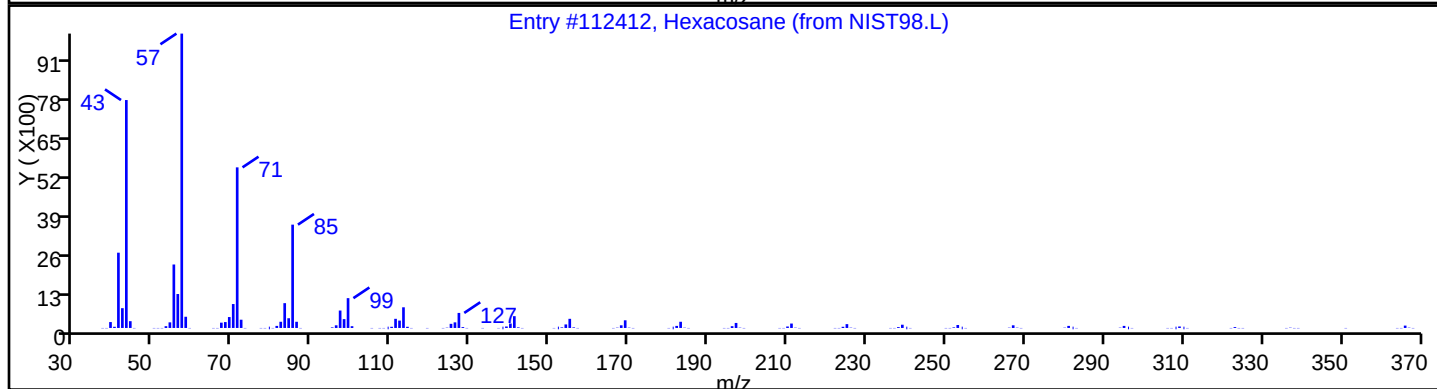
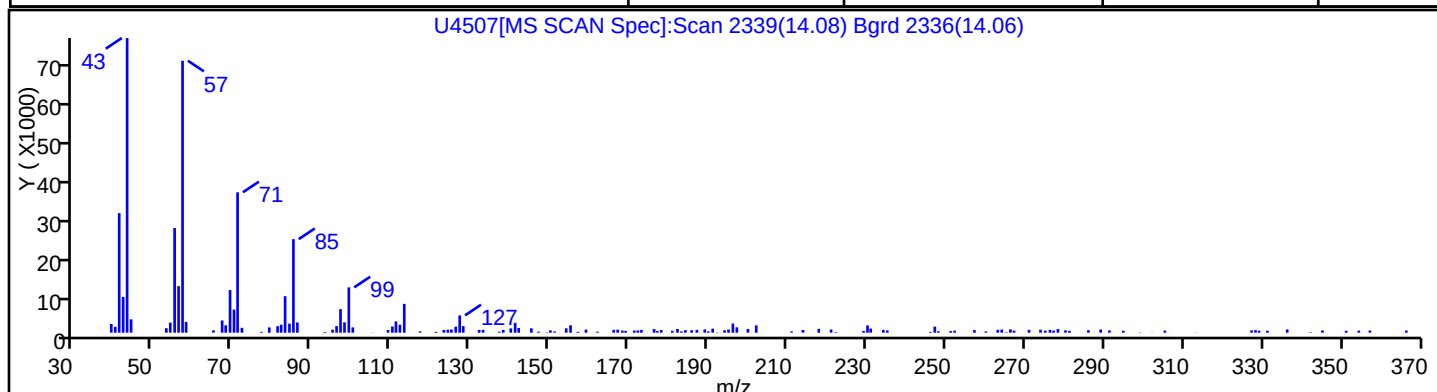
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexacosane	630-1-3	NIST98.L	112412	91
Pentacosane	629-99-2	NIST98.L	109667	87



Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D

Injection Date: 23-Sep-2011 16:23:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 10

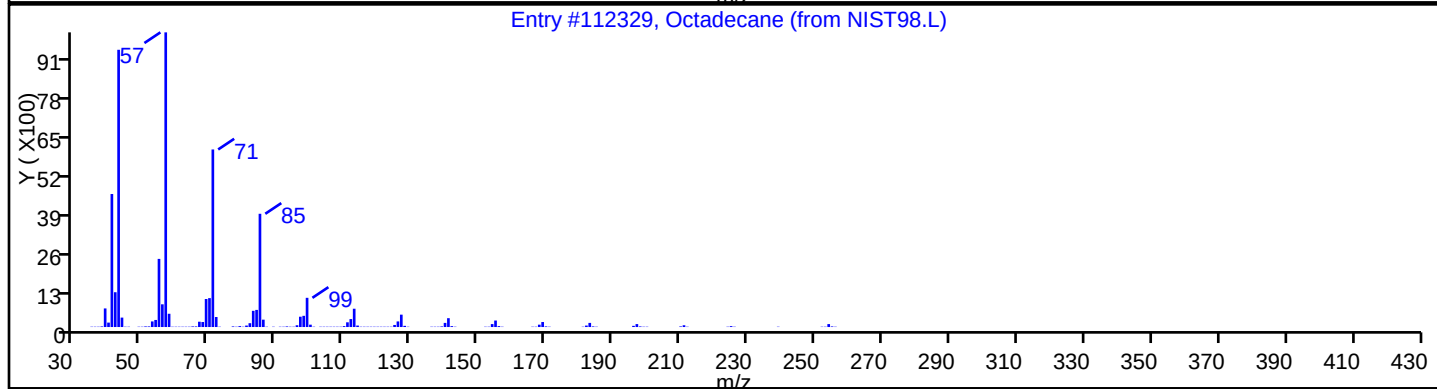
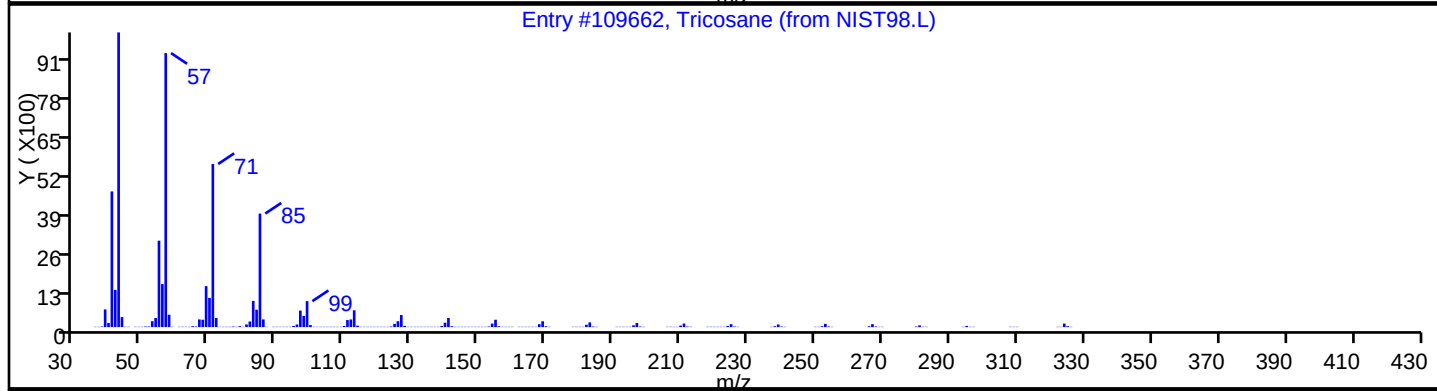
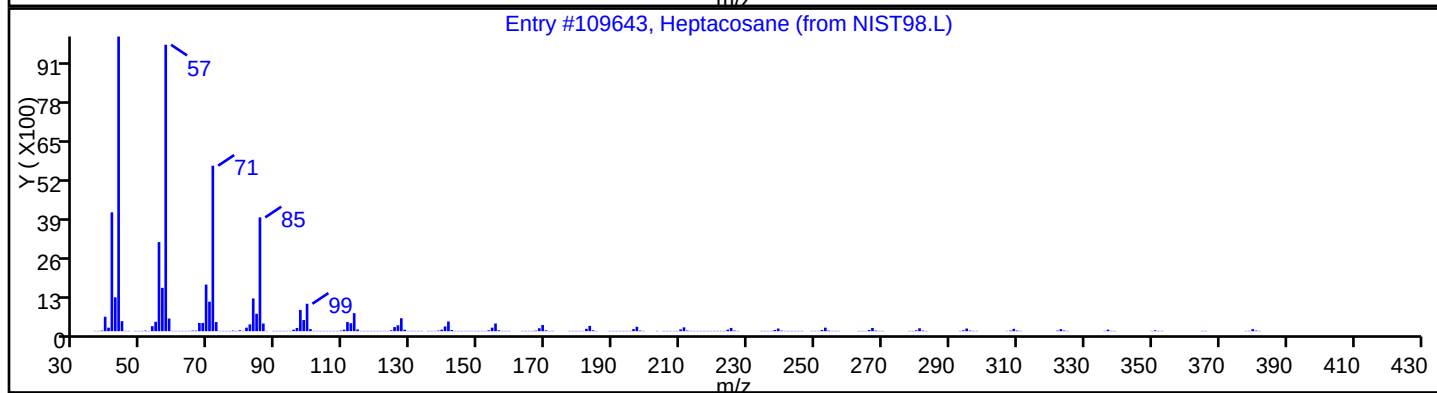
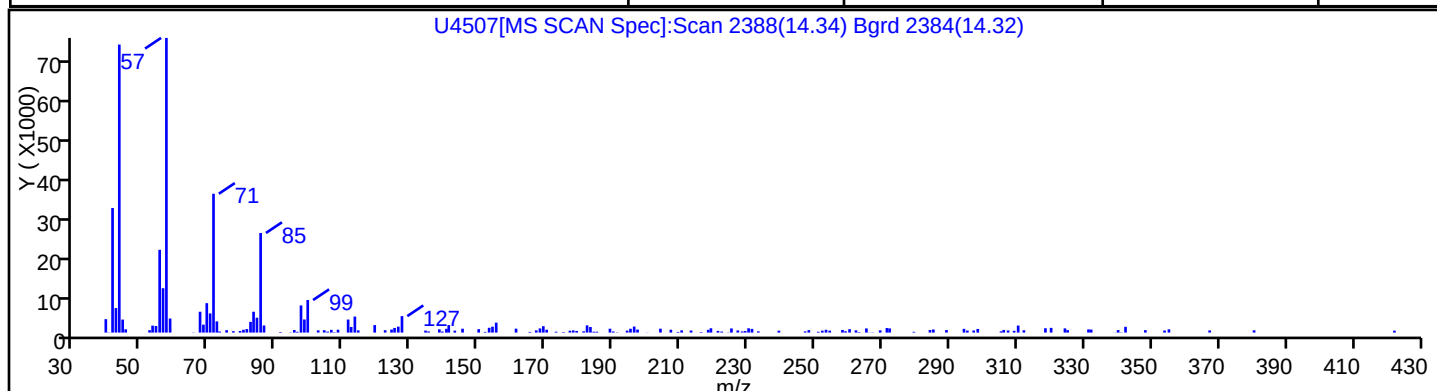
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptacosane	593-49-7	NIST98.L	109643	97
Tricosane	638-67-5	NIST98.L	109662	97
Octadecane	593-45-3	NIST98.L	112329	95



Report Date: 27-Sep-2011 10:11:02

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D

Injection Date: 23-Sep-2011 16:23:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 10

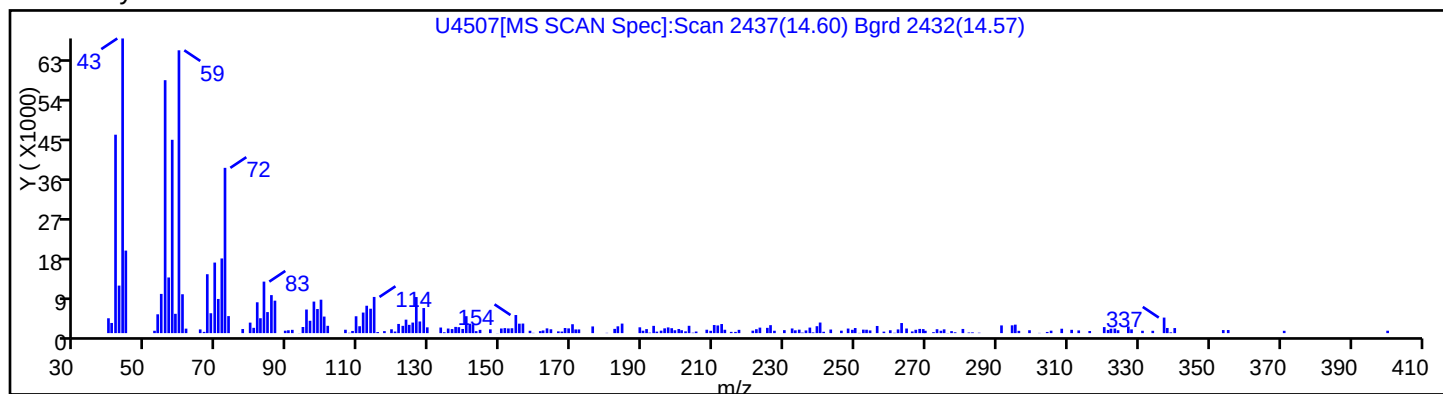
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 10



Report Date: 27-Sep-2011 10:11:02

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File:

\\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D

Injection Date: 23-Sep-2011 16:23:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 10

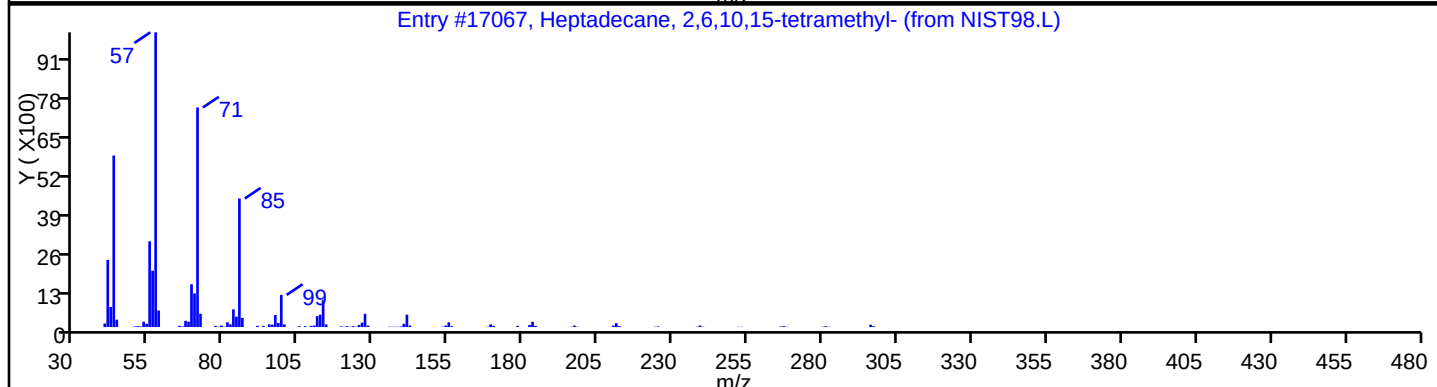
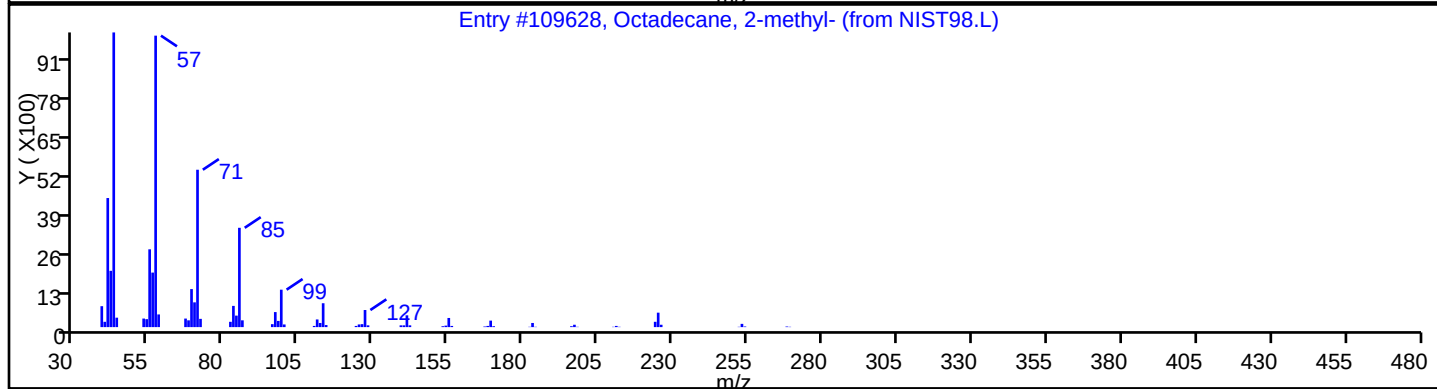
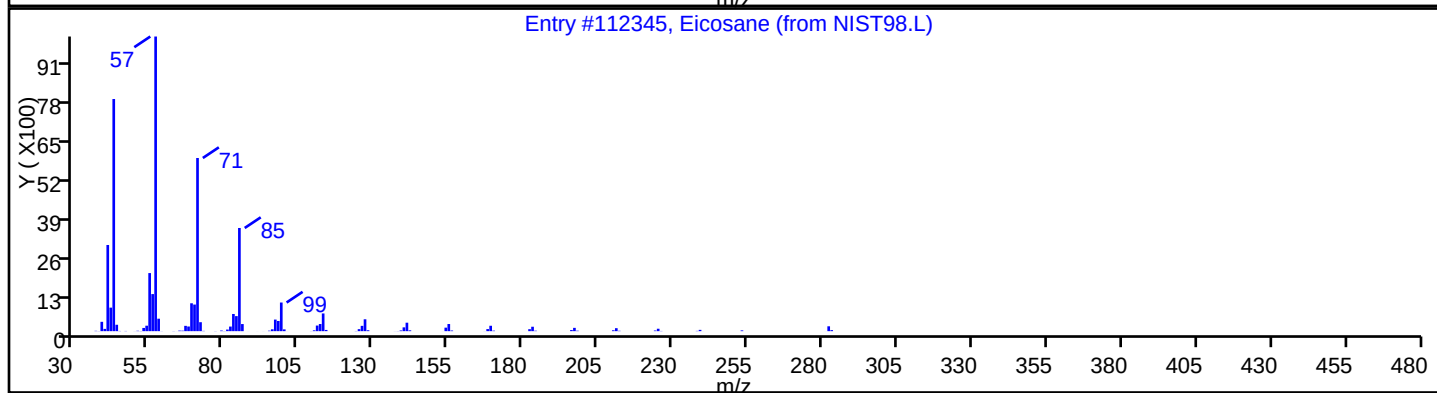
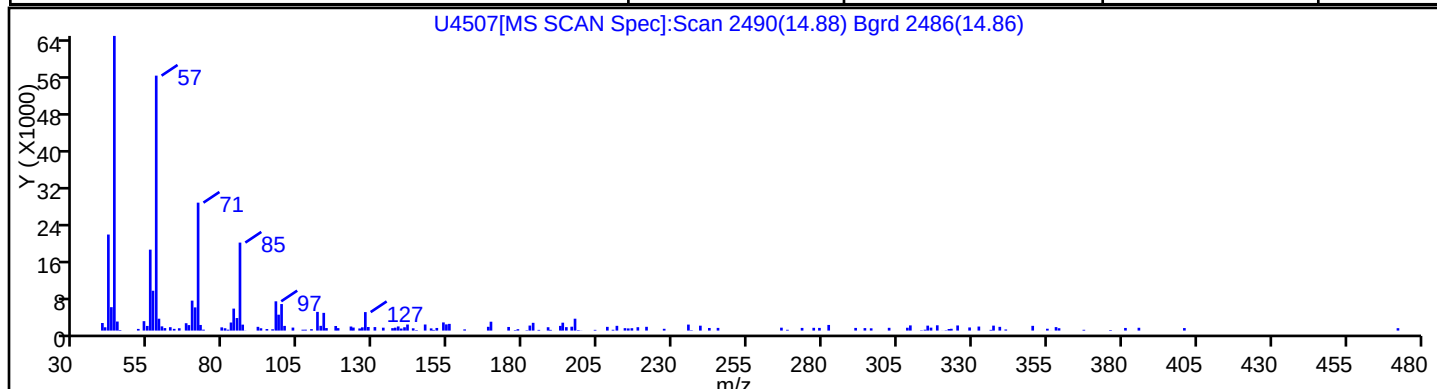
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane	112-95-8	NIST98.L	112345	95
Octadecane, 2-methyl-	1560-88-9	NIST98.L	109628	90
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NIST98.L	17067	89



Report Date: 27-Sep-2011 10:11:02

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D

Injection Date: 23-Sep-2011 16:23:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 10

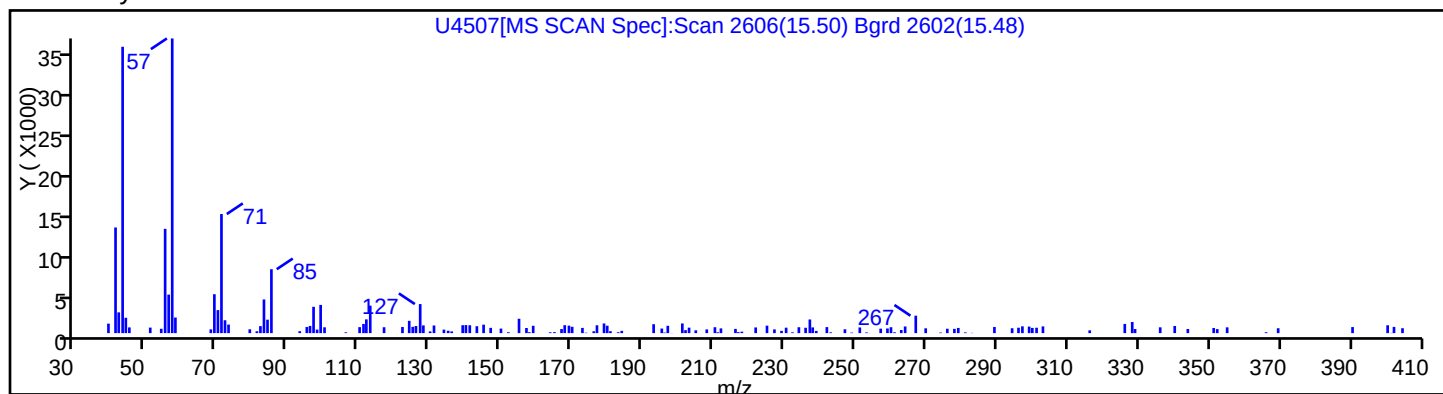
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 10



Report Date: 27-Sep-2011 10:11:02

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4507.D

Injection Date: 23-Sep-2011 16:23:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C5 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 10

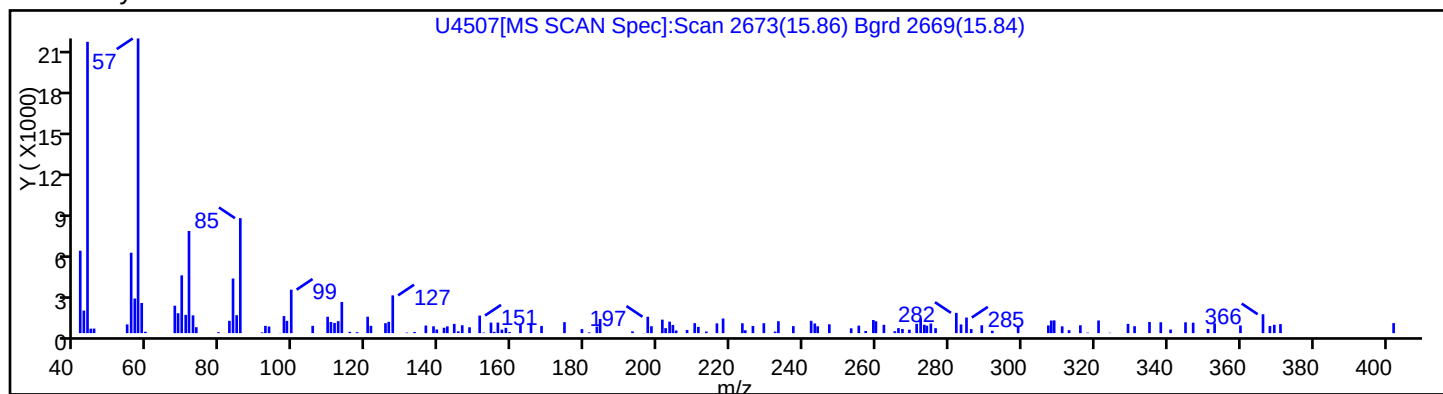
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 10



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-10088-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-C7 (5-9)</u>	Lab Sample ID: <u>480-10088-4</u>
Matrix: <u>Solid</u>	Lab File ID: <u>U4508.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/19/2011 11:25</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/22/2011 15:36</u>
Sample wt/vol: <u>+30.50(g)</u>	Date Analyzed: <u>09/23/2011 16:46</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>17.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>32612</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		200	44
88-06-2	2,4,6-Trichlorophenol	ND		200	13
120-83-2	2,4-Dichlorophenol	ND		200	11
105-67-9	2,4-Dimethylphenol	ND		200	54
51-28-5	2,4-Dinitrophenol	ND		390	70
121-14-2	2,4-Dinitrotoluene	ND		200	31
606-20-2	2,6-Dinitrotoluene	ND		200	49
91-58-7	2-Chloronaphthalene	ND		200	13
95-57-8	2-Chlorophenol	ND		200	10
91-57-6	2-Methylnaphthalene	54	J	200	2.4
95-48-7	2-Methylphenol	ND		200	6.2
88-74-4	2-Nitroaniline	ND		390	64
88-75-5	2-Nitrophenol	ND		200	9.2
91-94-1	3,3'-Dichlorobenzidine	ND		200	180
99-09-2	3-Nitroaniline	ND		390	46
534-52-1	4,6-Dinitro-2-methylphenol	ND		390	69
101-55-3	4-Bromophenyl phenyl ether	ND		200	64
59-50-7	4-Chloro-3-methylphenol	ND		200	8.3
106-47-8	4-Chloroaniline	ND		200	59
7005-72-3	4-Chlorophenyl phenyl ether	ND		200	4.3
106-44-5	4-Methylphenol	ND		390	11
100-01-6	4-Nitroaniline	ND		390	22
100-02-7	4-Nitrophenol	ND		390	49
83-32-9	Acenaphthene	86	J	200	2.4
208-96-8	Acenaphthylene	47	J	200	1.6
98-86-2	Acetophenone	ND		200	10
120-12-7	Anthracene	250		200	5.1
1912-24-9	Atrazine	ND		200	8.9
100-52-7	Benzaldehyde	ND		200	22
56-55-3	Benzo(a)anthracene	510		200	3.5
50-32-8	Benzo(a)pyrene	440		200	4.8
205-99-2	Benzo(b)fluoranthene	500		200	3.9
191-24-2	Benzo(g,h,i)perylene	240		200	2.4
207-08-9	Benzo(k)fluoranthene	190	J	200	2.2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-10088-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-C7 (5-9)</u>	Lab Sample ID: <u>480-10088-4</u>
Matrix: <u>Solid</u>	Lab File ID: <u>U4508.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/19/2011 11:25</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/22/2011 15:36</u>
Sample wt/vol: <u>+30.50(g)</u>	Date Analyzed: <u>09/23/2011 16:46</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>17.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>32612</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	20	J	200	13
108-60-1	bis (2-chloroisopropyl) ether	ND		200	21
111-91-1	Bis(2-chloroethoxy)methane	ND		200	11
111-44-4	Bis(2-chloroethyl)ether	ND		200	17
117-81-7	Bis(2-ethylhexyl) phthalate	ND		200	65
85-68-7	Butyl benzyl phthalate	ND		200	54
105-60-2	Caprolactam	ND		200	87
86-74-8	Carbazole	120	J	200	2.3
218-01-9	Chrysene	500		200	2.0
53-70-3	Dibenz (a,h) anthracene	ND		200	2.4
132-64-9	Dibenzofuran	75	J	200	2.1
84-66-2	Diethyl phthalate	ND		200	6.1
131-11-3	Dimethyl phthalate	ND		200	5.2
84-74-2	Di-n-butyl phthalate	ND		200	69
117-84-0	Di-n-octyl phthalate	ND		200	4.7
206-44-0	Fluoranthene	1100		200	2.9
86-73-7	Fluorene	100	J	200	4.6
118-74-1	Hexachlorobenzene	ND		200	10
87-68-3	Hexachlorobutadiene	ND		200	10
77-47-4	Hexachlorocyclopentadiene	ND		200	61
67-72-1	Hexachloroethane	ND		200	16
193-39-5	Indeno (1,2,3-cd)pyrene	200		200	5.6
78-59-1	Isophorone	ND		200	10
91-20-3	Naphthalene	160	J	200	3.3
98-95-3	Nitrobenzene	ND		200	8.9
621-64-7	N-Nitrosodi-n-propylamine	ND		200	16
86-30-6	N-Nitrosodiphenylamine	ND		200	11
87-86-5	Pentachlorophenol	ND		390	69
85-01-8	Phenanthrene	1000		200	4.2
108-95-2	Phenol	ND		200	21
129-00-0	Pyrene	1000		200	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: SB-C7 (5-9) Lab Sample ID: 480-10088-4
Matrix: Solid Lab File ID: U4508.D
Analysis Method: 8270C Date Collected: 09/19/2011 11:25
Extract. Method: 3550B Date Extracted: 09/22/2011 15:36
Sample wt/vol: +30.50(g) Date Analyzed: 09/23/2011 16:46
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 17.3 GPC Cleanup: (Y/N) N
Analysis Batch No.: 32612 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	129		39-146
321-60-8	2-Fluorobiphenyl	98		37-120
367-12-4	2-Fluorophenol	87		18-120
4165-60-0	Nitrobenzene-d5	91		34-132
4165-62-2	Phenol-d5	101		11-120
1718-51-0	p-Terphenyl-d14	125		58-147

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: SB-C7 (5-9) Lab Sample ID: 480-10088-4
Matrix: Solid Lab File ID: U4508.D
Analysis Method: 8270C Date Collected: 09/19/2011 11:25
Extract. Method: 3550B Date Extracted: 09/22/2011 15:36
Sample wt/vol: +30.50(g) Date Analyzed: 09/23/2011 16:46
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 17.3 GPC Cleanup: (Y/N) N
Analysis Batch No.: 32612 Units: ug/Kg
Number TICs Found: 5 TIC Result Total: 1510

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	13.81	340	T J
	Unknown	14.08	220	T J
638-67-5	Tricosane	14.34	200	T J N
593-45-3	Octadecane	14.60	490	T J N
112-95-8	Eicosane	15.50	260	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D
 Lims ID: 480-10088-E-4-A Client ID: SB-C7 (5-9)
 Inject. Date: 23-Sep-2011 16:46:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0006193-011
 Misc. Info.: 480-10088-E-4-A
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 32612 Lims Sample ID: 11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U-8270.m
 Last Update: 26-Sep-2011 11:33:23 Calib Date: 14-Sep-2011 21:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 26-Sep-2011 09:37:12

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.779	5.773	0.006	93	107318	40.0	
* 2 Naphthalene-d8	136	7.504	7.499	0.005	99	456529	40.0	
* 3 Acenaphthene-d10	164	9.775	9.775	0.0	97	288549	40.0	
* 4 Phenanthrene-d10	188	11.484	11.479	0.005	95	443001	40.0	
* 5 Chrysene-d12	240	13.952	13.952	0.0	96	416995	40.0	
* 6 Perylene-d12	264	15.224	15.219	0.005	96	479824	40.0	
\$ 9 2-Fluorophenol	112	3.920	3.914	0.006	97	395764	130.4	
\$ 10 Phenol-d5	99	5.325	5.325	0.0	88	553038	151.1	
\$ 11 Nitrobenzene-d5	82	6.543	6.543	0.0	89	386481	90.9	
\$ 12 2-Fluorobiphenyl	172	8.925	8.925	0.0	98	914789	98.1	
\$ 13 2,4,6-Tribromophenol	330	10.731	10.731	0.0	96	255657	193.0	
\$ 14 p-Terphenyl-d14	244	13.023	13.023	0.0	96	1172270	125.2	
88 Benzaldehyde	77		5.148					
89 Phenol	94		5.346					
91 Bis(2-chloroethyl)ether	93		5.410					
93 2-Chlorophenol	128		5.496					
99 2,2'-oxybis[1-chloropropane]	45		6.174					
98 2-Methylphenol	108		6.180					
104 Acetophenone	105		6.340					
101 N-Nitrosodi-n-propylamine	70		6.356					
102 4-Methylphenol	108		6.399					
106 Hexachloroethane	117		6.473					
107 Nitrobenzene	77		6.564					
110 Isophorone	82		6.895					
111 2-Nitrophenol	139		7.002					
112 2,4-Dimethylphenol	107		7.109					
115 Bis(2-chloroethoxy)methane	93		7.205					
117 2,4-Dichlorophenol	162		7.344					
121 Naphthalene	128	7.531	7.531	0.0	49	46454	4.02	
123 4-Chloroaniline	127		7.622					
126 Hexachlorobutadiene	225		7.723					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113		8.033					
131 4-Chloro-3-methylphenol	107		8.295					
133 2-Methylnaphthalene	142	8.444	8.439	0.005	44	11490	1.37	
136 Hexachlorocyclopentadiene	237		8.664					
139 2,4,6-Trichlorophenol	196		8.829					
140 2,4,5-Trichlorophenol	196		8.883					
144 1,1'-Biphenyl	154	9.043	9.048	-0.005	1	5536	0.5013	
143 2-Chloronaphthalene	162		9.064					
145 2-Nitroaniline	65		9.209					
147 Dimethyl phthalate	163		9.454					
148 2,6-Dinitrotoluene	165		9.518					
149 Acenaphthylene	152	9.593	9.593	0.0	67	14205	1.19	
150 3-Nitroaniline	138		9.737					
151 Acenaphthene	153	9.812	9.818	-0.006	69	16865	2.18	
152 2,4-Dinitrophenol	184		9.871					
153 4-Nitrophenol	109		10.005					
154 2,4-Dinitrotoluene	165		10.031					
155 Dibenzofuran	168	10.031	10.037	-0.006	72	23156	1.89	
160 Diethyl phthalate	149		10.336					
161 Fluorene	166	10.442	10.448	-0.006	72	26582	2.64	
162 4-Chlorophenyl phenyl ether	204		10.453					
164 4-Nitroaniline	138		10.491					
166 4,6-Dinitro-2-methylphenol	198		10.528					
167 N-Nitrosodiphenylamine	169		10.592					
176 4-Bromophenyl phenyl ether	248		11.004					
177 Hexachlorobenzene	284		11.089					
180 Atrazine	200		11.196					
181 Pentachlorophenol	266		11.308					
185 Phenanthrene	178	11.506	11.511	-0.005	93	313442	25.3	
188 Anthracene	178	11.559	11.559	0.0	93	77408	6.27	
189 Carbazole	167	11.730	11.735	-0.005	60	31787	3.03	
192 Di-n-butyl phthalate	149	12.077	12.083	-0.006	9	4799	0.3676	
197 Fluoranthene	202	12.676	12.681	-0.005	95	383715	27.6	
199 Pyrene	202	12.884	12.889	-0.005	97	314165	25.5	
205 Butyl benzyl phthalate	149		13.445					
208 3,3'-Dichlorobenzidine	252		13.915					
210 Bis(2-ethylhexyl) phthalate	149	13.926	13.931	-0.005	70	10514	1.43	
209 Benzo[a]anthracene	228	13.942	13.947	-0.005	95	159031	12.9	
211 Chrysene	228	13.974	13.979	-0.005	51	144303	12.6	
212 Di-n-octyl phthalate	149		14.455					
213 Benzo[b]fluoranthene	252	14.866	14.871	-0.005	90	185970	12.7	
214 Benzo[k]fluoranthene	252	14.887	14.893	-0.006	1	71202	4.76	M
217 Benzo[a]pyrene	252	15.165	15.171	-0.006	99	133692	11.0	
220 Dibenz(a,h)anthracene	278		16.335					
219 Indeno[1,2,3-cd]pyrene	276	16.324	16.335	-0.011	86	79603	5.00	
221 Benzo[g,h,i]perylene	276	16.639	16.656	-0.017	81	71180	6.10	

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D
 Lims ID: 480-10088-E-4-A Client ID: SB-C7 (5-9)
 Inject. Date: 23-Sep-2011 16:46:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0006193-011
 Misc. Info.: 480-10088-E-4-A
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 32612 Lims Sample ID: 11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U-8270.m
 Last Update: 26-Sep-2011 11:33:23 Calib Date: 14-Sep-2011 21:40:30
 Tic RT Window: 1.500 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\Bufchrom\ChromData\Database\NIST98.L
 Min. Match: 10
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 26-Sep-2011 09:37:12

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
2-Methylantracene	12.072	14856		
Benzo[e]pyrene	15.117	83244		

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
13.808	362907	8.48	5			
14.075	240533	5.62	5			
14.337	219524	5.13	5	95	109661	
14.604	421600	12.3	6	89	112333	
15.502	223477	6.51	6	96	109630	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 5 Chrysene-d12	13.952	1712505	40.0
* 6 Perylene-d12	15.224	1373911	40.0

QC Flag Legend

Processing Flags

Report Date: 27-Sep-2011 10:11:46

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File:

\\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D

Injection Date: 23-Sep-2011 16:46:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 11

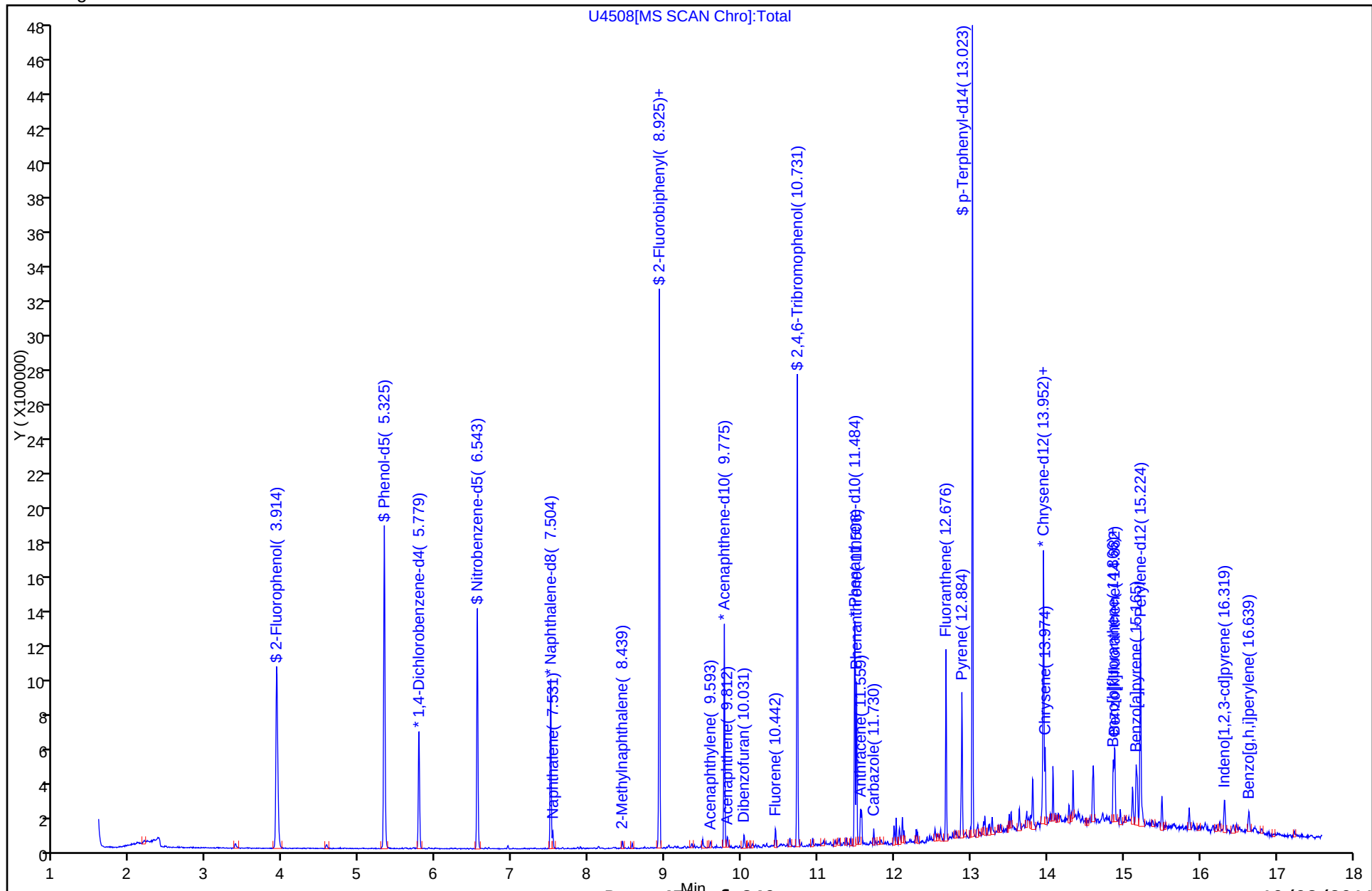
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



Report Date: 27-Sep-2011 10:11:46

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D

Injection Date: 23-Sep-2011 16:46:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 11

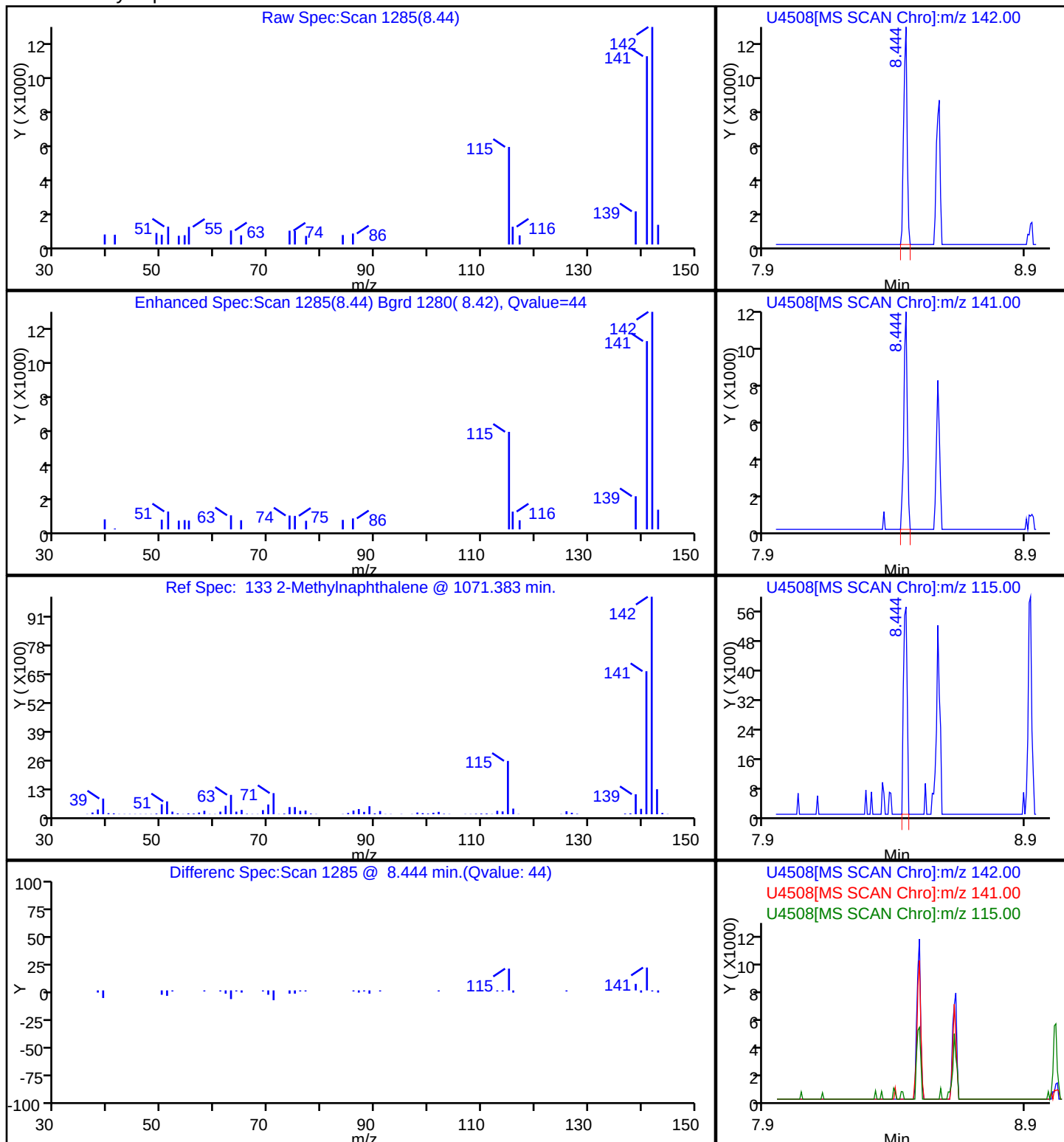
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

133 2-Methylnaphthalene



Report Date: 27-Sep-2011 10:11:46

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D

Injection Date: 23-Sep-2011 16:46:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 11

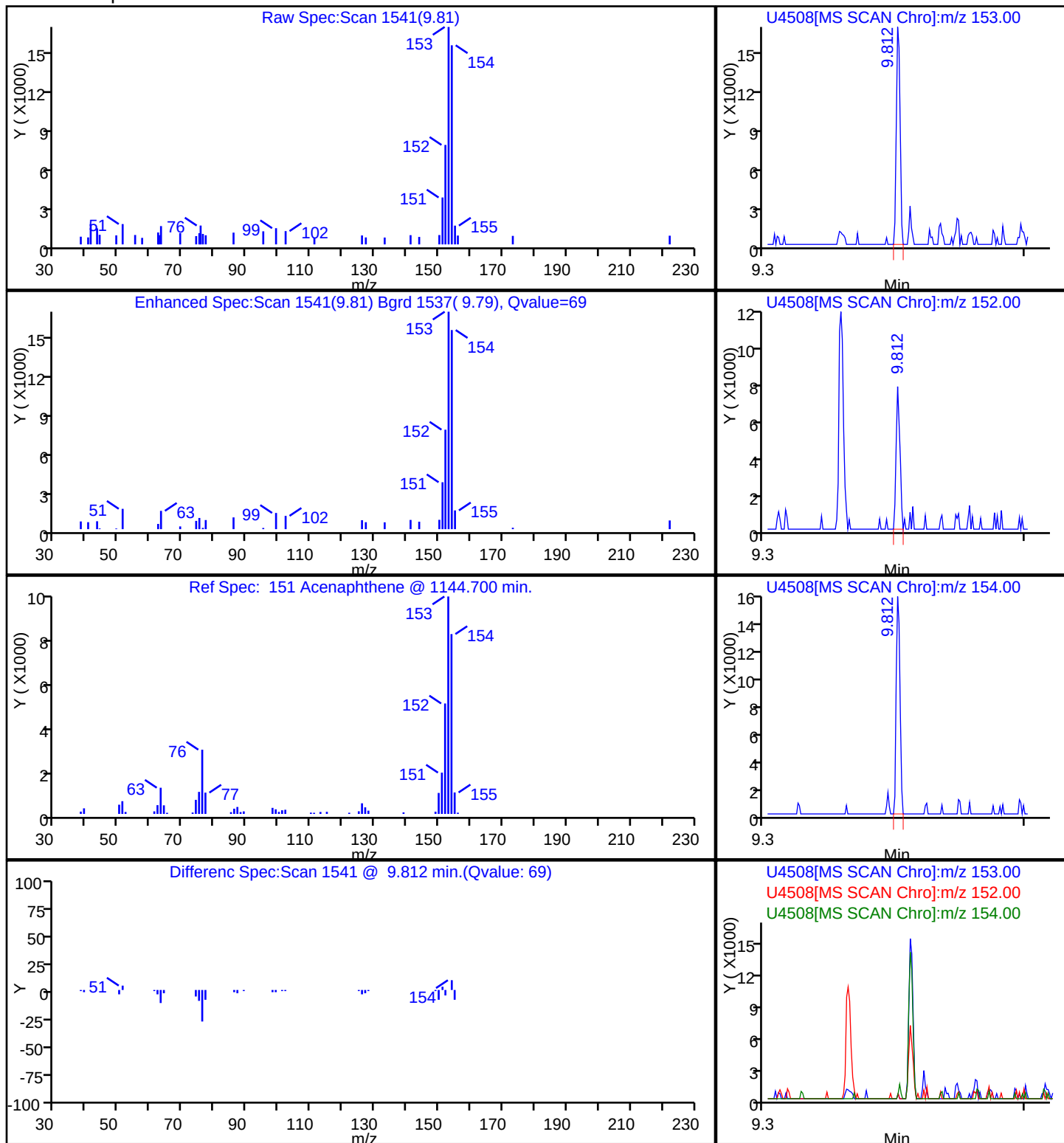
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

151 Acenaphthene



Report Date: 27-Sep-2011 10:11:46

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D

Injection Date: 23-Sep-2011 16:46:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 11

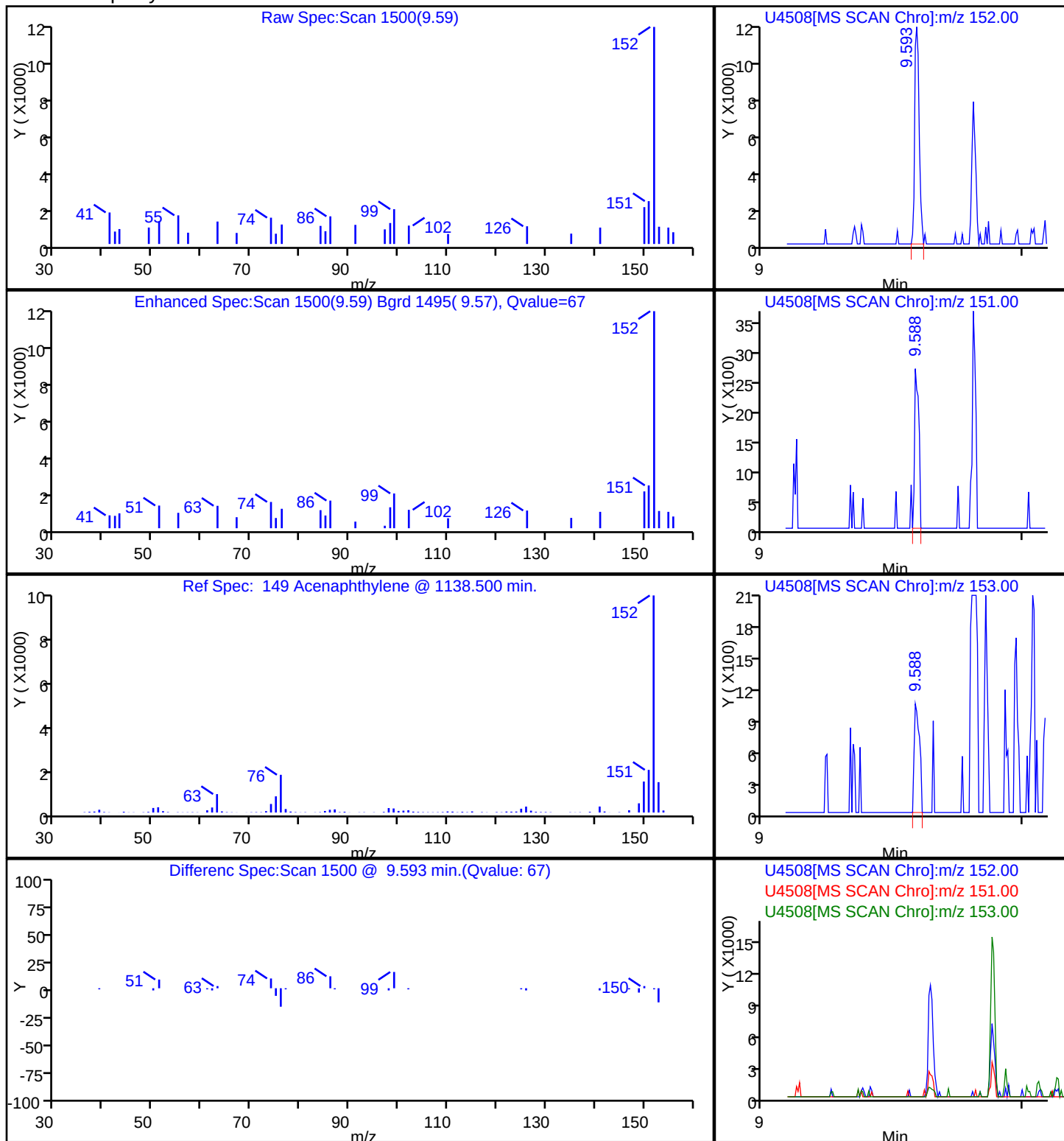
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

149 Acenaphthylene



Report Date: 27-Sep-2011 10:11:46

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D

Injection Date: 23-Sep-2011 16:46:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 11

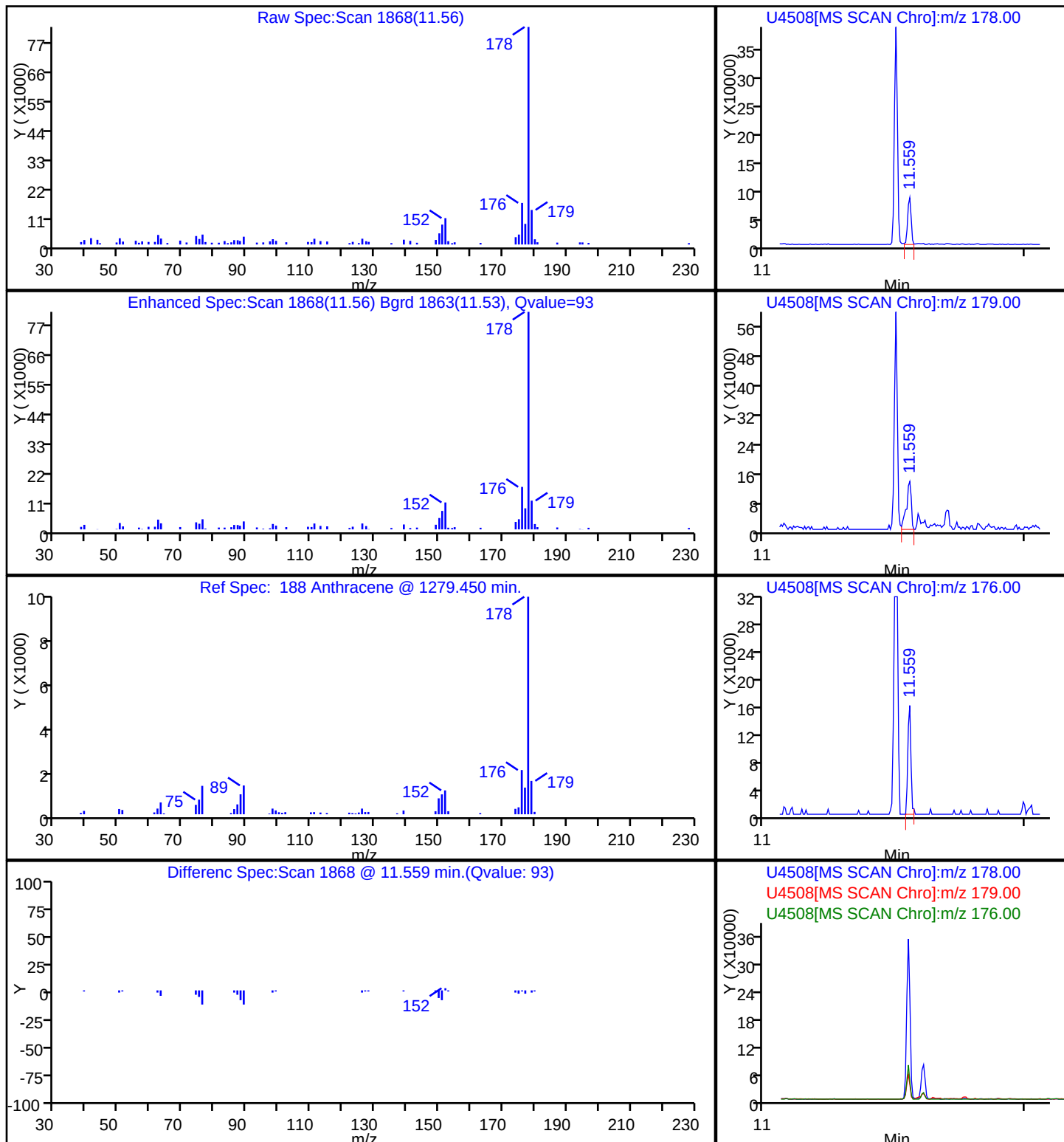
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

188 Anthracene



Report Date: 27-Sep-2011 10:11:46

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D

Injection Date: 23-Sep-2011 16:46:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 11

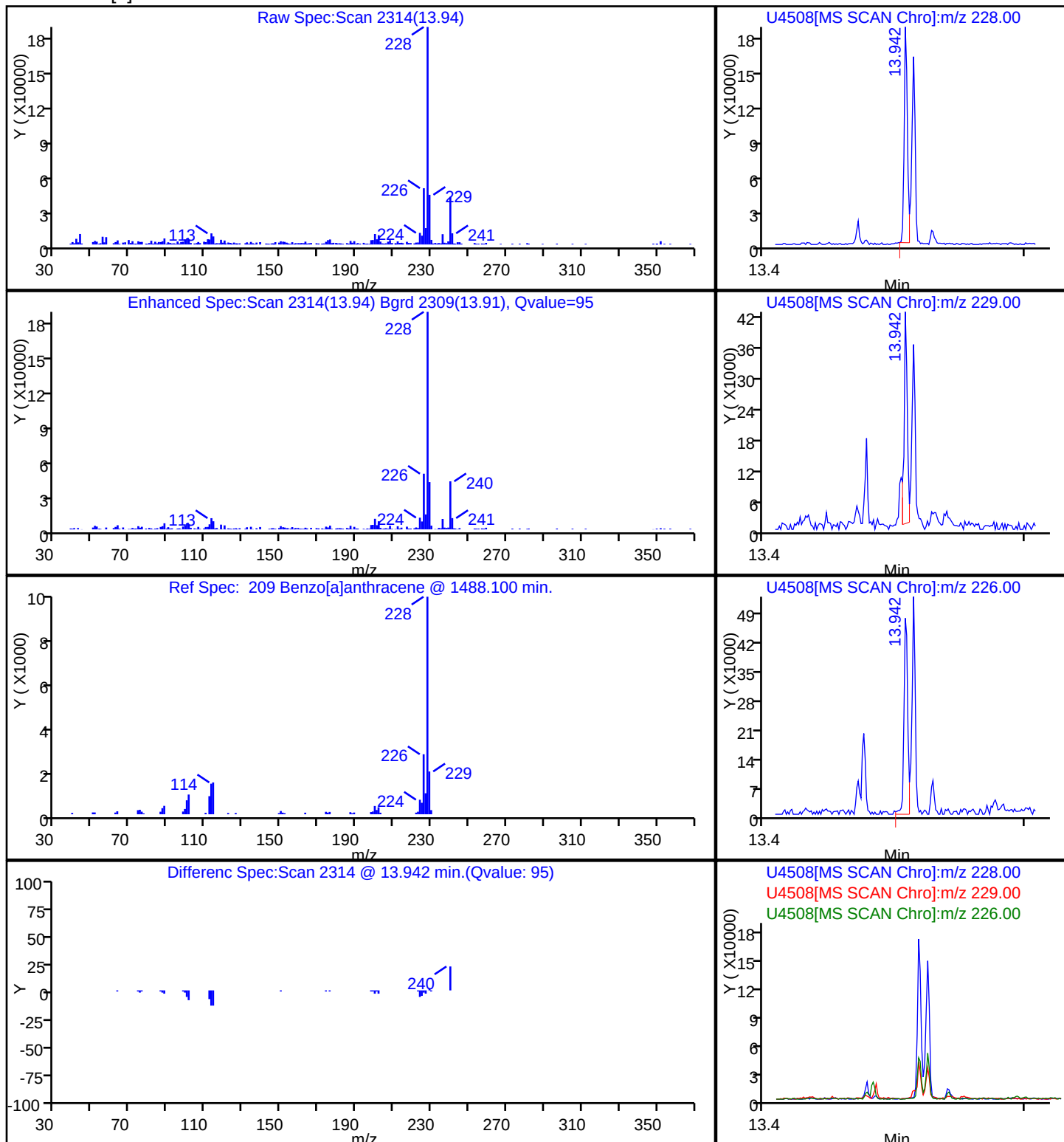
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

209 Benzo[a]anthracene



Report Date: 27-Sep-2011 10:11:46

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D

Injection Date: 23-Sep-2011 16:46:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 11

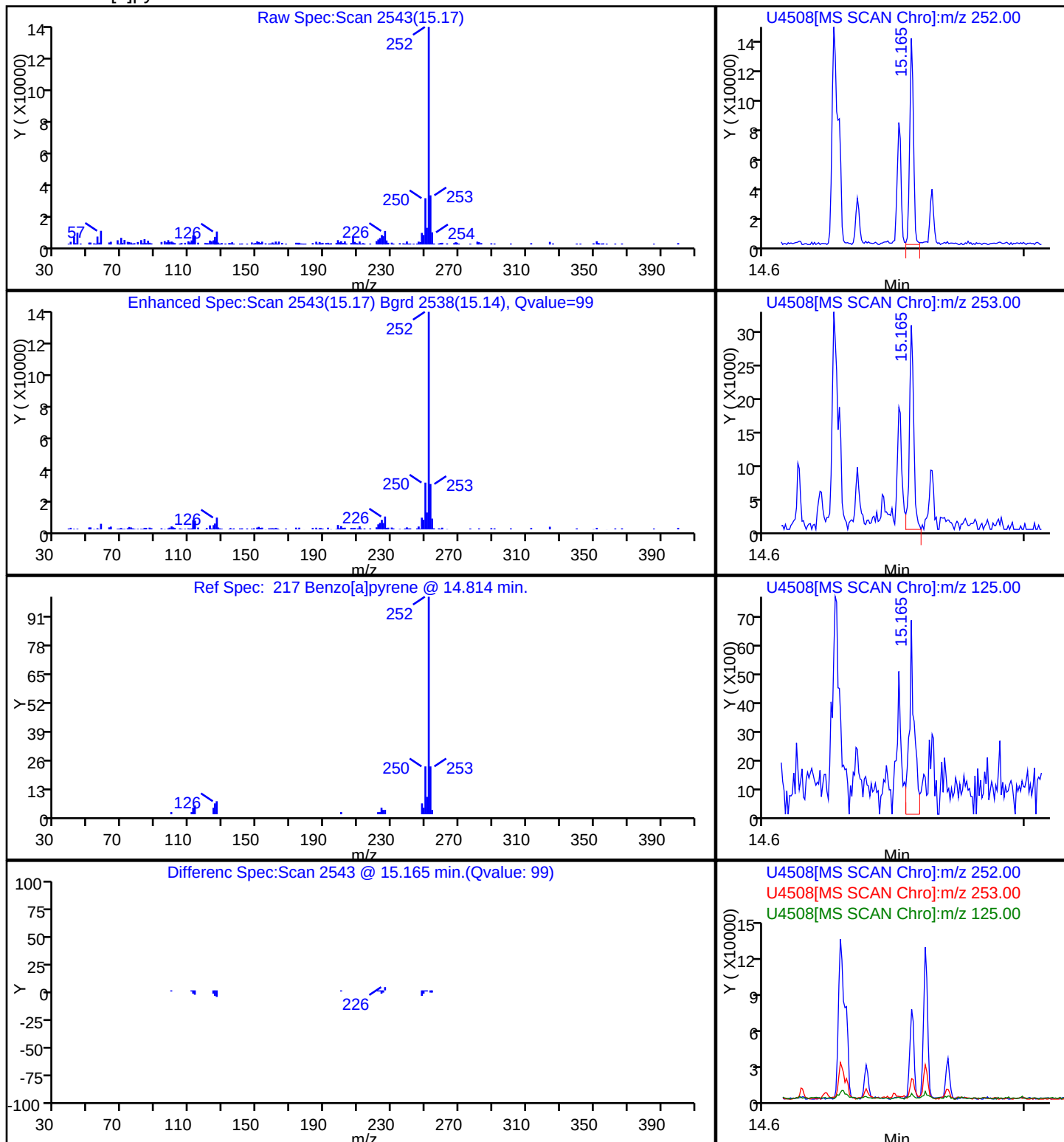
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

217 Benzo[a]pyrene



Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D

Injection Date: 23-Sep-2011 16:46:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 11

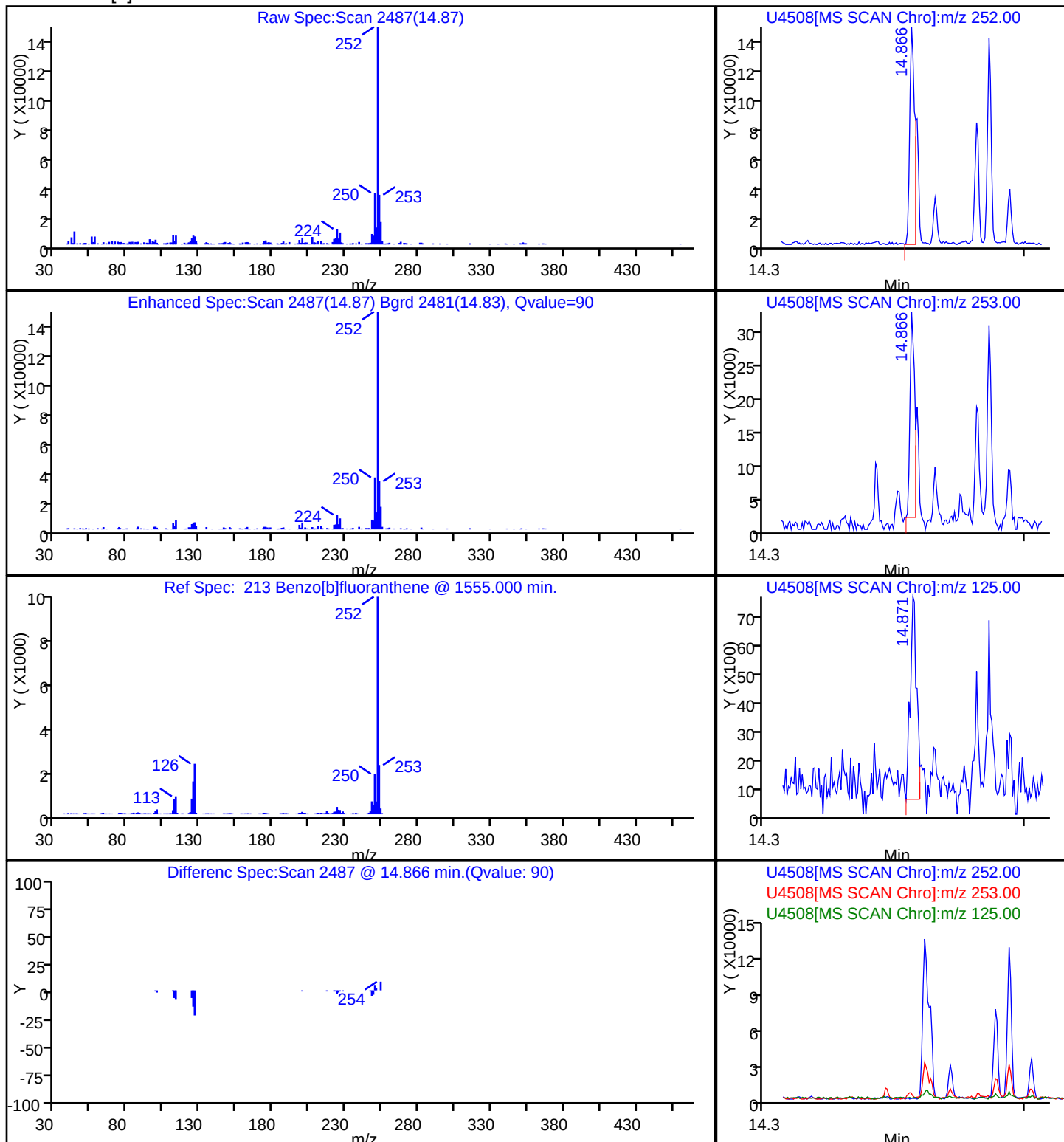
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

213 Benzo[b]fluoranthene



Report Date: 27-Sep-2011 10:11:46

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D

Injection Date: 23-Sep-2011 16:46:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 11

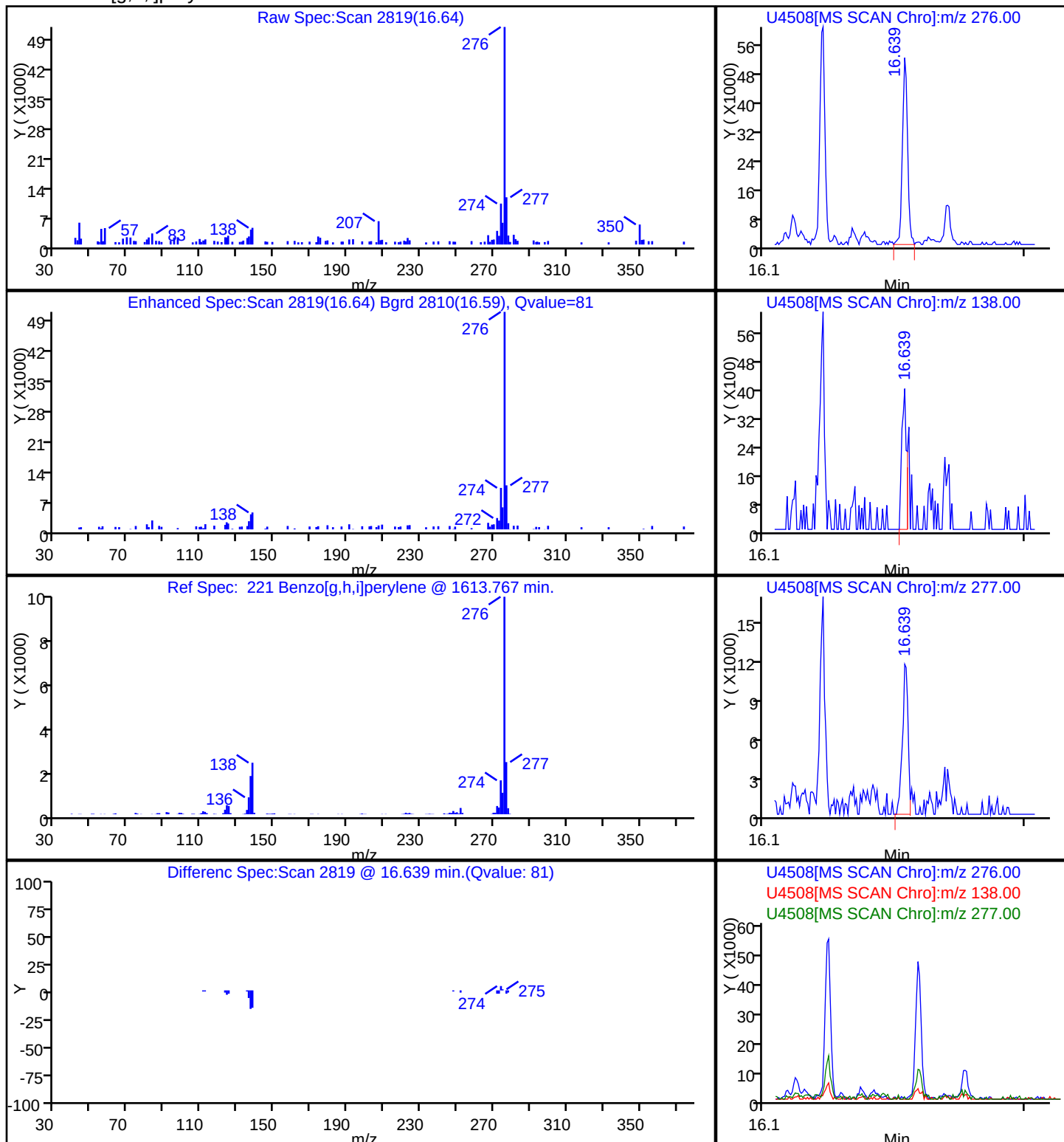
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

221 Benzo[g,h,i]perylene



Report Date: 27-Sep-2011 10:11:46

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D

Injection Date: 23-Sep-2011 16:46:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 11

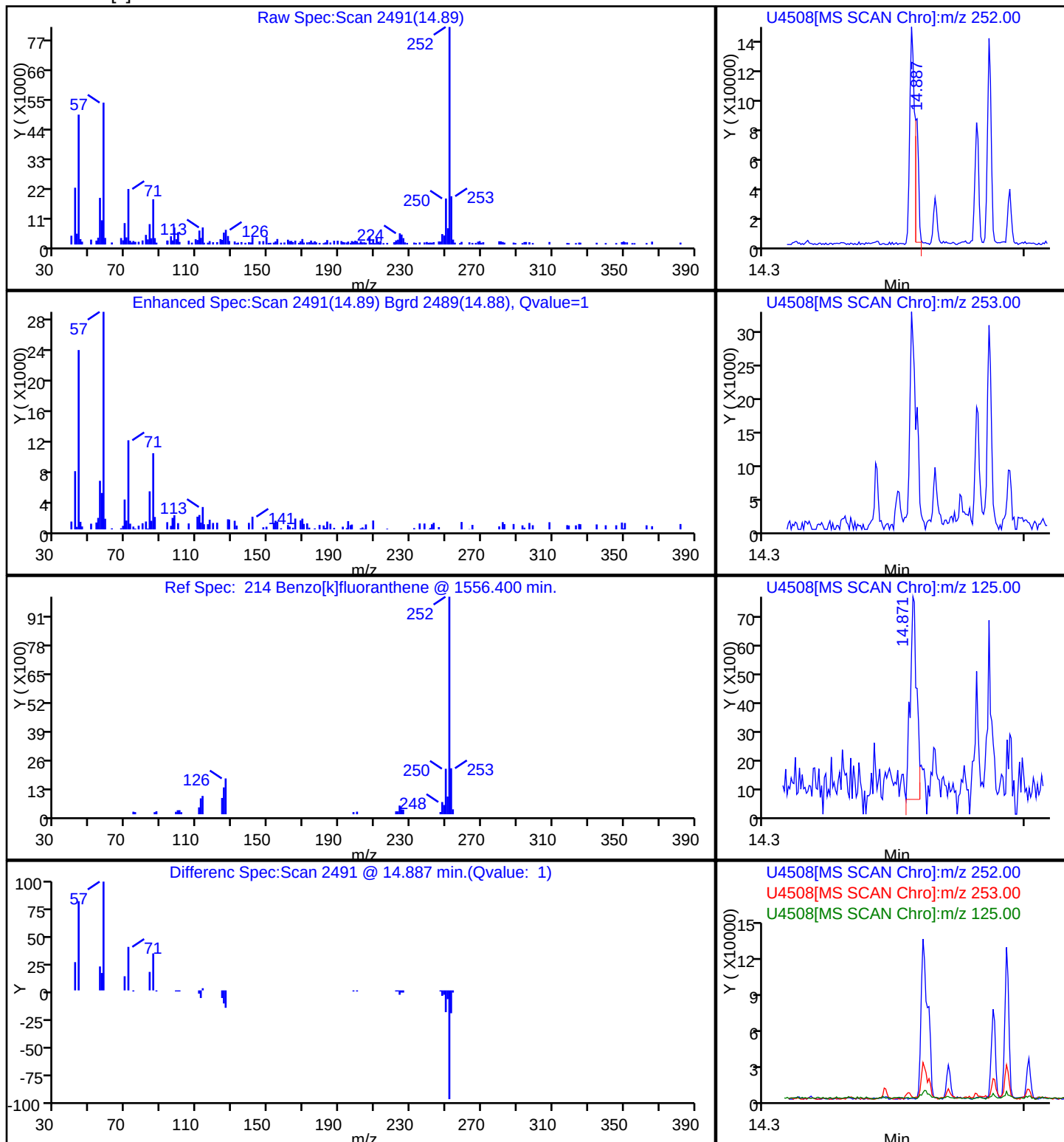
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

214 Benzo[k]fluoranthene



Report Date: 27-Sep-2011 10:11:46

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D

Injection Date: 23-Sep-2011 16:46:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 11

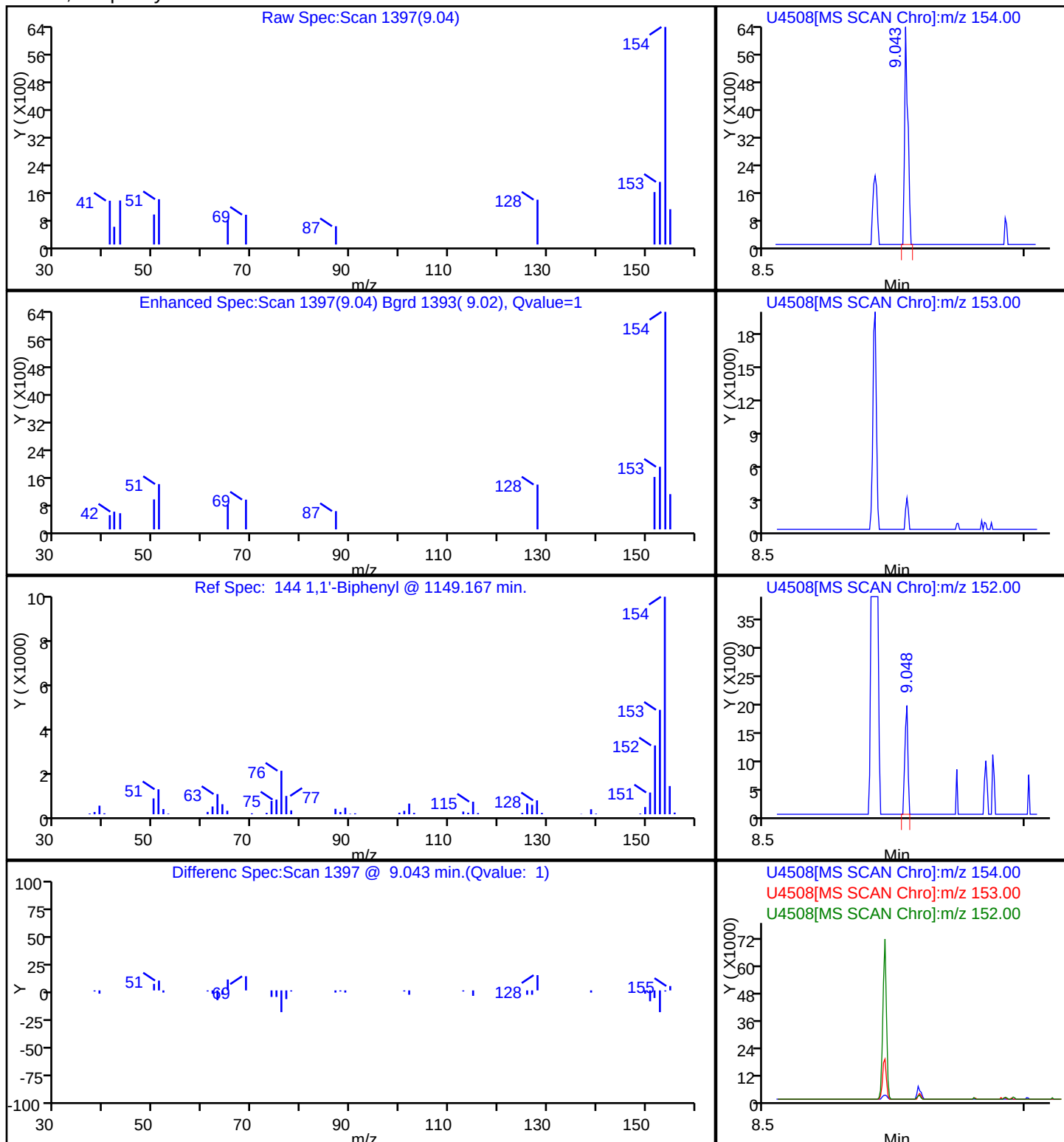
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

144 1,1'-Biphenyl



Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D

Injection Date: 23-Sep-2011 16:46:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 11

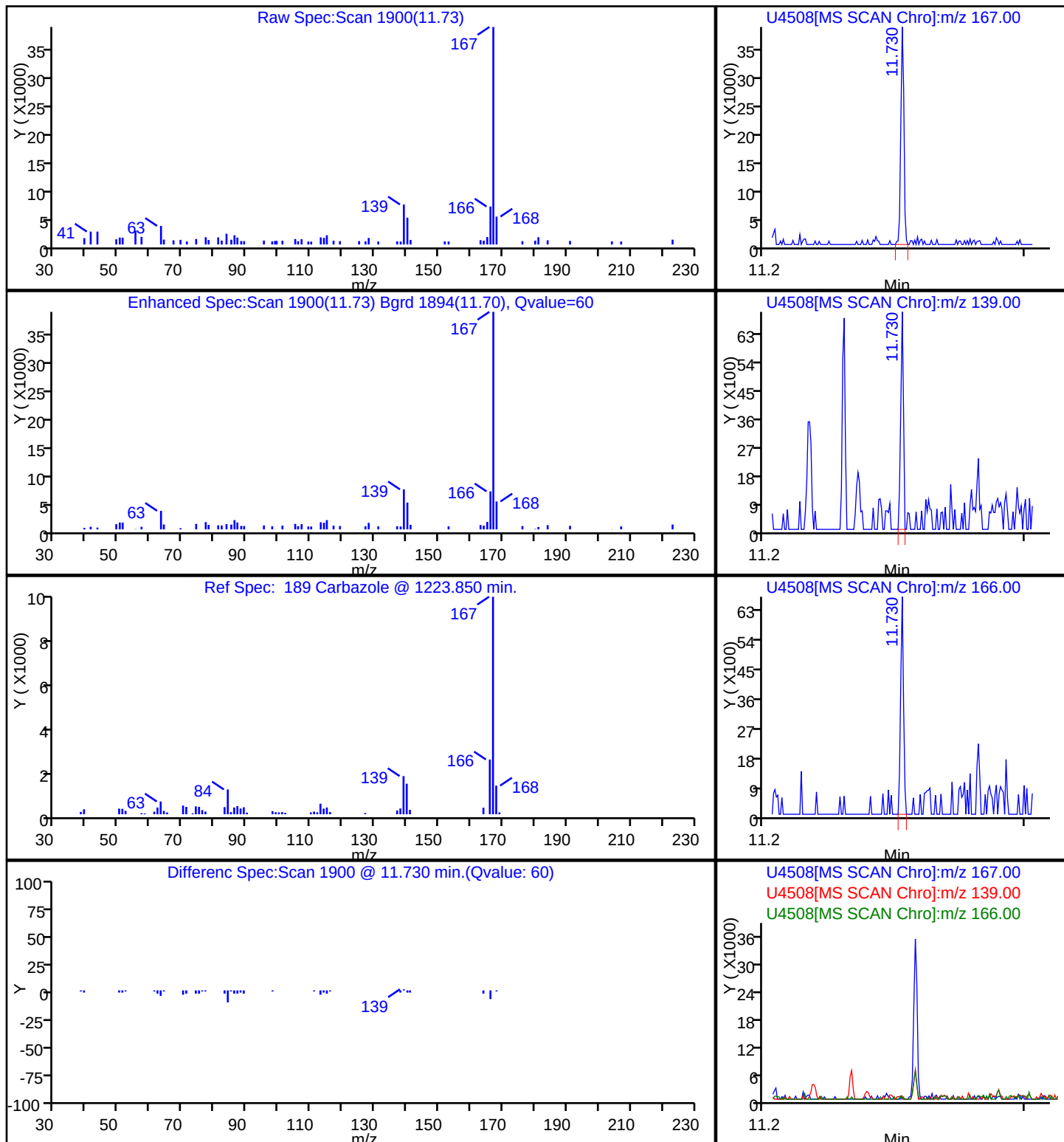
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

189 Carbazole



Report Date: 27-Sep-2011 10:11:46

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D

Injection Date: 23-Sep-2011 16:46:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 11

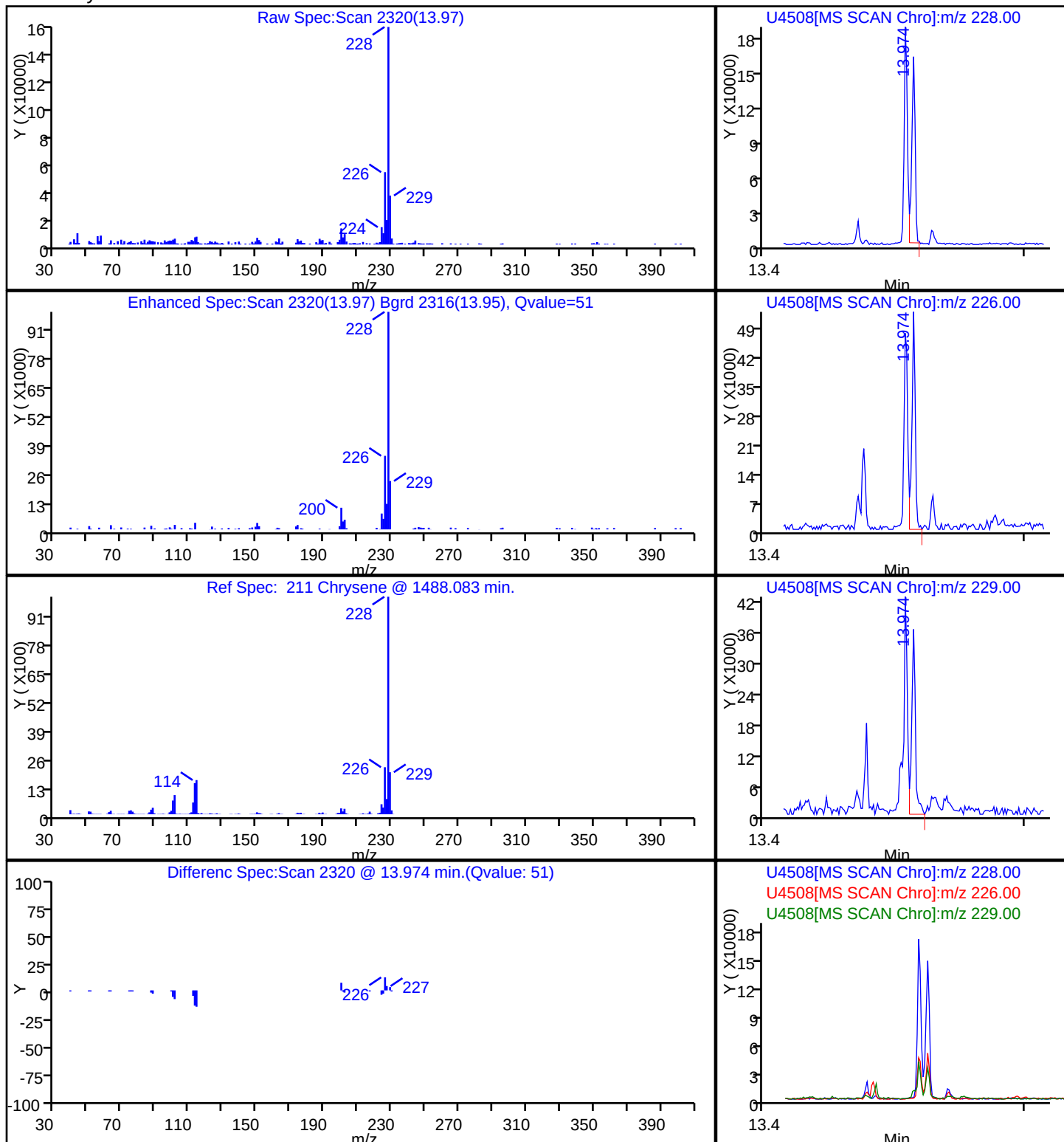
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

211 Chrysene



Report Date: 27-Sep-2011 10:11:46

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D

Injection Date: 23-Sep-2011 16:46:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 11

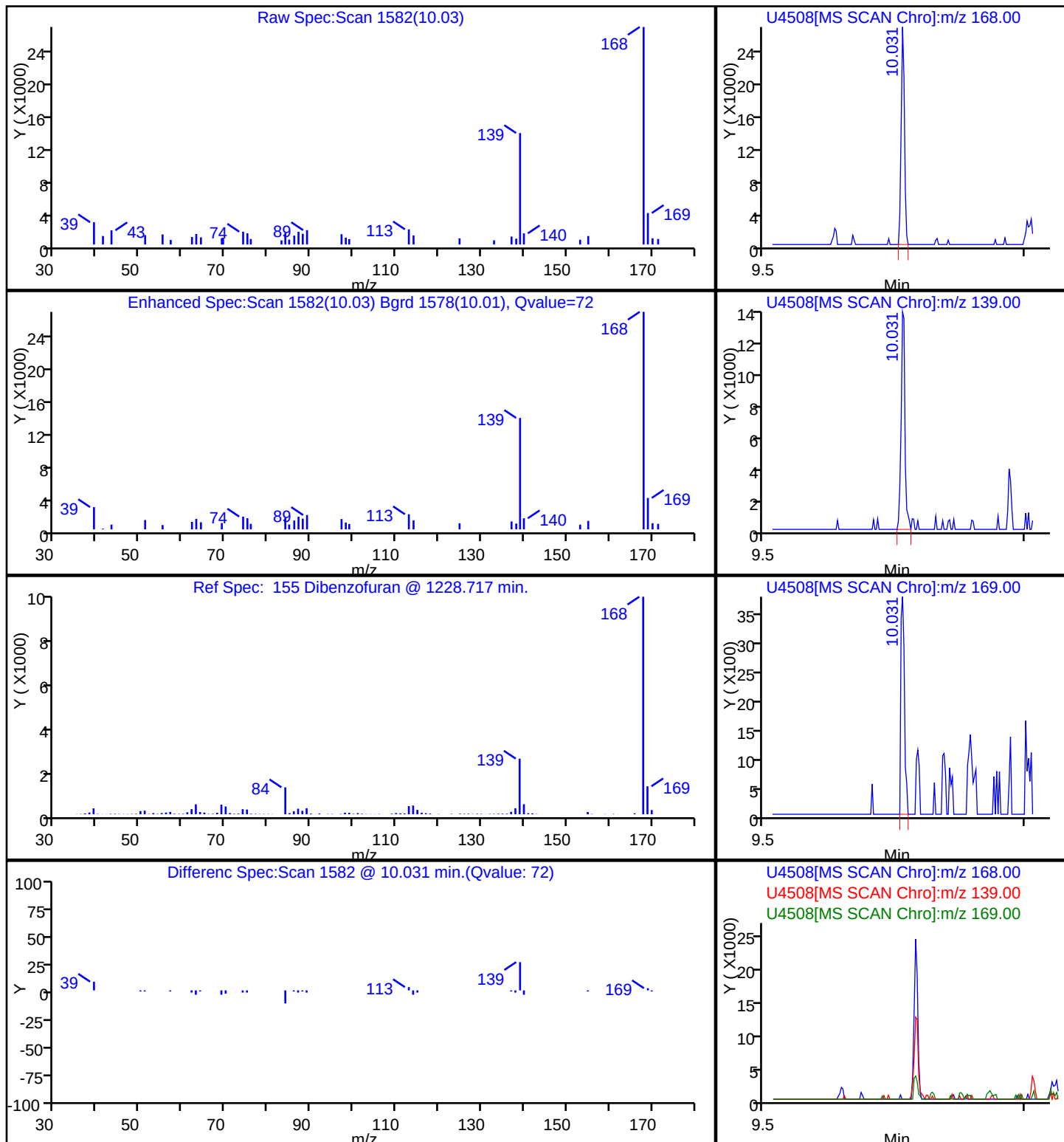
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

155 Dibenzofuran



Report Date: 27-Sep-2011 10:11:46

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D

Injection Date: 23-Sep-2011 16:46:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 11

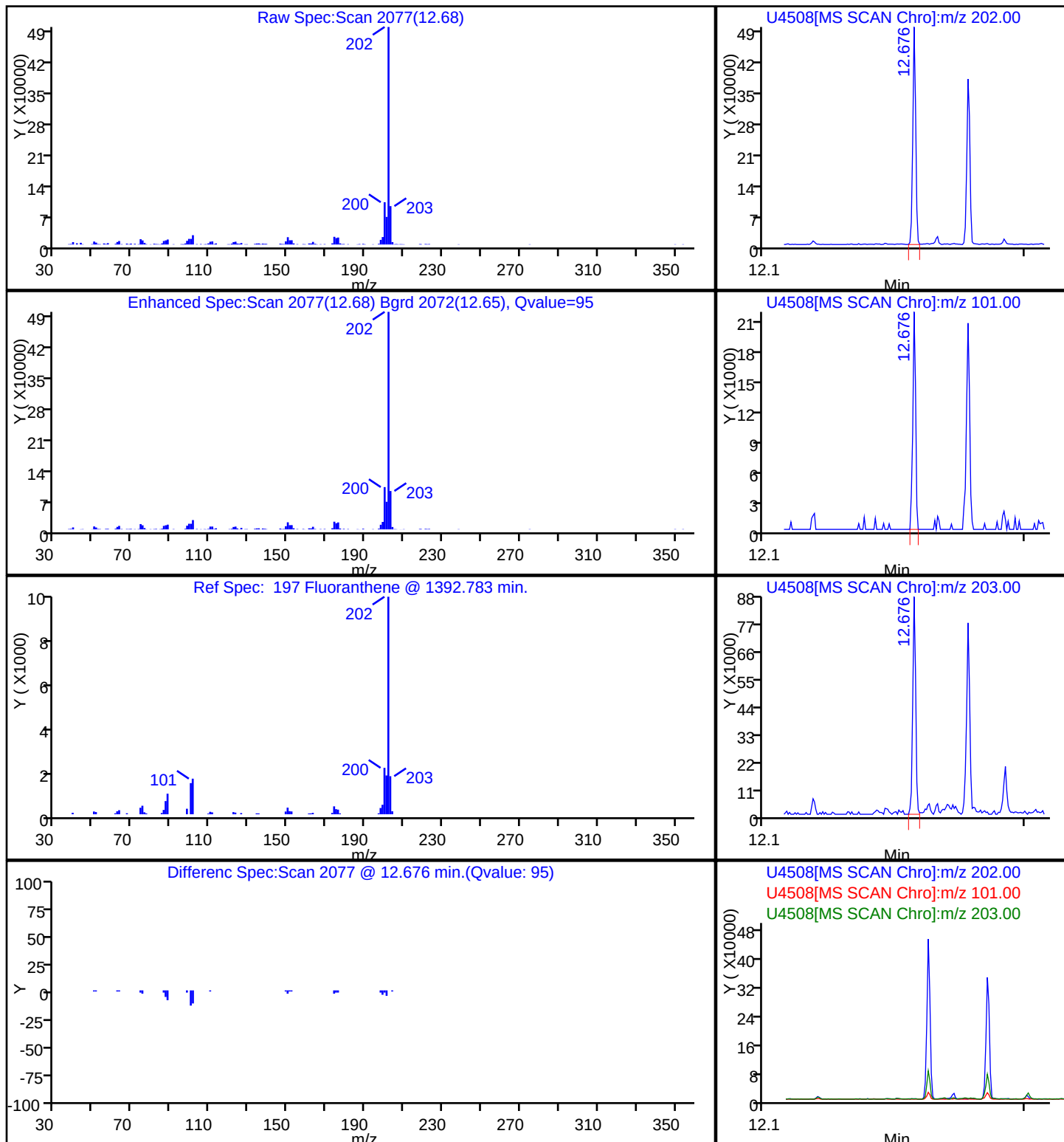
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

197 Fluoranthene



Report Date: 27-Sep-2011 10:11:46

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D

Injection Date: 23-Sep-2011 16:46:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 11

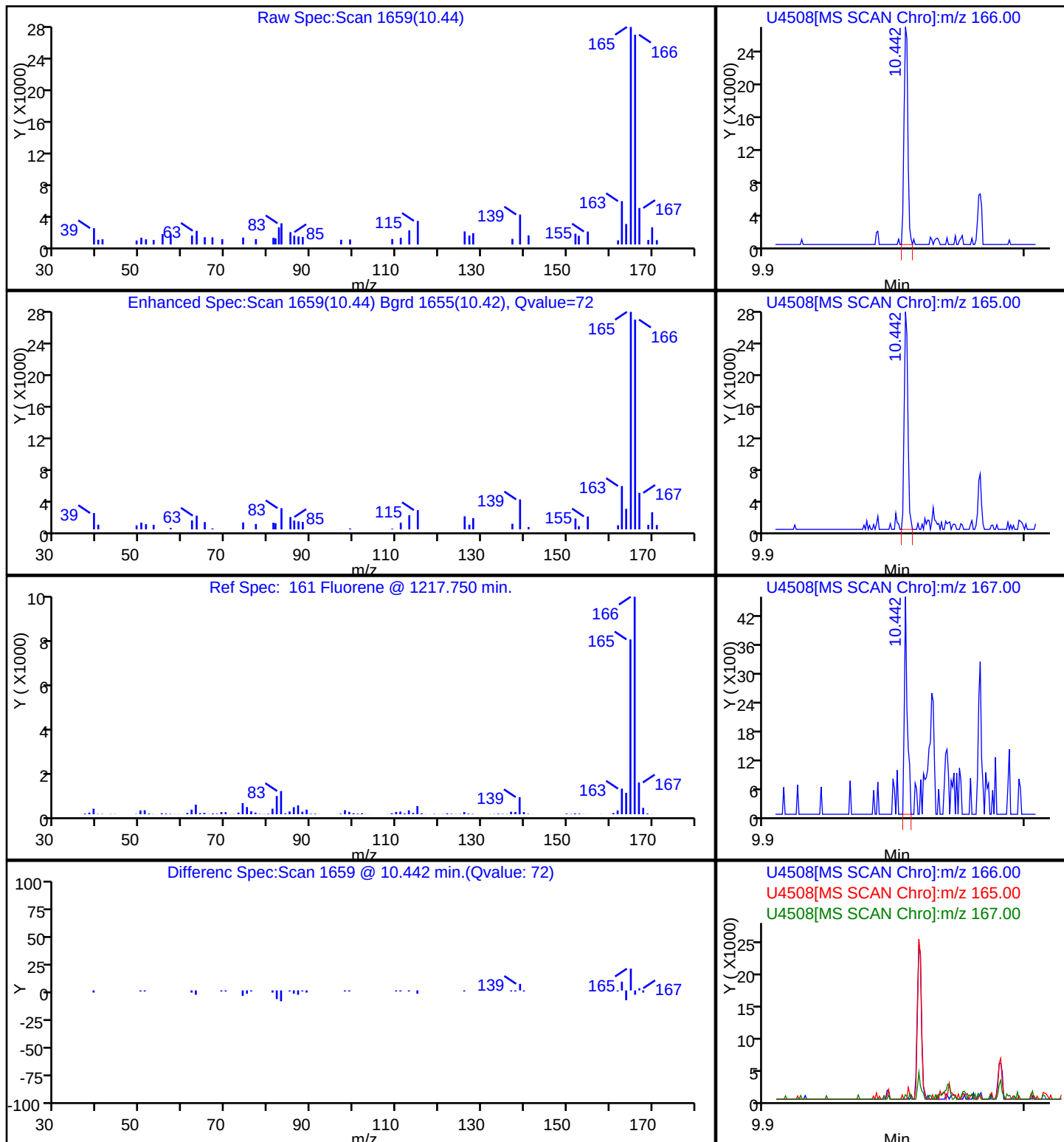
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

161 Fluorene



Report Date: 27-Sep-2011 10:11:46

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D

Injection Date: 23-Sep-2011 16:46:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 11

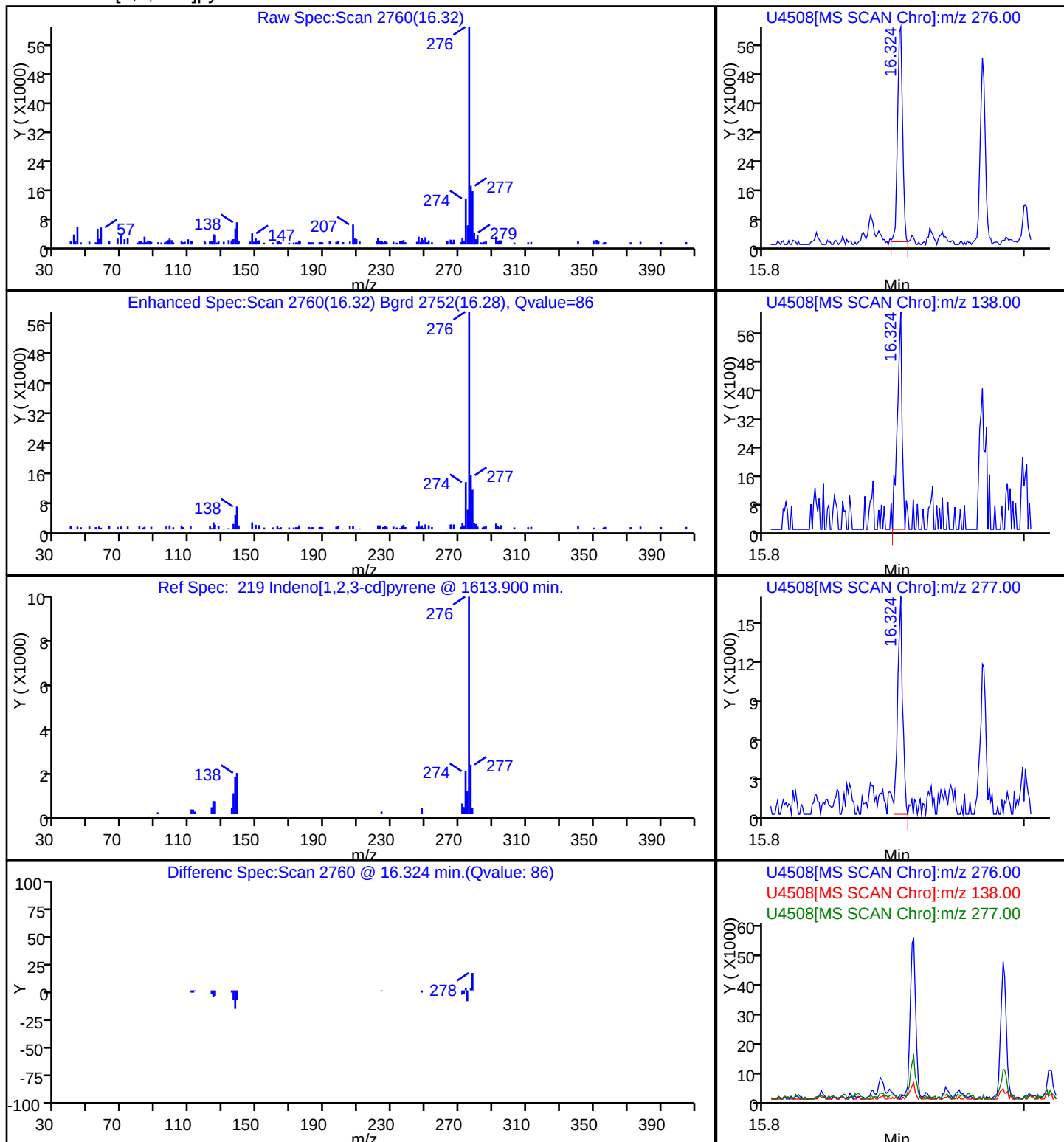
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

219 Indeno[1,2,3-cd]pyrene



Report Date: 27-Sep-2011 10:11:46

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D

Injection Date: 23-Sep-2011 16:46:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 11

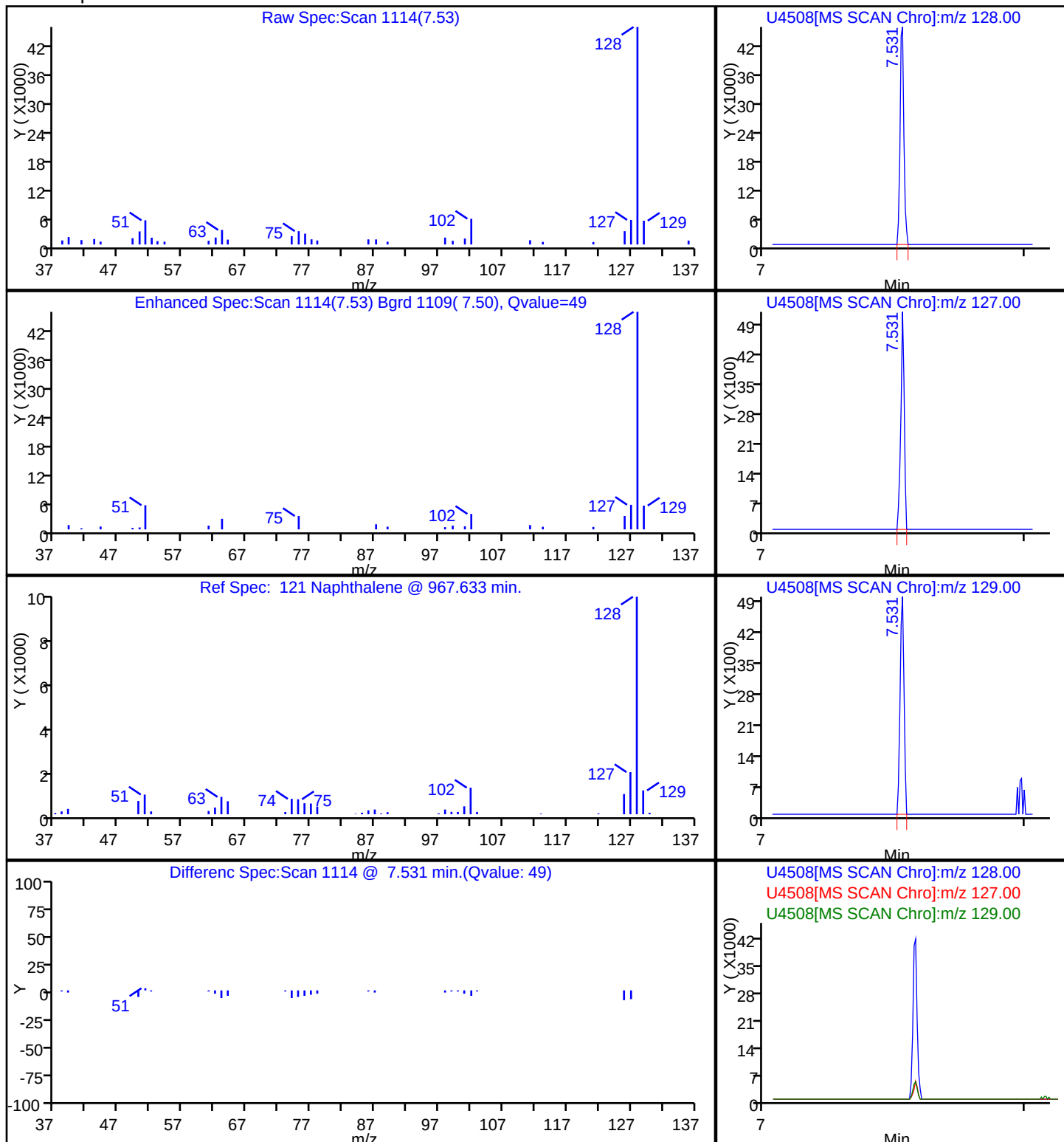
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

121 Naphthalene



Report Date: 27-Sep-2011 10:11:46

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D

Injection Date: 23-Sep-2011 16:46:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 11

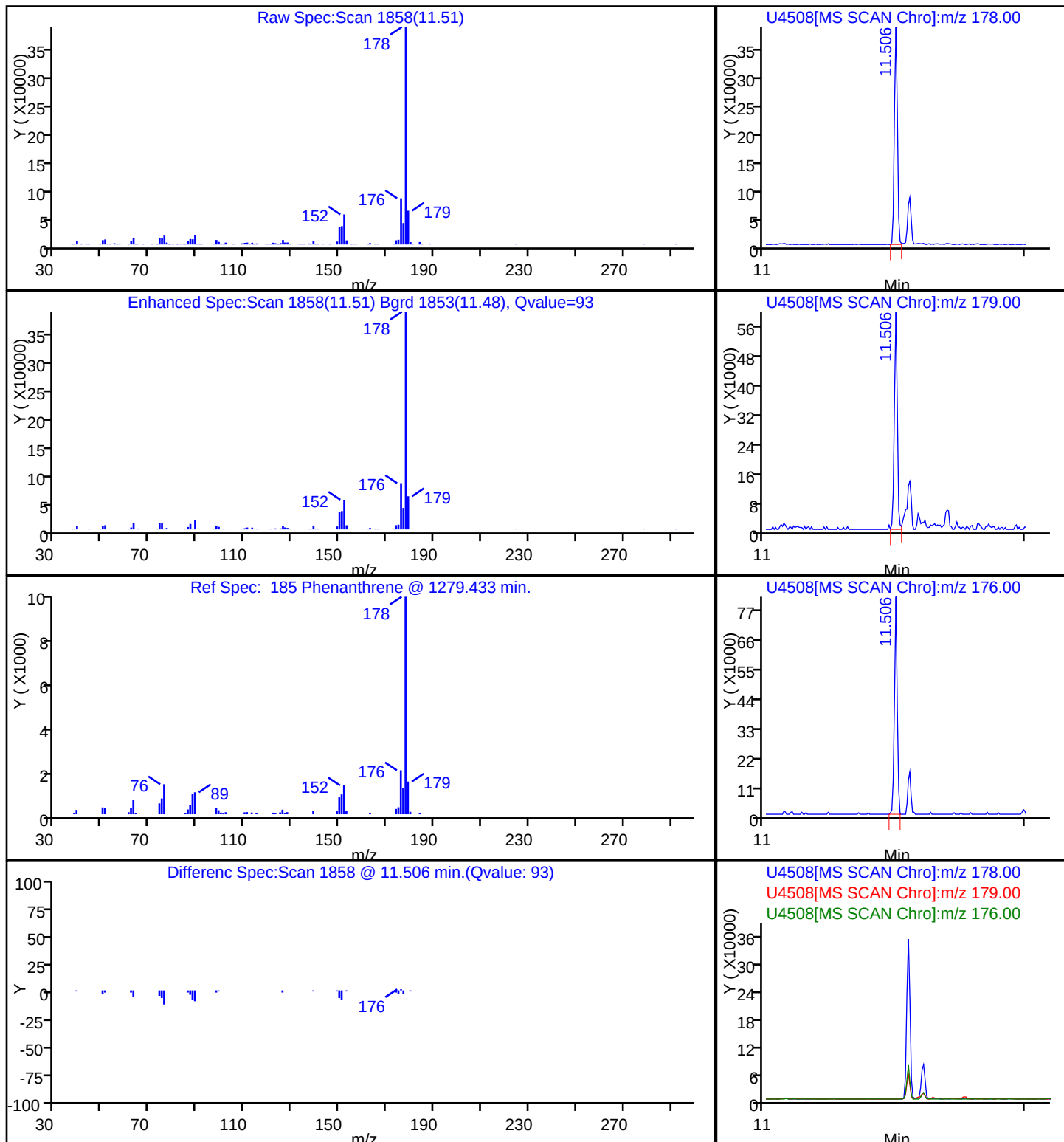
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

185 Phenanthrene



Report Date: 27-Sep-2011 10:11:46

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D

Injection Date: 23-Sep-2011 16:46:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 11

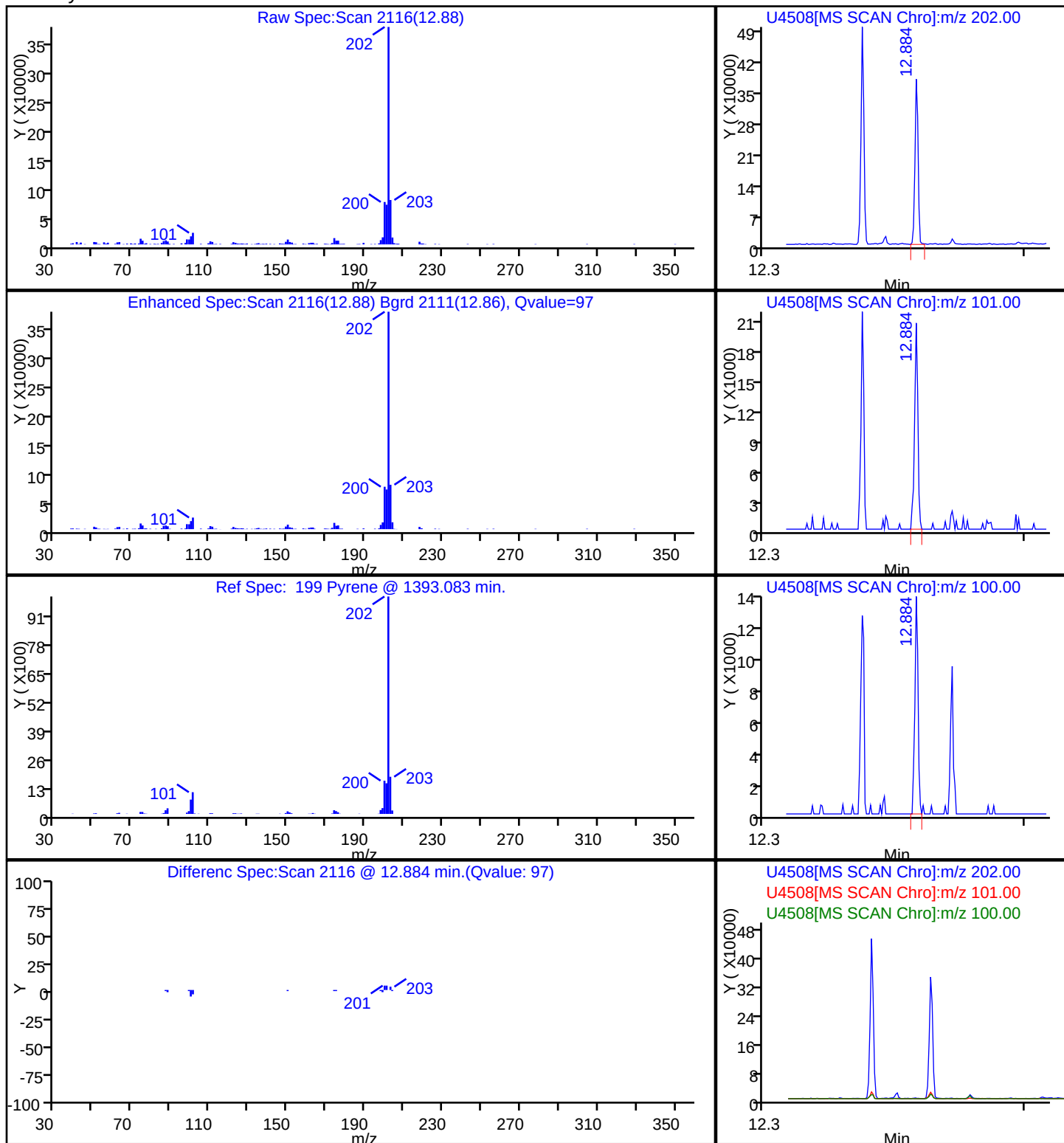
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

199 Pyrene



Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D

Injection Date: 23-Sep-2011 16:46:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 11

Operator ID: RMM

Injection Vol: 1.00 ul

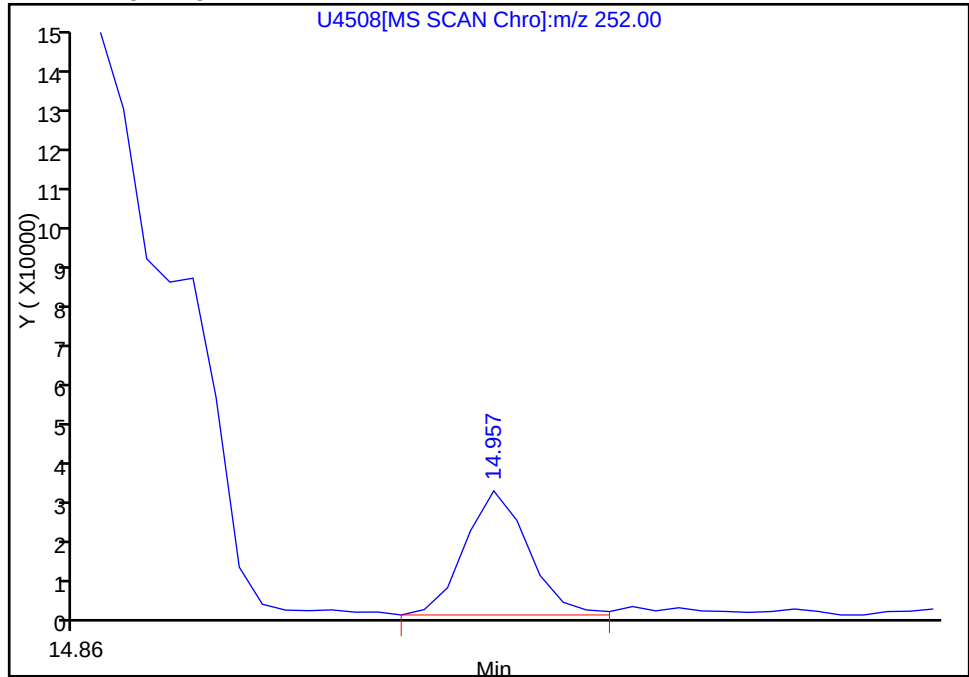
Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

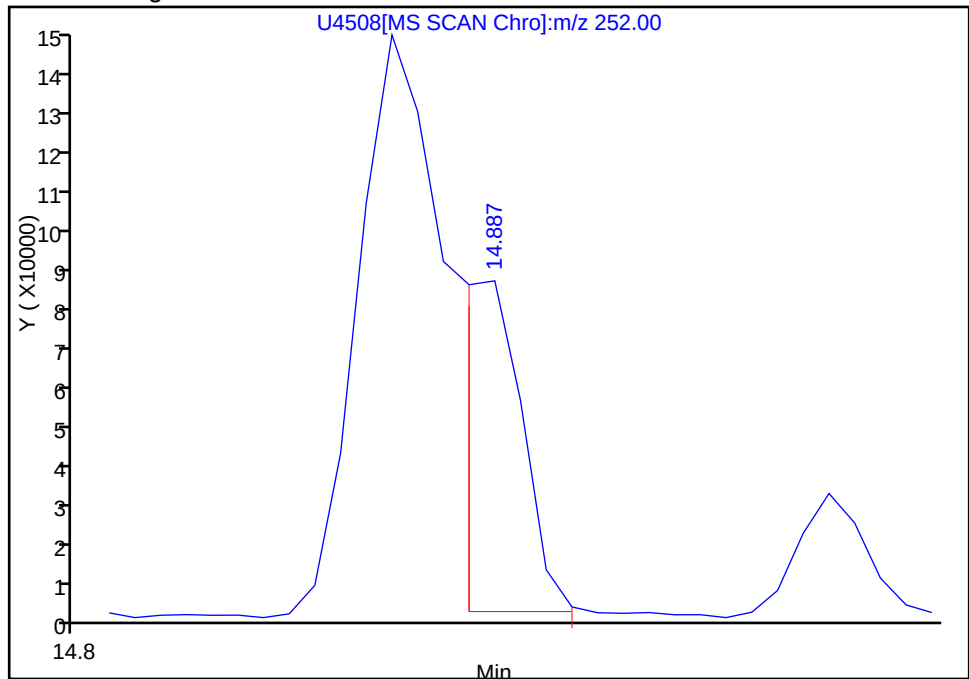
214 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.89

RT: 14.96
Response: 30804
Amount: 2.059891

Processing Integration Results

RT: 14.89
Response: 71202
Amount: 4.761341

Manual Integration Results



Reviewer: mckernar, 26-Sep-2011 09:37:12

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 27-Sep-2011 10:11:46

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D

Injection Date: 23-Sep-2011 16:46:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 11

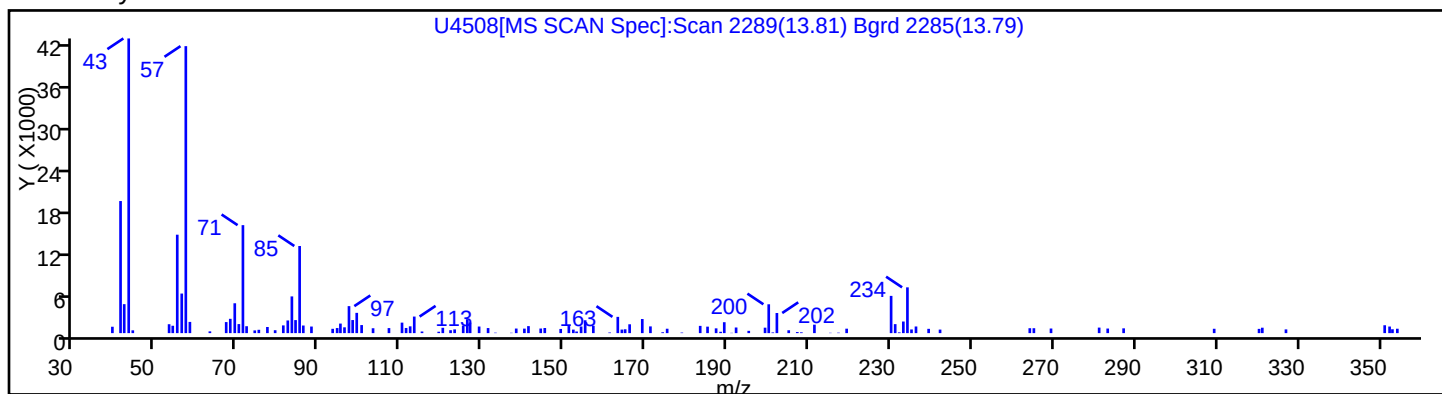
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 10



Report Date: 27-Sep-2011 10:11:46

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D

Injection Date: 23-Sep-2011 16:46:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 11

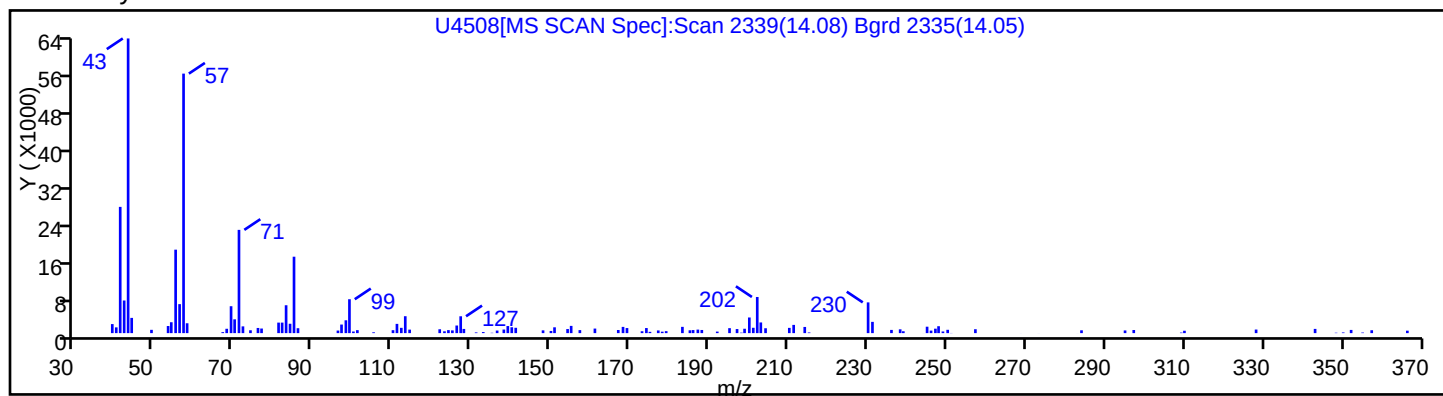
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 10



Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D

Injection Date: 23-Sep-2011 16:46:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 11

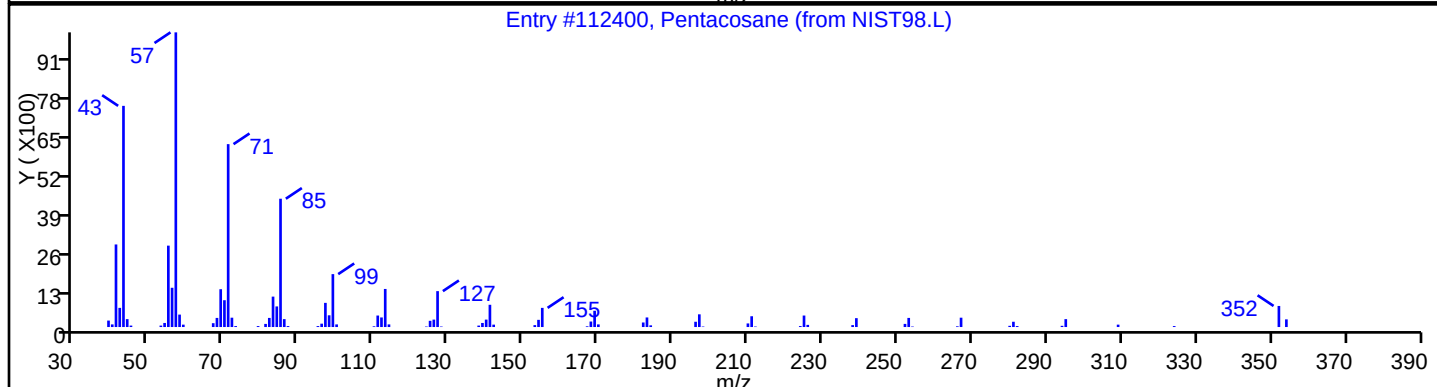
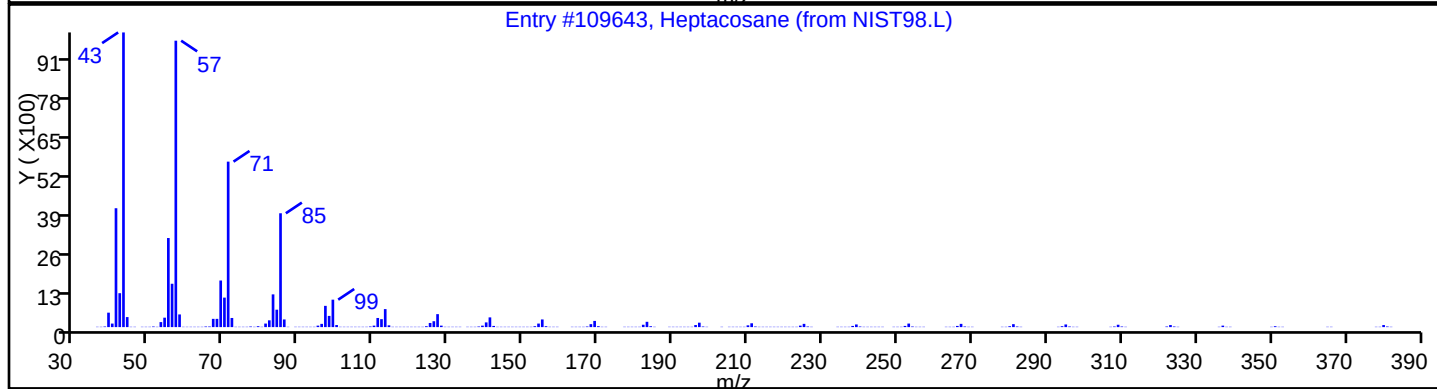
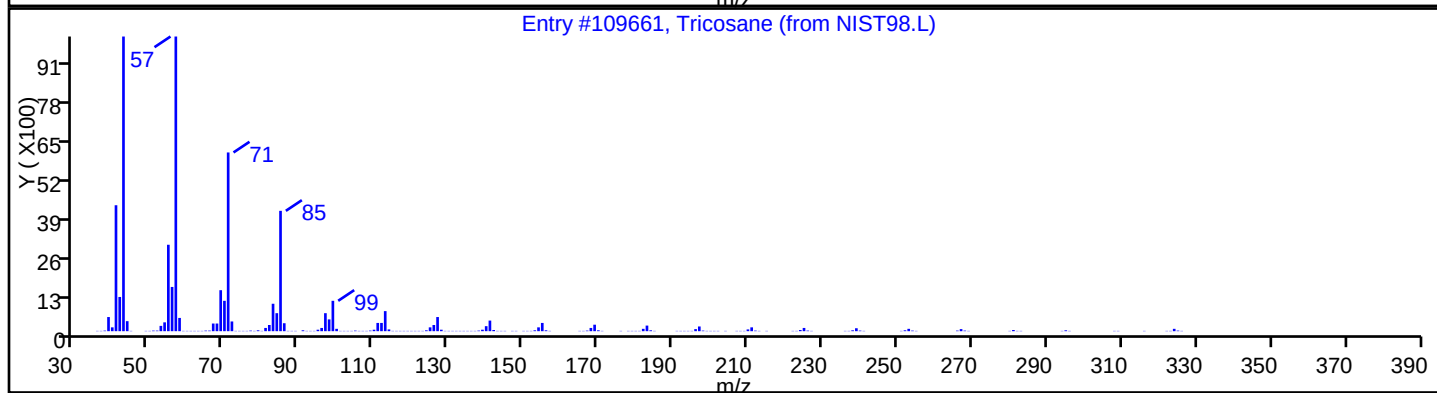
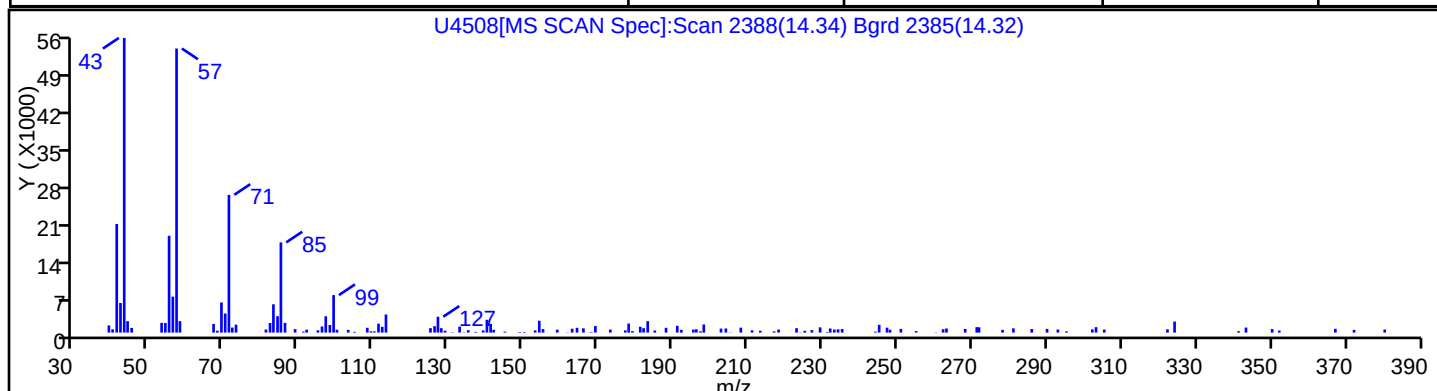
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tricosane	638-67-5	NIST98.L	109661	95
Heptacosane	593-49-7	NIST98.L	109643	94
Pentacosane	629-99-2	NIST98.L	112400	90



Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D

Injection Date: 23-Sep-2011 16:46:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 11

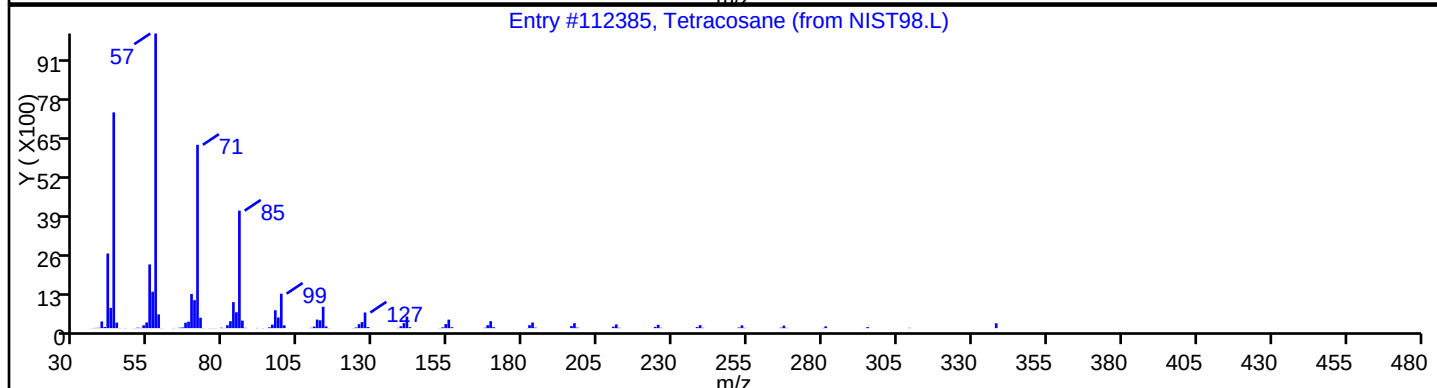
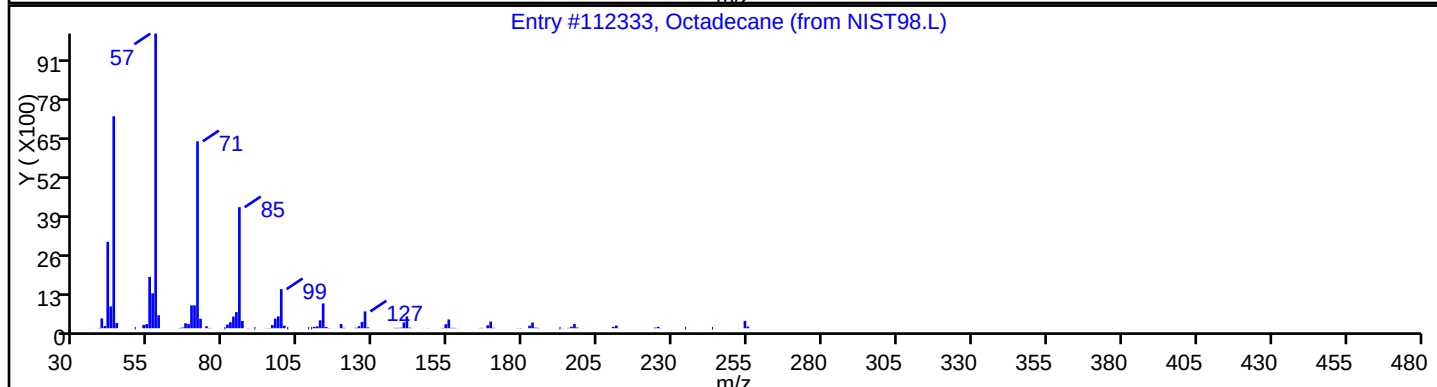
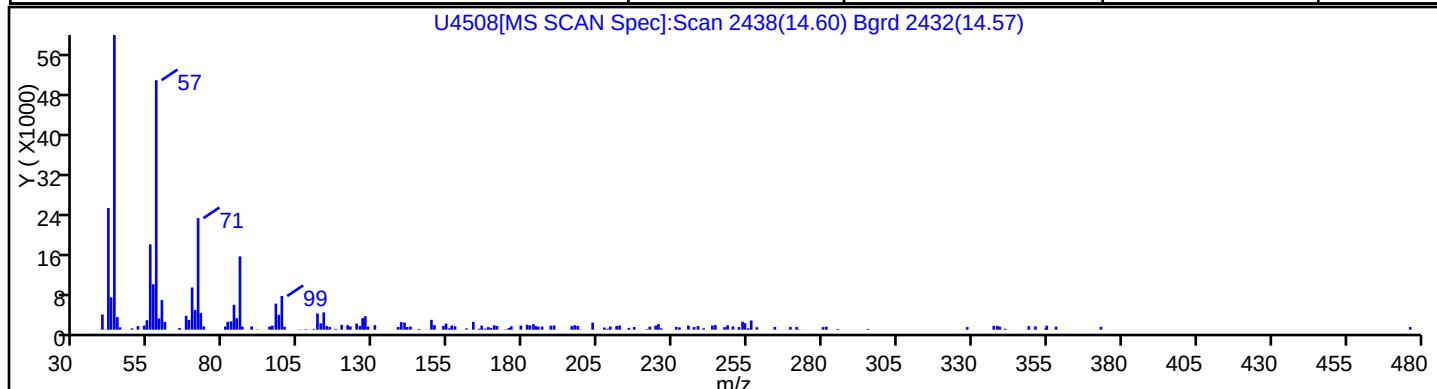
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane	593-45-3	NIST98.L	112333	89
Tetracosane	646-31-1	NIST98.L	112385	89



Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4508.D

Injection Date: 23-Sep-2011 16:46:30

Limit Group: MB - 8270C ICAL

Client ID: SB-C7 (5-9)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 11

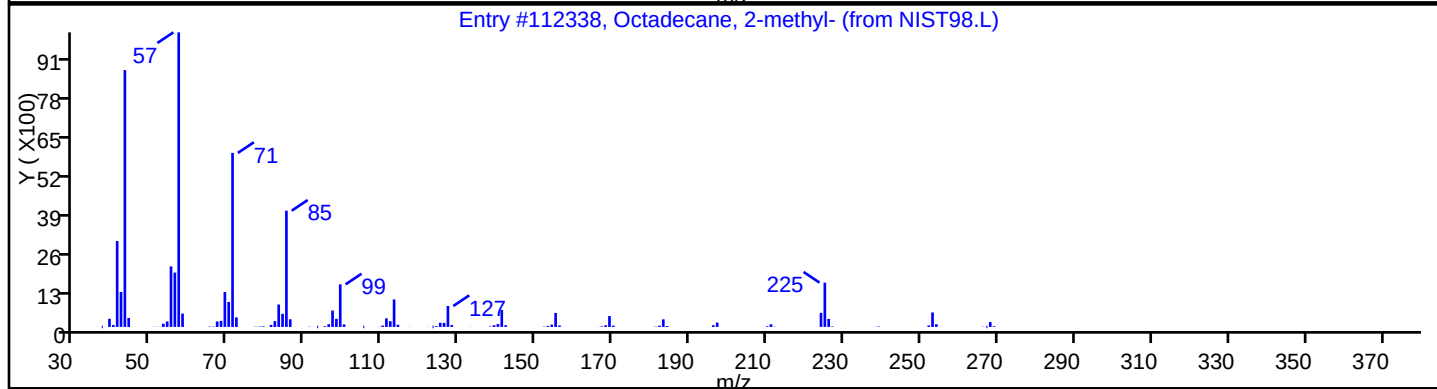
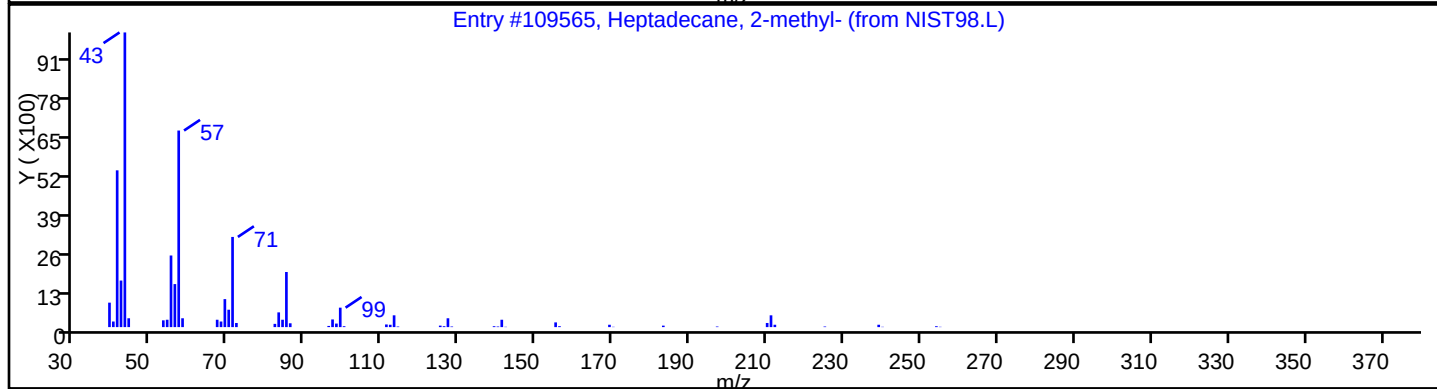
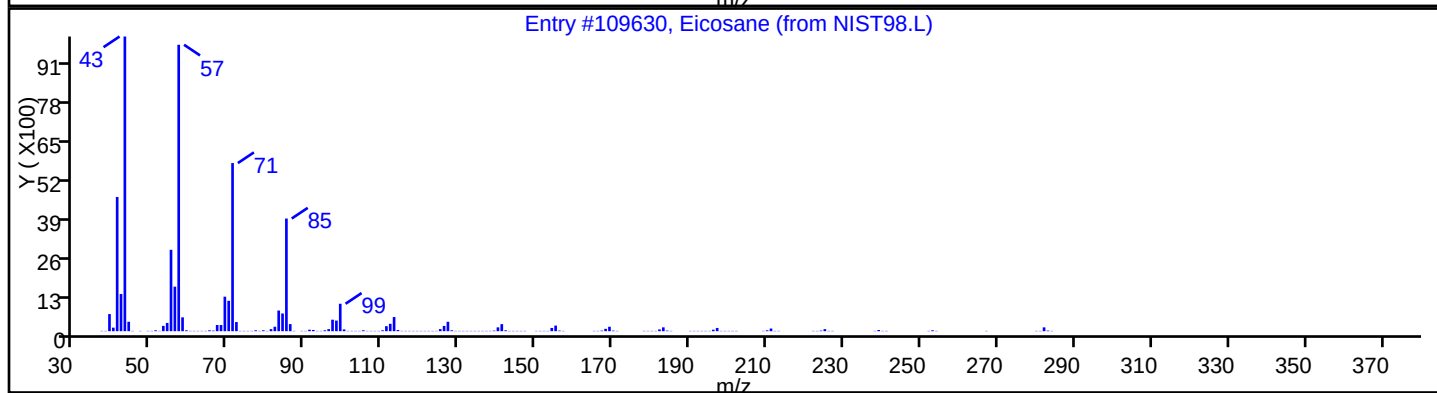
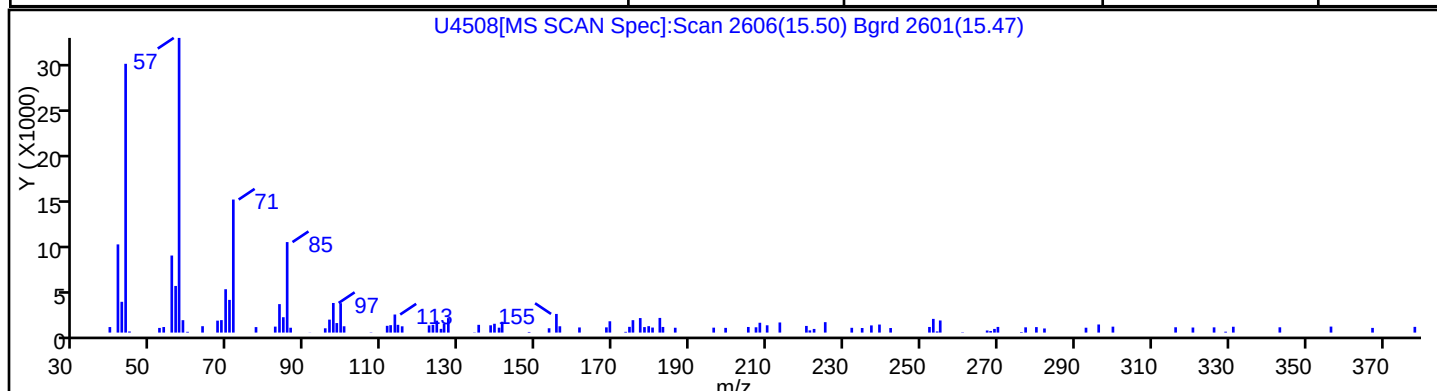
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane	112-95-8	NIST98.L	109630	96
Heptadecane, 2-methyl-	1560-89-0	NIST98.L	109565	90
Octadecane, 2-methyl-	1560-88-9	NIST98.L	112338	90



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-10088-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-53 (5-8)</u>	Lab Sample ID: <u>480-10088-5</u>
Matrix: <u>Solid</u>	Lab File ID: <u>U4509.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/19/2011 13:05</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/22/2011 15:36</u>
Sample wt/vol: <u>+30.81(g)</u>	Date Analyzed: <u>09/23/2011 17:10</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>7.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>32612</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		180	39
88-06-2	2,4,6-Trichlorophenol	ND		180	12
120-83-2	2,4-Dichlorophenol	ND		180	9.3
105-67-9	2,4-Dimethylphenol	ND		180	48
51-28-5	2,4-Dinitrophenol	ND		350	62
121-14-2	2,4-Dinitrotoluene	ND		180	27
606-20-2	2,6-Dinitrotoluene	ND		180	43
91-58-7	2-Chloronaphthalene	ND		180	12
95-57-8	2-Chlorophenol	ND		180	9.0
91-57-6	2-Methylnaphthalene	ND		180	2.1
95-48-7	2-Methylphenol	ND		180	5.5
88-74-4	2-Nitroaniline	ND		350	57
88-75-5	2-Nitrophenol	ND		180	8.1
91-94-1	3,3'-Dichlorobenzidine	ND		180	160
99-09-2	3-Nitroaniline	ND		350	41
534-52-1	4,6-Dinitro-2-methylphenol	ND		350	61
101-55-3	4-Bromophenyl phenyl ether	ND		180	56
59-50-7	4-Chloro-3-methylphenol	ND		180	7.3
106-47-8	4-Chloroaniline	ND		180	52
7005-72-3	4-Chlorophenyl phenyl ether	ND		180	3.8
106-44-5	4-Methylphenol	ND		350	9.9
100-01-6	4-Nitroaniline	ND		350	20
100-02-7	4-Nitrophenol	ND		350	43
83-32-9	Acenaphthene	ND		180	2.1
208-96-8	Acenaphthylene	ND		180	1.5
98-86-2	Acetophenone	ND		180	9.1
120-12-7	Anthracene	ND		180	4.5
1912-24-9	Atrazine	ND		180	7.9
100-52-7	Benzaldehyde	ND		180	19
56-55-3	Benzo(a)anthracene	14	J	180	3.1
50-32-8	Benzo(a)pyrene	11	J	180	4.3
205-99-2	Benzo(b)fluoranthene	16	J	180	3.4
191-24-2	Benzo(g,h,i)perylene	ND		180	2.1
207-08-9	Benzo(k)fluoranthene	5.4	J	180	2.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-10088-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-53 (5-8)</u>	Lab Sample ID: <u>480-10088-5</u>
Matrix: <u>Solid</u>	Lab File ID: <u>U4509.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/19/2011 13:05</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/22/2011 15:36</u>
Sample wt/vol: <u>+30.81(g)</u>	Date Analyzed: <u>09/23/2011 17:10</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>7.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>32612</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		180	11
108-60-1	bis (2-chloroisopropyl) ether	ND		180	19
111-91-1	Bis(2-chloroethoxy)methane	ND		180	9.6
111-44-4	Bis(2-chloroethyl)ether	ND		180	15
117-81-7	Bis(2-ethylhexyl) phthalate	ND		180	57
85-68-7	Butyl benzyl phthalate	ND		180	48
105-60-2	Caprolactam	ND		180	77
86-74-8	Carbazole	ND		180	2.1
218-01-9	Chrysene	12	J	180	1.8
53-70-3	Dibenz(a,h)anthracene	ND		180	2.1
132-64-9	Dibenzofuran	ND		180	1.8
84-66-2	Diethyl phthalate	12	J	180	5.4
131-11-3	Dimethyl phthalate	ND		180	4.6
84-74-2	Di-n-butyl phthalate	ND		180	61
117-84-0	Di-n-octyl phthalate	ND		180	4.1
206-44-0	Fluoranthene	17	J	180	2.6
86-73-7	Fluorene	ND		180	4.1
118-74-1	Hexachlorobenzene	ND		180	8.8
87-68-3	Hexachlorobutadiene	ND		180	9.1
77-47-4	Hexachlorocyclopentadiene	ND		180	54
67-72-1	Hexachloroethane	ND		180	14
193-39-5	Indeno(1,2,3-cd)pyrene	ND		180	4.9
78-59-1	Isophorone	ND		180	8.9
91-20-3	Naphthalene	ND		180	3.0
98-95-3	Nitrobenzene	ND		180	7.9
621-64-7	N-Nitrosodi-n-propylamine	ND		180	14
86-30-6	N-Nitrosodiphenylamine	ND		180	9.7
87-86-5	Pentachlorophenol	ND		350	61
85-01-8	Phenanthrene	9.7	J	180	3.7
108-95-2	Phenol	ND		180	19
129-00-0	Pyrene	ND		180	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: MW-53 (5-8) Lab Sample ID: 480-10088-5
Matrix: Solid Lab File ID: U4509.D
Analysis Method: 8270C Date Collected: 09/19/2011 13:05
Extract. Method: 3550B Date Extracted: 09/22/2011 15:36
Sample wt/vol: +30.81(g) Date Analyzed: 09/23/2011 17:10
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 7.3 GPC Cleanup: (Y/N) N
Analysis Batch No.: 32612 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	99		39-146
321-60-8	2-Fluorobiphenyl	80		37-120
367-12-4	2-Fluorophenol	71		18-120
4165-60-0	Nitrobenzene-d5	76		34-132
4165-62-2	Phenol-d5	77		11-120
1718-51-0	p-Terphenyl-d14	94		58-147

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: MW-53 (5-8) Lab Sample ID: 480-10088-5
Matrix: Solid Lab File ID: U4509.D
Analysis Method: 8270C Date Collected: 09/19/2011 13:05
Extract. Method: 3550B Date Extracted: 09/22/2011 15:36
Sample wt/vol: +30.81(g) Date Analyzed: 09/23/2011 17:10
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 7.3 GPC Cleanup: (Y/N) N
Analysis Batch No.: 32612 Units: ug/Kg
Number TICs Found: 9 TIC Result Total: 3270

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	2.38	240	T J
79-34-5	Ethane, 1,1,2,2-tetrachloro-	4.57	190	T J N
630-2-4	Octacosane	13.53	210	T J N
1560-88-9	Octadecane, 2-methyl-	13.81	380	T J N
71005-15-7	Pentadecane, 8-heptyl-	14.08	480	T J N
638-67-5	Tricosane	14.34	500	T J N
638-67-5	Tricosane	14.60	750	T J N
	Unknown	15.50	290	T J
	Unknown	15.86	230	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4509.D
 Lims ID: 480-10088-E-5-A Client ID: MW-53 (5-8)
 Inject. Date: 23-Sep-2011 17:10:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0006193-012
 Misc. Info.: 480-10088-E-5-A
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 32612 Lims Sample ID: 12
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U-8270.m
 Last Update: 27-Sep-2011 10:12:55 Calib Date: 14-Sep-2011 21:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 26-Sep-2011 09:39:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.779	5.773	0.006	97	121973	40.0	
* 2 Naphthalene-d8	136	7.504	7.499	0.005	99	496525	40.0	
* 3 Acenaphthene-d10	164	9.775	9.775	0.0	97	328778	40.0	
* 4 Phenanthrene-d10	188	11.479	11.479	0.0	97	552305	40.0	
* 5 Chrysene-d12	240	13.953	13.952	0.0	96	508347	40.0	
* 6 Perylene-d12	264	15.219	15.219	0.0	96	553621	40.0	
\$ 9 2-Fluorophenol	112	3.914	3.914	0.0	95	366960	106.4	
\$ 10 Phenol-d5	99	5.325	5.325	0.0	78	482750	116.1	
\$ 11 Nitrobenzene-d5	82	6.543	6.543	0.0	87	351018	75.9	
\$ 12 2-Fluorobiphenyl	172	8.925	8.925	0.0	99	849537	80.0	
\$ 13 2,4,6-Tribromophenol	330	10.731	10.731	0.0	96	245484	148.6	
\$ 14 p-Terphenyl-d14	244	13.023	13.023	0.0	96	1071471	93.9	
88 Benzaldehyde	77		5.148					
89 Phenol	94		5.346					
91 Bis(2-chloroethyl)ether	93		5.410					
93 2-Chlorophenol	128		5.496					
99 2,2'-oxybis[1-chloropropane]	45		6.174					
98 2-Methylphenol	108		6.180					
104 Acetophenone	105		6.340					
101 N-Nitrosodi-n-propylamine	70		6.356					
102 4-Methylphenol	108		6.399					
106 Hexachloroethane	117		6.473					
107 Nitrobenzene	77		6.564					
110 Isophorone	82		6.895					
111 2-Nitrophenol	139		7.002					
112 2,4-Dimethylphenol	107		7.109					
115 Bis(2-chloroethoxy)methane	93		7.205					
117 2,4-Dichlorophenol	162		7.344					
121 Naphthalene	128		7.531					
123 4-Chloroaniline	127		7.622					
126 Hexachlorobutadiene	225		7.723					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113		8.033					
131 4-Chloro-3-methylphenol	107		8.295					
133 2-Methylnaphthalene	142		8.439					
136 Hexachlorocyclopentadiene	237		8.664					
139 2,4,6-Trichlorophenol	196		8.829					
140 2,4,5-Trichlorophenol	196		8.883					
144 1,1'-Biphenyl	154	9.048	9.048	0.0	1	1071	0.0851	
143 2-Chloronaphthalene	162		9.064					
145 2-Nitroaniline	65		9.209					
147 Dimethyl phthalate	163		9.454					
148 2,6-Dinitrotoluene	165		9.518					
149 Acenaphthylene	152		9.593					
150 3-Nitroaniline	138		9.737					
151 Acenaphthene	153		9.818					
152 2,4-Dinitrophenol	184		9.871					
153 4-Nitrophenol	109		10.005					
154 2,4-Dinitrotoluene	165		10.031					
155 Dibenzofuran	168		10.037					
160 Diethyl phthalate	149	10.330	10.336	-0.006	1	3879	0.3377	
161 Fluorene	166		10.448					
162 4-Chlorophenyl phenyl ether	204		10.453					
164 4-Nitroaniline	138		10.491					
166 4,6-Dinitro-2-methylphenol	198		10.528					
167 N-Nitrosodiphenylamine	169		10.592					
176 4-Bromophenyl phenyl ether	248		11.004					
177 Hexachlorobenzene	284		11.089					
180 Atrazine	200		11.196					
181 Pentachlorophenol	266		11.308					
185 Phenanthrene	178	11.506	11.511	-0.005	1	4298	0.2783	
188 Anthracene	178		11.559					
189 Carbazole	167		11.735					
192 Di-n-butyl phthalate	149		12.083					
197 Fluoranthene	202	12.676	12.681	-0.005	24	8606	0.4967	
199 Pyrene	202		12.889					
205 Butyl benzyl phthalate	149		13.445					
208 3,3'-Dichlorobenzidine	252		13.915					
210 Bis(2-ethylhexyl) phthalate	149	13.926	13.931	-0.005	54	5000	0.5594	
209 Benzo[a]anthracene	228	13.942	13.947	-0.005	12	6120	0.4076	
211 Chrysene	228	13.969	13.979	-0.010	8	4845	0.3481	
212 Di-n-octyl phthalate	149		14.455					
213 Benzo[b]fluoranthene	252	14.866	14.871	-0.005	14	7960	0.4705	
214 Benzo[k]fluoranthene	252	14.887	14.893	-0.006	0	2649	0.1535	M
217 Benzo[a]pyrene	252	15.165	15.171	-0.006	50	4247	0.3021	
220 Dibenz(a,h)anthracene	278		16.335					
219 Indeno[1,2,3-cd]pyrene	276		16.335					
221 Benzo[g,h,i]perylene	276		16.656					

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4509.D
 Lims ID: 480-10088-E-5-A Client ID: MW-53 (5-8)
 Inject. Date: 23-Sep-2011 17:10:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0006193-012
 Misc. Info.: 480-10088-E-5-A
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 32612 Lims Sample ID: 12
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U-8270.m
 Last Update: 27-Sep-2011 10:12:55 Calib Date: 14-Sep-2011 21:40:30
 Tic RT Window: 1.500 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\Bufchrom\ChromData\Database\NIST98.L
 Min. Match: 10
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 26-Sep-2011 09:39:14

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags

Unknown						
2.376	155307	6.94	1			
79-34-5	Ethane, 1,1,2,2-tetrachloro-					
4.566	121595	5.43	1	89	116494	
630-2-4	Octacosane					
13.525	201512	6.01	5	87	112312	
1560-88-9	Octadecane, 2-methyl-					
13.808	362309	10.8	5	91	109628	
71005-15-7	Pentadecane, 8-heptyl-					
14.075	456159	13.6	5	91	112397	
638-67-5	Tricosane					
14.337	478211	14.3	5	97	109661	
638-67-5	Tricosane					
14.604	730887	21.3	6	98	109661	
Unknown						
15.502	286725	8.37	6			
Unknown						
15.860	227128	6.63	6			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL

* 1 1,4-Dichlorobenzene-d4	5.779	895282	40.0
* 5 Chrysene-d12	13.953	1341028	40.0

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4509.D

Compound	RT	Response	Amount ng/uL
* 6 Perylene-d12	15.219	1370227	40.0

QC Flag Legend

Processing Flags

Report Date: 27-Sep-2011 10:12:55

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4509.D

Injection Date: 23-Sep-2011 17:10:30

Limit Group: MB - 8270C ICAL

Client ID: MW-53 (5-8)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 12

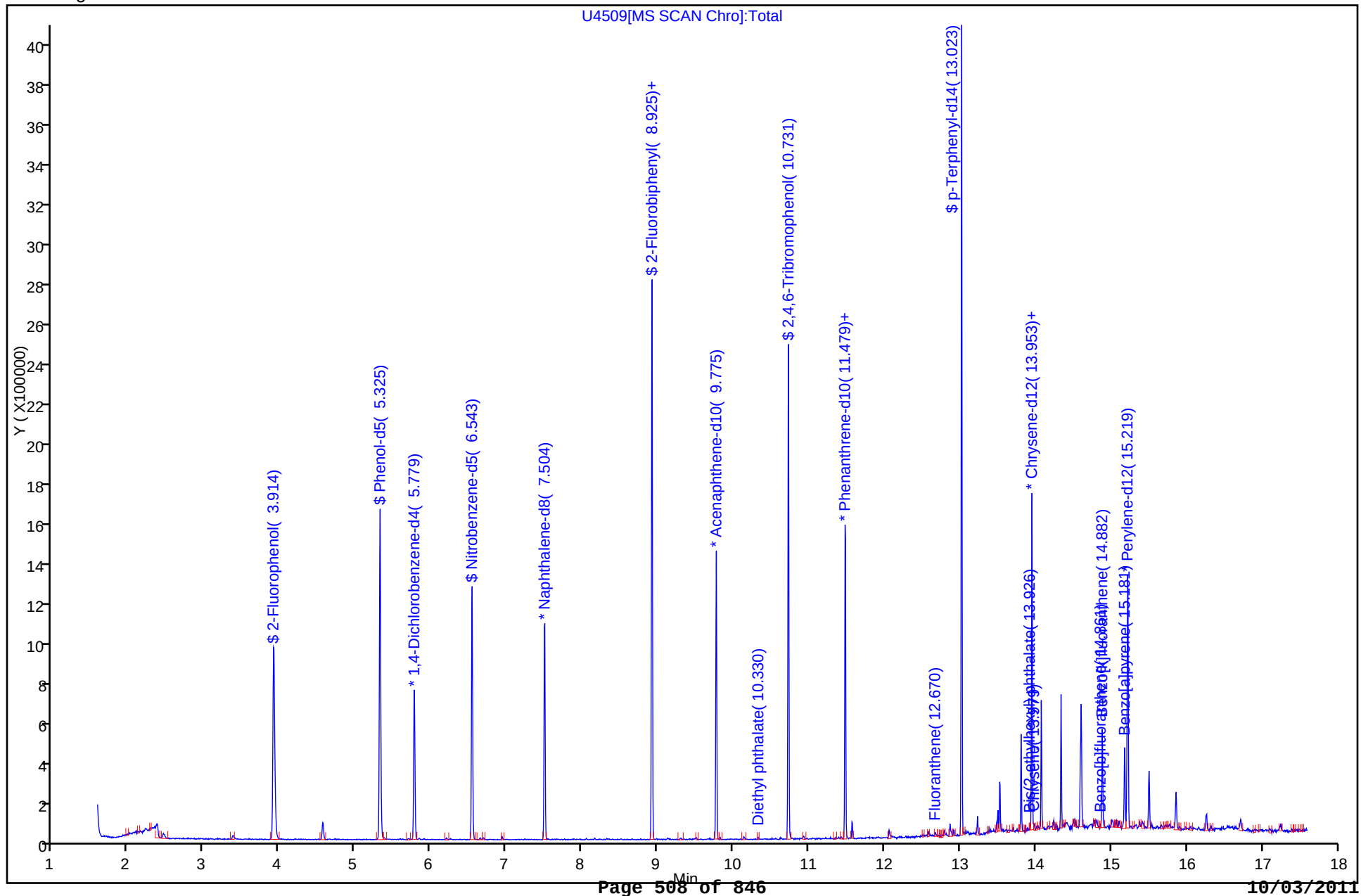
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



Report Date: 27-Sep-2011 10:12:55

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4509.D

Injection Date: 23-Sep-2011 17:10:30

Limit Group: MB - 8270C ICAL

Client ID: MW-53 (5-8)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 12

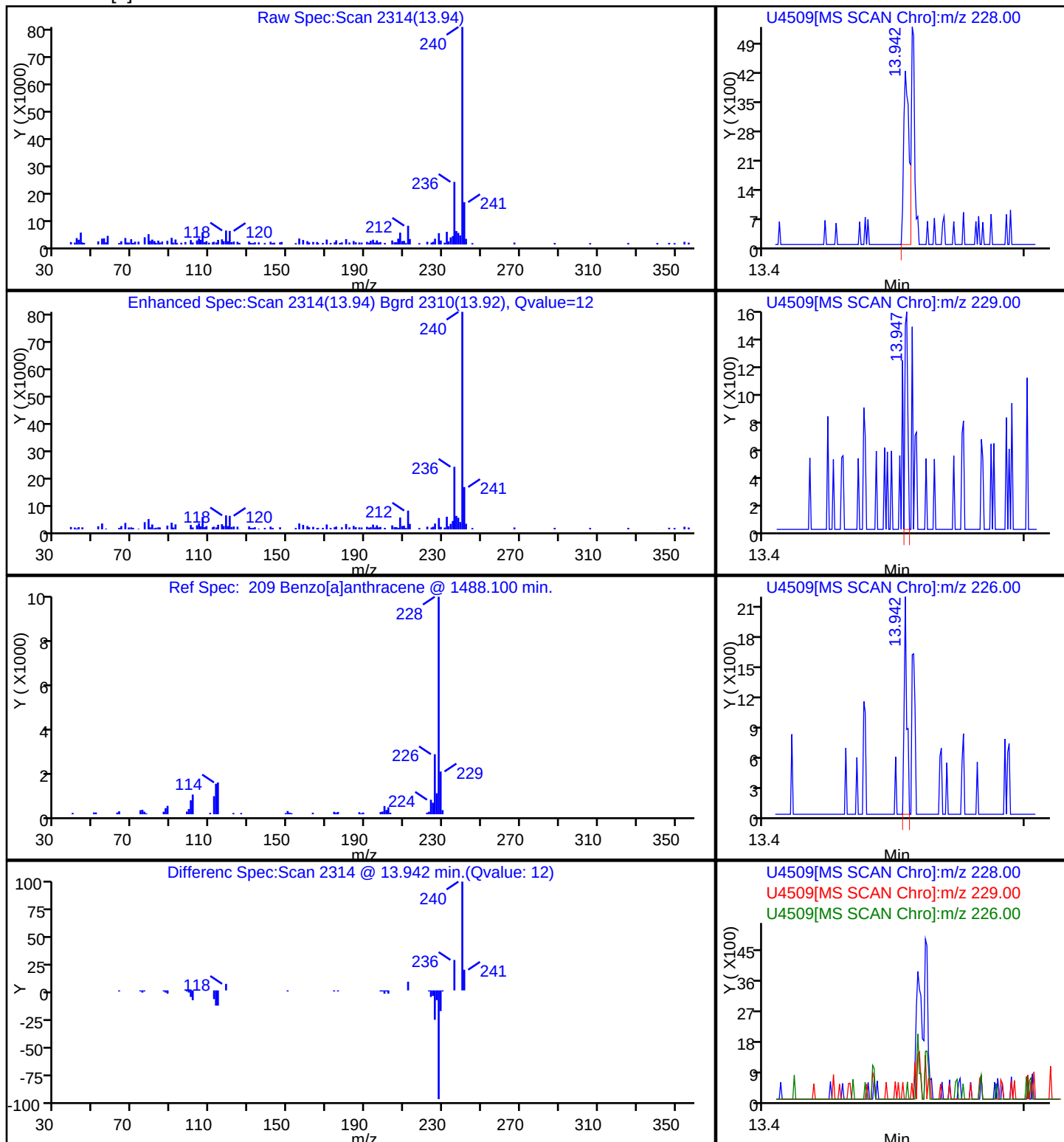
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

209 Benzo[a]anthracene



Report Date: 27-Sep-2011 10:12:56

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4509.D

Injection Date: 23-Sep-2011 17:10:30

Limit Group: MB - 8270C ICAL

Client ID: MW-53 (5-8)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 12

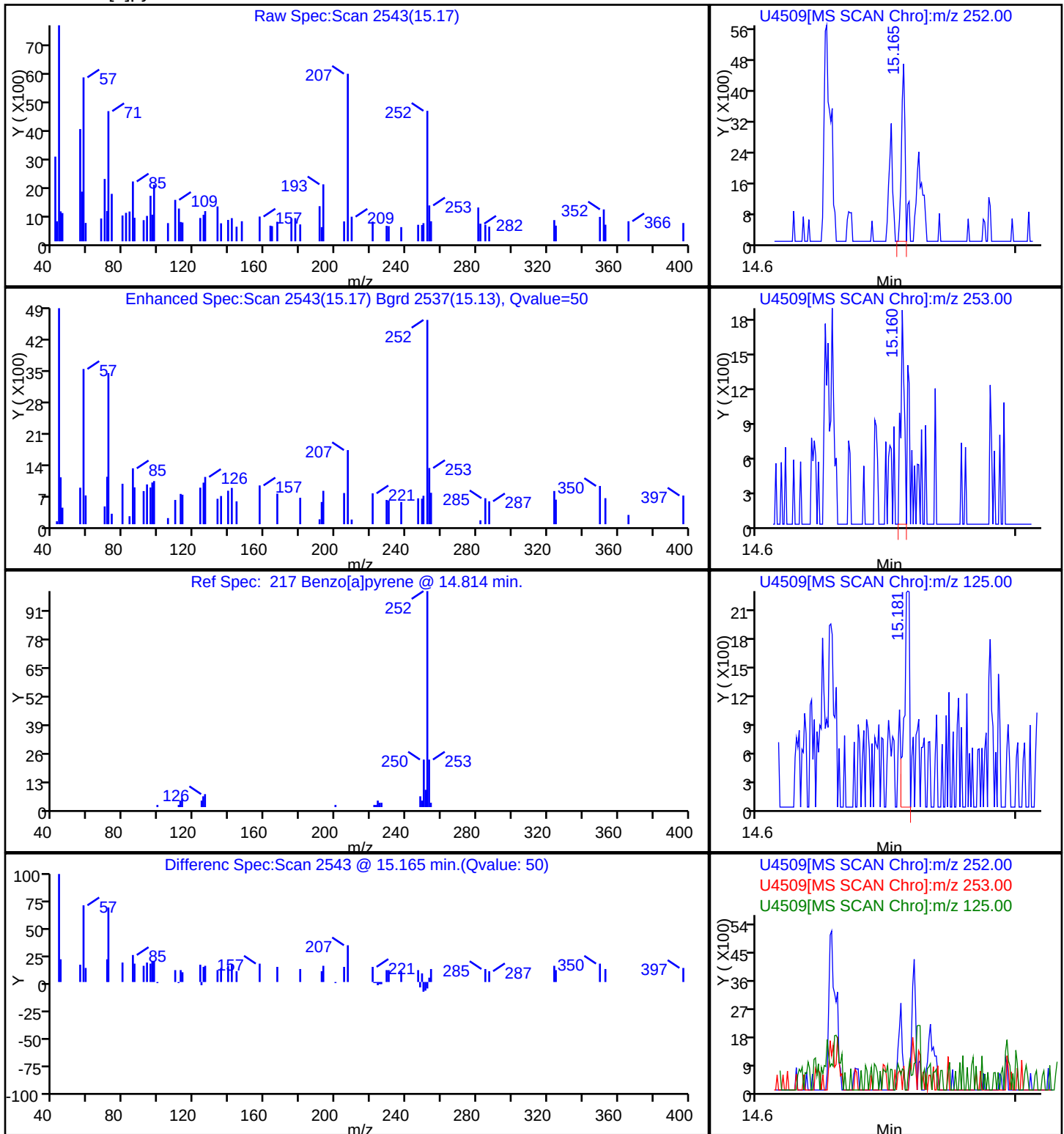
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

217 Benzo[a]pyrene



Report Date: 27-Sep-2011 10:12:55

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4509.D

Injection Date: 23-Sep-2011 17:10:30

Limit Group: MB - 8270C ICAL

Client ID: MW-53 (5-8)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 12

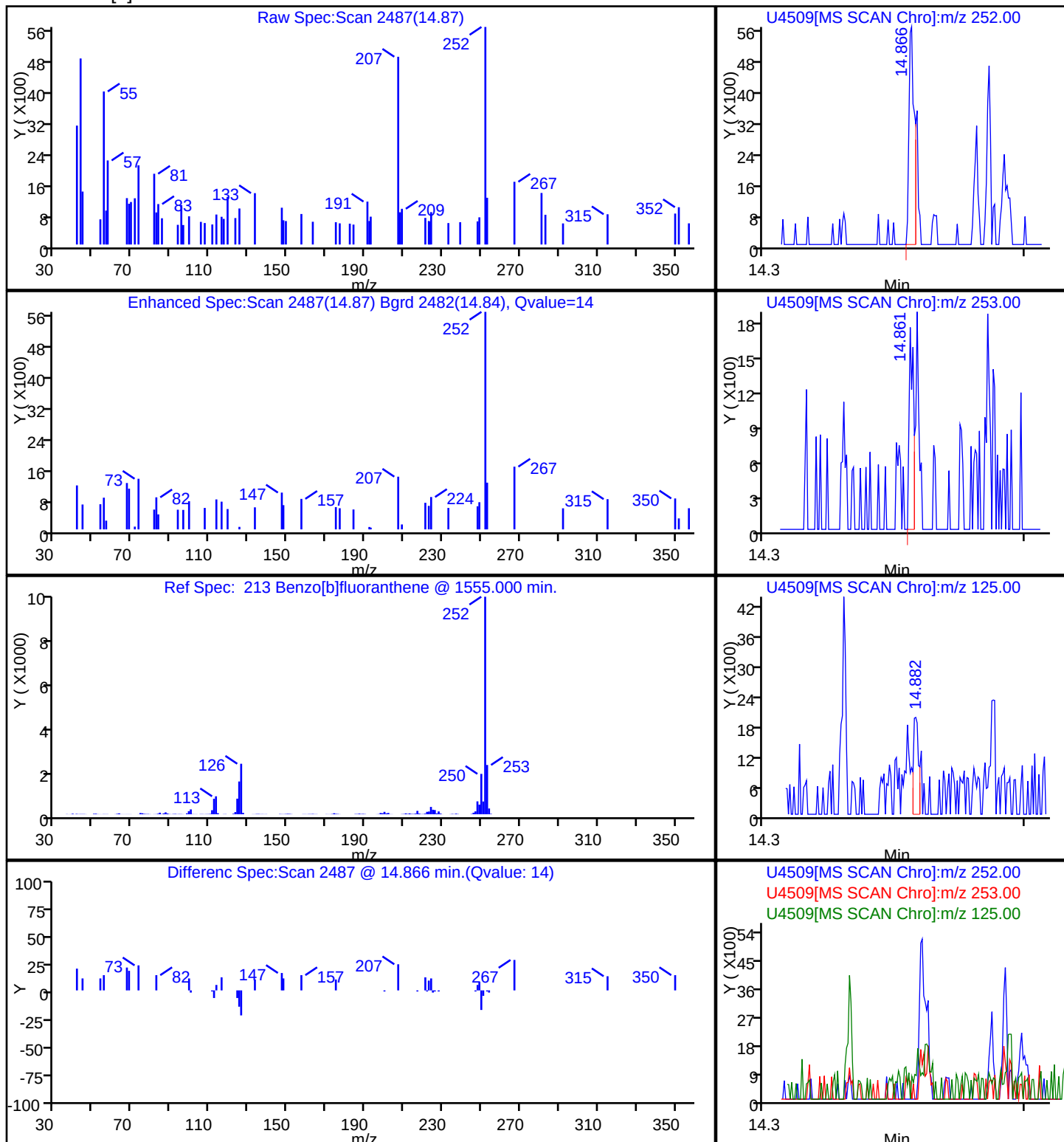
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

213 Benzo[b]fluoranthene



Report Date: 27-Sep-2011 10:12:55

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4509.D

Injection Date: 23-Sep-2011 17:10:30

Limit Group: MB - 8270C ICAL

Client ID: MW-53 (5-8)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 12

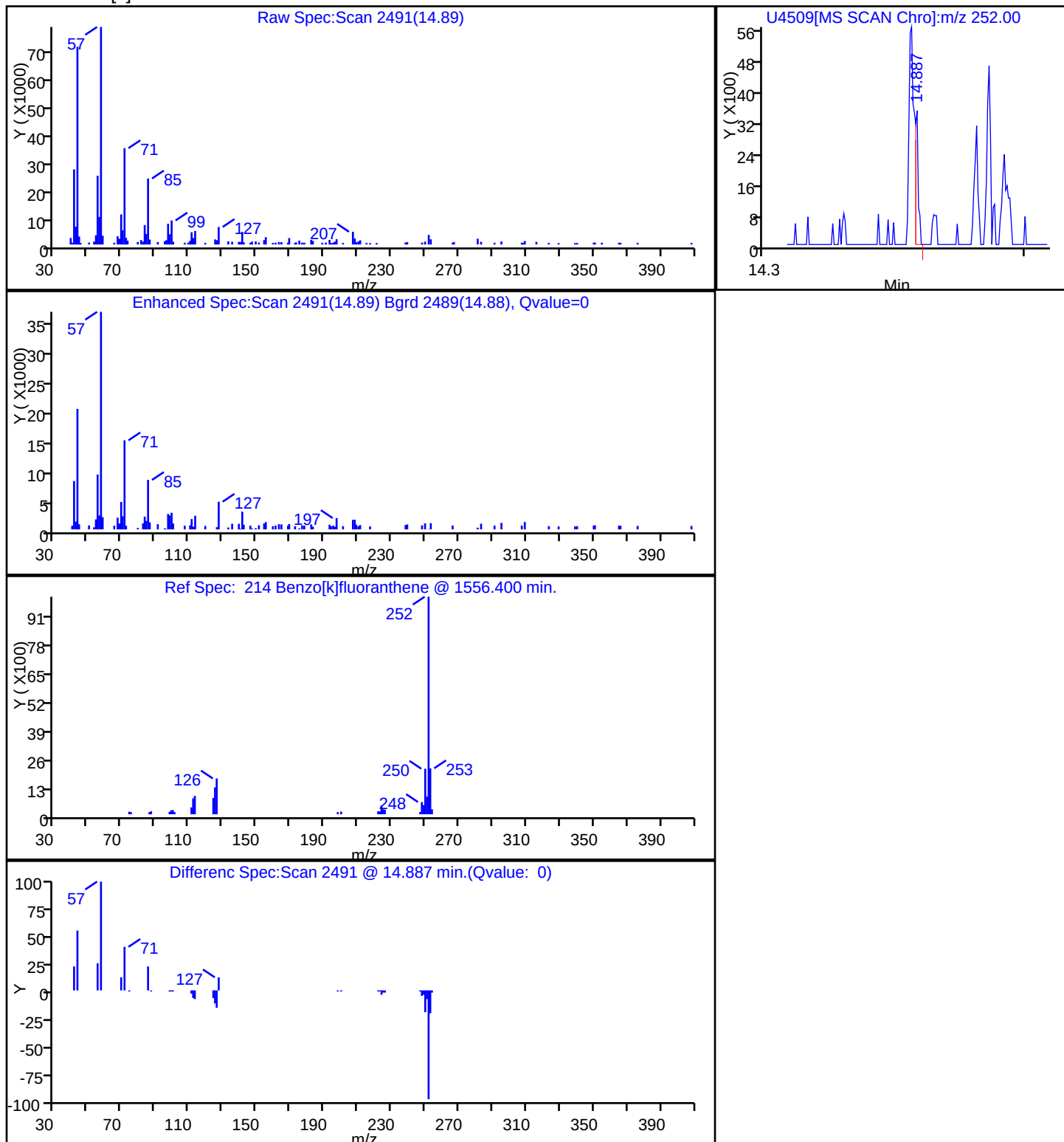
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

214 Benzo[k]fluoranthene



Report Date: 27-Sep-2011 10:12:55

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4509.D

Injection Date: 23-Sep-2011 17:10:30

Limit Group: MB - 8270C ICAL

Client ID: MW-53 (5-8)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 12

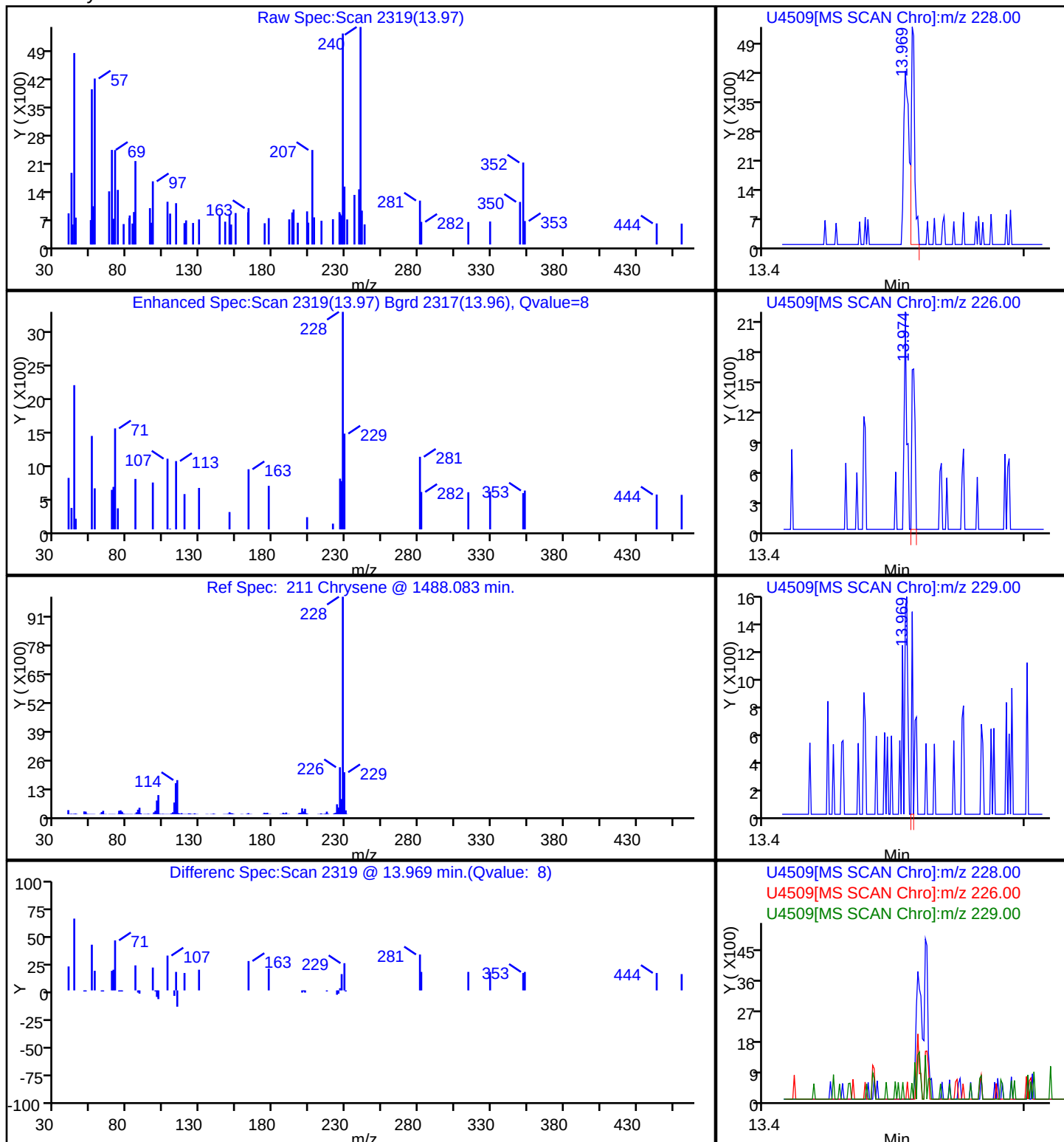
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

211 Chrysene



Report Date: 27-Sep-2011 10:12:55

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4509.D

Injection Date: 23-Sep-2011 17:10:30

Limit Group: MB - 8270C ICAL

Client ID: MW-53 (5-8)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 12

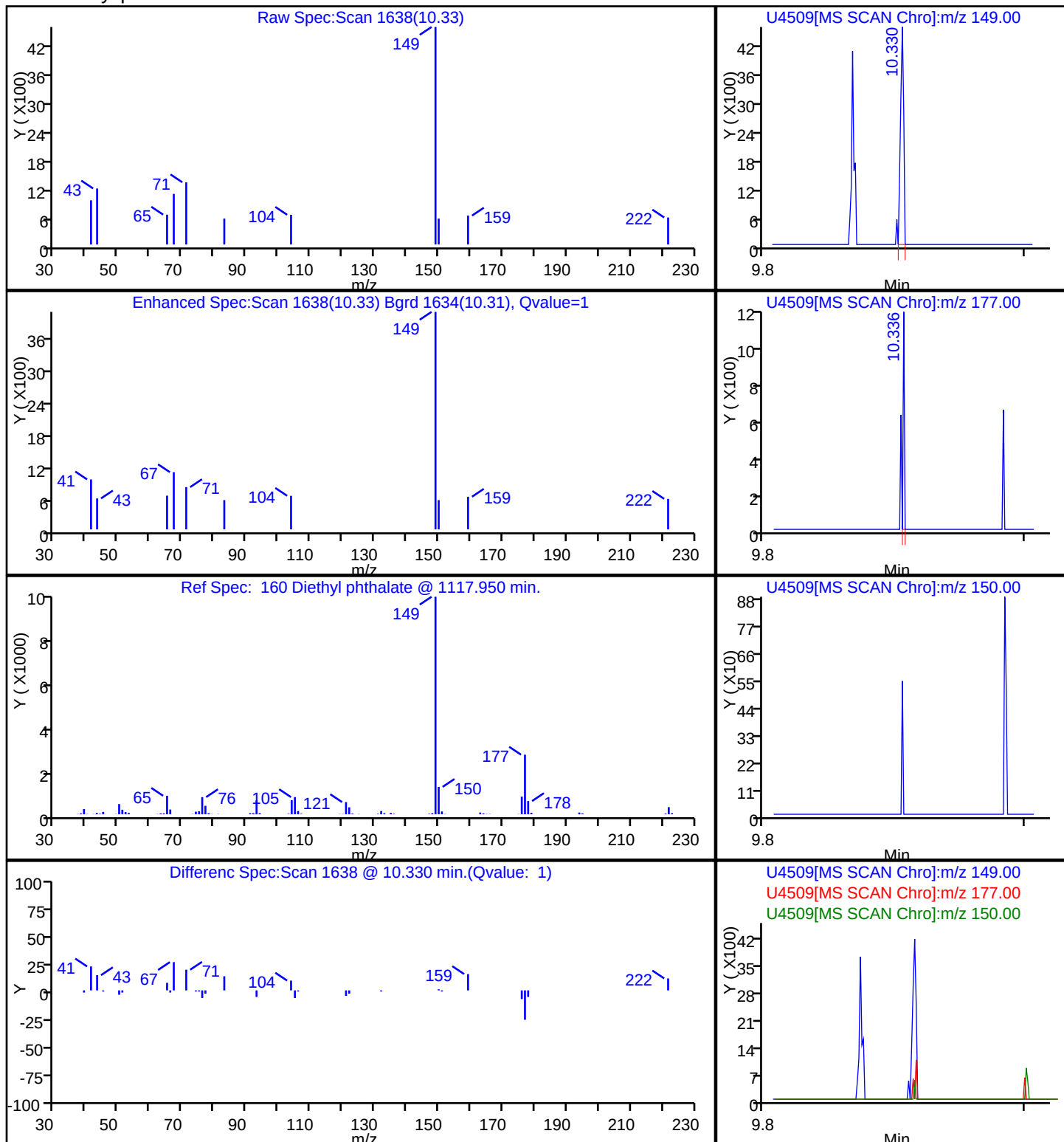
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

160 Diethyl phthalate



Report Date: 27-Sep-2011 10:12:55

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4509.D

Injection Date: 23-Sep-2011 17:10:30

Limit Group: MB - 8270C ICAL

Client ID: MW-53 (5-8)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 12

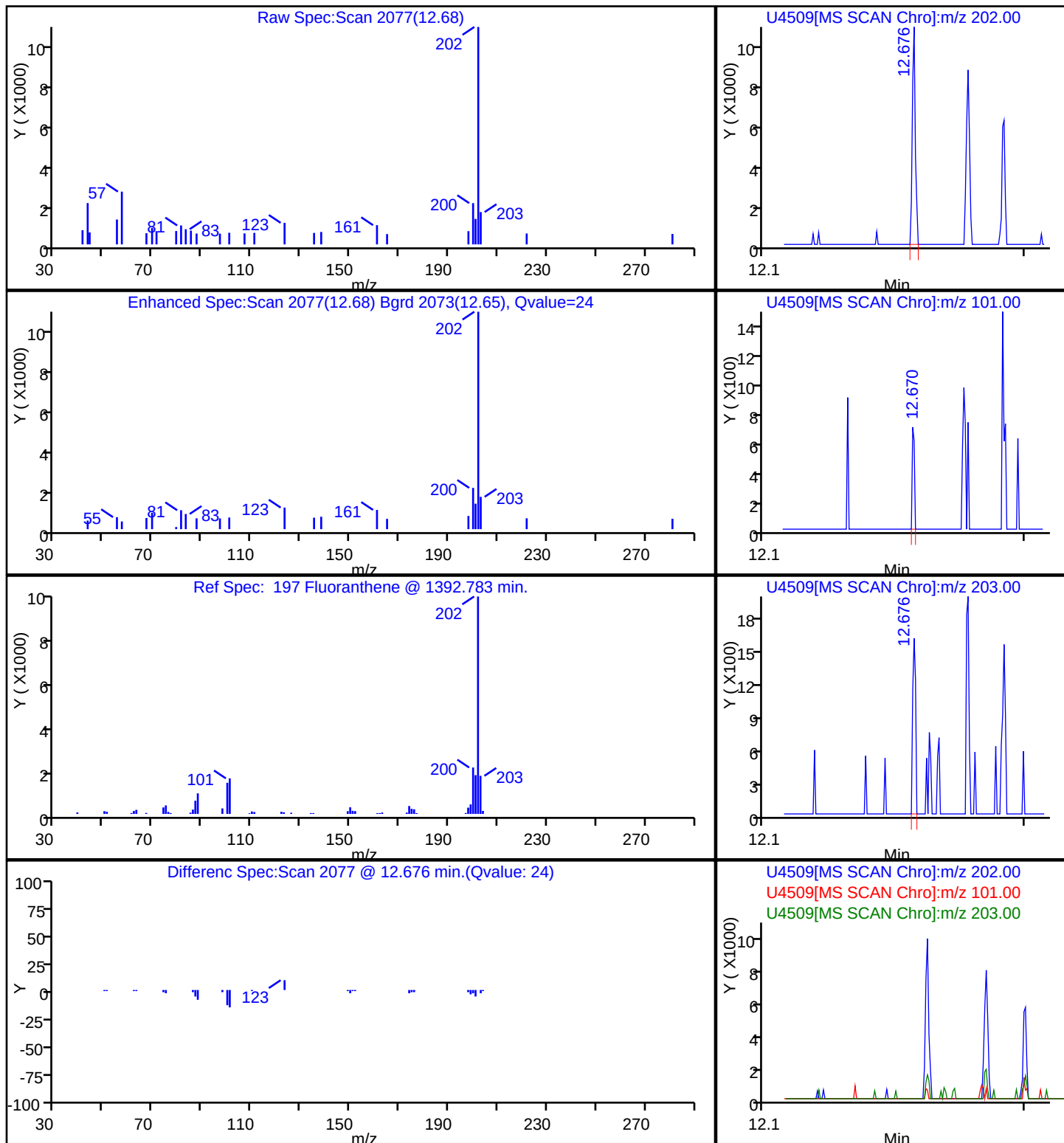
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

197 Fluoranthene



Report Date: 27-Sep-2011 10:12:55

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4509.D

Injection Date: 23-Sep-2011 17:10:30

Limit Group: MB - 8270C ICAL

Client ID: MW-53 (5-8)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 12

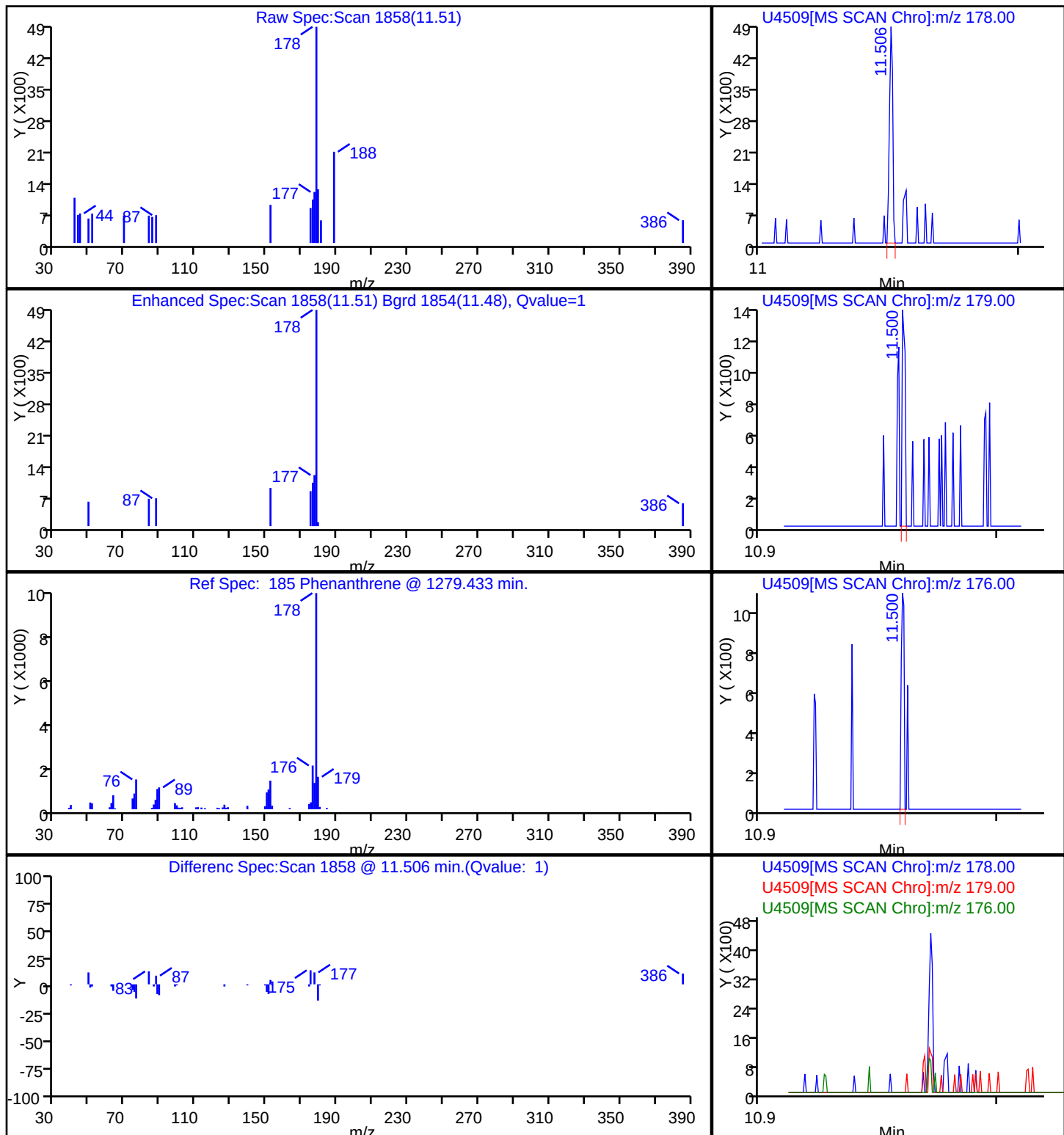
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

185 Phenanthrene



Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4509.D

Injection Date: 23-Sep-2011 17:10:30

Limit Group: MB - 8270C ICAL

Client ID: MW-53 (5-8)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 12

Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

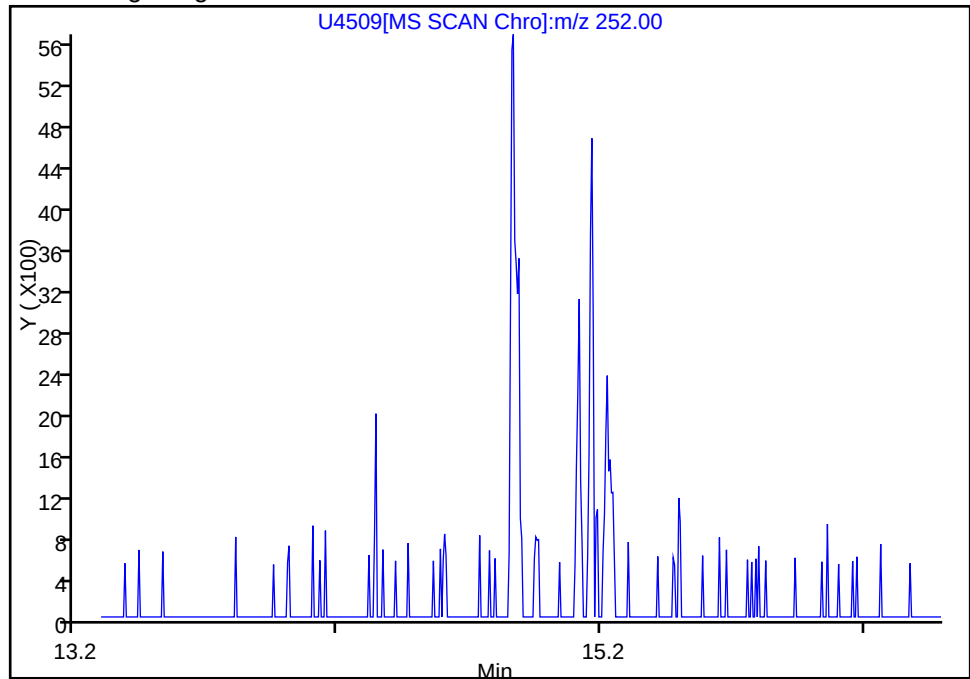
Column Dia: 0.25 mm

214 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.89

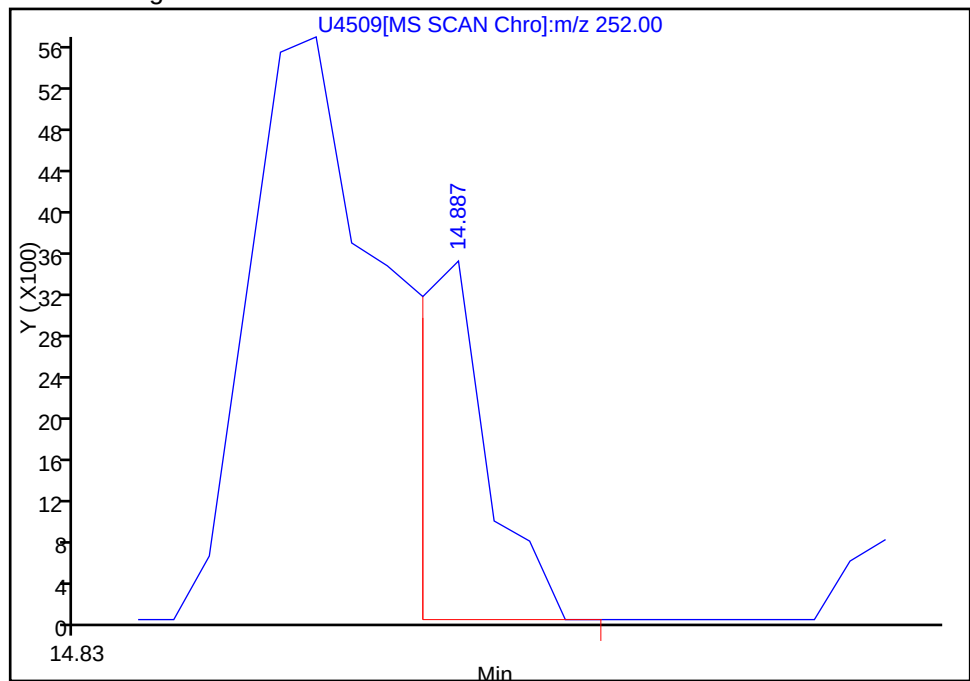
Not Detected

Expected RT: 14.89

Processing Integration Results



Manual Integration Results



RT: 14.89

Response: 2649

Amount: 0.153528

Reviewer: mckernar, 26-Sep-2011 09:39:14

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 27-Sep-2011 10:12:56

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4509.D

Injection Date: 23-Sep-2011 17:10:30

Limit Group: MB - 8270C ICAL

Client ID: MW-53 (5-8)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 12

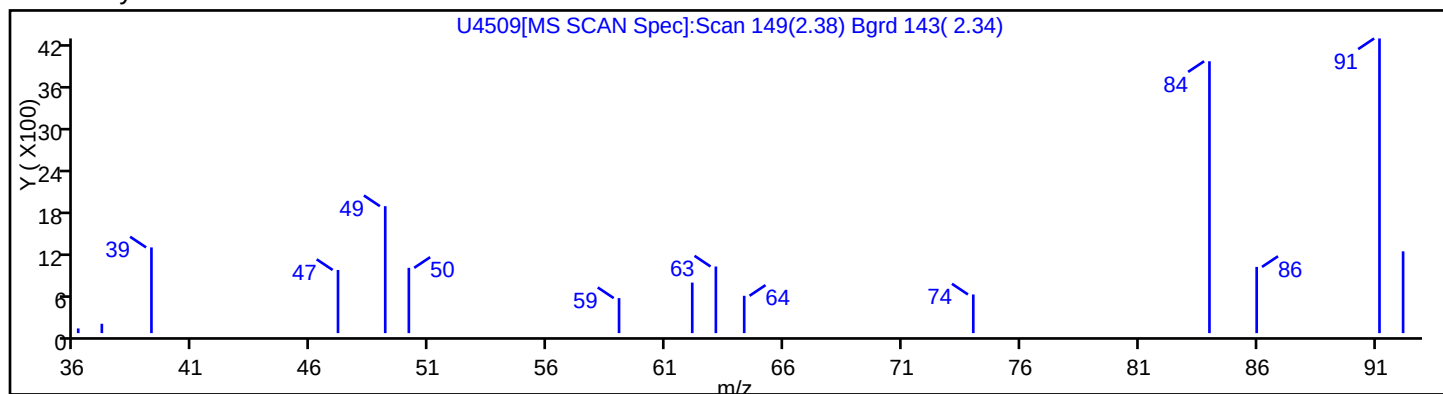
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 10



Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4509.D

Injection Date: 23-Sep-2011 17:10:30

Limit Group: MB - 8270C ICAL

Client ID: MW-53 (5-8)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 12

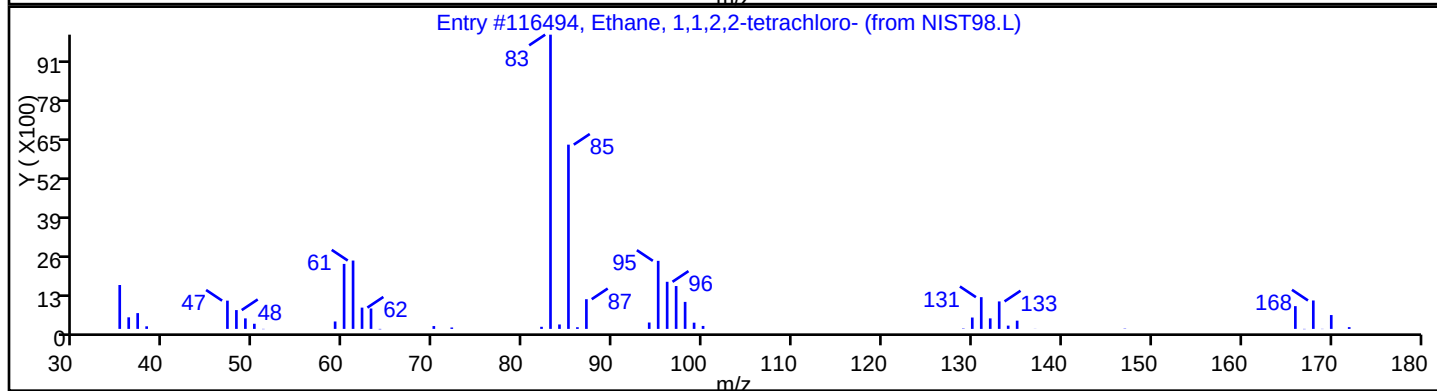
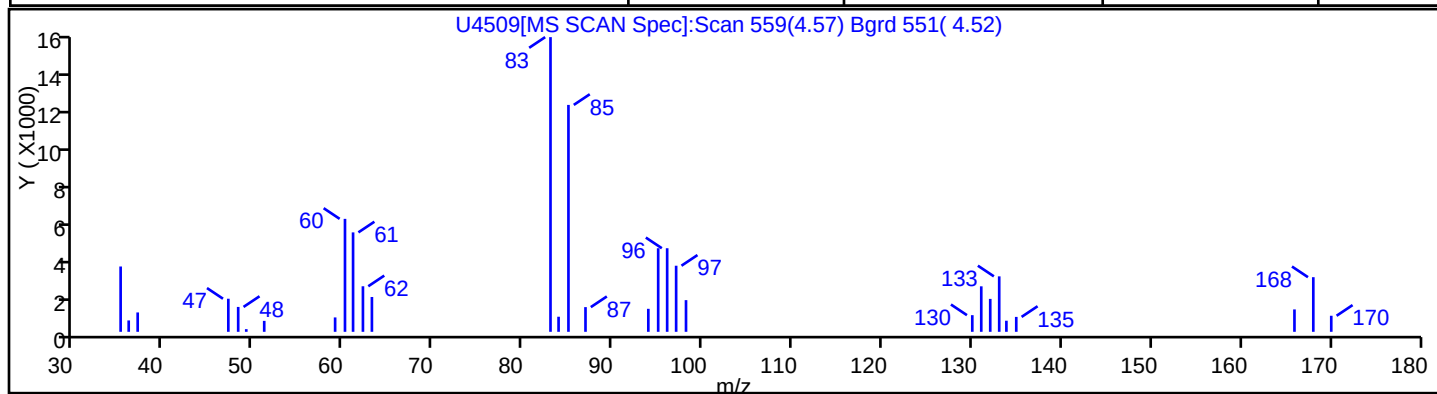
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Ethane, 1,1,2,2-tetrachloro-	79-34-5	NIST98.L	116494	89



Report Date: 27-Sep-2011 10:12:56

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4509.D

Injection Date: 23-Sep-2011 17:10:30

Limit Group: MB - 8270C ICAL

Client ID: MW-53 (5-8)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 12

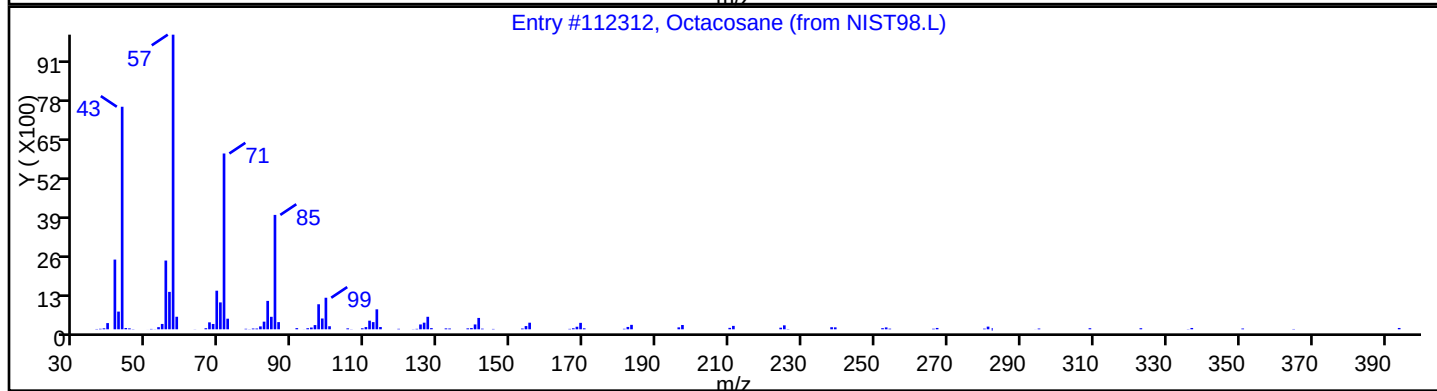
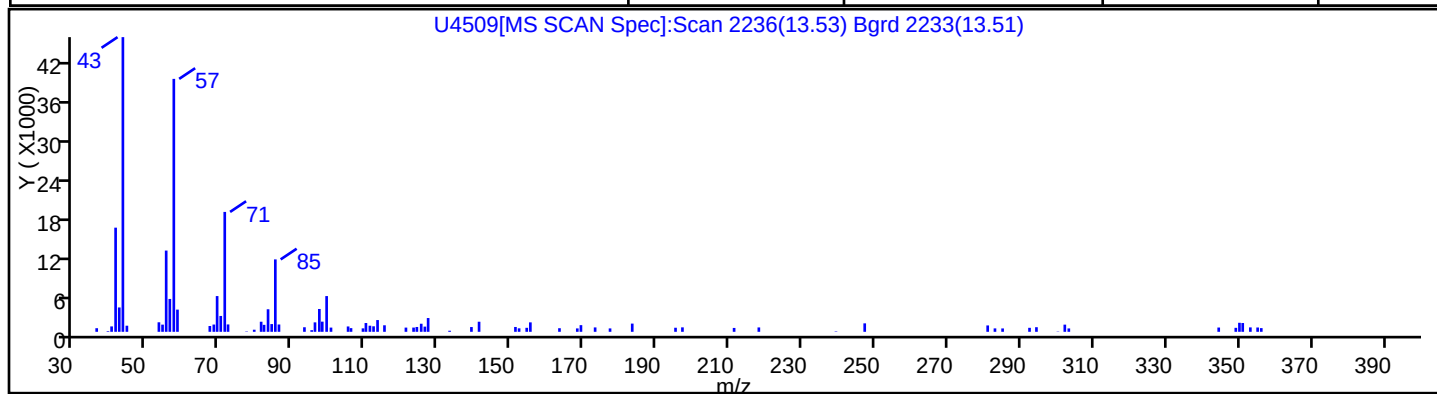
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octacosane	630-2-4	NIST98.L	112312	87



Data File:

\\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4509.D

Injection Date: 23-Sep-2011 17:10:30

Limit Group: MB - 8270C ICAL

Client ID: MW-53 (5-8)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 12

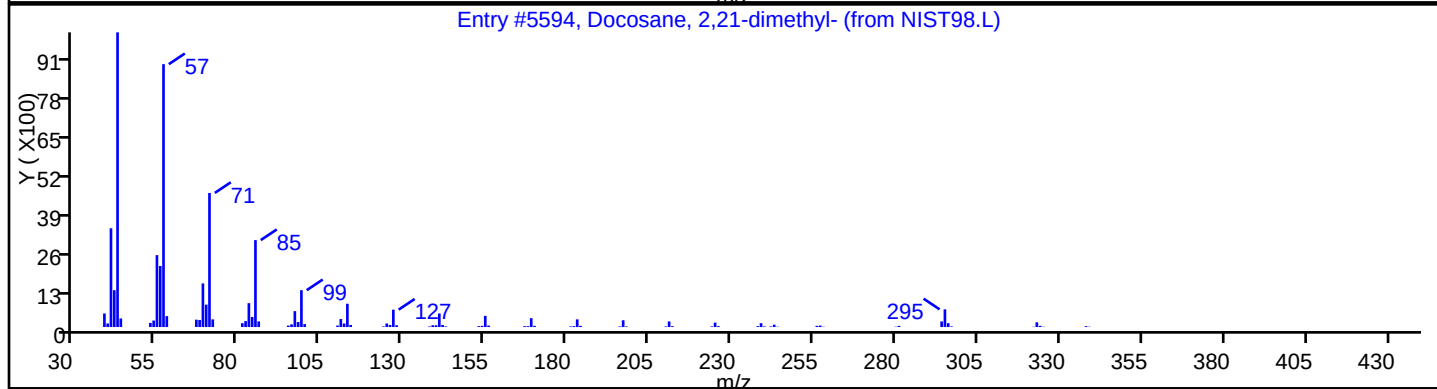
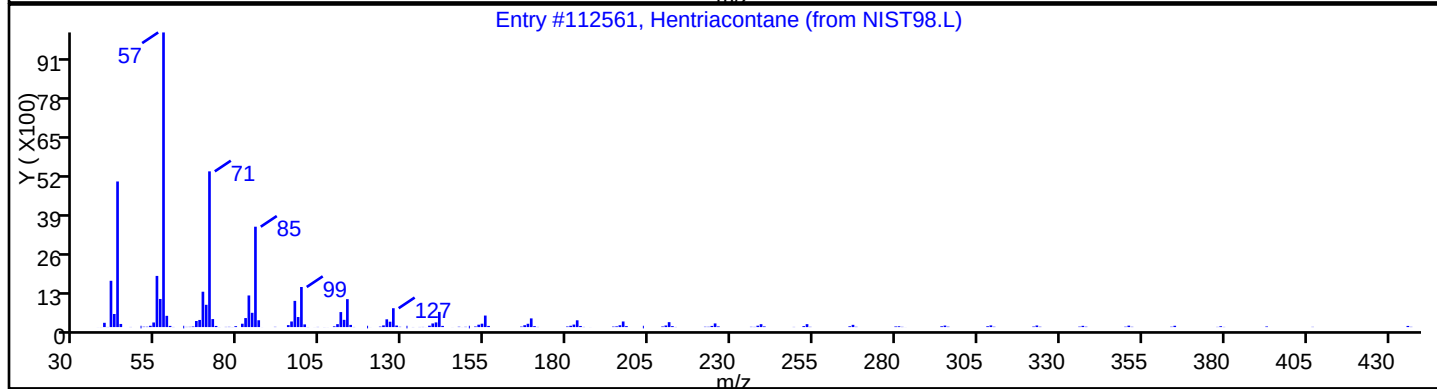
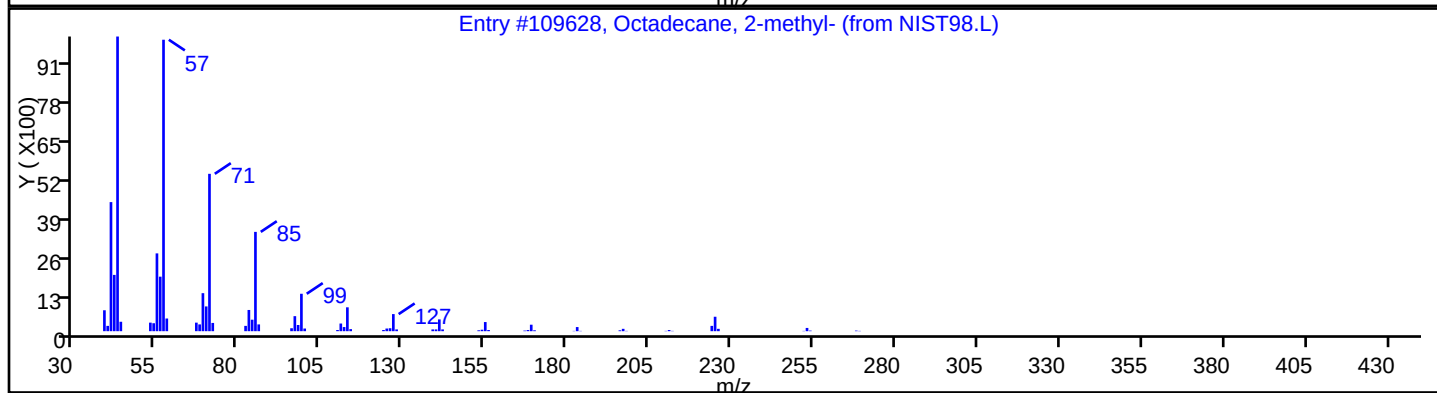
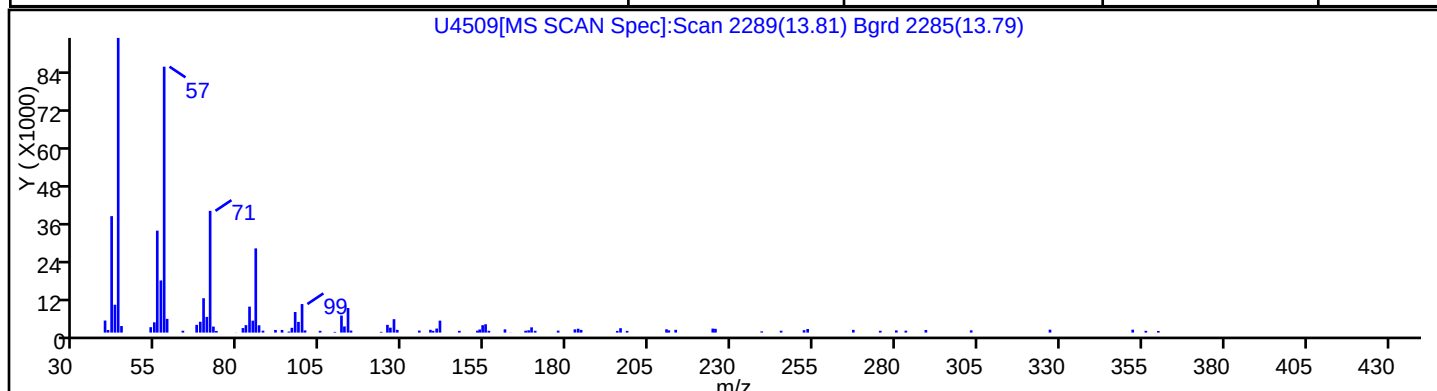
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane, 2-methyl-	1560-88-9	NIST98.L	109628	91
Hentriacontane	630-4-6	NIST98.L	112561	87
Docosane, 2,21-dimethyl-	77536-31-3	NIST98.L	5594	87



Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4509.D

Injection Date: 23-Sep-2011 17:10:30

Limit Group: MB - 8270C ICAL

Client ID: MW-53 (5-8)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 12

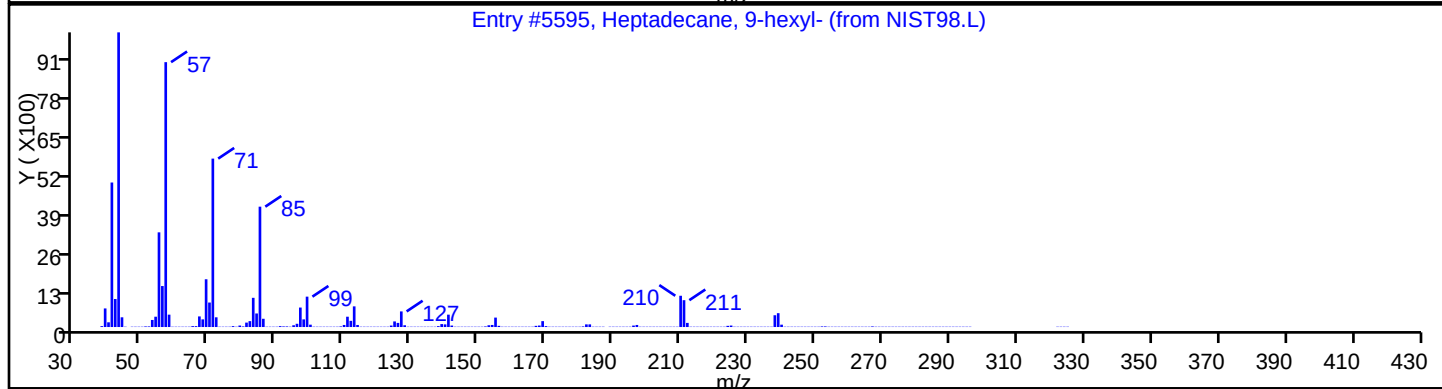
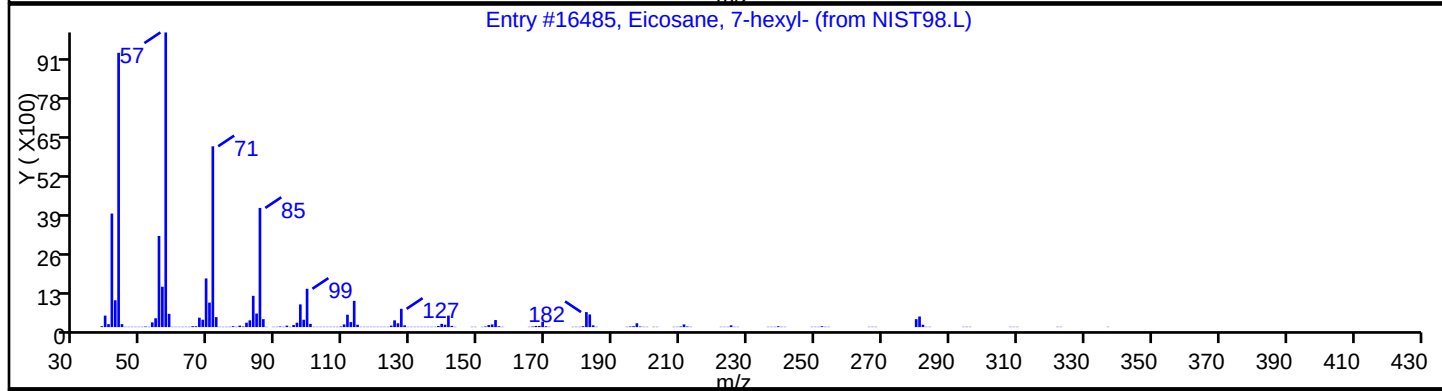
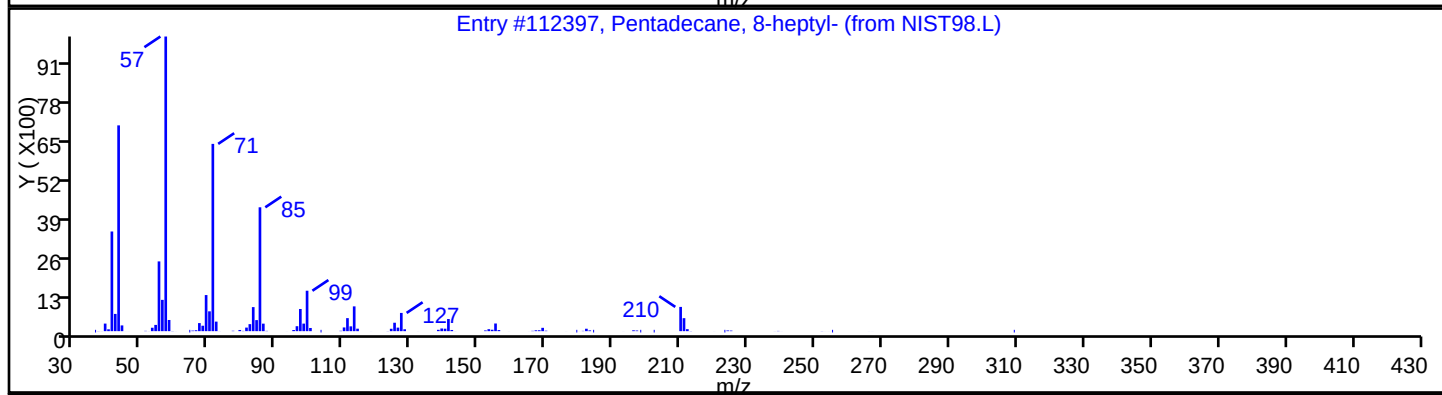
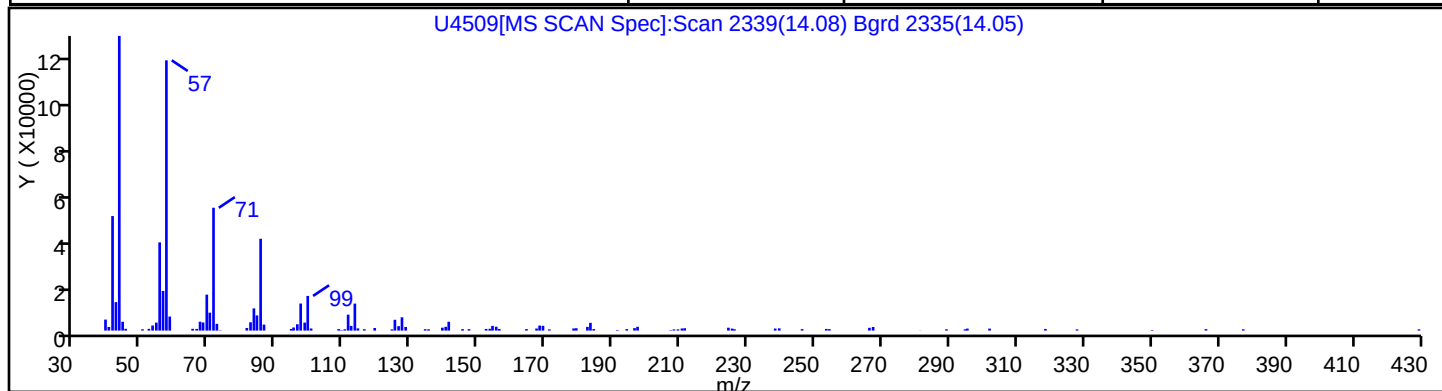
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Pentadecane, 8-heptyl-	71005-15-7	NIST98.L	112397	91
Eicosane, 7-hexyl-	55333-99-8	NIST98.L	16485	90
Heptadecane, 9-hexyl-	55124-79-3	NIST98.L	5595	87



Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4509.D

Injection Date: 23-Sep-2011 17:10:30

Limit Group: MB - 8270C ICAL

Client ID: MW-53 (5-8)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 12

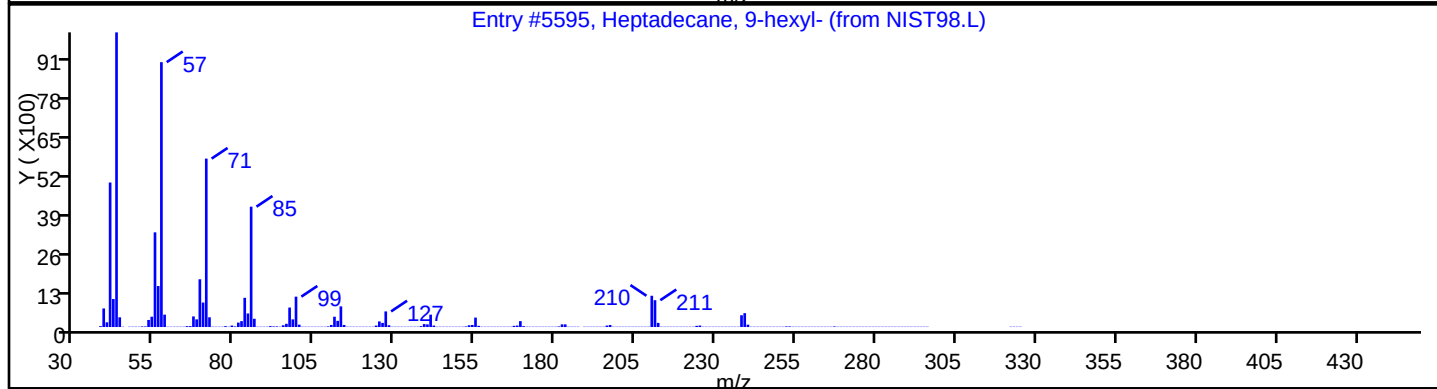
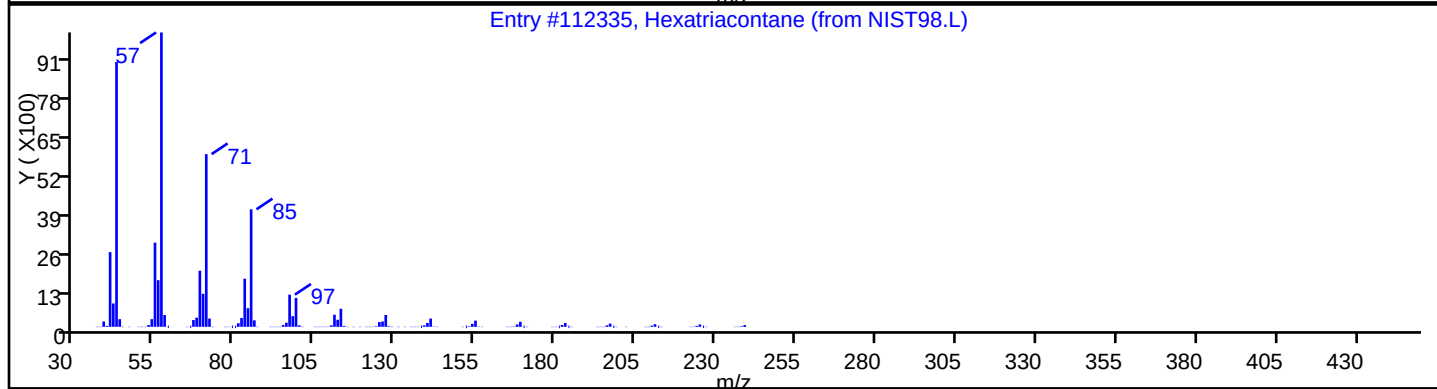
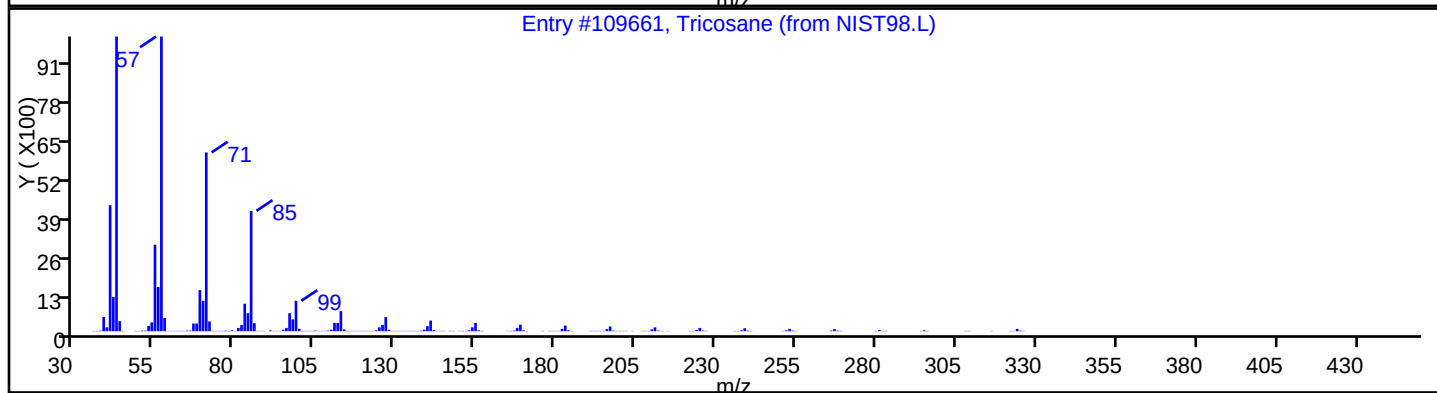
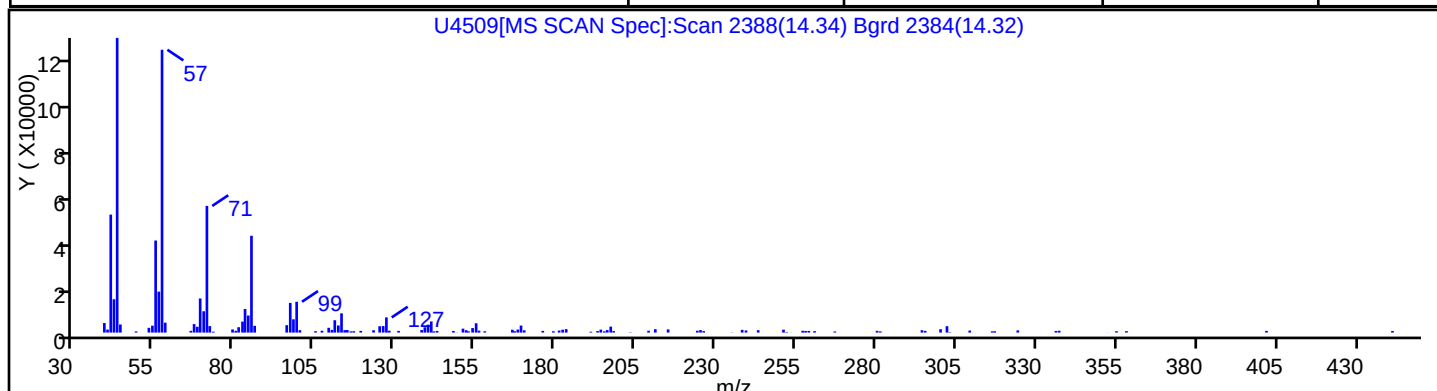
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tricosane	638-67-5	NIST98.L	109661	97
Hexatriacontane	630-6-8	NIST98.L	112335	90
Heptadecane, 9-hexyl-	55124-79-3	NIST98.L	5595	87



Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4509.D

Injection Date: 23-Sep-2011 17:10:30

Limit Group: MB - 8270C ICAL

Client ID: MW-53 (5-8)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 12

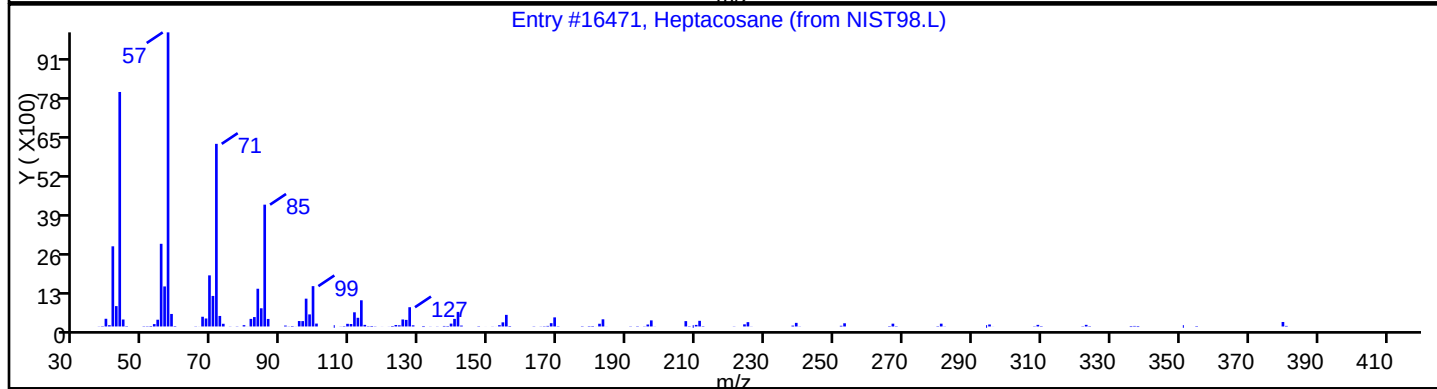
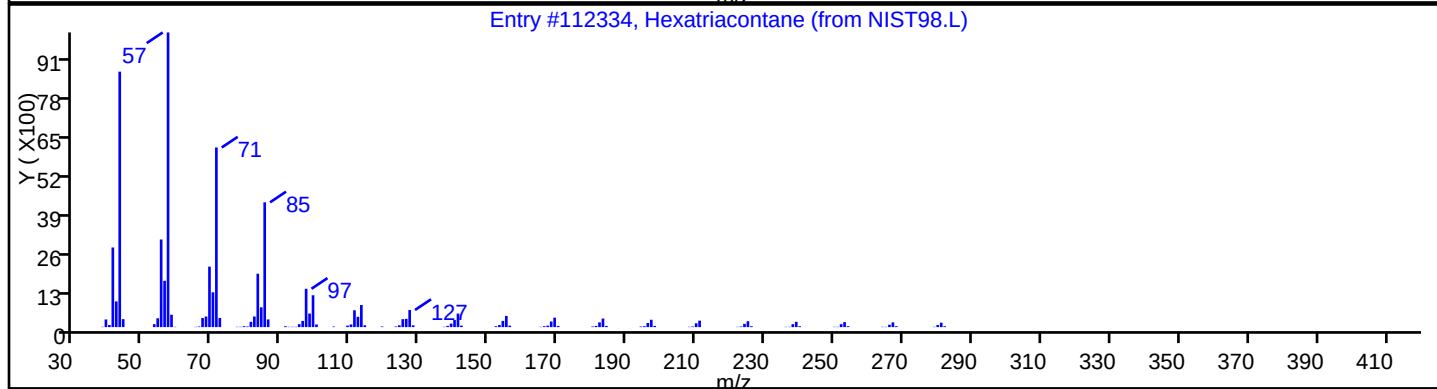
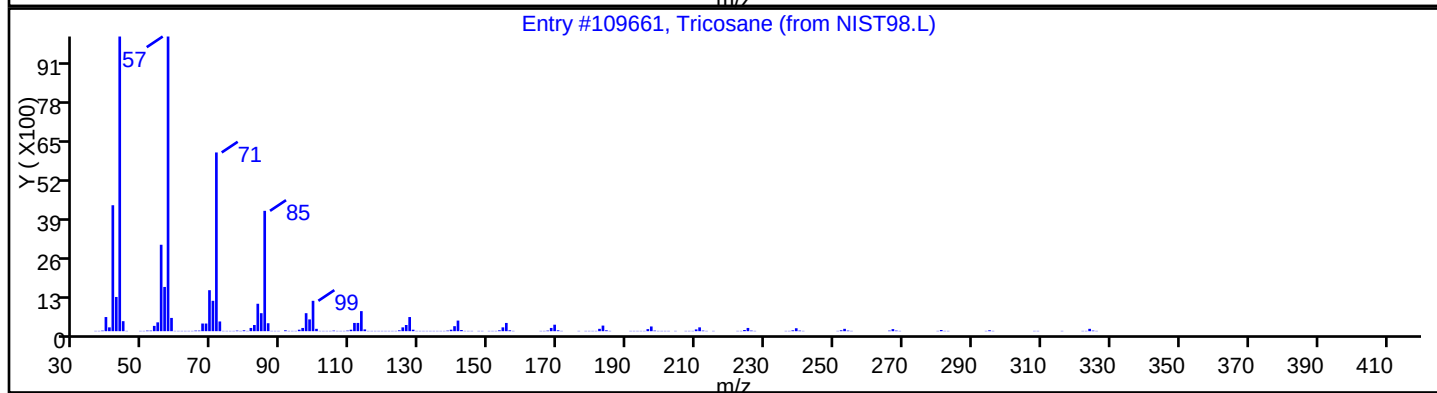
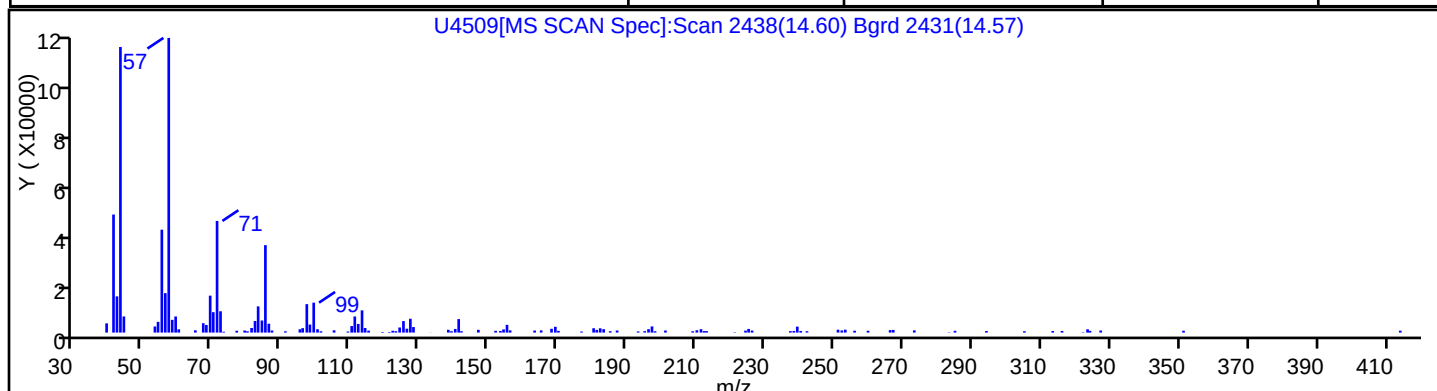
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tricosane	638-67-5	NIST98.L	109661	98
Hexatriacontane	630-6-8	NIST98.L	112334	87
Heptacosane	593-49-7	NIST98.L	16471	87



Report Date: 27-Sep-2011 10:12:56

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4509.D

Injection Date: 23-Sep-2011 17:10:30

Limit Group: MB - 8270C ICAL

Client ID: MW-53 (5-8)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 12

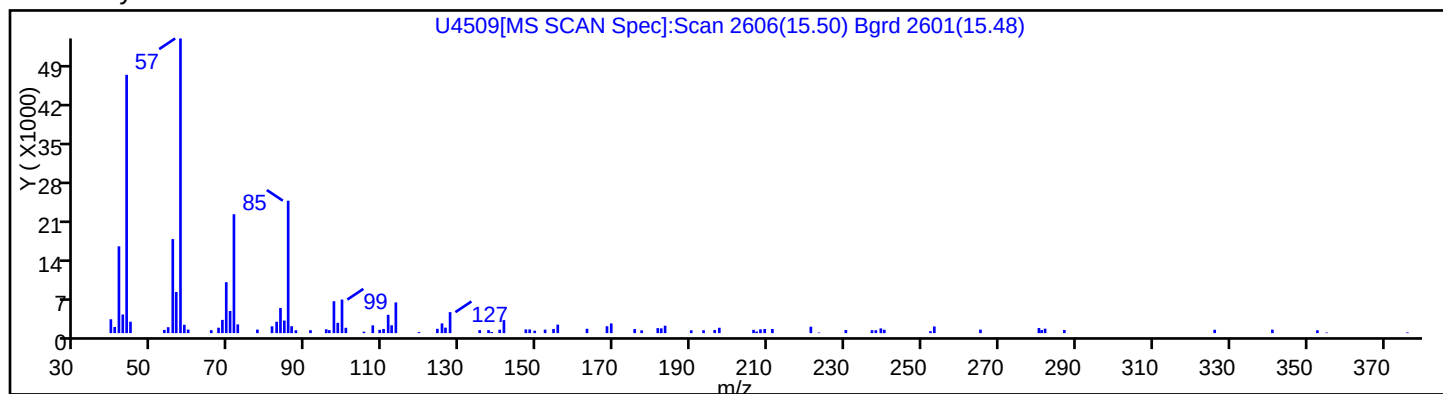
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 10



Report Date: 27-Sep-2011 10:12:56

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4509.D

Injection Date: 23-Sep-2011 17:10:30

Limit Group: MB - 8270C ICAL

Client ID: MW-53 (5-8)

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 12

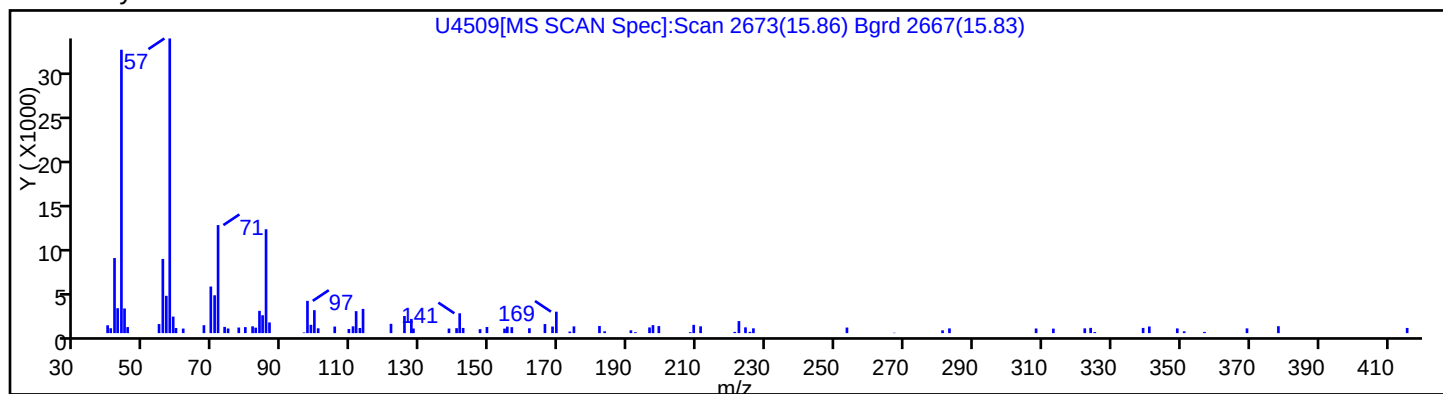
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 10



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-10088-1</u>
SDG No.: _____	
Client Sample ID: <u>EB</u>	Lab Sample ID: <u>480-10088-6</u>
Matrix: <u>Water</u>	Lab File ID: <u>X8467.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/19/2011 13:30</u>
Extract. Method: <u>3510C</u>	Date Extracted: <u>09/23/2011 07:20</u>
Sample wt/vol: <u>1060(mL)</u>	Date Analyzed: <u>09/28/2011 13:51</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>33187</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		4.7	0.62
108-60-1	bis (2-chloroisopropyl) ether	ND		4.7	0.49
95-95-4	2,4,5-Trichlorophenol	ND		4.7	0.45
88-06-2	2,4,6-Trichlorophenol	ND		4.7	0.58
120-83-2	2,4-Dichlorophenol	ND		4.7	0.48
105-67-9	2,4-Dimethylphenol	ND		4.7	0.47
51-28-5	2,4-Dinitrophenol	ND		9.4	2.1
121-14-2	2,4-Dinitrotoluene	ND		4.7	0.42
606-20-2	2,6-Dinitrotoluene	ND		4.7	0.38
91-58-7	2-Chloronaphthalene	ND		4.7	0.43
95-57-8	2-Chlorophenol	ND		4.7	0.50
91-57-6	2-Methylnaphthalene	ND		4.7	0.57
95-48-7	2-Methylphenol	ND		4.7	0.38
88-74-4	2-Nitroaniline	ND		9.4	0.40
88-75-5	2-Nitrophenol	ND		4.7	0.45
91-94-1	3,3'-Dichlorobenzidine	ND		4.7	0.38
99-09-2	3-Nitroaniline	ND		9.4	0.45
534-52-1	4,6-Dinitro-2-methylphenol	ND		9.4	2.1
101-55-3	4-Bromophenyl phenyl ether	ND		4.7	0.42
59-50-7	4-Chloro-3-methylphenol	ND		4.7	0.42
106-47-8	4-Chloroaniline	ND		4.7	0.56
7005-72-3	4-Chlorophenyl phenyl ether	ND		4.7	0.33
106-44-5	4-Methylphenol	ND		9.4	0.34
100-01-6	4-Nitroaniline	ND		9.4	0.24
100-02-7	4-Nitrophenol	ND		9.4	1.4
83-32-9	Acenaphthene	ND		4.7	0.39
208-96-8	Acenaphthylene	ND		4.7	0.36
98-86-2	Acetophenone	ND		4.7	0.51
120-12-7	Anthracene	ND		4.7	0.26
1912-24-9	Atrazine	ND		4.7	0.43
100-52-7	Benzaldehyde	ND		4.7	0.25
56-55-3	Benzo (a) anthracene	ND		4.7	0.34
50-32-8	Benzo (a) pyrene	ND		4.7	0.44
205-99-2	Benzo (b) fluoranthene	ND		4.7	0.32

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Client Sample ID: EB Lab Sample ID: 480-10088-6

Matrix: Water Lab File ID: X8467.D

Analysis Method: 8270C Date Collected: 09/19/2011 13:30

Extract. Method: 3510C Date Extracted: 09/23/2011 07:20

Sample wt/vol: 1060(mL) Date Analyzed: 09/28/2011 13:51

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

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 33187 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		4.7	0.33
207-08-9	Benzo(k)fluoranthene	ND		4.7	0.69
111-91-1	Bis(2-chloroethoxy)methane	ND		4.7	0.33
111-44-4	Bis(2-chloroethyl)ether	ND		4.7	0.38
117-81-7	Bis(2-ethylhexyl) phthalate	ND		4.7	1.7
85-68-7	Butyl benzyl phthalate	ND		4.7	0.40
105-60-2	Caprolactam	ND		4.7	2.1
86-74-8	Carbazole	ND		4.7	0.28
218-01-9	Chrysene	ND		4.7	0.31
84-74-2	Di-n-butyl phthalate	0.32	J B	4.7	0.29
117-84-0	Di-n-octyl phthalate	ND		4.7	0.44
53-70-3	Dibenz(a,h)anthracene	ND		4.7	0.40
132-64-9	Dibenzofuran	ND		9.4	0.48
84-66-2	Diethyl phthalate	ND		4.7	0.21
131-11-3	Dimethyl phthalate	ND		4.7	0.34
206-44-0	Fluoranthene	ND		4.7	0.38
86-73-7	Fluorene	ND		4.7	0.34
118-74-1	Hexachlorobenzene	ND		4.7	0.48
87-68-3	Hexachlorobutadiene	ND		4.7	0.64
77-47-4	Hexachlorocyclopentadiene	ND		4.7	0.56
67-72-1	Hexachloroethane	ND		4.7	0.56
193-39-5	Indeno(1,2,3-cd)pyrene	ND		4.7	0.44
78-59-1	Isophorone	ND		4.7	0.41
621-64-7	N-Nitrosodi-n-propylamine	ND		4.7	0.51
86-30-6	N-Nitrosodiphenylamine	ND		4.7	0.48
91-20-3	Naphthalene	ND		4.7	0.72
98-95-3	Nitrobenzene	ND		4.7	0.27
87-86-5	Pentachlorophenol	ND		9.4	2.1
85-01-8	Phenanthrene	ND		4.7	0.42
108-95-2	Phenol	ND		4.7	0.37
129-00-0	Pyrene	ND		4.7	0.32

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: EB Lab Sample ID: 480-10088-6
Matrix: Water Lab File ID: X8467.D
Analysis Method: 8270C Date Collected: 09/19/2011 13:30
Extract. Method: 3510C Date Extracted: 09/23/2011 07:20
Sample wt/vol: 1060(mL) Date Analyzed: 09/28/2011 13:51
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 33187 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	104		52-132
321-60-8	2-Fluorobiphenyl	76		48-120
367-12-4	2-Fluorophenol	31		20-120
4165-60-0	Nitrobenzene-d5	72		46-120
1718-51-0	p-Terphenyl-d14	84		24-136
4165-62-2	Phenol-d5	24		16-120

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: EB Lab Sample ID: 480-10088-6
Matrix: Water Lab File ID: X8467.D
Analysis Method: 8270C Date Collected: 09/19/2011 13:30
Extract. Method: 3510C Date Extracted: 09/23/2011 07:20
Sample wt/vol: 1060(mL) Date Analyzed: 09/28/2011 13:51
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 33187 Units: ug/L
Number TICs Found: 12 TIC Result Total: 164.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q
100-51-6	Benzyl alcohol	4.91	1.8	J B
	Unknown	11.40	10	T J
	Unknown	11.92	7.3	T J
	Unknown	12.24	43	T J
	Unknown	12.67	17	T J
	Unknown	12.93	15	T J
	Unknown	13.18	4.3	T J
	Unknown	13.57	12	T J
	Unknown	13.82	4.1	T J
	Unknown	13.96	17	T J
	Unknown	14.57	18	T J
	Unknown	15.34	15	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8467.D
 Lims ID: 480-10088-A-6-A Client ID: EB
 Inject. Date: 28-Sep-2011 13:51:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0006284-009
 Misc. Info.: 480-10088-A-6-A
 Operator: MKP/RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 11
 Lims Batch ID: 33187 Lims Sample ID: 9
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X-8270.m
 Last Update: 29-Sep-2011 14:21:01 Calib Date: 09-Sep-2011 14:37:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7706.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 29-Sep-2011 14:21:01

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.647	4.648	-0.001	97	234139	40.0	
* 2 Naphthalene-d8	136	6.277	6.277	0.0	99	910880	40.0	
* 3 Acenaphthene-d10	164	8.344	8.344	0.0	91	580318	40.0	
* 4 Phenanthrene-d10	188	10.032	10.038	-0.006	96	928009	40.0	
* 5 Chrysene-d12	240	12.490	12.495	-0.005	97	937555	40.0	
* 6 Perylene-d12	264	13.596	13.601	-0.005	99	989135	40.0	
\$ 7 2-Fluorophenol	112	2.591	2.591	0.0	90	339523	47.0	
\$ 8 Phenol-d5	99	4.289	4.289	0.0	93	318081	36.7	
\$ 9 Nitrobenzene-d5	82	5.395	5.395	0.0	92	611546	71.6	
\$ 10 2-Fluorobiphenyl	172	7.602	7.607	-0.005	99	1394156	76.5	
\$ 11 2,4,6-Tribromophenol	330	9.268	9.268	0.0	58	507486	156.5	
\$ 12 p-Terphenyl-d14	244	11.624	11.624	0.0	97	1745404	83.7	
62 Benzaldehyde	77		4.006					
63 Phenol	94		4.305					
66 Bis(2-chloroethyl)ether	93		4.332					
67 2-Chlorophenol	128		4.375					
74 2,2'-oxybis[1-chloropropane]	45		5.091					
73 2-Methylphenol	108		5.118					
76 Acetophenone	105		5.219					
78 N-Nitrosodi-n-propylamine	70		5.256					
81 Hexachloroethane	117		5.310					
79 4-Methylphenol	108		5.331					
83 Nitrobenzene	77		5.422					
86 Isophorone	82		5.748					
87 2-Nitrophenol	139		5.828					
89 2,4-Dimethylphenol	107		5.983					
94 Bis(2-chloroethoxy)methane	93		6.068					
97 2,4-Dichlorophenol	162		6.165					
99 Naphthalene	128		6.303					
101 4-Chloroaniline	127		6.421					
104 Hexachlorobutadiene	225		6.501					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
105 Caprolactam	113		6.816					
110 4-Chloro-3-methylphenol	107		7.078					
113 2-Methylnaphthalene	142		7.142					
116 Hexachlorocyclopentadiene	237		7.356					
118 2,4,6-Trichlorophenol	196		7.516					
119 2,4,5-Trichlorophenol	196		7.564					
124 2-Chloronaphthalene	162		7.703					
123 1,1'-Biphenyl	154		7.709					
125 2-Nitroaniline	65		7.858					
128 Dimethyl phthalate	163		8.115					
130 2,6-Dinitrotoluene	165		8.157					
131 Acenaphthylene	152		8.173					
132 3-Nitroaniline	138		8.344					
133 Acenaphthene	153		8.387					
134 2,4-Dinitrophenol	184		8.467					
138 Dibenzofuran	168		8.590					
137 2,4-Dinitrotoluene	165		8.617					
135 4-Nitrophenol	109		8.638					
142 Diethyl phthalate	149		8.948					
144 Fluorene	166		8.985					
145 4-Chlorophenyl phenyl ether	204		9.023					
147 4-Nitroaniline	138		9.049					
148 4,6-Dinitro-2-methylphenol	198		9.092					
149 N-Nitrosodiphenylamine	169		9.167					
159 4-Bromophenyl phenyl ether	248		9.578					
160 Hexachlorobenzene	284		9.626					
163 Atrazine	200		9.835					
165 Pentachlorophenol	266		9.872					
171 Phenanthrene	178		10.064					
172 Anthracene	178		10.118					
173 Carbazole	167		10.316					
176 Di-n-butyl phthalate	149	10.743	10.748	-0.005	45	9677	0.3406	
182 Fluoranthene	202		11.240					
185 Pyrene	202		11.437					
192 Butyl benzyl phthalate	149		12.084					
197 Benzo[a]anthracene	228		12.490					
196 3,3'-Dichlorobenzidine	252		12.495					
199 Chrysene	228		12.517					
198 Bis(2-ethylhexyl) phthalate	149	12.591	12.591	0.0	78	11746	0.7041	
201 Di-n-octyl phthalate	149		13.099					
203 Benzo[b]fluoranthene	252	13.323	13.329	-0.006	27	5074	0.1689	
204 Benzo[k]fluoranthene	252	13.339	13.350	-0.011	1	6873	0.2392	
206 Benzo[a]pyrene	252		13.558					
208 Indeno[1,2,3-cd]pyrene	276	14.306	14.306	0.0	42	10900	0.3376	
209 Dibenz(a,h)anthracene	278	14.311	14.317	-0.006	22	7423	0.2698	
210 Benzo[g,h,i]perylene	276	14.472	14.477	-0.005	47	6114	0.2311	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8467.D
 Lims ID: 480-10088-A-6-A Client ID: EB
 Inject. Date: 28-Sep-2011 13:51:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0006284-009
 Misc. Info.: 480-10088-A-6-A
 Operator: MKP/RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 11
 Lims Batch ID: 33187 Lims Sample ID: 9
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X-8270.m
 Last Update: 29-Sep-2011 14:21:01 Calib Date: 09-Sep-2011 14:37:30
 Tic RT Window: 1.500 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\Bufchrom\ChromData\Database\NIST98.L
 Min. Match: 85
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 29-Sep-2011 14:21:01

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
Benzyl alcohol	4.909	9458	1.90	

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
11.400	768394	10.9	5		Unknown	
11.918	549619	7.79	5		Unknown	
12.239	3196451	45.3	5		Unknown	
12.671	1232755	17.5	5		Unknown	
12.928	1083972	15.4	5		Unknown	
13.179	366258	4.57	6		Unknown	
13.574	989316	12.3	6		Unknown	
13.815	349131	4.36	6		Unknown	
13.964	1481673	18.5	6		Unknown	
14.573	1551823	19.4	6		Unknown	

Data File: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8467.D

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags

Unknown
15.337 1260427 15.7 6

Quantitation Compounds

Compound	RT	Response	Amount ng/uL

* 5 Chrysene-d12	12.490	2821128	40.0
* 6 Perylene-d12	13.596	3204376	40.0

QC Flag Legend

Processing Flags

Report Date: 29-Sep-2011 14:21:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File:

\\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8467.D

Injection Date: 28-Sep-2011 13:51:30

Limit Group: MB - 8270C ICAL

Client ID: EB

Instrument ID: HP5973X

Lims Batch ID: 33187

Lims Sample ID: 9

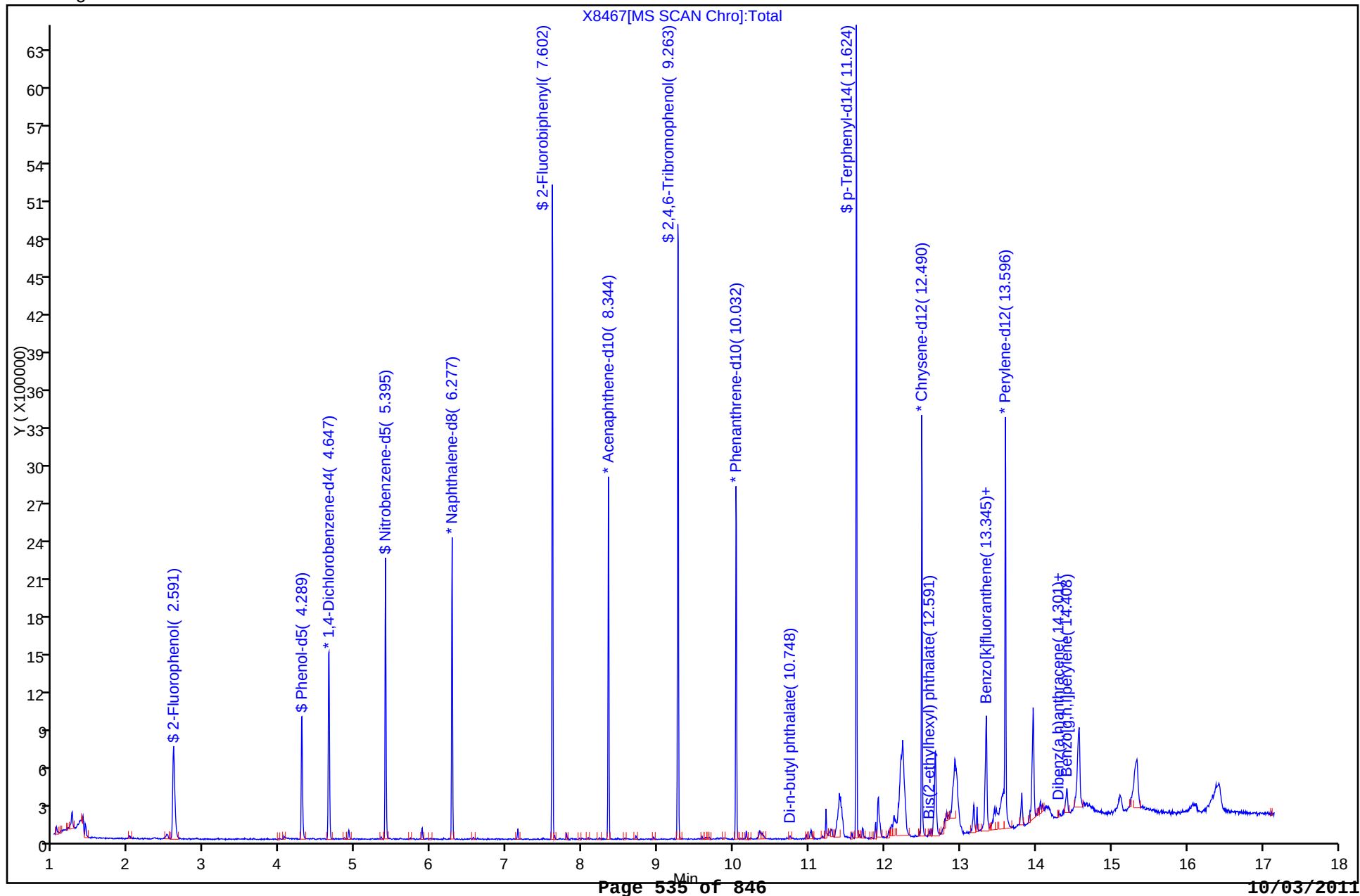
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

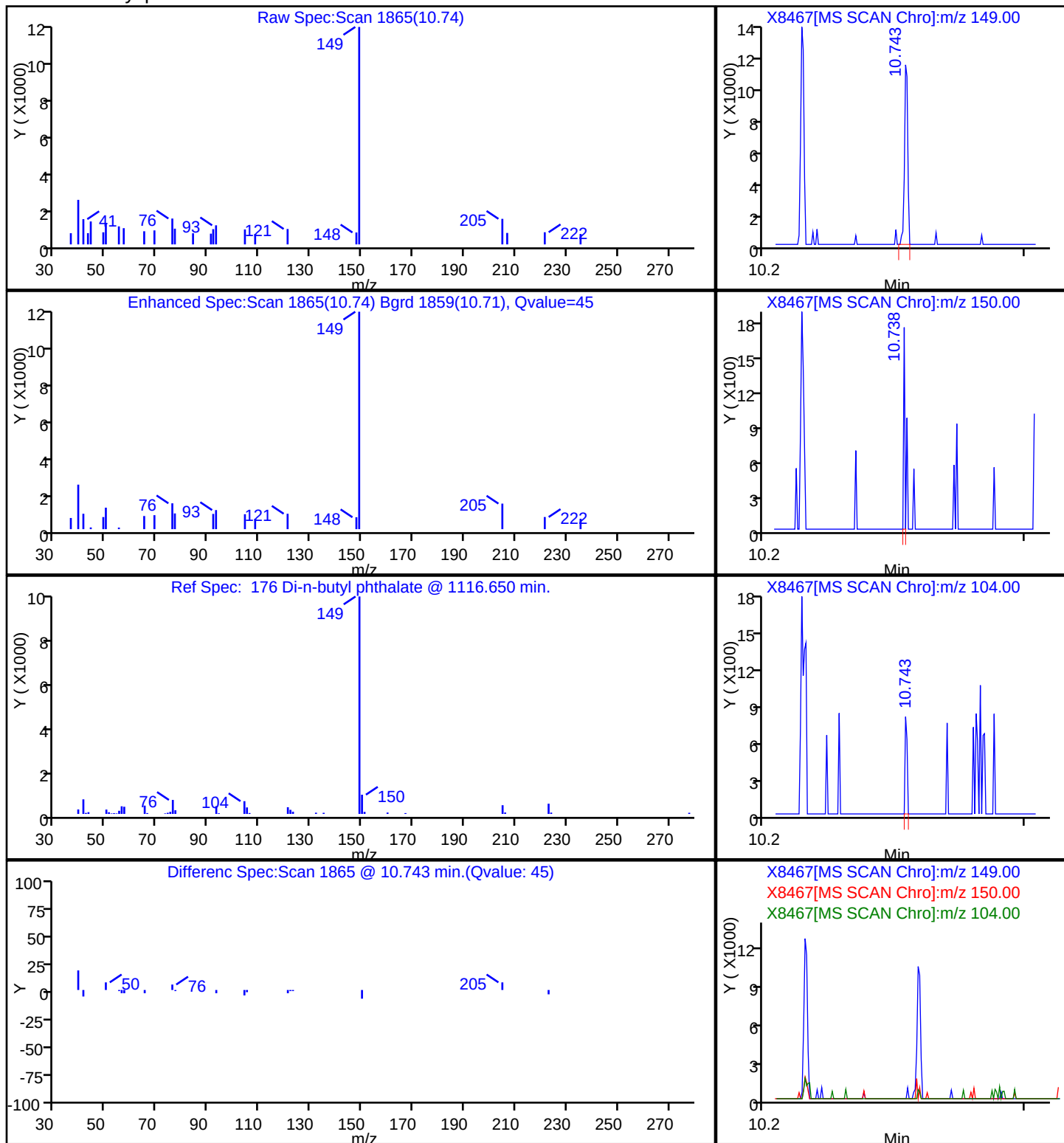
Y Scaling:



Report Date: 29-Sep-2011 14:21:01
Data File: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8467.D
Injection Date: 28-Sep-2011 13:51:30
Client ID: EB
Lims Batch ID: 33187
Operator ID: MKP/RJF
Column Type: RXI-5Sil MS

Chrom Revision: 2.0 01-Sep-2011 14:10:00
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973X
Lims Sample ID: 9
Injection Vol: 1.00 ul
Column Dia: 0.25 mm

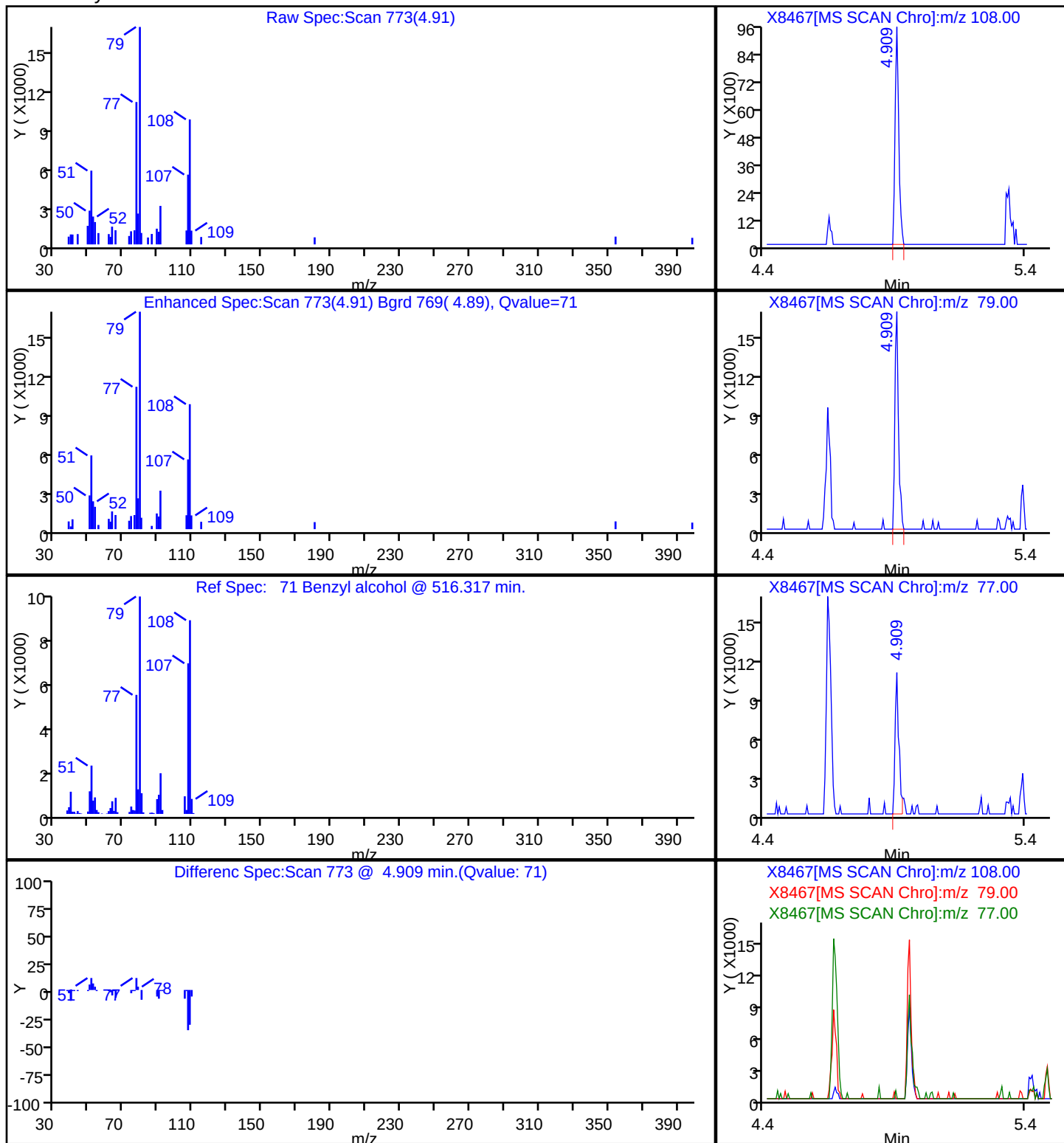
176 Di-n-butyl phthalate



Report Date: 29-Sep-2011 14:21:01
Data File: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8467.D
Injection Date: 28-Sep-2011 13:51:30
Client ID: EB
Lims Batch ID: 33187
Operator ID: MKP/RJF
Column Type: RXI-5Sil MS

Chrom Revision: 2.0 01-Sep-2011 14:10:00
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973X
Lims Sample ID: 9
Injection Vol: 1.00 ul
Column Dia: 0.25 mm

71 Benzyl alcohol



Report Date: 29-Sep-2011 14:21:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8467.D

Injection Date: 28-Sep-2011 13:51:30

Limit Group: MB - 8270C ICAL

Client ID: EB

Instrument ID: HP5973X

Lims Batch ID: 33187

Lims Sample ID: 9

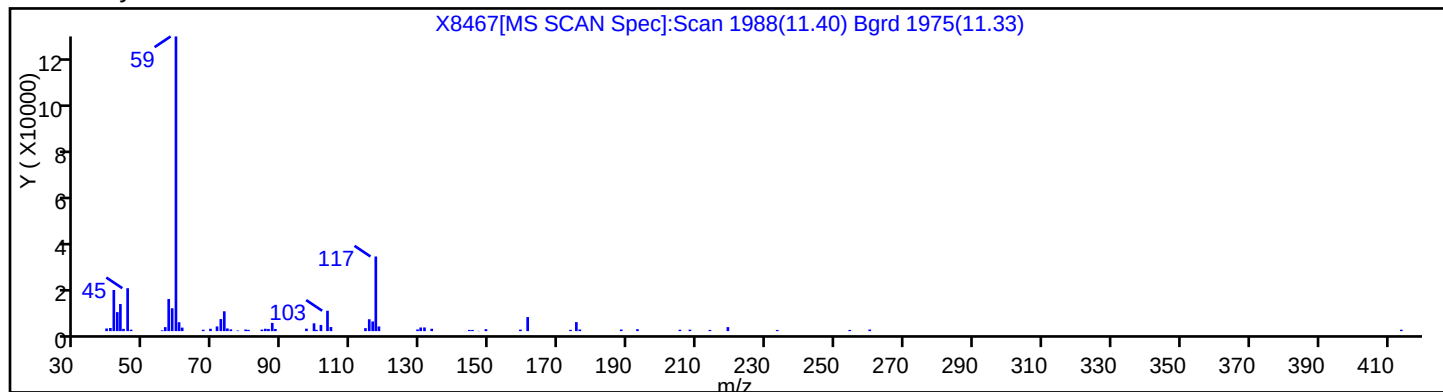
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 29-Sep-2011 14:21:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8467.D

Injection Date: 28-Sep-2011 13:51:30

Limit Group: MB - 8270C ICAL

Client ID: EB

Instrument ID: HP5973X

Lims Batch ID: 33187

Lims Sample ID: 9

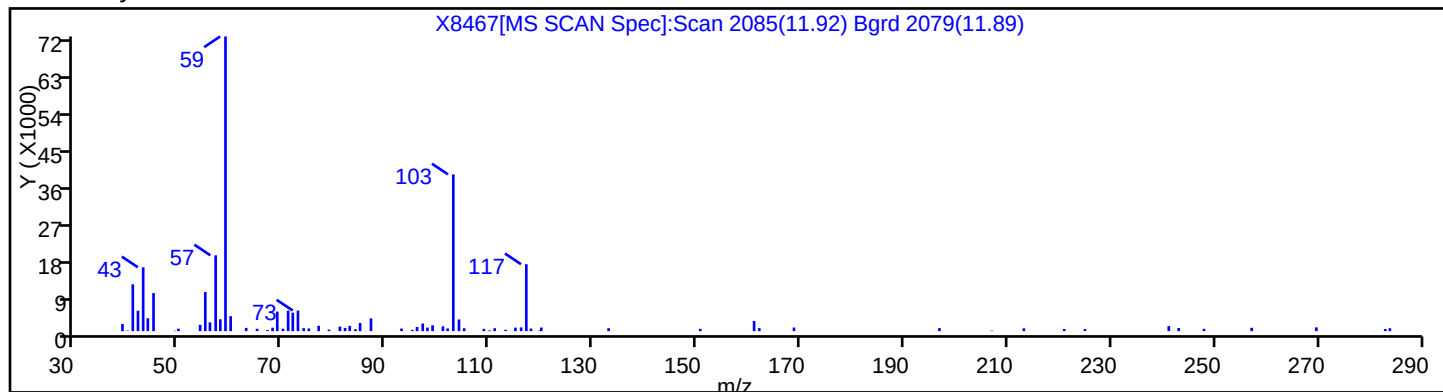
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Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 29-Sep-2011 14:21:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8467.D

Injection Date: 28-Sep-2011 13:51:30

Limit Group: MB - 8270C ICAL

Client ID: EB

Instrument ID: HP5973X

Lims Batch ID: 33187

Lims Sample ID: 9

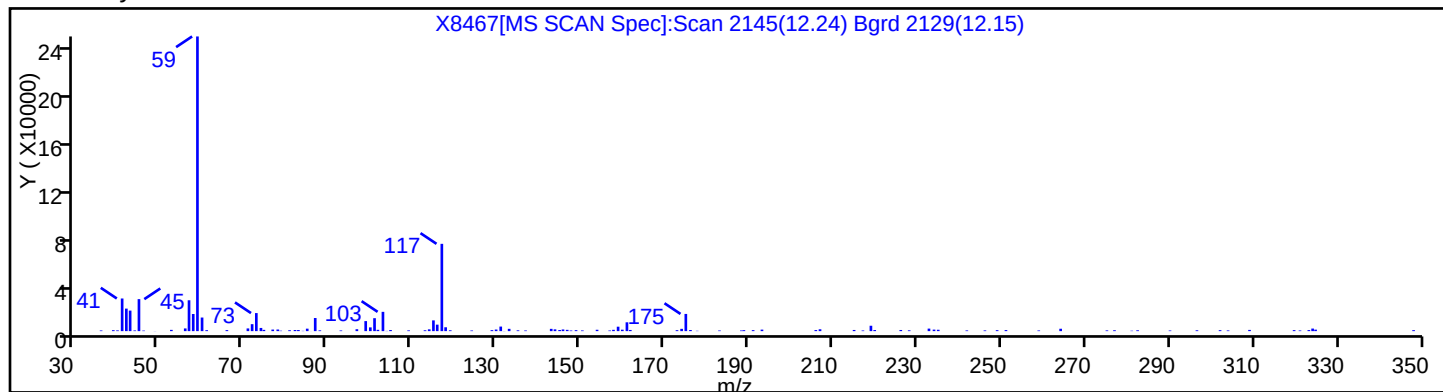
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 29-Sep-2011 14:21:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8467.D

Injection Date: 28-Sep-2011 13:51:30

Limit Group: MB - 8270C ICAL

Client ID: EB

Instrument ID: HP5973X

Lims Batch ID: 33187

Lims Sample ID: 9

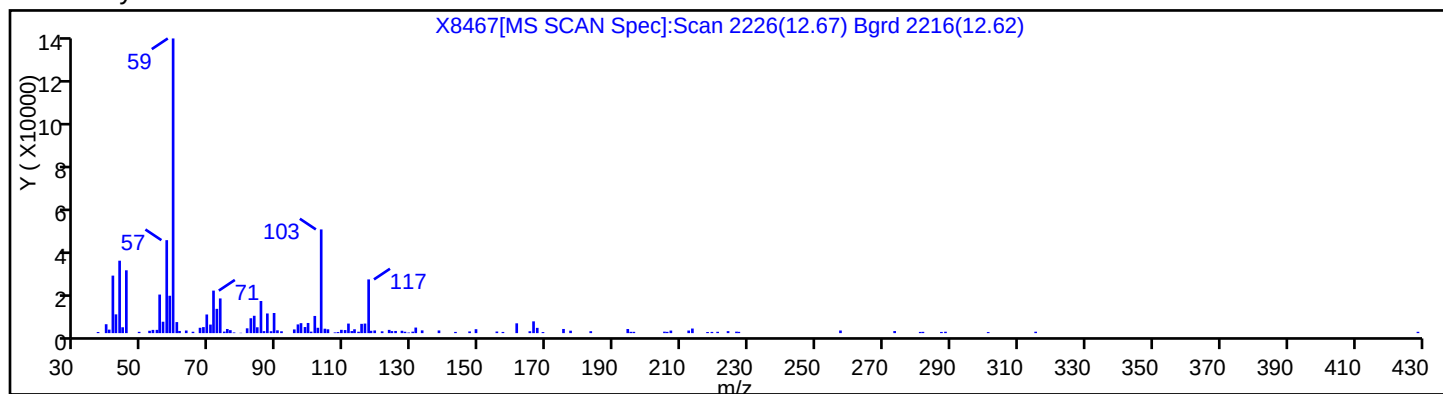
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 29-Sep-2011 14:21:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8467.D

Injection Date: 28-Sep-2011 13:51:30

Limit Group: MB - 8270C ICAL

Client ID: EB

Instrument ID: HP5973X

Lims Batch ID: 33187

Lims Sample ID: 9

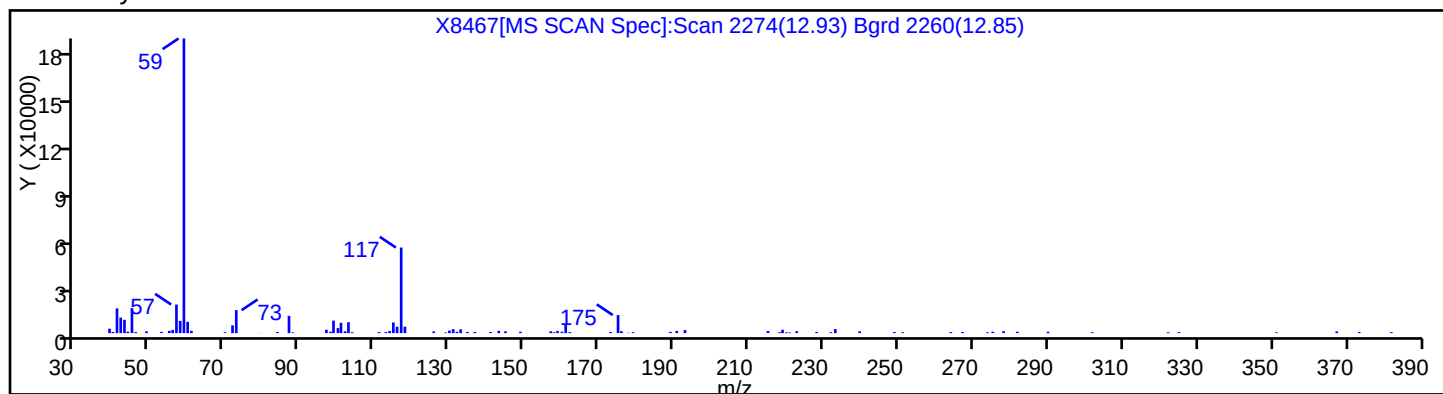
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 29-Sep-2011 14:21:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8467.D

Injection Date: 28-Sep-2011 13:51:30

Limit Group: MB - 8270C ICAL

Client ID: EB

Instrument ID: HP5973X

Lims Batch ID: 33187

Lims Sample ID: 9

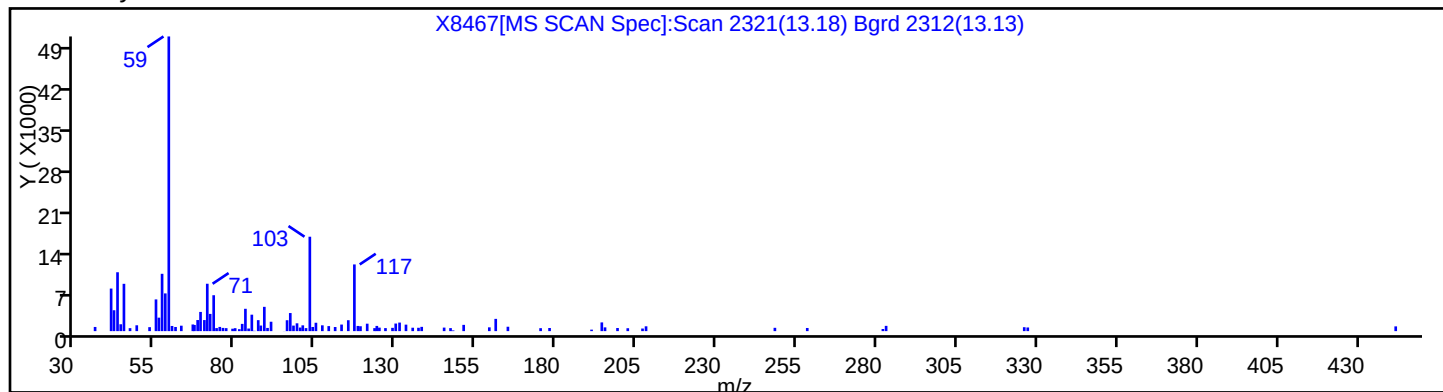
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 29-Sep-2011 14:21:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8467.D

Injection Date: 28-Sep-2011 13:51:30

Limit Group: MB - 8270C ICAL

Client ID: EB

Instrument ID: HP5973X

Lims Batch ID: 33187

Lims Sample ID: 9

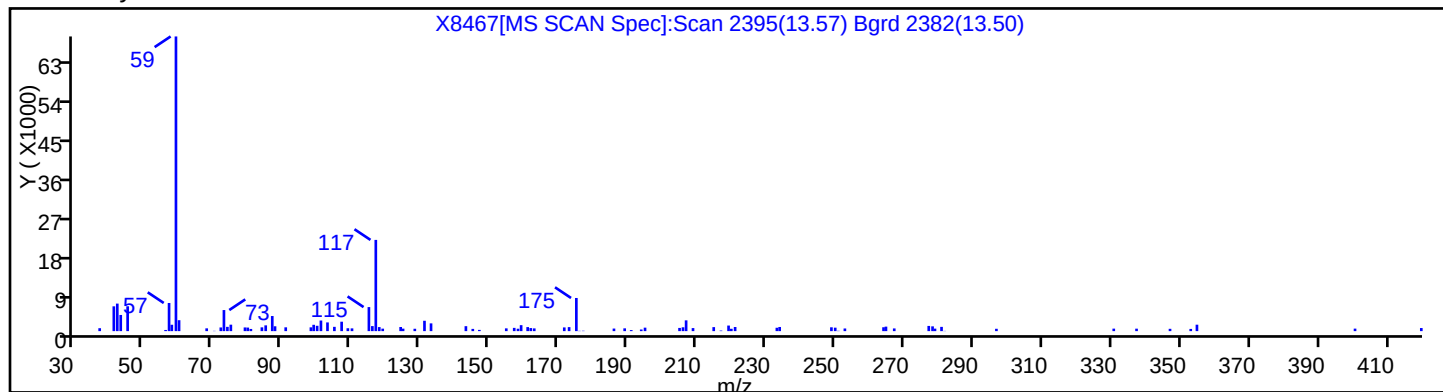
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 29-Sep-2011 14:21:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8467.D

Injection Date: 28-Sep-2011 13:51:30

Limit Group: MB - 8270C ICAL

Client ID: EB

Instrument ID: HP5973X

Lims Batch ID: 33187

Lims Sample ID: 9

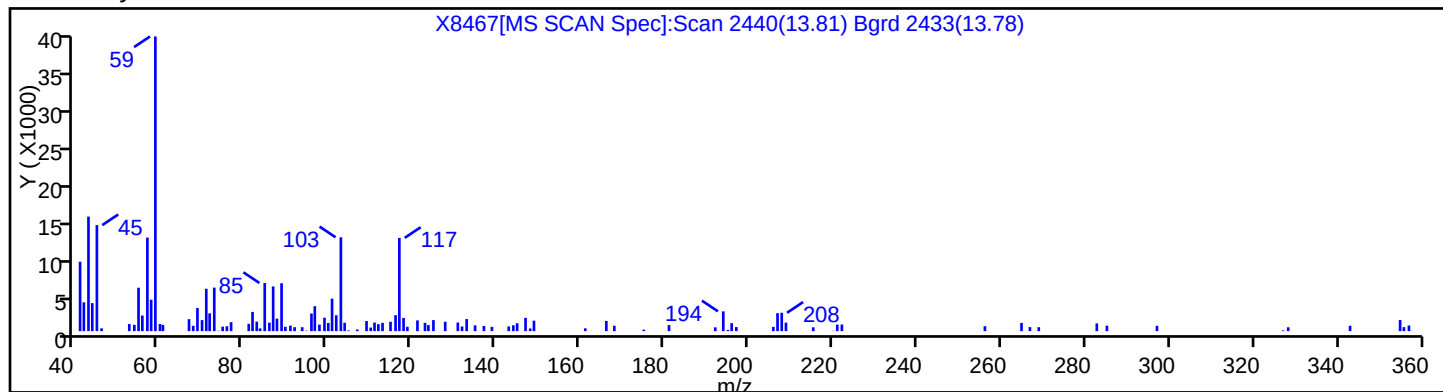
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 29-Sep-2011 14:21:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8467.D

Injection Date: 28-Sep-2011 13:51:30

Limit Group: MB - 8270C ICAL

Client ID: EB

Instrument ID: HP5973X

Lims Batch ID: 33187

Lims Sample ID: 9

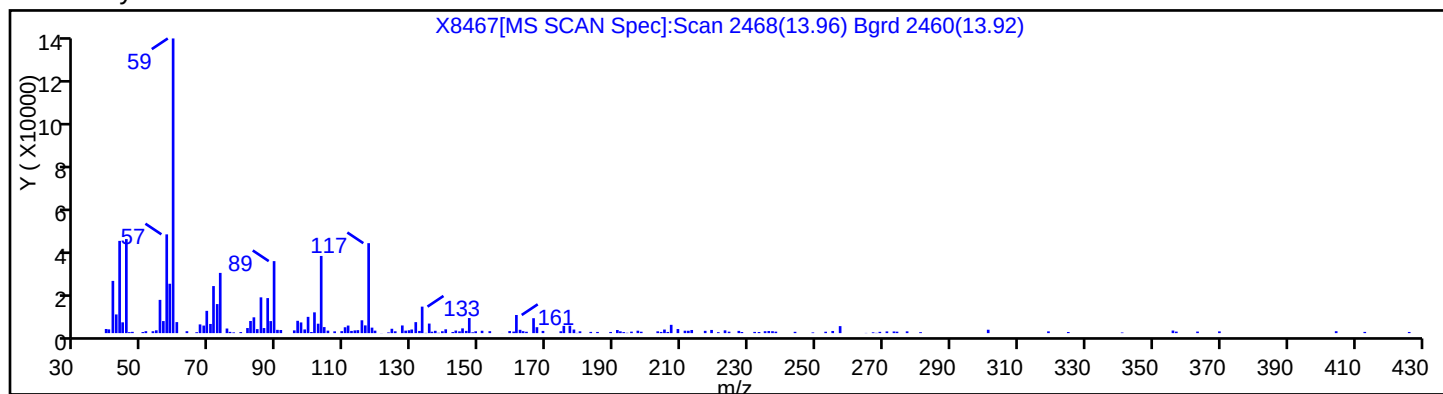
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 29-Sep-2011 14:21:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8467.D

Injection Date: 28-Sep-2011 13:51:30

Limit Group: MB - 8270C ICAL

Client ID: EB

Instrument ID: HP5973X

Lims Batch ID: 33187

Lims Sample ID: 9

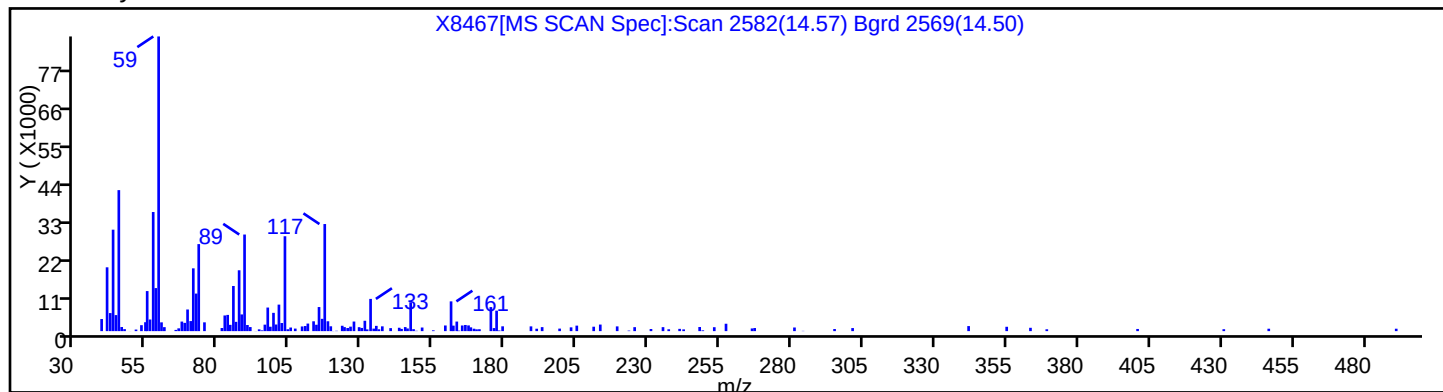
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 29-Sep-2011 14:21:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8467.D

Injection Date: 28-Sep-2011 13:51:30

Limit Group: MB - 8270C ICAL

Client ID: EB

Instrument ID: HP5973X

Lims Batch ID: 33187

Lims Sample ID: 9

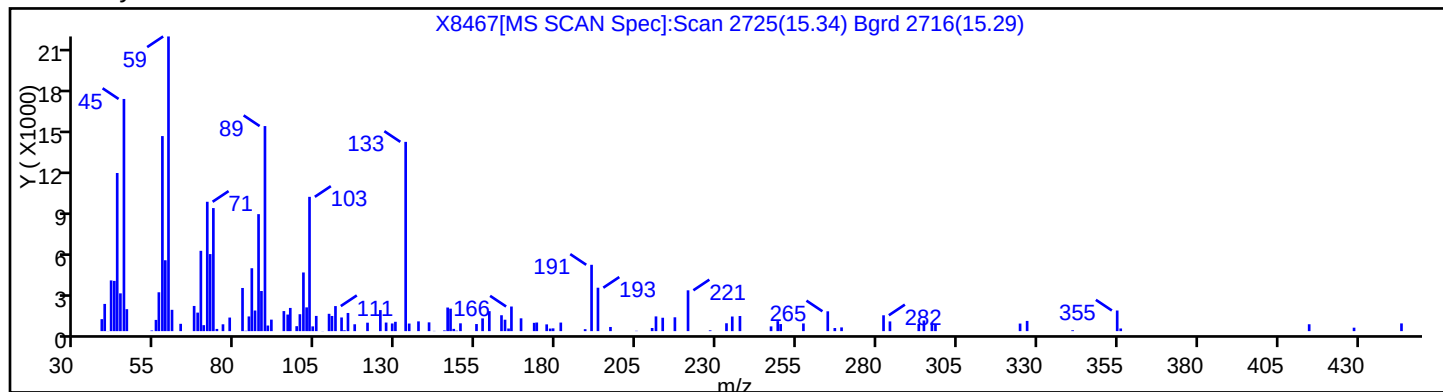
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 31234

SDG No.: _____

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2011 15:02 Calibration End Date: 09/14/2011 16:59 Calibration ID: 3881

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-31234/7	U4144.D
Level 2	IC 480-31234/6	U4143.D
Level 3	ICIS 480-31234/5	U4142.D
Level 4	IC 480-31234/4	U4141.D
Level 5	IC 480-31234/3	U4140.D
Level 6	IC 480-31234/2	U4139.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodimethylamine	1.1027 1.2536	1.2108	1.1574	1.2618	1.1782	Ave		1.1941				5.1		15.0			
Pyridine	1.0044 1.0905	1.0328	1.0753	1.0529	1.0468	Ave		1.0505				2.9		15.0			
Aniline	1.7010 1.8466	1.7241	1.6134	1.7846	1.8112	Ave		1.7468				4.9		15.0			
Phenol	1.3663 1.5767	1.5000	1.4472	1.5844	1.5225	Ave		1.4995				5.5		15.0			
Bis (2-chloroethyl) ether	0.9341 1.0474	1.0785	0.9773	1.0462	1.0009	Ave		1.0141				5.3		15.0			
2-Chlorophenol	1.3518 1.3906	1.3014	1.2349	1.3304	1.3090	Ave		1.3197				4.0		15.0			
1,3-Dichlorobenzene	1.6984 1.6734	1.6837	1.5543	1.6365	1.5850	Ave		1.6386				3.5		15.0			
1,4-Dichlorobenzene	1.6573 1.6858	1.6176	1.6476	1.6893	1.6524	Ave		1.6583				1.6		15.0			
Benzyl alcohol	0.7121 0.9533	0.8151	0.8338	0.8633	0.8890	Ave		0.8444				9.6		15.0			
1,2-Dichlorobenzene	1.5234 1.5752	1.5087	1.4750	1.5822	1.5449	Ave		1.5349				2.7		15.0			
2-Methylphenol	0.9692 1.1988	1.1059	1.0460	1.1628	1.1376	Ave		1.1034				7.6		15.0			
bis (2-chloroisopropyl) ether	2.0811 2.4456	2.3554	2.2487	2.4111	2.3488	Ave		2.3151				5.7		15.0			
N-Nitrosodi-n-propylamine	0.7228 0.8271	0.8212	0.7909	0.8238	0.8007	Ave		0.7978			0.0500	4.9		15.0			
4-Methylphenol	1.1152 1.1877	1.1105	1.0645	1.1723	1.1433	Ave		1.1322				4.0		15.0			
Hexachloroethane	0.6244 0.6579	0.5860	0.6124	0.6614	0.6360	Ave		0.6297				4.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 31234

SDG No.: _____

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2011 15:02 Calibration End Date: 09/14/2011 16:59 Calibration ID: 3881

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Nitrobenzene	0.3615 0.4017	0.3757	0.3774	0.3899	0.3852	Ave		0.3819				3.6		15.0			
Isophorone	0.5328 0.6604	0.6207	0.6146	0.6324	0.6259	Ave		0.6145				7.0		15.0			
2-Nitrophenol	0.1812 0.2067	0.1791	0.1899	0.2031	0.2036	Ave		0.1939				6.3		15.0			
2,4-Dimethylphenol	0.3700 0.4277	0.3751	0.3978	0.4119	0.4175	Ave		0.4000				5.8		15.0			
Tetraethyl lead	0.2047 0.2383	0.2539	0.2009	0.2407	0.2418	Ave		0.2300				9.5		15.0			
Bis(2-chloroethoxy)methane	0.3167 0.3194	0.2962	0.3138	0.3159	0.3082	Ave		0.3117				2.7		15.0			
2,4-Dichlorophenol	0.2853 0.3449	0.3083	0.3100	0.3266	0.3300	Ave		0.3175				6.5		15.0			
Benzoic acid	0.2097 0.2877	0.2284	0.2443	0.2616	0.2729	Ave		0.2508				12.0		15.0			
1,2,4-Trichlorobenzene	0.3564 0.3821	0.3550	0.3707	0.3689	0.3781	Ave		0.3686				3.0		15.0			
Naphthalene	0.9706 1.0501	1.0016	1.0090	1.0316	1.0173	Ave		1.0134				2.7		15.0			
4-Chloroaniline	0.3849 0.4296	0.4212	0.3954	0.4116	0.4245	Ave		0.4112				4.3		15.0			
Hexachlorobutadiene	0.2831 0.3135	0.2774	0.2875	0.2995	0.2983	Ave		0.2932				4.5		15.0			
4-Chloro-3-methylphenol	0.3002 0.3625	0.3216	0.3257	0.3424	0.3476	Ave		0.3333				6.6		15.0			
2-Methylnaphthalene	0.7390 0.7779	0.6941	0.7147	0.7454	0.7477	Ave		0.7365				3.9		15.0			
Hexachlorocyclopentadiene	0.3219 0.5286	0.3872	0.4587	0.4871	0.5062	Lin1	-1.388	0.5170			0.0500				0.9970		0.9900
2,4,6-Trichlorophenol	0.3152 0.3977	0.3816	0.3810	0.3921	0.3868	Ave		0.3757				8.1		15.0			
2,4,5-Trichlorophenol	0.3785 0.4169	0.3679	0.3970	0.4222	0.4158	Ave		0.3997				5.6		15.0			
2-Chloronaphthalene	1.0364 1.1278	1.0638	1.1109	1.1283	1.1135	Ave		1.0968				3.5		15.0			
2-Nitroaniline	0.2730 0.3595	0.3082	0.3367	0.3634	0.3575	Ave		0.3330				11.0		15.0			
Dimethyl phthalate	1.2869 1.4034	1.3277	1.3328	1.3982	1.4030	Ave		1.3587				3.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 31234

SDG No.: _____

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2011 15:02 Calibration End Date: 09/14/2011 16:59 Calibration ID: 3881

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2,6-Dinitrotoluene	0.2330 0.3039	0.2652	0.2730	0.2918	0.2945	Ave		0.2769				9.3		15.0			
Acenaphthylene	1.5247 1.6928	1.6348	1.6592	1.7096	1.6974	Ave		1.6531				4.2		15.0			
3-Nitroaniline	0.2340 0.3190	0.2885	0.3104	0.3075	0.3186	Ave		0.2963				11.0		15.0			
Acenaphthene	1.0172 1.1146	1.0351	1.0445	1.1117	1.1144	Ave		1.0729				4.2		15.0			
2,4-Dinitrophenol	0.0359 0.1635	0.0869	0.1499	0.1718	0.1703	Lin1	-1.521	0.1797			0.0500				0.9970		0.9900
4-Nitrophenol	0.2412 0.3830	0.2785	0.3281	0.3768	0.3834	Lin1	-1.871	0.3933			0.0500				0.9980		0.9900
2,4-Dinitrotoluene	0.3421 0.4955	0.3790	0.4134	0.4518	0.4695	Ave		0.4252				14.0		15.0			
Dibenzofuran	1.6659 1.8218	1.6367	1.6124	1.7293	1.7455	Ave		1.7019				4.6		15.0			
Diethyl phthalate	1.2371 1.4615	1.3500	1.4084	1.4629	1.4644	Ave		1.3974				6.5		15.0			
Fluorene	1.1865 1.6058	1.2941	1.3385	1.4347	1.5033	Ave		1.3938				11.0		15.0			
4-Chlorophenyl phenyl ether	0.6311 0.8956	0.6928	0.6937	0.7432	0.8100	Ave		0.7444				13.0		15.0			
4-Nitroaniline	0.2763 0.3170	0.2719	0.2990	0.3181	0.3193	Ave		0.3003				7.2		15.0			
4,6-Dinitro-2-methylphenol	0.0999 0.1602	0.1333	0.1495	0.1625	0.1580	Lin1	-0.641	0.1650							1.0000		0.9900
N-Nitrosodiphenylamine	0.4650 0.5389	0.4724	0.4787	0.5099	0.5178	Ave		0.4971				5.9		15.0			
1,2-Diphenylhydrazine	1.0772 1.1966	1.0848	1.1352	1.1855	1.1887	Ave		1.1447				4.7		15.0			
4-Bromophenyl phenyl ether	0.2139 0.2681	0.2204	0.2309	0.2492	0.2495	Ave		0.2387				8.6		15.0			
Hexachlorobenzene	0.2285 0.2875	0.2388	0.2474	0.2675	0.2680	Ave		0.2563				8.5		15.0			
Pentachlorophenol	0.1070 0.1703	0.1150	0.1388	0.1637	0.1658	Lin1	-0.880	0.1723							0.9970		0.9900
Phenanthrene	1.1534 1.1593	1.0493	1.0802	1.1539	1.1142	Ave		1.1184				4.1		15.0			
Anthracene	1.0875 1.1618	1.0606	1.0905	1.1662	1.1173	Ave		1.1140				3.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 31234

SDG No.: _____

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2011 15:02 Calibration End Date: 09/14/2011 16:59 Calibration ID: 3881

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbazole	0.8964 1.0000	0.8823	0.9362	0.9969	0.9709	Ave		0.9471				5.3		15.0			
Di-n-butyl phthalate	1.0935 1.2639	1.0894	1.1473	1.2441	1.2347	Ave		1.1788				6.7		15.0			
Fluoranthene	1.1374 1.3416	1.1979	1.2227	1.3038	1.3249	Ave		1.2547				6.5		15.0			
Benzidine	0.5396 0.5562	0.5404	0.4702	0.6119	0.5619	Ave		0.5467				8.4		15.0			
Pyrene	1.1591 1.2252	1.1432	1.1482	1.2257	1.1829	Ave		1.1807				3.2		15.0			
Butyl benzyl phthalate	0.4370 0.6218	0.4826	0.5312	0.5772	0.5809	Ave		0.5384				13.0		15.0			
3,3'-Dichlorobenzidine	0.4189 0.5180	0.4315	0.4635	0.5074	0.4965	Ave		0.4726				8.7		15.0			
Bis(2-ethylhexyl) phthalate	0.6439 0.7739	0.6484	0.6903	0.7308	0.7323	Ave		0.7033				7.3		15.0			
Benzo(a)anthracene	1.1831 1.2147	1.1387	1.1588	1.2046	1.1885	Ave		1.1814				2.4		15.0			
Chrysene	1.0332 1.1548	1.0343	1.0800	1.1589	1.1096	Ave		1.0951				5.1		15.0			
Di-n-octyl phthalate	0.9058 1.1012	0.9659	1.0399	1.1092	1.0874	Ave		1.0349				8.0		15.0			
Benzo(b)fluoranthene	1.1039 1.3104	1.1321	1.2422	1.2444	1.3013	Ave		1.2224				7.0		15.0			
Benzo(k)fluoranthene	1.3067 1.3704	1.1432	1.1473	1.2754	1.2368	Ave		1.2466				7.2		15.0			
Benzo(a)pyrene	0.8841 1.1114	0.9755	0.9916	1.0524	1.0802	Ave		1.0159				8.1		15.0			
Indeno(1,2,3-cd)pyrene	1.1614 1.5319	1.1886	1.2512	1.3653	1.4623	Ave		1.3268				11.0		15.0			
Dibenz(a,h)anthracene	1.0317 1.3499	1.0283	1.0562	1.1699	1.2737	Ave		1.1516				12.0		15.0			
Benzo(g,h,i)perylene	0.9927 1.0093	0.9608	0.9342	0.9603	0.9837	Ave		0.9735				2.8		15.0			
2-Fluorophenol	1.0183 1.2161	1.1277	1.1154	1.1662	1.1414	Ave		1.1309				5.8		15.0			
Phenol-d5	1.2626 1.4700	1.3301	1.3038	1.4243	1.3933	Ave		1.3640				5.8		15.0			
Nitrobenzene-d5	0.3244 0.3965	0.3705	0.3660	0.3933	0.3855	Ave		0.3727				7.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 31234

SDG No.: _____

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2011 15:02 Calibration End Date: 09/14/2011 16:59 Calibration ID: 3881

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Fluorobiphenyl	1.2526 1.3380	1.2228	1.2907	1.3385	1.3107	Ave		1.2922				3.6		15.0			
2,4,6-Tribromophenol	0.1006 0.1358	0.1101	0.1203	0.1257	0.1253	Ave		0.1196				10.0		15.0			
p-Terphenyl-d14	0.8670 0.9663	0.8370	0.8756	0.9154	0.9284	Ave		0.8983				5.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 31234

SDG No.: _____

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2011 15:02 Calibration End Date: 09/14/2011 16:59 Calibration ID: 3881

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-31234/7	U4144.D
Level 2	IC 480-31234/6	U4143.D
Level 3	ICIS 480-31234/5	U4142.D
Level 4	IC 480-31234/4	U4141.D
Level 5	IC 480-31234/3	U4140.D
Level 6	IC 480-31234/2	U4139.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
N-Nitrosodimethylamine	DCB	Ave	16222 612144	69423	192110	289248	421437	5.00 160	20.0	50.0	80.0	120
Pyridine	DCB	Ave	14776 532509	59220	178479	241360	374428	5.00 160	20.0	50.0	80.0	120
Aniline	DCB	Ave	25024 901666	98856	267805	409088	647856	5.00 160	20.0	50.0	80.0	120
Phenol	DCB	Ave	20100 769872	86006	240205	363195	544591	5.00 160	20.0	50.0	80.0	120
Bis (2-chloroethyl) ether	DCB	Ave	13742 511449	61836	162209	239828	357999	5.00 160	20.0	50.0	80.0	120
2-Chlorophenol	DCB	Ave	19886 679032	74618	204977	304964	468227	5.00 160	20.0	50.0	80.0	120
1,3-Dichlorobenzene	DCB	Ave	24986 817132	96538	257988	375128	566929	5.00 160	20.0	50.0	80.0	120
1,4-Dichlorobenzene	DCB	Ave	24381 823178	92745	273476	387245	591049	5.00 160	20.0	50.0	80.0	120
Benzyl alcohol	DCB	Ave	10476 465492	46735	138398	197894	317970	5.00 160	20.0	50.0	80.0	120
1,2-Dichlorobenzene	DCB	Ave	22411 769178	86504	244821	362687	552605	5.00 160	20.0	50.0	80.0	120
2-Methylphenol	DCB	Ave	14258 585351	63407	173619	266557	406896	5.00 160	20.0	50.0	80.0	120
bis (2-chloroisopropyl) ether	DCB	Ave	30616 1194197	135049	373253	552707	840145	5.00 160	20.0	50.0	80.0	120
N-Nitrosodi-n-propylamine	DCB	Ave	10633 403894	47085	131284	188837	286407	5.00 160	20.0	50.0	80.0	120
4-Methylphenol	DCB	Ave	16406 579928	63670	176698	268723	408930	5.00 160	20.0	50.0	80.0	120
Hexachloroethane	DCB	Ave	9185 321247	33598	101656	151603	227491	5.00 160	20.0	50.0	80.0	120
Nitrobenzene	NPT	Ave	19362 698703	79265	222103	324473	493710	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 31234

SDG No.: _____

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2011 15:02 Calibration End Date: 09/14/2011 16:59 Calibration ID: 3881

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Isophorone	NPT	Ave	28533 1148820	130978	361723	526329	802180	5.00 160	20.0	50.0	80.0	120
2-Nitrophenol	NPT	Ave	9703 359571	37781	111753	168983	260897	5.00 160	20.0	50.0	80.0	120
2,4-Dimethylphenol	NPT	Ave	19818 743952	79152	234131	342804	535069	5.00 160	20.0	50.0	80.0	120
Tetraethyl lead	NPT	Ave	10961 414520	53571	118217	200316	309939	5.00 160	20.0	50.0	80.0	120
Bis(2-chloroethoxy)methane	NPT	Ave	16961 555628	62502	184657	262929	394934	5.00 160	20.0	50.0	80.0	120
2,4-Dichlorophenol	NPT	Ave	15282 599903	65063	182466	271808	422976	5.00 160	20.0	50.0	80.0	120
Benzoic acid	NPT	Ave	224566 1501551	289181	431343	653119	1049388	100 480	120	150	240	360
1,2,4-Trichlorobenzene	NPT	Ave	19089 664660	74907	218165	307034	484618	5.00 160	20.0	50.0	80.0	120
Naphthalene	NPT	Ave	51980 1826621	211344	593788	858525	1303762	5.00 160	20.0	50.0	80.0	120
4-Chloroaniline	NPT	Ave	20614 747229	88867	232702	342581	544056	5.00 160	20.0	50.0	80.0	120
Hexachlorobutadiene	NPT	Ave	15162 545379	58541	169182	249250	382294	5.00 160	20.0	50.0	80.0	120
4-Chloro-3-methylphenol	NPT	Ave	16076 630509	67868	191697	284947	445504	5.00 160	20.0	50.0	80.0	120
2-Methylnaphthalene	NPT	Ave	39577 1353219	146460	420629	620364	958280	5.00 160	20.0	50.0	80.0	120
Hexachlorocyclopentadiene	ANT	Lin1	11449 635476	55308	180499	268850	440935	5.00 160	20.0	50.0	80.0	120
2,4,6-Trichlorophenol	ANT	Ave	11209 478141	54500	149909	216429	336988	5.00 160	20.0	50.0	80.0	120
2,4,5-Trichlorophenol	ANT	Ave	13460 501168	52550	156208	233013	362247	5.00 160	20.0	50.0	80.0	120
2-Chloronaphthalene	ANT	Ave	36857 1355796	151945	437110	622782	970040	5.00 160	20.0	50.0	80.0	120
2-Nitroaniline	ANT	Ave	9710 432220	44013	132471	200556	311418	5.00 160	20.0	50.0	80.0	120
Dimethyl phthalate	ANT	Ave	45765 1687218	189637	524431	771754	1222193	5.00 160	20.0	50.0	80.0	120
2,6-Dinitrotoluene	ANT	Ave	8287 365313	37885	107414	161063	256552	5.00 160	20.0	50.0	80.0	120
Acenaphthylene	ANT	Ave	54221 2035045	233492	652846	943633	1478681	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 31234

SDG No.: _____

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2011 15:02 Calibration End Date: 09/14/2011 16:59 Calibration ID: 3881

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
3-Nitroaniline	ANT	Ave	8321 383476	41210	122119	169729	277583	5.00 160	20.0	50.0	80.0	120
Acenaphthene	ANT	Ave	36173 1339984	147840	410976	613614	970742	5.00 160	20.0	50.0	80.0	120
2,4-Dinitrophenol	ANT	Lin1	2551 196559	12417	58997	94818	148382	10.0 160	20.0	50.0	80.0	120
4-Nitrophenol	ANT	Lin1	17154 460453	39777	129108	207990	333999	10.0 160	20.0	50.0	80.0	120
2,4-Dinitrotoluene	ANT	Ave	12165 595638	54126	162649	249402	408952	5.00 160	20.0	50.0	80.0	120
Dibenzofuran	ANT	Ave	59244 2190225	233764	634435	954528	1520551	5.00 160	20.0	50.0	80.0	120
Diethyl phthalate	ANT	Ave	43994 1757050	192818	554192	807474	1275712	5.00 160	20.0	50.0	80.0	120
Fluorene	ANT	Ave	42195 1930474	184835	526691	791906	1309564	5.00 160	20.0	50.0	80.0	120
4-Chlorophenyl phenyl ether	ANT	Ave	22442 1076749	98955	272948	410237	705612	5.00 160	20.0	50.0	80.0	120
4-Nitroaniline	ANT	Ave	9826 381130	38839	117665	175578	278128	5.00 160	20.0	50.0	80.0	120
4,6-Dinitro-2-methylphenol	PHN	Lin1	12594 352466	35091	109196	163556	260952	10.0 160	20.0	50.0	80.0	120
N-Nitrosodiphenylamine	PHN	Ave	29312 1185518	124378	349661	513365	855258	5.00 160	20.0	50.0	80.0	120
1,2-Diphenylhydrazine	ANT	Ave	38307 1438527	154935	446692	654356	1035502	5.00 160	20.0	50.0	80.0	120
4-Bromophenyl phenyl ether	PHN	Ave	13484 589733	58023	168673	250865	412121	5.00 160	20.0	50.0	80.0	120
Hexachlorobenzene	PHN	Ave	14404 632345	62875	180752	269348	442701	5.00 160	20.0	50.0	80.0	120
Pentachlorophenol	PHN	Lin1	13490 374578	30288	101409	164803	273833	10.0 160	20.0	50.0	80.0	120
Phenanthrene	PHN	Ave	72706 2550223	276263	789100	1161733	1840283	5.00 160	20.0	50.0	80.0	120
Anthracene	PHN	Ave	68551 2555516	279235	796601	1174055	1845422	5.00 160	20.0	50.0	80.0	120
Carbazole	PHN	Ave	56504 2199649	232301	683870	1003602	1603558	5.00 160	20.0	50.0	80.0	120
Di-n-butyl phthalate	PHN	Ave	68929 2780199	286840	838111	1252503	2039401	5.00 160	20.0	50.0	80.0	120
Fluoranthene	PHN	Ave	71699 2951058	315402	893150	1312568	2188364	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 31234

SDG No.: _____

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2011 15:02 Calibration End Date: 09/14/2011 16:59 Calibration ID: 3881

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Benzidine	CRY	Ave	36777 1348009	147156	362796	666631	1027316	5.00 160	20.0	50.0	80.0	120
Pyrene	CRY	Ave	78997 2969433	311305	885967	1335359	2162549	5.00 160	20.0	50.0	80.0	120
Butyl benzyl phthalate	CRY	Ave	29785 1506934	131410	409885	628777	1061969	5.00 160	20.0	50.0	80.0	120
3,3'-Dichlorobenzidine	CRY	Ave	28550 1255496	117493	357634	552778	907735	5.00 160	20.0	50.0	80.0	120
Bis(2-ethylhexyl) phthalate	CRY	Ave	43881 1875536	176566	532665	796145	1338697	5.00 160	20.0	50.0	80.0	120
Benzo(a)anthracene	CRY	Ave	80633 2943878	310079	894093	1312298	2172793	5.00 160	20.0	50.0	80.0	120
Chrysene	CRY	Ave	70417 2798754	281666	833310	1262567	2028548	5.00 160	20.0	50.0	80.0	120
Di-n-octyl phthalate	CRY	Ave	61732 2668819	263033	802374	1208356	1987918	5.00 160	20.0	50.0	80.0	120
Benzo(b)fluoranthene	PRY	Ave	75920 2985272	319285	970647	1358563	2246021	5.00 160	20.0	50.0	80.0	120
Benzo(k)fluoranthene	PRY	Ave	89862 3122110	322422	896535	1392353	2134819	5.00 160	20.0	50.0	80.0	120
Benzo(a)pyrene	PRY	Ave	60800 2531984	275128	774835	1148946	1864482	5.00 160	20.0	50.0	80.0	120
Indeno(1,2,3-cd)pyrene	PRY	Ave	79869 3490076	335226	977723	1490540	2523937	5.00 160	20.0	50.0	80.0	120
Dibenz(a,h)anthracene	PRY	Ave	70950 3075371	290008	825281	1277217	2198489	5.00 160	20.0	50.0	80.0	120
Benzo(g,h,i)perylene	PRY	Ave	68268 2299472	270970	729972	1048407	1697932	5.00 160	20.0	50.0	80.0	120
2-Fluorophenol	DCB	Ave	14981 593834	64659	185139	267325	408276	5.00 160	20.0	50.0	80.0	120
Phenol-d5	DCB	Ave	18574 717797	76264	216414	326498	498366	5.00 160	20.0	50.0	80.0	120
Nitrobenzene-d5	NPT	Ave	17371 689717	78171	215387	327340	494020	5.00 160	20.0	50.0	80.0	120
2-Fluorobiphenyl	ANT	Ave	44545 1608603	174645	507863	738786	1141775	5.00 160	20.0	50.0	80.0	120
2,4,6-Tribromophenol	PHN	Ave	6339 298775	28978	87855	126566	206992	5.00 160	20.0	50.0	80.0	120
p-Terphenyl-d14	CRY	Ave	59090 2341961	227927	675618	997235	1697241	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 31234
SDG No.: _____
Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 09/14/2011 15:02 Calibration End Date: 09/14/2011 16:59 Calibration ID: 3881

Curve Type Legend:

Ave = Average ISTD Lin1 = Linear 1/conc ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4139.D
 Lims ID: IC - 8270 160 PT Client ID:
 Inject. Date: 14-Sep-2011 15:02:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 480-0005961-002
 Misc. Info.: IC - 8270 160 PT
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 31234 Lims Sample ID: 2
 Sublist: chrom-U-8270*sub11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U-8270.m
 Last Update: 15-Sep-2011 09:43:43 Calib Date: 14-Sep-2011 21:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 15-Sep-2011 09:43:43

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.821	5.822	-0.001	95	122074	40.0	
* 2 Naphthalene-d8	136	7.547	7.542	0.005	98	434875	40.0	
* 3 Acenaphthene-d10	164	9.817	9.818	-0.001	65	300551	40.0	
* 4 Phenanthrene-d10	188	11.522	11.522	0.0	97	549927	40.0	
* 5 Chrysene-d12	240	14.000	13.990	0.010	85	605884	40.0	
* 6 Perylene-d12	264	15.277	15.272	0.005	97	569549	40.0	
\$ 9 2-Fluorophenol	112	3.968	3.963	0.005	96	593834	172.1	
\$ 10 Phenol-d5	99	5.362	5.352	0.010	80	717797	172.4	
\$ 11 Nitrobenzene-d5	82	6.585	6.586	-0.001	85	689717	170.2	
\$ 12 2-Fluorobiphenyl	172	8.968	8.963	0.005	99	1608603	165.7	
\$ 13 2,4,6-Tribromophenol	330	10.774	10.769	0.005	97	298775	181.7	
\$ 14 p-Terphenyl-d14	244	13.060	13.060	0.0	98	2341961	172.1	
81 N-Nitrosodimethylamine	42	2.082	2.082	0.0	58	612144	168.0	
82 Pyridine	52	2.141	2.141	0.0	61	532509	166.1	
90 Aniline	93	5.367	5.362	0.005	78	901666	169.1	
89 Phenol	94	5.383	5.373	0.010	78	769872	168.2	
91 Bis(2-chloroethyl)ether	93	5.464	5.458	0.006	95	511449	165.3	
93 2-Chlorophenol	128	5.544	5.538	0.006	89	679032	168.6	
94 1,3-Dichlorobenzene	146	5.747	5.747	0.0	93	817132	163.4	
95 1,4-Dichlorobenzene	146	5.843	5.843	0.0	89	823178	162.7	
96 Benzyl alcohol	108	6.035	6.030	0.005	77	465492	180.6	
97 1,2-Dichlorobenzene	146	6.062	6.057	0.005	80	769178	164.2	
98 2-Methylphenol	108	6.217	6.212	0.005	84	585351	173.8	
99 2,2'-oxybis[1-chloropropane]	45	6.222	6.222	0.0	80	1194197	169.0	
101 N-Nitrosodi-n-propylamine	70	6.404	6.399	0.005	92	403894	165.9	
102 4-Methylphenol	108	6.436	6.425	0.011	88	579928	167.8	
106 Hexachloroethane	117	6.516	6.521	-0.005	86	321247	167.2	
107 Nitrobenzene	77	6.612	6.607	0.005	88	698703	168.3	
110 Isophorone	82	6.943	6.938	0.005	90	1148820	172.0	
111 2-Nitrophenol	139	7.045	7.045	0.0	79	359571	170.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.146	7.141	0.005	95	743952	171.1	
113 Tetraethyl lead	237	7.189	7.189	0.0	89	414520	165.7	
115 Bis(2-chloroethoxy)methane	93	7.248	7.243	0.005	93	555628	164.0	
119 Benzoic acid	105	7.467	7.382	0.085	88	1501551	550.7	
117 2,4-Dichlorophenol	162	7.387	7.382	0.005	94	599903	173.8	
120 1,2,4-Trichlorobenzene	180	7.483	7.478	0.005	90	664660	165.9	
121 Naphthalene	128	7.574	7.574	0.0	96	1826621	165.8	
123 4-Chloroaniline	127	7.665	7.659	0.006	83	747229	167.1	
126 Hexachlorobutadiene	225	7.766	7.766	0.0	96	545379	171.1	
131 4-Chloro-3-methylphenol	107	8.332	8.327	0.005	95	630509	174.0	
133 2-Methylnaphthalene	142	8.482	8.482	0.0	86	1353219	169.0	
136 Hexachlorocyclopentadiene	237	8.706	8.706	0.0	97	635476	166.3	
139 2,4,6-Trichlorophenol	196	8.867	8.867	0.0	93	478141	169.4	
140 2,4,5-Trichlorophenol	196	8.920	8.915	0.005	97	501168	166.9	
143 2-Chloronaphthalene	162	9.107	9.107	0.0	99	1355796	164.5	
145 2-Nitroaniline	65	9.257	9.246	0.010	76	432220	172.7	
147 Dimethyl phthalate	163	9.502	9.492	0.010	97	1687218	165.3	
148 2,6-Dinitrotoluene	165	9.566	9.561	0.005	81	365313	175.6	
149 Acenaphthylene	152	9.636	9.631	0.005	92	2035045	163.8	
150 3-Nitroaniline	138	9.785	9.775	0.010	87	383476	172.2	
151 Acenaphthene	153	9.866	9.860	0.006	92	1339984	166.2	
152 2,4-Dinitrophenol	184	9.914	9.908	0.006	76	196559	154.0	
153 4-Nitrophenol	109	10.036	10.026	0.010	87	460453	160.6	
154 2,4-Dinitrotoluene	165	10.079	10.069	0.010	52	595638	186.4	
155 Dibenzofuran	168	10.079	10.074	0.005	84	2190225	171.3	
160 Diethyl phthalate	149	10.378	10.373	0.005	97	1757050	167.3	
161 Fluorene	166	10.491	10.485	0.006	81	1930474	184.3	
162 4-Chlorophenyl phenyl ether	204	10.496	10.491	0.005	87	1076749	192.5	
164 4-Nitroaniline	138	10.539	10.523	0.016	62	381130	168.9	
166 4,6-Dinitro-2-methylphenol	198	10.576	10.560	0.016	72	352466	159.3	
167 N-Nitrosodiphenylamine	169	10.640	10.630	0.010	99	1185518	173.5	
168 1,2-Diphenylhydrazine	77	10.678	10.672	0.006	91	1438527	167.3	
176 4-Bromophenyl phenyl ether	248	11.046	11.041	0.005	92	589733	179.7	
177 Hexachlorobenzene	284	11.132	11.126	0.006	91	632345	179.5	
181 Pentachlorophenol	266	11.345	11.340	0.005	85	374578	163.2	
185 Phenanthrene	178	11.548	11.549	0.0	96	2550223	165.9	
188 Anthracene	178	11.602	11.597	0.005	96	2555516	166.9	
189 Carbazole	167	11.773	11.768	0.005	84	2199649	168.9	
192 Di-n-butyl phthalate	149	12.120	12.120	0.0	99	2780199	171.5	
197 Fluoranthene	202	12.724	12.718	0.006	95	2951058	171.1	
198 Benzidine	184	12.836	12.831	0.005	97	1348009	162.8	
199 Pyrene	202	12.932	12.927	0.005	97	2969433	166.0	
205 Butyl benzyl phthalate	149	13.488	13.482	0.006	96	1506934	184.8	
208 3,3'-Dichlorobenzidine	252	13.958	13.953	0.005	97	1255496	175.4	
210 Bis(2-ethylhexyl) phthalate	149	13.974	13.969	0.005	93	1875536	176.1	
209 Benzo[a]anthracene	228	13.990	13.985	0.005	84	2943878	164.5	
211 Chrysene	228	14.027	14.017	0.010	89	2798754	168.7	
212 Di-n-octyl phthalate	149	14.503	14.497	0.006	99	2668819	170.3	
213 Benzo[b]fluoranthene	252	14.925	14.914	0.011	91	2985272	171.5	
214 Benzo[k]fluoranthene	252	14.951	14.941	0.010	96	3122110	175.9	
217 Benzo[a]pyrene	252	15.234	15.224	0.010	99	2531984	175.0	
219 Indeno[1,2,3-cd]pyrene	276	16.420	16.399	0.021	82	3490076	184.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
220 Dibenz(a,h)anthracene	278	16.426	16.399	0.027	58	3075371	187.6	
221 Benzo[g,h,i]perylene	276	16.746	16.725	0.021	90	2299472	165.9	
S 222 Total Cresols	1				0		341.7	
S 77 3 & 4 Methylphenol	108				0		167.8	
S 78 3-Methylphenol	1				0		167.8	

Report Date: 15-Sep-2011 09:43:43

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4139.D

Injection Date: 14-Sep-2011 15:02:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973U

Lims Batch ID: 31234

Lims Sample ID: 2

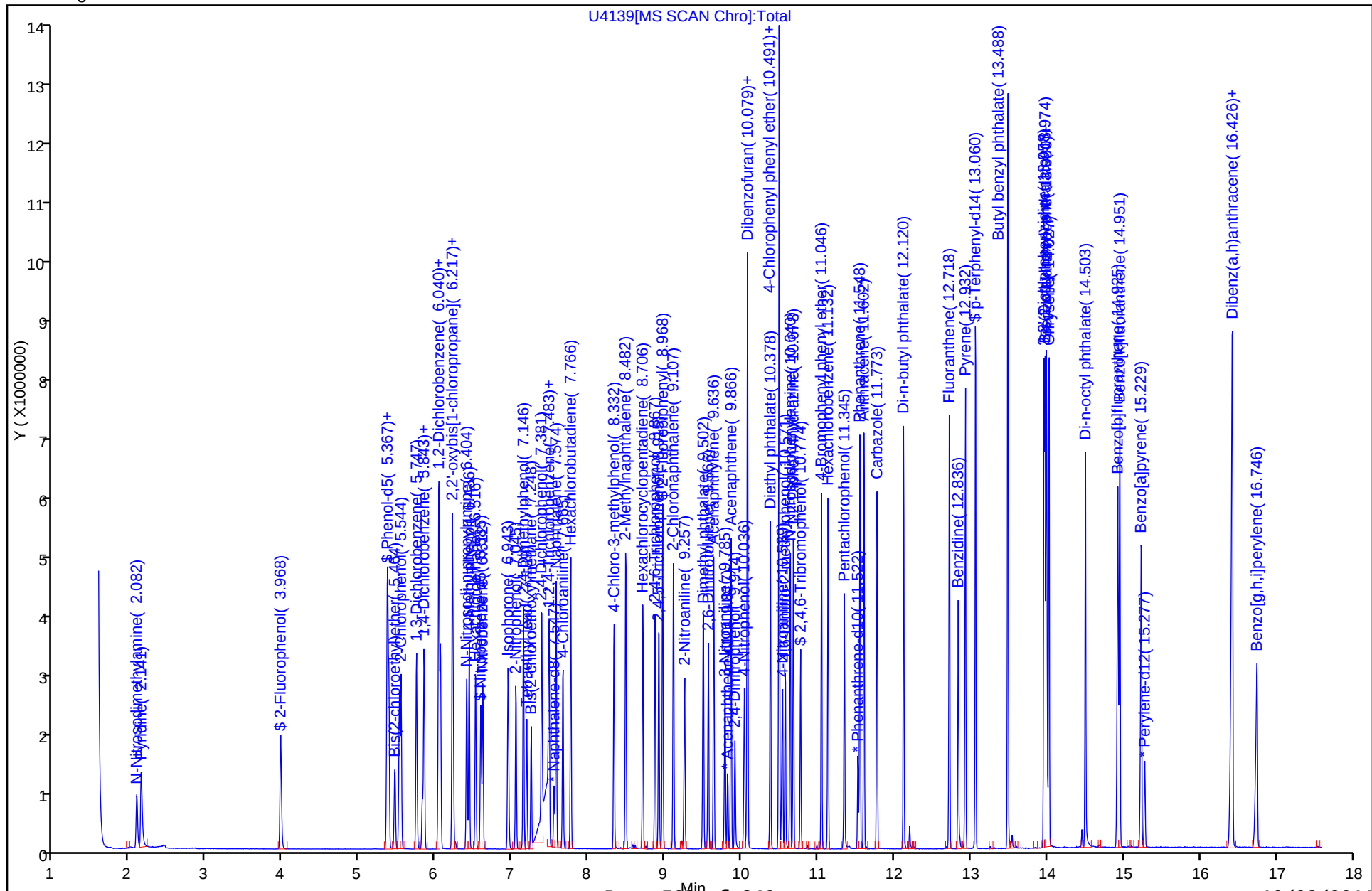
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4140.D
 Lims ID: IC - 8270 120 PT Client ID:
 Inject. Date: 14-Sep-2011 15:25:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 480-0005961-003
 Misc. Info.: IC - 8270 120 PT
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 31234 Lims Sample ID: 3
 Sublist: chrom-U-8270*sub11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U-8270.m
 Last Update: 15-Sep-2011 09:43:53 Calib Date: 14-Sep-2011 21:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 15-Sep-2011 09:43:53

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.822	5.822	0.0	94	119230	40.0	
* 2 Naphthalene-d8	136	7.547	7.542	0.005	98	427200	40.0	
* 3 Acenaphthene-d10	164	9.818	9.818	0.0	69	290375	40.0	
* 4 Phenanthrene-d10	188	11.522	11.522	0.0	97	550560	40.0	
* 5 Chrysene-d12	240	14.001	13.990	0.011	83	609396	40.0	
* 6 Perylene-d12	264	15.277	15.272	0.005	97	575348	40.0	
\$ 9 2-Fluorophenol	112	3.968	3.963	0.005	96	408276	121.1	
\$ 10 Phenol-d5	99	5.362	5.352	0.010	80	498366	122.6	
\$ 11 Nitrobenzene-d5	82	6.586	6.586	0.0	83	494020	124.1	
\$ 12 2-Fluorobiphenyl	172	8.968	8.963	0.005	99	1141775	121.7	
\$ 13 2,4,6-Tribromophenol	330	10.774	10.769	0.005	96	206992	125.7	
\$ 14 p-Terphenyl-d14	244	13.060	13.060	0.0	98	1697241	124.0	
81 N-Nitrosodimethylamine	42	2.087	2.082	0.005	59	421437	118.4	
82 Pyridine	52	2.146	2.141	0.005	59	374428	119.6	
90 Aniline	93	5.368	5.362	0.006	77	647856	124.4	
89 Phenol	94	5.384	5.373	0.011	78	544591	121.8	
91 Bis(2-chloroethyl)ether	93	5.464	5.458	0.006	97	357999	118.4	
93 2-Chlorophenol	128	5.544	5.538	0.006	87	468227	119.0	
94 1,3-Dichlorobenzene	146	5.747	5.747	0.0	93	566929	116.1	
95 1,4-Dichlorobenzene	146	5.843	5.843	0.0	88	591049	119.6	
96 Benzyl alcohol	108	6.035	6.030	0.005	78	317970	126.3	
97 1,2-Dichlorobenzene	146	6.062	6.057	0.005	88	552605	120.8	
98 2-Methylphenol	108	6.217	6.212	0.005	83	406896	123.7	
99 2,2'-oxybis[1-chloropropane]	45	6.222	6.222	0.0	81	840145	121.7	
101 N-Nitrosodi-n-propylamine	70	6.404	6.399	0.005	91	286407	120.4	
102 4-Methylphenol	108	6.436	6.425	0.011	87	408930	121.2	
106 Hexachloroethane	117	6.516	6.521	-0.005	86	227491	121.2	
107 Nitrobenzene	77	6.612	6.607	0.005	88	493710	121.0	
110 Isophorone	82	6.943	6.938	0.005	89	802180	122.2	
111 2-Nitrophenol	139	7.045	7.045	0.0	80	260897	126.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.146	7.141	0.005	96	535069	125.2	
113 Tetraethyl lead	237	7.189	7.189	0.0	89	309939	126.2	
115 Bis(2-chloroethoxy)methane	93	7.248	7.243	0.005	94	394934	118.6	
119 Benzoic acid	105	7.440	7.382	0.058	85	1049388	391.8	
117 2,4-Dichlorophenol	162	7.382	7.382	0.0	94	422976	124.7	
120 1,2,4-Trichlorobenzene	180	7.478	7.478	0.0	92	484618	123.1	
121 Naphthalene	128	7.574	7.574	0.0	96	1303762	120.5	
123 4-Chloroaniline	127	7.659	7.659	0.0	83	544056	123.9	
126 Hexachlorobutadiene	225	7.766	7.766	0.0	96	382294	122.1	
131 4-Chloro-3-methylphenol	107	8.327	8.327	0.0	96	445504	125.1	
133 2-Methylnaphthalene	142	8.482	8.482	0.0	88	958280	121.8	
136 Hexachlorocyclopentadiene	237	8.706	8.706	0.0	96	440935	120.2	
139 2,4,6-Trichlorophenol	196	8.867	8.867	0.0	95	336988	123.5	
140 2,4,5-Trichlorophenol	196	8.915	8.915	0.0	95	362247	124.8	
143 2-Chloronaphthalene	162	9.107	9.107	0.0	99	970040	121.8	
145 2-Nitroaniline	65	9.251	9.246	0.005	77	311418	128.8	
147 Dimethyl phthalate	163	9.497	9.492	0.005	96	1222193	123.9	
148 2,6-Dinitrotoluene	165	9.561	9.561	0.0	80	256552	127.6	
149 Acenaphthylene	152	9.636	9.631	0.005	91	1478681	123.2	
150 3-Nitroaniline	138	9.780	9.775	0.005	86	277583	129.0	
151 Acenaphthene	153	9.860	9.860	0.0	91	970742	124.6	
152 2,4-Dinitrophenol	184	9.914	9.908	0.006	76	148382	122.2	
153 4-Nitrophenol	109	10.031	10.026	0.005	85	333999	121.7	
154 2,4-Dinitrotoluene	165	10.074	10.069	0.005	66	408952	132.5	
155 Dibenzofuran	168	10.079	10.074	0.005	85	1520551	123.1	
160 Diethyl phthalate	149	10.379	10.373	0.006	97	1275712	125.8	
161 Fluorene	166	10.491	10.485	0.006	88	1309564	129.4	
162 4-Chlorophenyl phenyl ether	204	10.491	10.491	0.0	72	705612	130.6	
164 4-Nitroaniline	138	10.533	10.523	0.010	41	278128	127.6	
166 4,6-Dinitro-2-methylphenol	198	10.571	10.560	0.011	71	260952	118.8	
167 N-Nitrosodiphenylamine	169	10.635	10.630	0.005	98	855258	125.0	
168 1,2-Diphenylhydrazine	77	10.678	10.672	0.006	90	1035502	124.6	
176 4-Bromophenyl phenyl ether	248	11.046	11.041	0.005	94	412121	125.5	
177 Hexachlorobenzene	284	11.132	11.126	0.006	91	442701	125.5	
181 Pentachlorophenol	266	11.345	11.340	0.005	85	273833	120.5	
185 Phenanthrene	178	11.548	11.549	0.0	96	1840283	119.5	
188 Anthracene	178	11.602	11.597	0.005	96	1845422	120.4	
189 Carbazole	167	11.773	11.768	0.005	84	1603558	123.0	
192 Di-n-butyl phthalate	149	12.120	12.120	0.0	99	2039401	125.7	
197 Fluoranthene	202	12.718	12.718	0.0	95	2188364	126.7	
198 Benzidine	184	12.836	12.831	0.005	97	1027316	123.3	
199 Pyrene	202	12.932	12.927	0.005	97	2162549	120.2	
205 Butyl benzyl phthalate	149	13.488	13.482	0.006	96	1061969	129.5	
208 3,3'-Dichlorobenzidine	252	13.958	13.953	0.005	97	907735	126.1	
210 Bis(2-ethylhexyl) phthalate	149	13.974	13.969	0.005	93	1338697	124.9	
209 Benzo[a]anthracene	228	13.990	13.985	0.005	87	2172793	120.7	
211 Chrysene	228	14.022	14.017	0.005	91	2028548	121.6	
212 Di-n-octyl phthalate	149	14.497	14.497	0.0	99	1987918	126.1	
213 Benzo[b]fluoranthene	252	14.925	14.914	0.011	90	2246021	127.7	
214 Benzo[k]fluoranthene	252	14.946	14.941	0.005	96	2134819	119.1	
217 Benzo[a]pyrene	252	15.229	15.224	0.005	100	1864482	127.6	
219 Indeno[1,2,3-cd]pyrene	276	16.415	16.399	0.016	83	2523937	132.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
220 Dibenz(a,h)anthracene	278	16.415	16.399	0.016	60	2198489	132.7	
221 Benzo[g,h,i]perylene	276	16.741	16.725	0.016	88	1697932	121.3	
S 222 Total Cresols	1				0		244.9	
S 77 3 & 4 Methylphenol	108				0		121.2	
S 78 3-Methylphenol	1				0		121.2	

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4140.D

Injection Date: 14-Sep-2011 15:25:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973U

Lims Batch ID: 31234

Lims Sample ID: 3

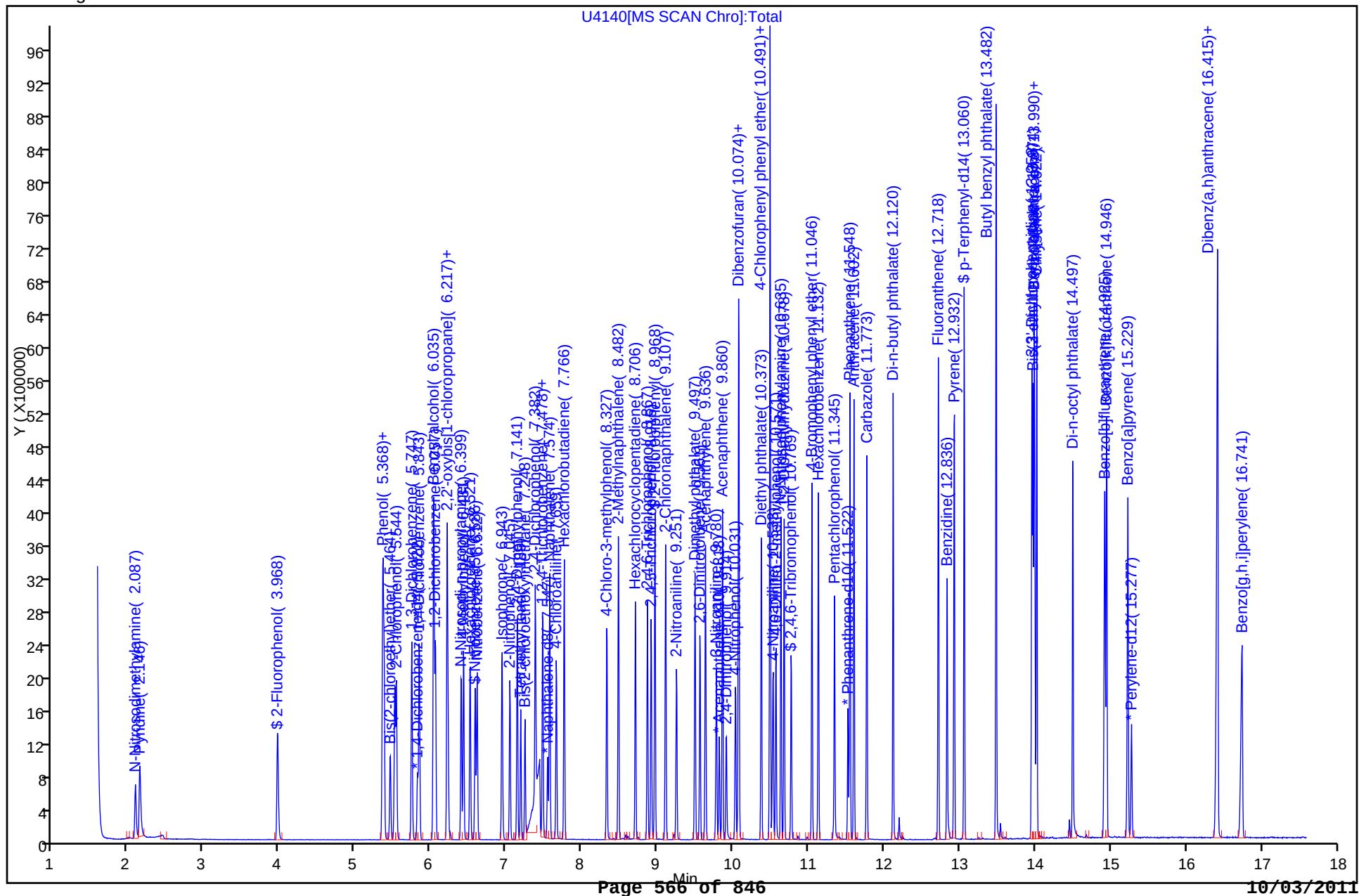
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4141.D
 Lims ID: IC - 8270 80 PT Client ID:
 Inject. Date: 14-Sep-2011 15:49:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 480-0005961-004
 Misc. Info.: IC - 8270 80 PT
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 31234 Lims Sample ID: 4
 Sublist: chrom-U-8270*sub11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U-8270.m
 Last Update: 15-Sep-2011 09:44:02 Calib Date: 14-Sep-2011 21:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 15-Sep-2011 09:44:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.822	5.822	0.0	94	114616	40.0	
* 2 Naphthalene-d8	136	7.547	7.542	0.005	98	416111	40.0	
* 3 Acenaphthene-d10	164	9.818	9.818	0.0	96	275981	40.0	
* 4 Phenanthrene-d10	188	11.522	11.522	0.0	96	503375	40.0	
* 5 Chrysene-d12	240	13.995	13.990	0.005	87	544713	40.0	
* 6 Perylene-d12	264	15.272	15.272	0.0	97	545865	40.0	
\$ 9 2-Fluorophenol	112	3.968	3.963	0.005	94	267325	82.5	
\$ 10 Phenol-d5	99	5.357	5.352	0.005	83	326498	83.5	
\$ 11 Nitrobenzene-d5	82	6.585	6.586	-0.001	89	327340	84.4	
\$ 12 2-Fluorobiphenyl	172	8.968	8.963	0.005	99	738786	82.9	
\$ 13 2,4,6-Tribromophenol	330	10.768	10.769	-0.001	94	126566	84.1	
\$ 14 p-Terphenyl-d14	244	13.060	13.060	0.0	98	997235	81.5	
81 N-Nitrosodimethylamine	42	2.087	2.082	0.005	55	289248	84.5	
82 Pyridine	52	2.146	2.141	0.005	59	241360	80.2	
90 Aniline	93	5.362	5.362	0.0	77	409088	81.7	
89 Phenol	94	5.373	5.373	0.0	68	363195	84.5	
91 Bis(2-chloroethyl)ether	93	5.458	5.458	0.0	96	239828	82.5	
93 2-Chlorophenol	128	5.538	5.538	0.0	89	304964	80.6	
94 1,3-Dichlorobenzene	146	5.747	5.747	0.0	92	375128	79.9	
95 1,4-Dichlorobenzene	146	5.843	5.843	0.0	79	387245	81.5	
96 Benzyl alcohol	108	6.030	6.030	0.0	79	197894	81.8	
97 1,2-Dichlorobenzene	146	6.062	6.057	0.005	79	362687	82.5	
98 2-Methylphenol	108	6.212	6.212	0.0	86	266557	84.3	
99 2,2'-oxybis[1-chloropropane]	45	6.222	6.222	0.0	82	552707	83.3	
101 N-Nitrosodi-n-propylamine	70	6.399	6.399	-0.001	92	188837	82.6	
102 4-Methylphenol	108	6.431	6.425	0.006	84	268723	82.8	
106 Hexachloroethane	117	6.516	6.521	-0.005	89	151603	84.0	
107 Nitrobenzene	77	6.612	6.607	0.005	93	324473	81.7	
110 Isophorone	82	6.938	6.938	0.0	90	526329	82.3	
111 2-Nitrophenol	139	7.045	7.045	0.0	82	168983	83.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.141	7.141	0.0	95	342804	82.4	
113 Tetraethyl lead	237	7.189	7.189	0.0	87	200316	83.7	
115 Bis(2-chloroethoxy)methane	93	7.243	7.243	0.0	94	262929	81.1	
119 Benzoic acid	105	7.403	7.382	0.021	88	653119	250.4	
117 2,4-Dichlorophenol	162	7.381	7.382	-0.001	94	271808	82.3	
120 1,2,4-Trichlorobenzene	180	7.478	7.478	0.0	92	307034	80.1	
121 Naphthalene	128	7.574	7.574	0.0	96	858525	81.4	
123 4-Chloroaniline	127	7.659	7.659	0.0	91	342581	80.1	
126 Hexachlorobutadiene	225	7.766	7.766	0.0	94	249250	81.7	
131 4-Chloro-3-methylphenol	107	8.327	8.327	0.0	94	284947	82.2	
133 2-Methylnaphthalene	142	8.482	8.482	0.0	87	620364	81.0	
136 Hexachlorocyclopentadiene	237	8.706	8.706	0.0	96	268850	78.1	
139 2,4,6-Trichlorophenol	196	8.867	8.867	0.0	96	216429	83.5	
140 2,4,5-Trichlorophenol	196	8.915	8.915	0.0	96	233013	84.5	
143 2-Chloronaphthalene	162	9.107	9.107	0.0	99	622782	82.3	
145 2-Nitroaniline	65	9.251	9.246	0.005	73	200556	87.3	
147 Dimethyl phthalate	163	9.497	9.492	0.005	98	771754	82.3	
148 2,6-Dinitrotoluene	165	9.561	9.561	0.0	87	161063	84.3	
149 Acenaphthylene	152	9.636	9.631	0.005	92	943633	82.7	
150 3-Nitroaniline	138	9.775	9.775	0.0	86	169729	83.0	
151 Acenaphthene	153	9.860	9.860	0.0	93	613614	82.9	
152 2,4-Dinitrophenol	184	9.908	9.908	0.0	76	94818	84.9	
153 4-Nitrophenol	109	10.031	10.026	0.005	85	207990	81.4	
154 2,4-Dinitrotoluene	165	10.069	10.069	0.0	79	249402	85.0	
155 Dibenzofuran	168	10.074	10.074	0.0	84	954528	81.3	
160 Diethyl phthalate	149	10.373	10.373	0.0	96	807474	83.8	
161 Fluorene	166	10.485	10.485	0.0	91	791906	82.3	
162 4-Chlorophenyl phenyl ether	204	10.491	10.491	0.0	82	410237	79.9	
164 4-Nitroaniline	138	10.523	10.523	0.0	61	175578	84.7	
166 4,6-Dinitro-2-methylphenol	198	10.565	10.560	0.005	75	163556	82.7	
167 N-Nitrosodiphenylamine	169	10.635	10.630	0.005	98	513365	82.1	
168 1,2-Diphenylhydrazine	77	10.672	10.672	0.0	92	654356	82.9	
176 4-Bromophenyl phenyl ether	248	11.046	11.041	0.005	93	250865	83.5	
177 Hexachlorobenzene	284	11.126	11.126	0.0	90	269348	83.5	
181 Pentachlorophenol	266	11.345	11.340	0.005	87	164803	81.1	
185 Phenanthrene	178	11.548	11.549	0.0	95	1161733	82.5	
188 Anthracene	178	11.602	11.597	0.005	96	1174055	83.8	
189 Carbazole	167	11.773	11.768	0.005	83	1003602	84.2	
192 Di-n-butyl phthalate	149	12.120	12.120	0.0	100	1252503	84.4	
197 Fluoranthene	202	12.718	12.718	0.0	95	1312568	83.1	
198 Benzidine	184	12.836	12.831	0.005	97	666631	89.5	
199 Pyrene	202	12.927	12.927	0.0	98	1335359	83.0	
205 Butyl benzyl phthalate	149	13.482	13.482	0.0	97	628777	85.8	
208 3,3'-Dichlorobenzidine	252	13.952	13.953	-0.001	97	552778	85.9	
210 Bis(2-ethylhexyl) phthalate	149	13.968	13.969	-0.001	94	796145	83.1	
209 Benzo[a]anthracene	228	13.984	13.985	-0.001	92	1312298	81.6	
211 Chrysene	228	14.022	14.017	0.005	89	1262567	84.7	
212 Di-n-octyl phthalate	149	14.497	14.497	0.0	99	1208356	85.7	
213 Benzo[b]fluoranthene	252	14.919	14.914	0.005	90	1358563	81.4	
214 Benzo[k]fluoranthene	252	14.941	14.941	0.0	97	1392353	81.8	
217 Benzo[a]pyrene	252	15.224	15.224	0.0	99	1148946	82.9	
219 Indeno[1,2,3-cd]pyrene	276	16.405	16.399	0.006	90	1490540	82.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
220 Dibenz(a,h)anthracene	278	16.410	16.399	0.011	53	1277217	81.3	
221 Benzo[g,h,i]perylene	276	16.730	16.725	0.005	86	1048407	78.9	
S 222 Total Cresols	1				0		167.1	
S 77 3 & 4 Methylphenol	108				0		82.8	
S 78 3-Methylphenol	1				0		82.8	

Report Date: 15-Sep-2011 09:44:03

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4141.D

Injection Date: 14-Sep-2011 15:49:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973U

Lims Batch ID: 31234

Lims Sample ID: 4

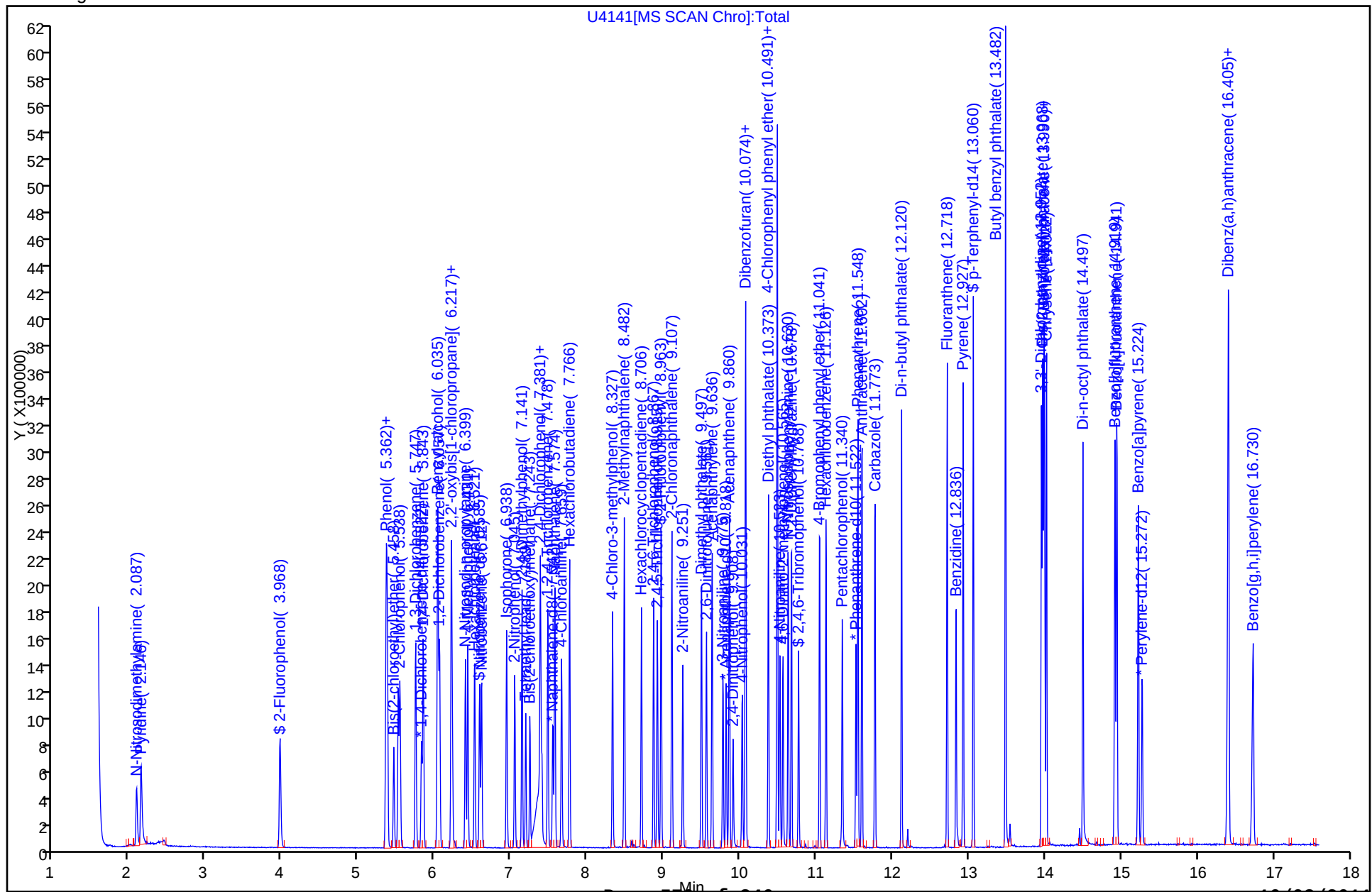
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4142.D
 Lims ID: ICIS - 8270 50 PT Client ID:
 Inject. Date: 14-Sep-2011 16:12:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 3
 Sample ID: 480-0005961-005
 Misc. Info.: ICIS - 8270 50 PT
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 31234 Lims Sample ID: 5
 Sublist: chrom-U-8270*sub11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U-8270.m
 Last Update: 15-Sep-2011 09:44:16 Calib Date: 14-Sep-2011 21:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 15-Sep-2011 09:44:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.822	5.822	0.0	94	132787	40.0	
* 2 Naphthalene-d8	136	7.542	7.542	0.0	98	470810	40.0	
* 3 Acenaphthene-d10	164	9.818	9.818	0.0	97	314784	40.0	
* 4 Phenanthrene-d10	188	11.522	11.522	0.0	97	584401	40.0	
* 5 Chrysene-d12	240	13.995	13.995	0.0	88	617280	40.0	
* 6 Perylene-d12	264	15.272	15.272	0.0	97	625119	40.0	
\$ 9 2-Fluorophenol	112	3.968	3.968	0.0	95	185139	49.3	
\$ 10 Phenol-d5	99	5.357	5.357	0.0	81	216414	47.8	
\$ 11 Nitrobenzene-d5	82	6.585	6.585	0.0	88	215387	49.1	
\$ 12 2-Fluorobiphenyl	172	8.963	8.963	0.0	99	507863	49.9	
\$ 13 2,4,6-Tribromophenol	330	10.768	10.768	0.0	93	87855	50.3	
\$ 14 p-Terphenyl-d14	244	13.060	13.060	0.0	98	675618	48.7	
81 N-Nitrosodimethylamine	42	2.087	2.087	0.0	59	192110	48.5	
82 Pyridine	52	2.146	2.146	0.0	59	178479	51.2	
90 Aniline	93	5.362	5.362	0.0	73	267805	46.2	
89 Phenol	94	5.373	5.373	0.0	71	240205	48.3	
91 Bis(2-chloroethyl)ether	93	5.458	5.458	0.0	93	162209	48.2	
93 2-Chlorophenol	128	5.538	5.538	0.0	86	204977	46.8	
94 1,3-Dichlorobenzene	146	5.747	5.747	0.0	89	257988	47.4	
95 1,4-Dichlorobenzene	146	5.843	5.843	0.0	81	273476	49.7	
96 Benzyl alcohol	108	6.030	6.030	0.0	82	138398	49.4	
97 1,2-Dichlorobenzene	146	6.062	6.062	0.0	72	244821	48.0	
98 2-Methylphenol	108	6.212	6.212	0.0	86	173619	47.4	
99 2,2'-oxybis[1-chloropropane]	45	6.222	6.222	0.0	81	373253	48.6	
101 N-Nitrosodi-n-propylamine	70	6.399	6.399	0.0	93	131284	49.6	
102 4-Methylphenol	108	6.425	6.425	0.0	86	176698	47.0	
106 Hexachloroethane	117	6.521	6.521	0.0	85	101656	48.6	
107 Nitrobenzene	77	6.607	6.607	0.0	91	222103	49.4	
110 Isophorone	82	6.938	6.938	0.0	90	361723	50.0	
111 2-Nitrophenol	139	7.045	7.045	0.0	83	111753	49.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.141	7.141	0.0	95	234131	49.7	
113 Tetraethyl lead	237	7.189	7.189	0.0	88	118217	43.7	
115 Bis(2-chloroethoxy)methane	93	7.243	7.243	0.0	94	184657	50.3	
119 Benzoic acid	105	7.376	7.376	0.0	71	431343	146.1	
117 2,4-Dichlorophenol	162	7.381	7.381	0.0	93	182466	48.8	
120 1,2,4-Trichlorobenzene	180	7.478	7.478	0.0	92	218165	50.3	
121 Naphthalene	128	7.574	7.574	0.0	77	593788	49.8	
123 4-Chloroaniline	127	7.659	7.659	0.0	80	232702	48.1	
126 Hexachlorobutadiene	225	7.766	7.766	0.0	94	169182	49.0	
131 4-Chloro-3-methylphenol	107	8.327	8.327	0.0	95	191697	48.9	
133 2-Methylnaphthalene	142	8.482	8.482	0.0	88	420629	48.5	
136 Hexachlorocyclopentadiene	237	8.706	8.706	0.0	96	180499	47.0	
139 2,4,6-Trichlorophenol	196	8.867	8.867	0.0	96	149909	50.7	
140 2,4,5-Trichlorophenol	196	8.915	8.915	0.0	97	156208	49.7	
143 2-Chloronaphthalene	162	9.107	9.107	0.0	98	437110	50.6	
145 2-Nitroaniline	65	9.246	9.246	0.0	73	132471	50.5	
147 Dimethyl phthalate	163	9.492	9.492	0.0	96	524431	49.0	
148 2,6-Dinitrotoluene	165	9.556	9.556	0.0	80	107414	49.3	
149 Acenaphthylene	152	9.631	9.631	0.0	90	652846	50.2	
150 3-Nitroaniline	138	9.775	9.775	0.0	87	122119	52.4	
151 Acenaphthene	153	9.860	9.860	0.0	91	410976	48.7	
152 2,4-Dinitrophenol	184	9.908	9.908	0.0	70	58997	50.2	
153 4-Nitrophenol	109	10.026	10.026	0.0	87	129108	46.5	
154 2,4-Dinitrotoluene	165	10.069	10.069	0.0	74	162649	48.6	
155 Dibenzofuran	168	10.074	10.074	0.0	88	634435	47.4	
160 Diethyl phthalate	149	10.368	10.368	0.0	96	554192	50.4	
161 Fluorene	166	10.485	10.485	0.0	89	526691	48.0	
162 4-Chlorophenyl phenyl ether	204	10.491	10.491	0.0	81	272948	46.6	
164 4-Nitroaniline	138	10.523	10.523	0.0	58	117665	49.8	
166 4,6-Dinitro-2-methylphenol	198	10.560	10.560	0.0	71	109196	49.2	
167 N-Nitrosodiphenylamine	169	10.630	10.630	0.0	97	349661	48.1	
168 1,2-Diphenylhydrazine	77	10.672	10.672	0.0	90	446692	49.6	
176 4-Bromophenyl phenyl ether	248	11.046	11.046	0.0	94	168673	48.4	
177 Hexachlorobenzene	284	11.126	11.126	0.0	89	180752	48.3	
181 Pentachlorophenol	266	11.340	11.340	0.0	83	101409	45.4	
185 Phenanthrene	178	11.543	11.543	0.0	94	789100	48.3	
188 Anthracene	178	11.597	11.597	0.0	96	796601	48.9	
189 Carbazole	167	11.767	11.767	0.0	84	683870	49.4	
192 Di-n-butyl phthalate	149	12.120	12.120	0.0	100	838111	48.7	
197 Fluoranthene	202	12.718	12.718	0.0	94	893150	48.7	
198 Benzidine	184	12.831	12.831	0.0	97	362796	43.0	
199 Pyrene	202	12.927	12.927	0.0	97	885967	48.6	
205 Butyl benzyl phthalate	149	13.482	13.482	0.0	98	409885	49.3	
208 3,3'-Dichlorobenzidine	252	13.952	13.952	0.0	97	357634	49.0	
210 Bis(2-ethylhexyl) phthalate	149	13.968	13.968	0.0	94	532665	49.1	
209 Benzo[a]anthracene	228	13.985	13.985	0.0	92	894093	49.0	
211 Chrysene	228	14.017	14.017	0.0	89	833310	49.3	
212 Di-n-octyl phthalate	149	14.497	14.497	0.0	99	802374	50.2	
213 Benzo[b]fluoranthene	252	14.914	14.914	0.0	90	970647	50.8	
214 Benzo[k]fluoranthene	252	14.941	14.941	0.0	95	896535	46.0	
217 Benzo[a]pyrene	252	15.224	15.224	0.0	100	774835	48.8	
219 Indeno[1,2,3-cd]pyrene	276	16.399	16.399	0.0	92	977723	47.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
220 Dibenz(a,h)anthracene	278	16.399	16.399	0.0	52	825281	45.9	
221 Benzo[g,h,i]perylene	276	16.725	16.725	0.0	90	729972	48.0	
S 222 Total Cresols	1				0		94.4	
S 77 3 & 4 Methylphenol	108				0		47.0	
S 78 3-Methylphenol	1				0		47.0	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4143.D
 Lims ID: IC - 8270 20 PT Client ID:
 Inject. Date: 14-Sep-2011 16:36:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 480-0005961-006
 Misc. Info.: IC - 8270 20 PT
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 31234 Lims Sample ID: 6
 Sublist: chrom-U-8270*sub11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U-8270.m
 Last Update: 15-Sep-2011 09:44:20 Calib Date: 14-Sep-2011 21:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 15-Sep-2011 09:44:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.822	5.822	0.0	95	114673	40.0	
* 2 Naphthalene-d8	136	7.542	7.542	0.0	98	422014	40.0	
* 3 Acenaphthene-d10	164	9.818	9.818	0.0	97	285657	40.0	
* 4 Phenanthrene-d10	188	11.522	11.522	0.0	97	526581	40.0	
* 5 Chrysene-d12	240	13.995	13.995	0.0	90	544626	40.0	
* 6 Perylene-d12	264	15.272	15.272	0.0	97	564069	40.0	
\$ 9 2-Fluorophenol	112	3.968	3.968	0.0	93	64659	19.9	
\$ 10 Phenol-d5	99	5.351	5.357	-0.006	86	76264	19.5	
\$ 11 Nitrobenzene-d5	82	6.585	6.585	0.0	81	78171	19.9	
\$ 12 2-Fluorobiphenyl	172	8.963	8.963	0.0	98	174645	18.9	
\$ 13 2,4,6-Tribromophenol	330	10.768	10.768	0.0	86	28978	18.4	
\$ 14 p-Terphenyl-d14	244	13.060	13.060	0.0	96	227927	18.6	
81 N-Nitrosodimethylamine	42	2.093	2.087	0.006	49	69423	20.3	
82 Pyridine	52	2.151	2.146	0.005	60	59220	19.7	
90 Aniline	93	5.362	5.362	0.0	70	98856	19.7	
89 Phenol	94	5.373	5.373	0.0	72	86006	20.0	
91 Bis(2-chloroethyl)ether	93	5.458	5.458	0.0	94	61836	21.3	
93 2-Chlorophenol	128	5.538	5.538	0.0	82	74618	19.7	
94 1,3-Dichlorobenzene	146	5.747	5.747	0.0	89	96538	20.6	
95 1,4-Dichlorobenzene	146	5.843	5.843	0.0	72	92745	19.5	
96 Benzyl alcohol	108	6.030	6.030	0.0	78	46735	19.3	
97 1,2-Dichlorobenzene	146	6.057	6.062	-0.005	70	86504	19.7	
98 2-Methylphenol	108	6.211	6.212	-0.001	85	63407	20.0	
99 2,2'-oxybis[1-chloropropane]	45	6.222	6.222	0.0	81	135049	20.3	
101 N-Nitrosodi-n-propylamine	70	6.398	6.399	-0.001	89	47085	20.6	
102 4-Methylphenol	108	6.425	6.425	0.0	85	63670	19.6	
106 Hexachloroethane	117	6.516	6.521	-0.005	82	33598	18.6	
107 Nitrobenzene	77	6.612	6.607	0.005	85	79265	19.7	
110 Isophorone	82	6.938	6.938	0.0	91	130978	20.2	
111 2-Nitrophenol	139	7.045	7.045	0.0	78	37781	18.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.141	7.141	0.0	95	79152	18.8	
113 Tetraethyl lead	237	7.189	7.189	0.0	91	53571	22.1	
115 Bis(2-chloroethoxy)methane	93	7.243	7.243	0.0	91	62502	19.0	
119 Benzoic acid	105	7.349	7.376	-0.027	85	289181	109.3	
117 2,4-Dichlorophenol	162	7.381	7.381	0.0	78	65063	19.4	
120 1,2,4-Trichlorobenzene	180	7.478	7.478	0.0	91	74907	19.3	
121 Naphthalene	128	7.568	7.574	-0.006	75	211344	19.8	
123 4-Chloroaniline	127	7.659	7.659	0.0	83	88867	20.5	
126 Hexachlorobutadiene	225	7.766	7.766	0.0	91	58541	18.9	
131 4-Chloro-3-methylphenol	107	8.327	8.327	0.0	90	67868	19.3	
133 2-Methylnaphthalene	142	8.482	8.482	0.0	80	146460	18.8	
136 Hexachlorocyclopentadiene	237	8.706	8.706	0.0	92	55308	17.7	
139 2,4,6-Trichlorophenol	196	8.867	8.867	0.0	97	54500	20.3	
140 2,4,5-Trichlorophenol	196	8.920	8.915	0.005	95	52550	18.4	
143 2-Chloronaphthalene	162	9.107	9.107	0.0	98	151945	19.4	
145 2-Nitroaniline	65	9.246	9.246	0.0	71	44013	18.5	
147 Dimethyl phthalate	163	9.492	9.492	0.0	95	189637	19.5	
148 2,6-Dinitrotoluene	165	9.556	9.556	0.0	75	37885	19.2	
149 Acenaphthylene	152	9.631	9.631	0.0	89	233492	19.8	
150 3-Nitroaniline	138	9.769	9.775	-0.006	85	41210	19.5	
151 Acenaphthene	153	9.855	9.860	-0.005	90	147840	19.3	
152 2,4-Dinitrophenol	184	9.908	9.908	0.0	56	12417	18.1	
153 4-Nitrophenol	109	10.026	10.026	0.0	83	39777	18.9	
154 2,4-Dinitrotoluene	165	10.069	10.069	0.0	68	54126	17.8	
155 Dibenzofuran	168	10.074	10.074	0.0	82	233764	19.2	
160 Diethyl phthalate	149	10.368	10.368	0.0	95	192818	19.3	
161 Fluorene	166	10.485	10.485	0.0	89	184835	18.6	
162 4-Chlorophenyl phenyl ether	204	10.491	10.491	0.0	89	98955	18.6	
164 4-Nitroaniline	138	10.517	10.523	-0.006	43	38839	18.1	
166 4,6-Dinitro-2-methylphenol	198	10.560	10.560	0.0	75	35091	20.0	
167 N-Nitrosodiphenylamine	169	10.630	10.630	0.0	95	124378	19.0	
168 1,2-Diphenylhydrazine	77	10.672	10.672	0.0	91	154935	19.0	
176 4-Bromophenyl phenyl ether	248	11.041	11.046	-0.005	90	58023	18.5	
177 Hexachlorobenzene	284	11.126	11.126	0.0	89	62875	18.6	
181 Pentachlorophenol	266	11.340	11.340	0.0	73	30288	18.5	
185 Phenanthrene	178	11.543	11.543	0.0	82	276263	18.8	
188 Anthracene	178	11.596	11.597	-0.001	96	279235	19.0	
189 Carbazole	167	11.767	11.767	0.0	90	232301	18.6	
192 Di-n-butyl phthalate	149	12.120	12.120	0.0	99	286840	18.5	
197 Fluoranthene	202	12.713	12.718	-0.005	94	315402	19.1	
198 Benzidine	184	12.831	12.831	0.0	94	147156	19.8	
199 Pyrene	202	12.921	12.927	-0.006	98	311305	19.4	
205 Butyl benzyl phthalate	149	13.482	13.482	0.0	97	131410	17.9	
208 3,3'-Dichlorobenzidine	252	13.952	13.952	0.0	93	117493	18.3	
210 Bis(2-ethylhexyl) phthalate	149	13.968	13.968	0.0	94	176566	18.4	
209 Benzo[a]anthracene	228	13.984	13.985	0.0	94	310079	19.3	
211 Chrysene	228	14.017	14.017	0.0	84	281666	18.9	
212 Di-n-octyl phthalate	149	14.497	14.497	0.0	98	263033	18.7	
213 Benzo[b]fluoranthene	252	14.914	14.914	0.0	88	319285	18.5	
214 Benzo[k]fluoranthene	252	14.935	14.941	-0.006	94	322422	18.3	
217 Benzo[a]pyrene	252	15.219	15.224	-0.005	100	275128	19.2	
219 Indeno[1,2,3-cd]pyrene	276	16.394	16.399	-0.005	92	335226	17.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
220 Dibenz(a,h)anthracene	278	16.394	16.399	-0.005	38	290008	17.9	
221 Benzo[g,h,i]perylene	276	16.714	16.725	-0.011	85	270970	19.7	
S 222 Total Cresols	1				0		39.7	
S 77 3 & 4 Methylphenol	108				0		19.6	
S 78 3-Methylphenol	1				0		19.6	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4144.D
 Lims ID: IC - 8270 5 PT Client ID:
 Inject. Date: 14-Sep-2011 16:59:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 480-0005961-007
 Misc. Info.: IC - 8270 5 PT
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 8
 Lims Batch ID: 31234 Lims Sample ID: 7
 Sublist: chrom-U-8270*sub11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U-8270.m
 Last Update: 15-Sep-2011 09:44:25 Calib Date: 14-Sep-2011 21:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 15-Sep-2011 09:44:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.822	5.822	0.0	94	117689	40.0	
* 2 Naphthalene-d8	136	7.542	7.542	0.0	98	428443	40.0	
* 3 Acenaphthene-d10	164	9.818	9.818	0.0	97	284498	40.0	
* 4 Phenanthrene-d10	188	11.522	11.522	0.0	96	504281	40.0	
* 5 Chrysene-d12	240	13.990	13.995	-0.005	96	545225	40.0	
* 6 Perylene-d12	264	15.272	15.272	0.0	97	550175	40.0	
\$ 9 2-Fluorophenol	112	3.973	3.968	0.005	67	14981	4.50	
\$ 10 Phenol-d5	99	5.357	5.357	0.0	75	18574	4.63	
\$ 11 Nitrobenzene-d5	82	6.586	6.585	0.001	67	17371	4.35	
\$ 12 2-Fluorobiphenyl	172	8.963	8.963	0.0	85	44545	4.85	
\$ 13 2,4,6-Tribromophenol	330	10.768	10.768	0.0	28	6339	4.20	
\$ 14 p-Terphenyl-d14	244	13.055	13.060	-0.005	88	59090	4.83	
81 N-Nitrosodimethylamine	42	2.093	2.087	0.006	43	16222	4.62	
82 Pyridine	52	2.157	2.146	0.011	59	14776	4.78	M
90 Aniline	93	5.362	5.362	0.0	71	25024	4.87	
89 Phenol	94	5.373	5.373	0.0	60	20100	4.56	
91 Bis(2-chloroethyl)ether	93	5.464	5.458	0.006	90	13742	4.61	
93 2-Chlorophenol	128	5.544	5.538	0.006	74	19886	5.12	
94 1,3-Dichlorobenzene	146	5.752	5.747	0.005	77	24986	5.18	
95 1,4-Dichlorobenzene	146	5.848	5.843	0.005	33	24381	5.00	
96 Benzyl alcohol	108	6.035	6.030	0.005	75	10476	4.22	
97 1,2-Dichlorobenzene	146	6.062	6.062	0.0	59	22411	4.96	
98 2-Methylphenol	108	6.212	6.212	0.0	67	14258	4.39	
99 2,2'-oxybis[1-chloropropane]	45	6.222	6.222	0.0	71	30616	4.49	
101 N-Nitrosodi-n-propylamine	70	6.404	6.399	0.005	81	10633	4.53	
102 4-Methylphenol	108	6.425	6.425	0.0	60	16406	4.92	
106 Hexachloroethane	117	6.521	6.521	0.0	80	9185	4.96	
107 Nitrobenzene	77	6.612	6.607	0.005	79	19362	4.73	
110 Isophorone	82	6.943	6.938	0.005	83	28533	4.34	
111 2-Nitrophenol	139	7.045	7.045	0.0	58	9703	4.67	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.141	7.141	0.0	84	19818	4.63	
113 Tetraethyl lead	237	7.189	7.189	0.0	84	10961	4.45	
115 Bis(2-chloroethoxy)methane	93	7.243	7.243	0.0	85	16961	5.08	
119 Benzoic acid	105	7.344	7.376	-0.032	86	224566	83.6	
117 2,4-Dichlorophenol	162	7.382	7.381	0.001	58	15282	4.49	
120 1,2,4-Trichlorobenzene	180	7.478	7.478	0.0	72	19089	4.84	
121 Naphthalene	128	7.568	7.574	-0.006	57	51980	4.79	
123 4-Chloroaniline	127	7.665	7.659	0.006	79	20614	4.68	
126 Hexachlorobutadiene	225	7.766	7.766	0.0	73	15162	4.83	
131 4-Chloro-3-methylphenol	107	8.332	8.327	0.005	80	16076	4.50	
133 2-Methylnaphthalene	142	8.482	8.482	0.0	64	39577	5.02	
136 Hexachlorocyclopentadiene	237	8.706	8.706	0.0	34	11449	5.80	
139 2,4,6-Trichlorophenol	196	8.872	8.867	0.005	59	11209	4.19	
140 2,4,5-Trichlorophenol	196	8.920	8.915	0.005	66	13460	4.73	
143 2-Chloronaphthalene	162	9.107	9.107	0.0	84	36857	4.72	
145 2-Nitroaniline	65	9.246	9.246	0.0	39	9710	4.10	
147 Dimethyl phthalate	163	9.492	9.492	0.0	89	45765	4.74	
148 2,6-Dinitrotoluene	165	9.556	9.556	0.0	57	8287	4.21	
149 Acenaphthylene	152	9.631	9.631	0.0	86	54221	4.61	
150 3-Nitroaniline	138	9.775	9.775	0.0	72	8321	3.95	
151 Acenaphthene	153	9.855	9.860	-0.005	77	36173	4.74	
152 2,4-Dinitrophenol	184	9.914	9.908	0.006	18	2551	10.5	
153 4-Nitrophenol	109	10.026	10.026	0.0	73	17154	10.9	
154 2,4-Dinitrotoluene	165	10.069	10.069	0.0	56	12165	4.02	
155 Dibenzofuran	168	10.074	10.074	0.0	75	59244	4.89	
160 Diethyl phthalate	149	10.368	10.368	0.0	89	43994	4.43	
161 Fluorene	166	10.485	10.485	0.0	89	42195	4.26	
162 4-Chlorophenyl phenyl ether	204	10.491	10.491	0.0	82	22442	4.24	
164 4-Nitroaniline	138	10.512	10.523	-0.011	27	9826	4.60	
166 4,6-Dinitro-2-methylphenol	198	10.560	10.560	0.0	61	12594	9.94	
167 N-Nitrosodiphenylamine	169	10.630	10.630	0.0	85	29312	4.68	
168 1,2-Diphenylhydrazine	77	10.672	10.672	0.0	91	38307	4.71	
176 4-Bromophenyl phenyl ether	248	11.041	11.046	-0.005	78	13484	4.48	
177 Hexachlorobenzene	284	11.126	11.126	0.0	76	14404	4.46	
181 Pentachlorophenol	266	11.340	11.340	0.0	50	13490	11.3	
185 Phenanthrene	178	11.543	11.543	0.0	59	72706	5.16	
188 Anthracene	178	11.597	11.597	0.0	91	68551	4.88	
189 Carbazole	167	11.767	11.767	0.0	85	56504	4.73	
192 Di-n-butyl phthalate	149	12.115	12.120	-0.005	96	68929	4.64	
197 Fluoranthene	202	12.713	12.718	-0.005	92	71699	4.53	
198 Benzidine	184	12.831	12.831	0.0	73	36777	4.94	
199 Pyrene	202	12.921	12.927	-0.006	96	78997	4.91	
205 Butyl benzyl phthalate	149	13.482	13.482	0.0	88	29785	4.06	
208 3,3'-Dichlorobenzidine	252	13.952	13.952	0.0	75	28550	4.43	
210 Bis(2-ethylhexyl) phthalate	149	13.968	13.968	0.0	88	43881	4.58	
209 Benzo[a]anthracene	228	13.979	13.985	-0.005	82	80633	5.01	
211 Chrysene	228	14.011	14.017	-0.006	53	70417	4.72	
212 Di-n-octyl phthalate	149	14.492	14.497	-0.005	85	61732	4.38	
213 Benzo[b]fluoranthene	252	14.914	14.914	0.0	85	75920	4.52	
214 Benzo[k]fluoranthene	252	14.935	14.941	-0.006	1	89862	5.24	
217 Benzo[a]pyrene	252	15.219	15.224	-0.005	97	60800	4.35	
219 Indeno[1,2,3-cd]pyrene	276	16.389	16.399	-0.010	93	79869	4.38	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
220 Dibenz(a,h)anthracene	278	16.394	16.399	-0.005	31	70950	4.48	
221 Benzo[g,h,i]perylene	276	16.714	16.725	-0.011	81	68268	5.10	
S 222 Total Cresols	1				0		9.32	
S 77 3 & 4 Methylphenol	108				0		4.92	
S 78 3-Methylphenol	1				0		4.92	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 15-Sep-2011 09:44:26

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4144.D

Injection Date: 14-Sep-2011 16:59:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973U

Lims Batch ID: 31234

Lims Sample ID: 7

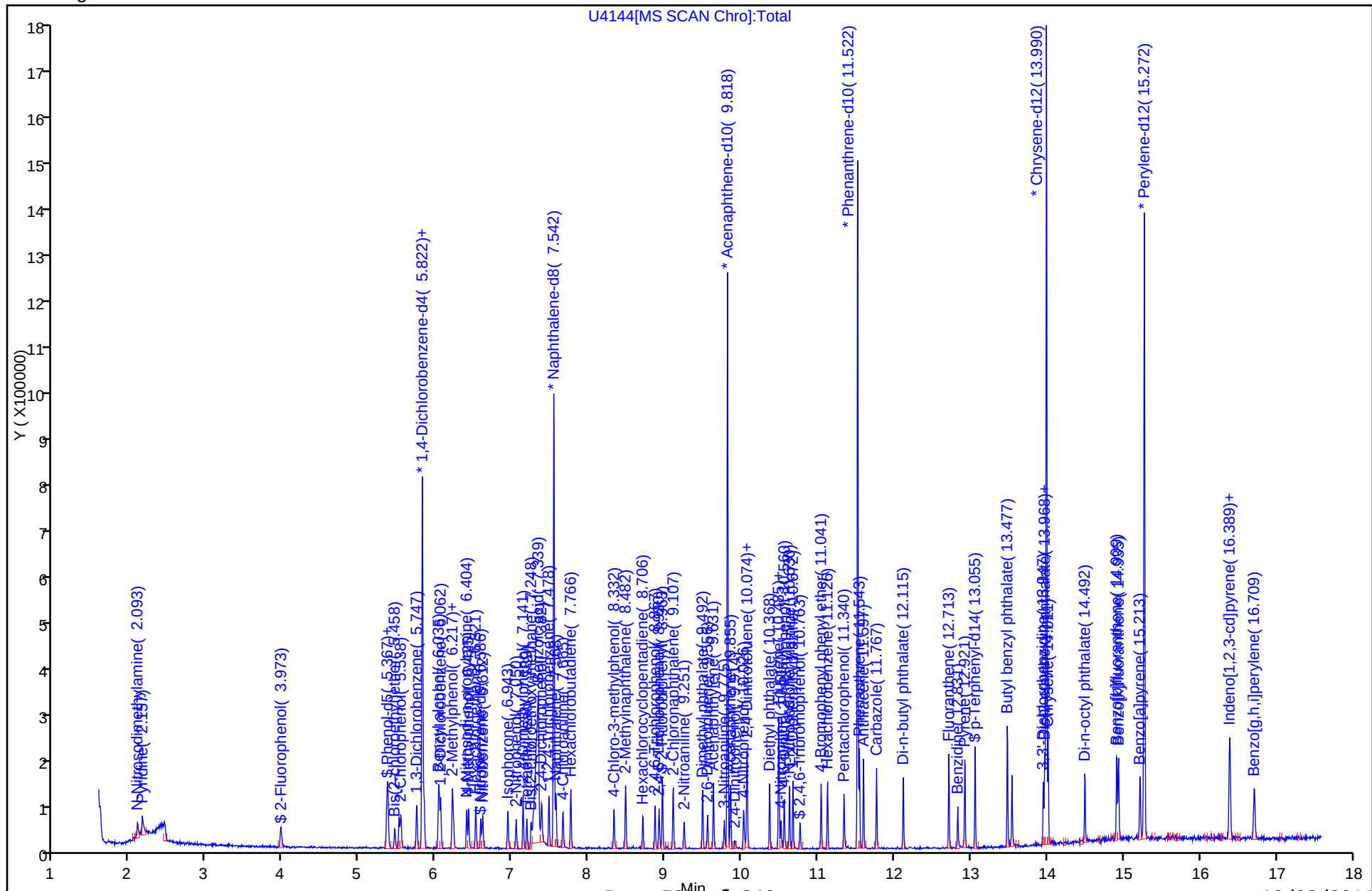
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

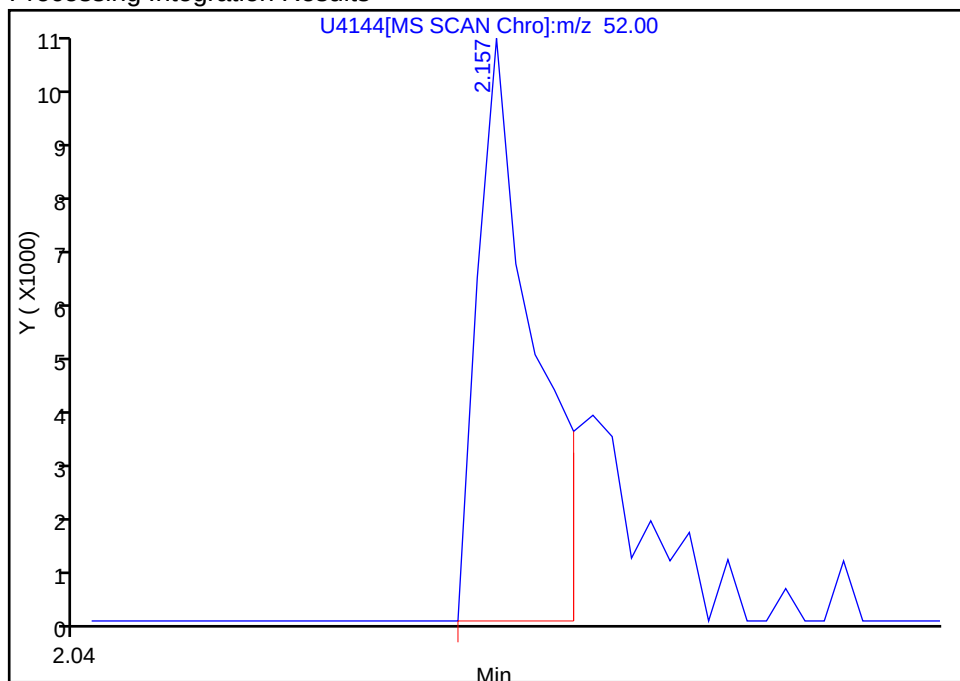


Data File:	\\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4144.D		
Injection Date:	14-Sep-2011 16:59:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	31234	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

82 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.15

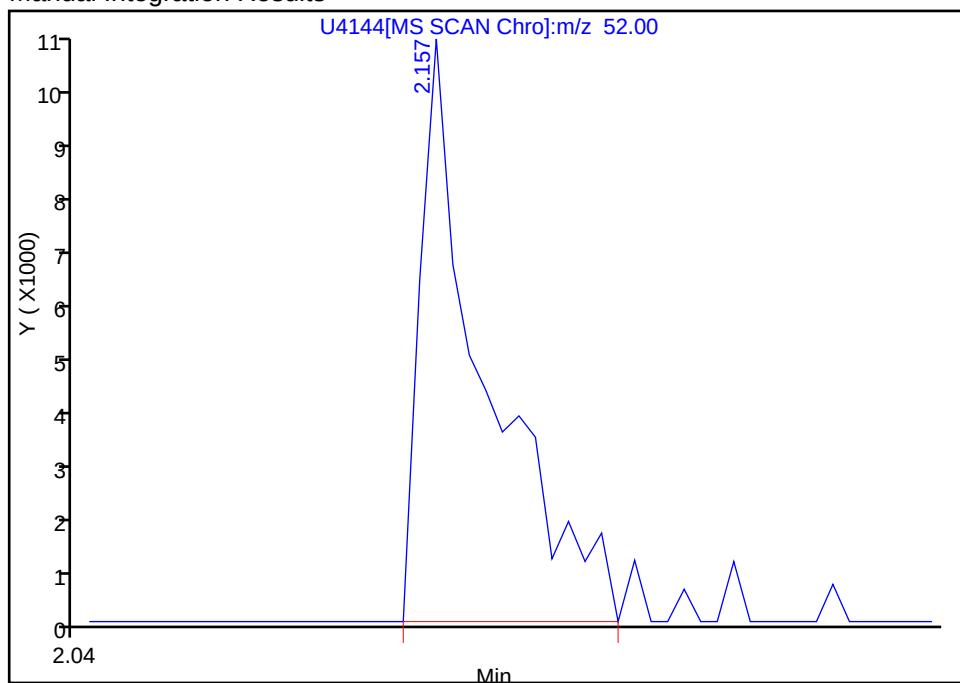
RT: 2.16
Response: 10894
Amount: 3.678786

Processing Integration Results



RT: 2.16
Response: 14776
Amount: 4.780789

Manual Integration Results



Reviewer: mckernar, 14-Sep-2011 17:58:18

Audit Action: Manually Integrated

Audit Reason: Peak Tail

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 31234

SDG No.: _____

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2011 17:22 Calibration End Date: 09/14/2011 19:20 Calibration ID: 3883

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-31234/13	U4150.D
Level 2	IC 480-31234/12	U4149.D
Level 3	IC 480-31234/11	U4148.D
Level 4	IC 480-31234/10	U4147.D
Level 5	IC 480-31234/9	U4146.D
Level 6	IC 480-31234/8	U4145.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzaldehyde	0.7523 0.8915	0.8196	0.8646	0.9219	0.8726	Ave		0.8538				7.0		15.0			
Acetophenone	1.7279 1.8447	1.8413	1.8324	1.9298	1.8780	Ave		1.8424				3.6		15.0			
Caprolactam	0.0602 0.0851	0.0596	0.0737	0.0739	0.0806	Ave		0.0722				14.0		15.0			
1,2,4,5-Tetrachlorobenzene	0.5690 0.6182	0.6154	0.5895	0.6012	0.6174	Ave		0.6018				3.3		15.0			
Biphenyl	1.5193 1.5592	1.4662	1.5200	1.5384	1.5842	Ave		1.5312				2.6		15.0			
2,3,4,6-Tetrachlorophenol	0.2239 0.3784	0.2894	0.3358	0.3491	0.3741	Lin1	-1.006	0.3749							0.9980		0.9900
Atrazine	0.3496 0.4570	0.3992	0.3774	0.3982	0.4448	Ave		0.4044				10.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 31234

SDG No.: _____

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2011 17:22 Calibration End Date: 09/14/2011 19:20 Calibration ID: 3883

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-31234/13	U4150.D
Level 2	IC 480-31234/12	U4149.D
Level 3	IC 480-31234/11	U4148.D
Level 4	IC 480-31234/10	U4147.D
Level 5	IC 480-31234/9	U4146.D
Level 6	IC 480-31234/8	U4145.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Benzaldehyde	DCB	Ave	12182 450493	55333	144336	229912	317054	5.00 160	20.0	50.0	80.0	120
Acetophenone	DCB	Ave	27982 932148	124305	305906	481281	682327	5.00 160	20.0	50.0	80.0	120
Caprolactam	NPT	Ave	3948 164020	15530	47598	73926	112800	5.00 160	20.0	50.0	80.0	120
1,2,4,5-Tetrachlorobenzene	ANT	Ave	22114 746935	100127	226709	367829	528223	5.00 160	20.0	50.0	80.0	120
Biphenyl	ANT	Ave	59048 1883884	238563	584547	941248	1355316	5.00 160	20.0	50.0	80.0	120
2,3,4,6-Tetrachlorophenol	ANT	Lin1	8703 457195	47085	129137	213619	320065	5.00 160	20.0	50.0	80.0	120
Atrazine	ANT	Ave	13587 552155	64956	145149	243637	380566	5.00 160	20.0	50.0	80.0	120

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4145.D
 Lims ID: IC - TADDS 160 PT Client ID:
 Inject. Date: 14-Sep-2011 17:22:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 480-0005961-008
 Misc. Info.: IC - TADDS 160 PT
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 9
 Lims Batch ID: 31234 Lims Sample ID: 8
 Sublist: chrom-U-8270*sub4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U-8270.m
 Last Update: 15-Sep-2011 09:44:28 Calib Date: 14-Sep-2011 21:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 15-Sep-2011 09:44:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.822	5.822	0.0	95	126327	40.0	
* 2 Naphthalene-d8	136	7.542	7.542	0.0	98	481613	40.0	
* 3 Acenaphthene-d10	164	9.818	9.818	0.0	97	302065	40.0	
* 4 Phenanthrene-d10	188	11.522	11.522	0.0	96	550876	40.0	
* 5 Chrysene-d12	240	13.990	13.995	-0.005	96	625969	40.0	
* 6 Perylene-d12	264	15.272	15.272	0.0	96	624644	40.0	
88 Benzaldehyde	77	5.202	5.202	0.0	78	450493	167.1	
104 Acetophenone	105	6.382	6.382	0.0	92	932148	160.2	
127 Caprolactam	113	8.097	8.065	0.032	57	164020	188.7	
138 1,2,4,5-Tetrachlorobenzene	216	8.712	8.712	0.0	98	746935	164.4	
144 1,1'-Biphenyl	154	9.091	9.086	0.005	95	1883884	162.9	
158 2,3,4,6-Tetrachlorophenol	232	10.245	10.245	0.0	96	457195	164.2	
180 Atrazine	200	11.244	11.233	0.011	93	552155	180.8	

Report Date: 15-Sep-2011 09:44:29

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4145.D

Injection Date: 14-Sep-2011 17:22:30

Limit Group: MB - 8270C ICAL

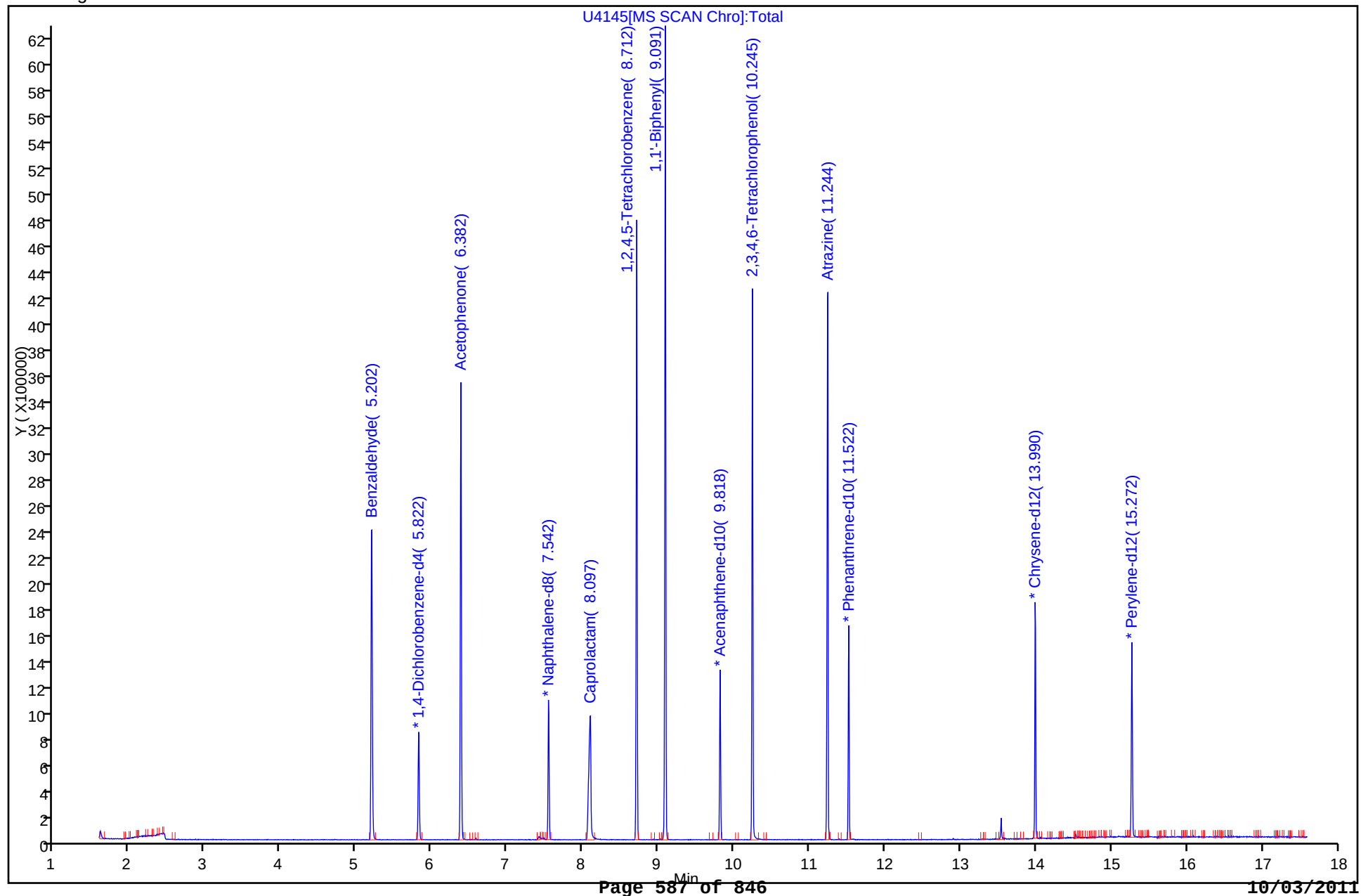
Client ID: Instrument ID: HP5973U

Lims Batch ID: 31234 Lims Sample ID: 8

Operator ID: RMM Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4146.D
 Lims ID: IC - TADDS 120 PT Client ID:
 Inject. Date: 14-Sep-2011 17:46:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 480-0005961-009
 Misc. Info.: IC - TADDS 120 PT
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 10
 Lims Batch ID: 31234 Lims Sample ID: 9
 Sublist: chrom-U-8270*sub4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U-8270.m
 Last Update: 15-Sep-2011 09:44:32 Calib Date: 14-Sep-2011 21:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 15-Sep-2011 09:44:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.822	5.822	0.0	96	121111	40.0	
* 2 Naphthalene-d8	136	7.542	7.542	0.0	98	466530	40.0	
* 3 Acenaphthene-d10	164	9.818	9.818	0.0	97	285178	40.0	
* 4 Phenanthrene-d10	188	11.522	11.522	0.0	96	528485	40.0	
* 5 Chrysene-d12	240	13.990	13.995	-0.005	96	608596	40.0	
* 6 Perylene-d12	264	15.272	15.272	0.0	98	585911	40.0	
88 Benzaldehyde	77	5.196	5.202	-0.006	77	317054	122.7	
104 Acetophenone	105	6.382	6.382	0.0	94	682327	122.3	
127 Caprolactam	113	8.087	8.065	0.022	57	112800	134.0	
138 1,2,4,5-Tetrachlorobenzene	216	8.712	8.712	0.0	98	528223	123.1	
144 1,1'-Biphenyl	154	9.091	9.086	0.005	94	1355316	124.2	
158 2,3,4,6-Tetrachlorophenol	232	10.245	10.245	0.0	96	320065	122.4	
180 Atrazine	200	11.239	11.233	0.006	92	380566	132.0	

Report Date: 15-Sep-2011 09:44:32

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4146.D

Injection Date: 14-Sep-2011 17:46:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973U

Lims Batch ID: 31234

Lims Sample ID: 9

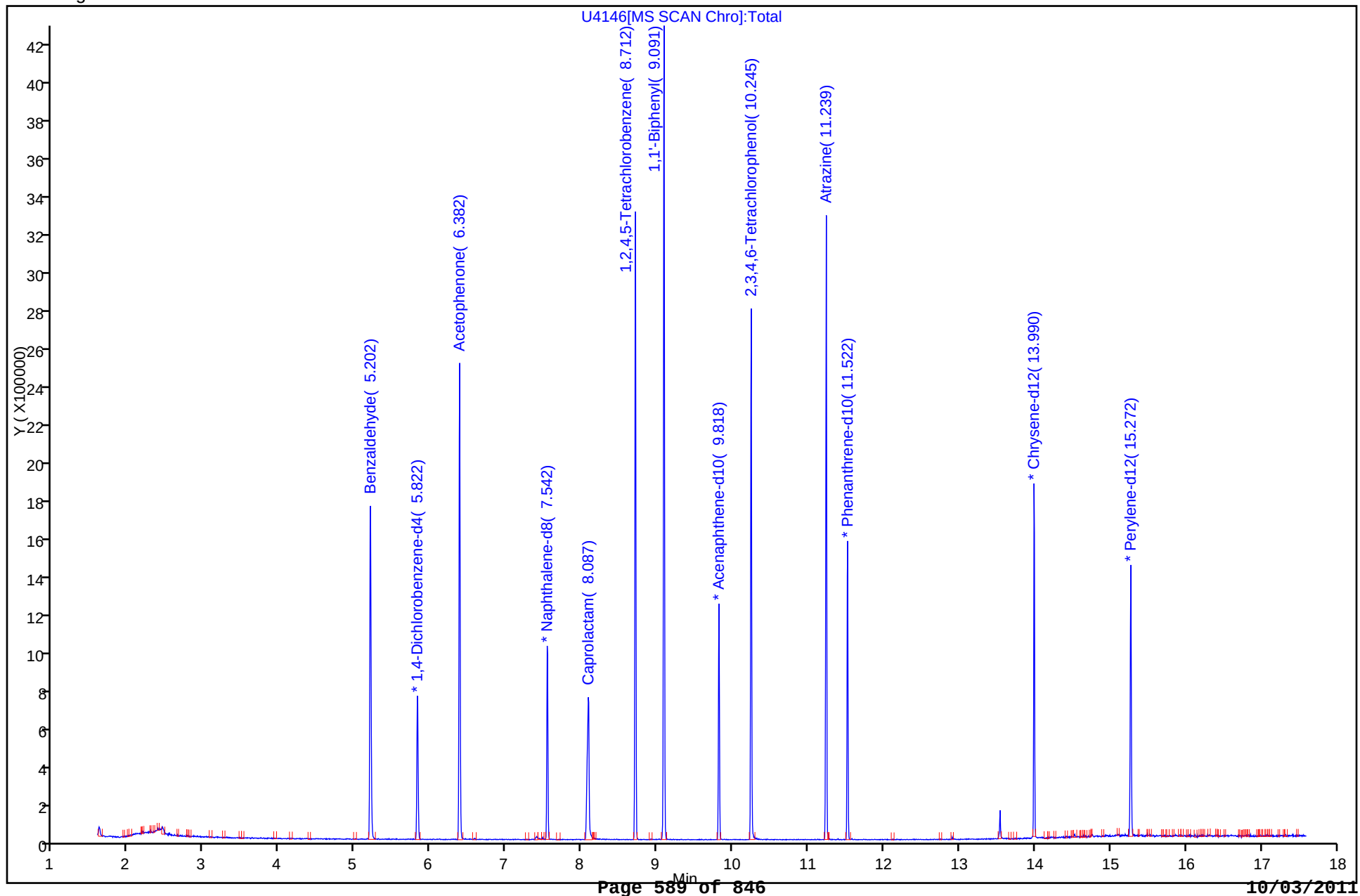
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4147.D
 Lims ID: IC - TADDS 80 PT Client ID:
 Inject. Date: 14-Sep-2011 18:09:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 480-0005961-010
 Misc. Info.: IC - TADDS 80 PT
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 11
 Lims Batch ID: 31234 Lims Sample ID: 10
 Sublist: chrom-U-8270*sub4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U-8270.m
 Last Update: 15-Sep-2011 09:44:36 Calib Date: 14-Sep-2011 21:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 15-Sep-2011 09:44:36

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.821	5.822	-0.001	95	124694	40.0	
* 2 Naphthalene-d8	136	7.542	7.542	0.0	99	500224	40.0	
* 3 Acenaphthene-d10	164	9.817	9.818	-0.001	94	305924	40.0	
* 4 Phenanthrene-d10	188	11.522	11.522	0.0	96	538258	40.0	
* 5 Chrysene-d12	240	13.990	13.995	-0.005	96	615531	40.0	
* 6 Perylene-d12	264	15.272	15.272	0.0	97	619785	40.0	
88 Benzaldehyde	77	5.196	5.202	-0.006	77	229912	86.4	
104 Acetophenone	105	6.382	6.382	0.0	92	481281	83.8	
127 Caprolactam	113	8.081	8.065	0.016	53	73926	81.9	
138 1,2,4,5-Tetrachlorobenzene	216	8.712	8.712	0.0	98	367829	79.9	
144 1,1'-Biphenyl	154	9.091	9.086	0.005	94	941248	80.4	
158 2,3,4,6-Tetrachlorophenol	232	10.245	10.245	0.0	96	213619	77.2	
180 Atrazine	200	11.238	11.233	0.005	92	243637	78.8	

Report Date: 15-Sep-2011 09:44:36

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4147.D

Injection Date: 14-Sep-2011 18:09:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973U

Lims Batch ID: 31234

Lims Sample ID: 10

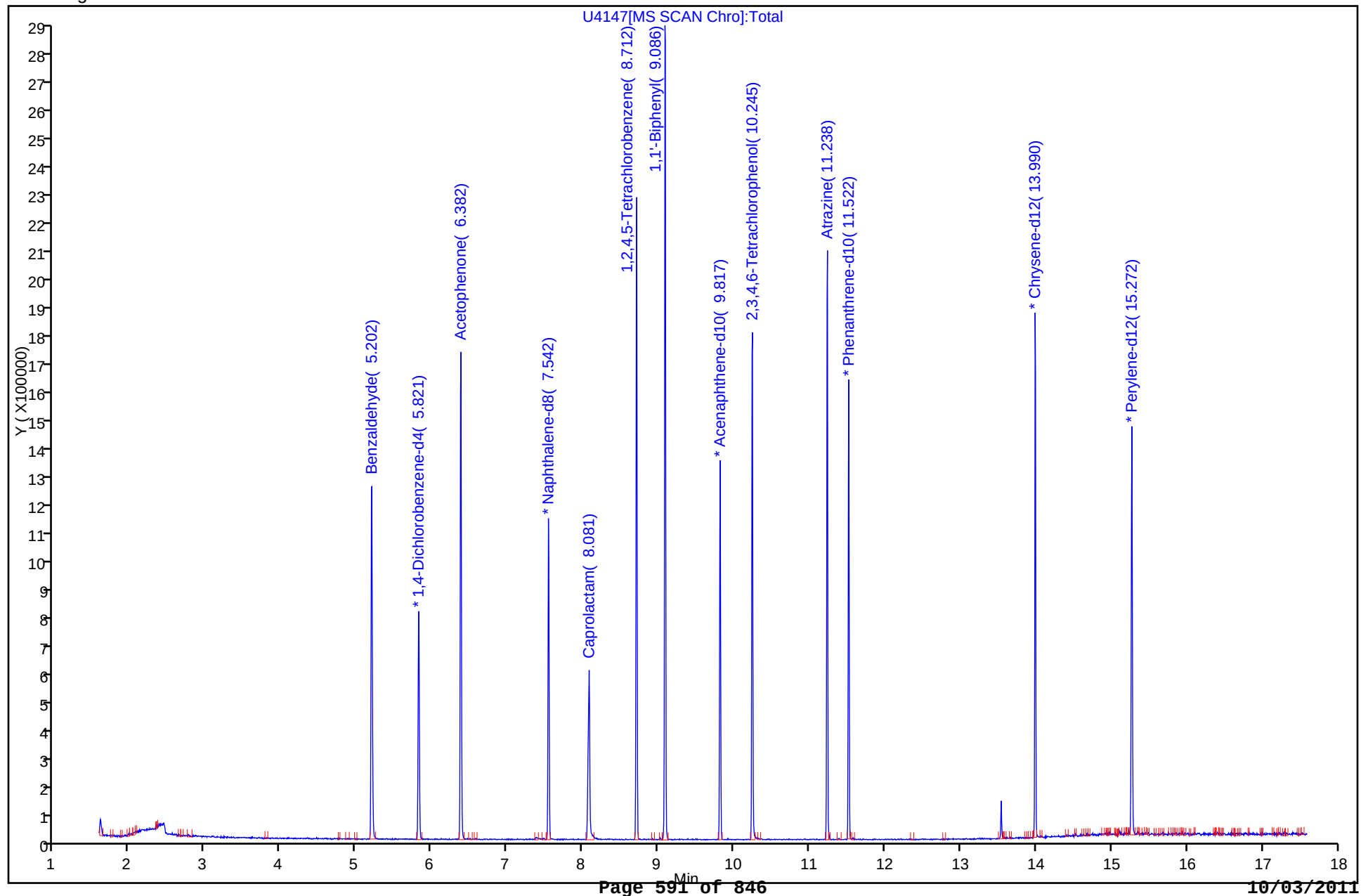
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4148.D
 Lims ID: IC - TADDS 50 PT Client ID:
 Inject. Date: 14-Sep-2011 18:33:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 480-0005961-011
 Misc. Info.: IC - TADDS 50 PT
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 31234 Lims Sample ID: 11
 Sublist: chrom-U-8270*sub4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U-8270.m
 Last Update: 15-Sep-2011 09:44:38 Calib Date: 14-Sep-2011 21:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 15-Sep-2011 09:44:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.822	5.822	0.0	95	133555	40.0	
* 2 Naphthalene-d8	136	7.542	7.542	0.0	99	516704	40.0	
* 3 Acenaphthene-d10	164	9.818	9.818	0.0	98	307659	40.0	
* 4 Phenanthrene-d10	188	11.522	11.522	0.0	96	561225	40.0	
* 5 Chrysene-d12	240	13.990	13.990	0.0	96	629001	40.0	
* 6 Perylene-d12	264	15.272	15.272	0.0	96	635425	40.0	
88 Benzaldehyde	77	5.202	5.202	0.0	76	144336	50.6	
104 Acetophenone	105	6.382	6.382	0.0	94	305906	49.7	
127 Caprolactam	113	8.071	8.071	0.0	52	47598	51.0	
138 1,2,4,5-Tetrachlorobenzene	216	8.712	8.712	0.0	96	226709	49.0	
144 1,1'-Biphenyl	154	9.086	9.086	0.0	94	584547	49.6	
158 2,3,4,6-Tetrachlorophenol	232	10.245	10.245	0.0	96	129137	47.5	
180 Atrazine	200	11.233	11.233	0.0	91	145149	46.7	

Report Date: 15-Sep-2011 09:44:38

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4148.D

Injection Date: 14-Sep-2011 18:33:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973U

Lims Batch ID: 31234

Lims Sample ID: 11

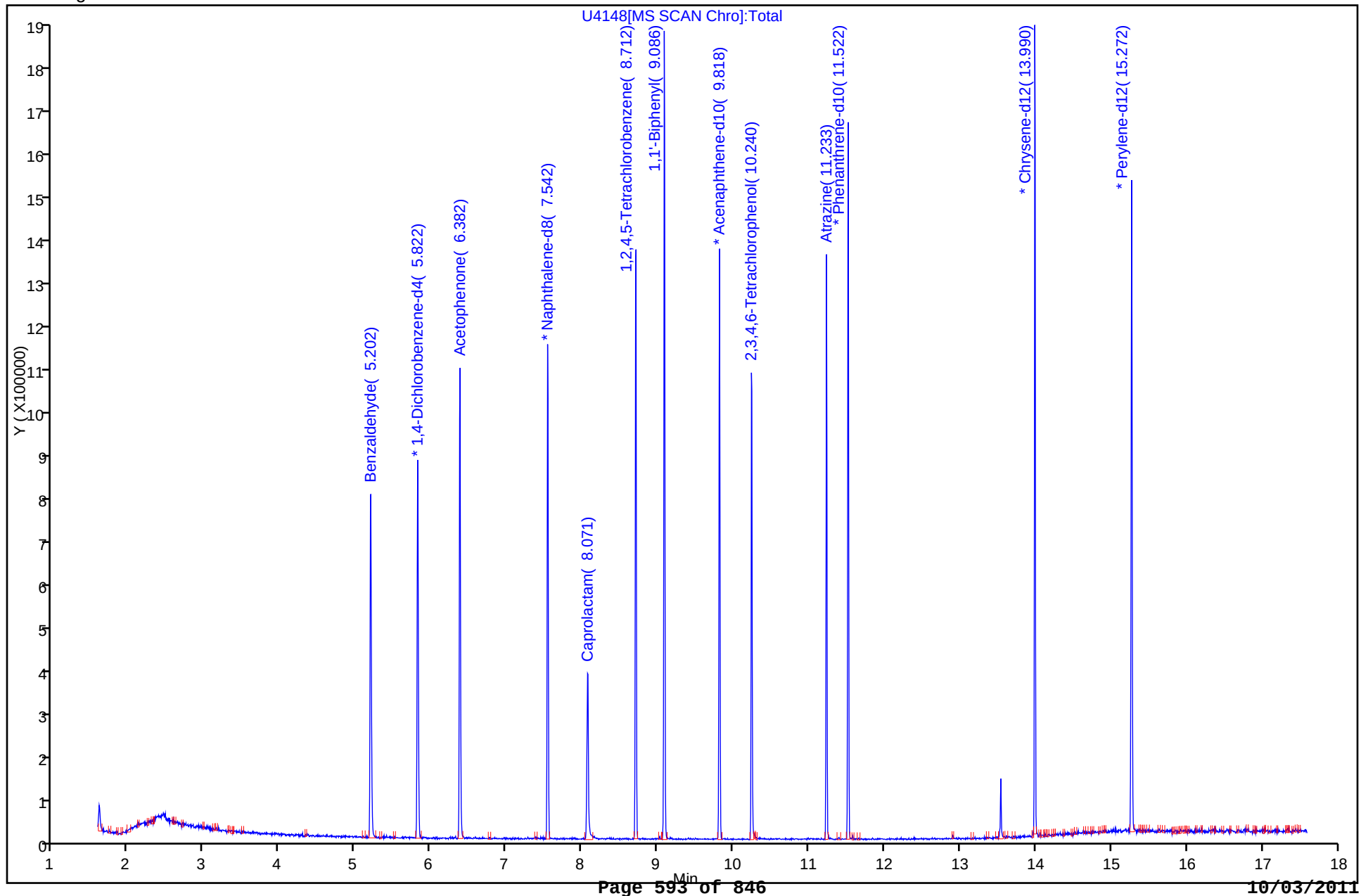
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4149.D
 Lims ID: IC - TADDS 20 PT Client ID:
 Inject. Date: 14-Sep-2011 18:56:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 480-0005961-012
 Misc. Info.: IC - TADDS 20 PT
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 31234 Lims Sample ID: 12
 Sublist: chrom-U-8270*sub4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U-8270.m
 Last Update: 15-Sep-2011 09:44:41 Calib Date: 14-Sep-2011 21:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 15-Sep-2011 09:44:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.822	5.822	0.0	94	135018	40.0	
* 2 Naphthalene-d8	136	7.542	7.542	0.0	98	521014	40.0	
* 3 Acenaphthene-d10	164	9.818	9.818	0.0	97	325427	40.0	
* 4 Phenanthrene-d10	188	11.522	11.522	0.0	96	579103	40.0	
* 5 Chrysene-d12	240	13.990	13.990	0.0	95	678845	40.0	
* 6 Perylene-d12	264	15.272	15.272	0.0	94	658933	40.0	
88 Benzaldehyde	77	5.202	5.202	0.0	76	55333	19.2	
104 Acetophenone	105	6.382	6.382	0.0	89	124305	20.0	
127 Caprolactam	113	8.065	8.071	-0.006	56	15530	16.5	
138 1,2,4,5-Tetrachlorobenzene	216	8.712	8.712	0.0	92	100127	20.5	
144 1,1'-Biphenyl	154	9.086	9.086	0.0	94	238563	19.2	
158 2,3,4,6-Tetrachlorophenol	232	10.245	10.245	0.0	92	47085	18.1	
180 Atrazine	200	11.233	11.233	0.0	88	64956	19.7	

Report Date: 15-Sep-2011 09:44:41

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4149.D

Injection Date: 14-Sep-2011 18:56:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973U

Lims Batch ID: 31234

Lims Sample ID: 12

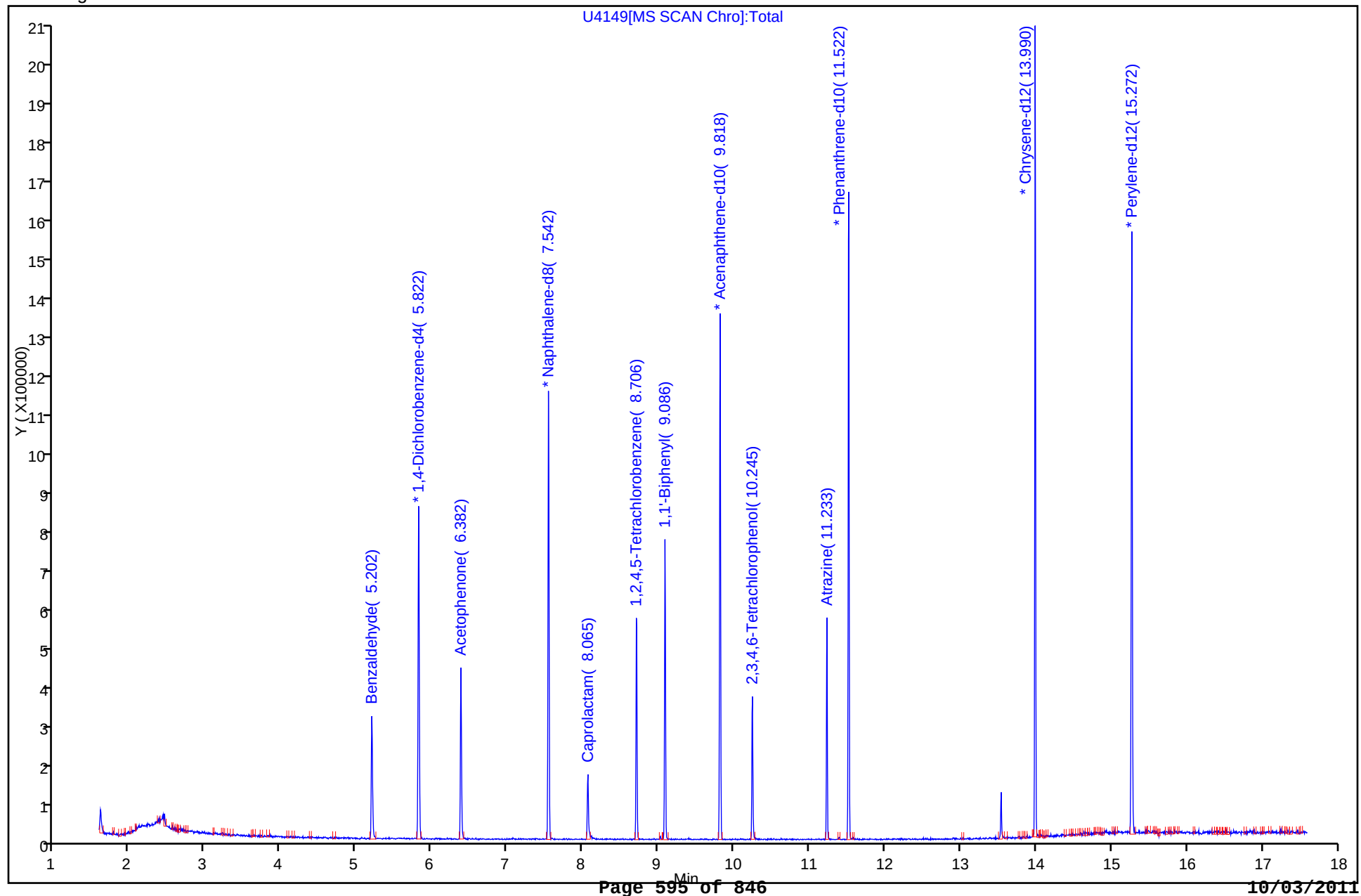
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4150.D
 Lims ID: IC - TADDS 5 PT Client ID:
 Inject. Date: 14-Sep-2011 19:20:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 480-0005961-013
 Misc. Info.: IC - TADDS 5 PT
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 14
 Lims Batch ID: 31234 Lims Sample ID: 13
 Sublist: chrom-U-8270*sub4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U-8270.m
 Last Update: 15-Sep-2011 09:44:44 Calib Date: 14-Sep-2011 21:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 15-Sep-2011 09:44:43

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.822	5.822	0.0	95	129552	40.0	
* 2 Naphthalene-d8	136	7.542	7.542	0.0	99	524523	40.0	
* 3 Acenaphthene-d10	164	9.818	9.818	0.0	97	310912	40.0	
* 4 Phenanthrene-d10	188	11.522	11.522	0.0	96	570972	40.0	
* 5 Chrysene-d12	240	13.990	13.990	0.0	96	676914	40.0	
* 6 Perylene-d12	264	15.272	15.272	0.0	98	641970	40.0	
88 Benzaldehyde	77	5.207	5.202	0.005	66	12182	4.41	
104 Acetophenone	105	6.388	6.382	0.006	85	27982	4.69	
127 Caprolactam	113	8.065	8.071	-0.006	41	3948	4.17	
138 1,2,4,5-Tetrachlorobenzene	216	8.712	8.712	0.0	77	22114	4.73	
144 1,1'-Biphenyl	154	9.086	9.086	0.0	88	59048	4.96	
158 2,3,4,6-Tetrachlorophenol	232	10.245	10.245	0.0	53	8703	5.67	
180 Atrazine	200	11.233	11.233	0.0	60	13587	4.32	

Report Date: 15-Sep-2011 09:44:44

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4150.D

Injection Date: 14-Sep-2011 19:20:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973U

Lims Batch ID: 31234

Lims Sample ID: 13

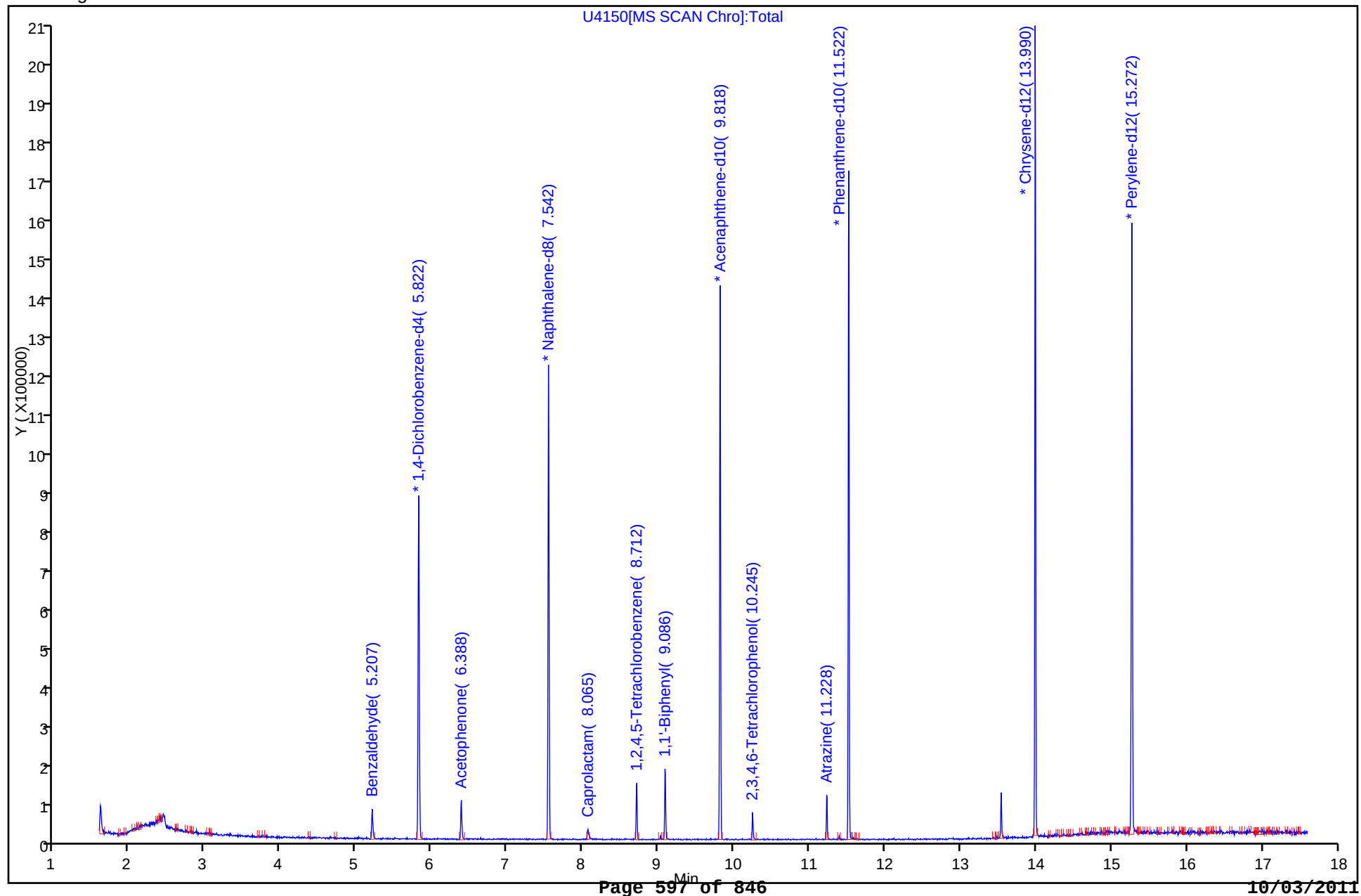
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 29803

SDG No.: _____

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2011 15:55 Calibration End Date: 09/01/2011 17:48 Calibration ID: 3811

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-29803/13	X7386.D
Level 2	IC 480-29803/12	X7385.D
Level 3	IC 480-29803/11	X7384.D
Level 4	IC 480-29803/10	X7383.D
Level 5	IC 480-29803/9	X7382.D
Level 6	IC 480-29803/8	X7381.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzaldehyde	0.9414 0.9899	0.9871	0.9849	1.0043	0.9624	Ave		0.9783				2.3		15.0			
Acetophenone	1.5779 1.8196	1.7555	1.8463	1.8251	1.7707	Ave		1.7658				5.6		15.0			
Caprolactam	0.0529 0.0956	0.0778	0.0815	0.0879	0.0928	Lin1	-0.254	0.0940							0.9980		0.9900
1,2,4,5-Tetrachlorobenzene	0.5818 0.5871	0.6095	0.5701	0.5916	0.5788	Ave		0.5865				2.3		15.0			
Biphenyl	1.4569 1.4098	1.4071	1.3670	1.3972	1.3907	Ave		1.4048				2.1		15.0			
2,3,4,6-Tetrachlorophenol	0.2246 0.3431	0.2906	0.3106	0.3238	0.3214	Ave		0.3024				14.0		15.0			
Atrazine	0.3007 0.4141	0.3768	0.3836	0.3897	0.4002	Ave		0.3775				11.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 29803

SDG No.: _____

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2011 15:55 Calibration End Date: 09/01/2011 17:48 Calibration ID: 3811

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-29803/13	X7386.D
Level 2	IC 480-29803/12	X7385.D
Level 3	IC 480-29803/11	X7384.D
Level 4	IC 480-29803/10	X7383.D
Level 5	IC 480-29803/9	X7382.D
Level 6	IC 480-29803/8	X7381.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Benzaldehyde	DCB	Ave	19880 800748	95595	192836	317981	501049	5.00 160	20.0	50.0	80.0	120
Acetophenone	DCB	Ave	33320 1471903	170013	361497	577852	921828	5.00 160	20.0	50.0	80.0	120
Caprolactam	NPT	Lin1	4160 292206	29378	62798	107768	182519	5.00 160	20.0	50.0	80.0	120
1,2,4,5-Tetrachlorobenzene	ANT	Ave	28280 1185257	142877	286117	470343	755553	5.00 160	20.0	50.0	80.0	120
Biphenyl	ANT	Ave	70815 2846262	329842	686084	1110809	1815432	5.00 160	20.0	50.0	80.0	120
2,3,4,6-Tetrachlorophenol	ANT	Ave	10916 692788	68128	155884	257405	419568	5.00 160	20.0	50.0	80.0	120
Atrazine	ANT	Ave	14616 836035	88334	192542	309858	522422	5.00 160	20.0	50.0	80.0	120

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X7381.D
 Lims ID: IC - TCLADDS 160 pt Client ID:
 Inject. Date: 01-Sep-2011 15:55:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 480-0005709-008
 Misc. Info.: IC - TCLADDS 160 PT
 Operator: MKP Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 8
 Lims Batch ID: 29803 Lims Sample ID: 8
 Sublist: chrom-X-8270*sub4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X-8270.m
 Last Update: 02-Sep-2011 07:46:04 Calib Date: 01-Sep-2011 23:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X7400.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 02-Sep-2011 07:41:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.350	5.351	-0.001	97	202224	40.0	
* 2 Naphthalene-d8	136	6.921	6.921	0.0	99	763848	40.0	
* 3 Acenaphthene-d10	164	8.983	8.983	0.0	86	504744	40.0	
* 4 Phenanthrene-d10	188	10.639	10.639	0.0	97	852585	40.0	
* 5 Chrysene-d12	240	13.043	13.043	0.0	97	888017	40.0	
* 6 Perylene-d12	264	14.181	14.181	0.0	98	895998	40.0	
62 Benzaldehyde	77	4.763	4.763	0.0	88	800748	161.9	
76 Acetophenone	105	5.879	5.874	0.005	97	1471903	164.9	
105 Caprolactam	113	7.455	7.407	0.048	72	292206	165.5	
117 1,2,4,5-Tetrachlorobenzene	216	7.984	7.979	0.005	96	1185257	160.2	
123 1,1'-Biphenyl	154	8.337	8.331	0.006	95	2846262	160.6	
140 2,3,4,6-Tetrachlorophenol	232	9.394	9.395	-0.001	73	692788	181.6	
163 Atrazine	200	10.415	10.399	0.016	94	836035	175.5	

Report Date: 02-Sep-2011 07:46:04

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File:

\\Bufchrom\ChromData\HP5973X\20110901-5709.b\X7381.D

Injection Date: 01-Sep-2011 15:55:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 29803

Lims Sample ID: 8

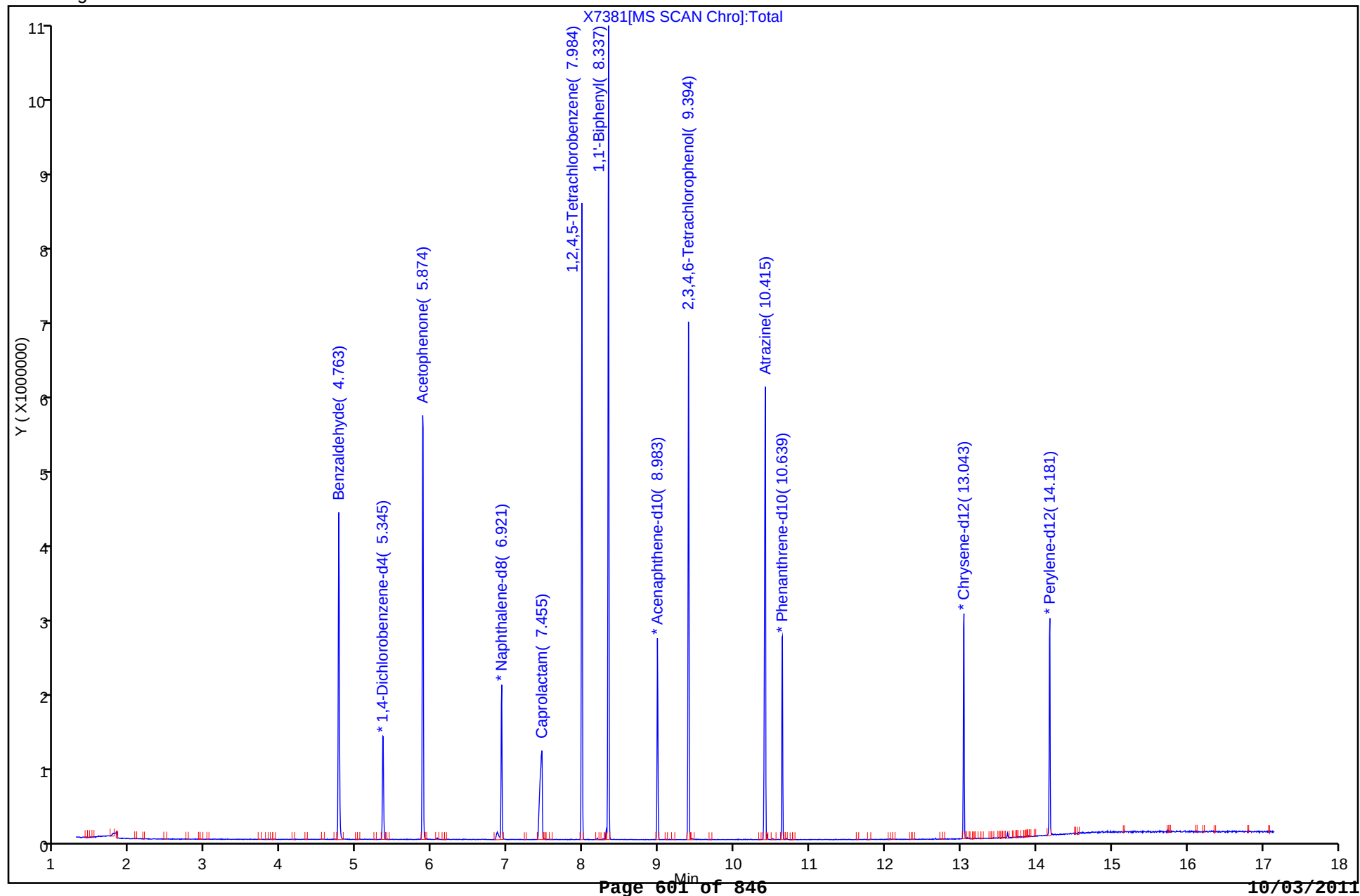
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X7382.D
 Lims ID: IC - TCLADDS 120 pt Client ID:
 Inject. Date: 01-Sep-2011 16:17:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 480-0005709-009
 Misc. Info.: IC - TCLADDS 120 PT
 Operator: MKP Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 9
 Lims Batch ID: 29803 Lims Sample ID: 9
 Sublist: chrom-X-8270*sub4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X-8270.m
 Last Update: 02-Sep-2011 07:46:04 Calib Date: 01-Sep-2011 23:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X7400.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 02-Sep-2011 07:41:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.345	5.351	-0.006	98	173536	40.0	
* 2 Naphthalene-d8	136	6.921	6.921	0.0	99	655833	40.0	
* 3 Acenaphthene-d10	164	8.983	8.983	0.0	89	435121	40.0	
* 4 Phenanthrene-d10	188	10.634	10.639	-0.005	97	725739	40.0	
* 5 Chrysene-d12	240	13.038	13.043	-0.005	97	749175	40.0	
* 6 Perylene-d12	264	14.176	14.181	-0.005	99	751884	40.0	
62 Benzaldehyde	77	4.763	4.763	0.0	85	501049	118.0	
76 Acetophenone	105	5.874	5.874	0.0	94	921828	120.3	
105 Caprolactam	113	7.445	7.407	0.038	75	182519	121.2	
117 1,2,4,5-Tetrachlorobenzene	216	7.984	7.979	0.005	96	755553	118.4	
123 1,1'-Biphenyl	154	8.332	8.331	0.001	95	1815432	118.8	
140 2,3,4,6-Tetrachlorophenol	232	9.395	9.395	0.0	72	419568	127.6	
163 Atrazine	200	10.410	10.399	0.011	91	522422	127.2	

Report Date: 02-Sep-2011 07:46:04

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X7382.D

Injection Date: 01-Sep-2011 16:17:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 29803

Lims Sample ID: 9

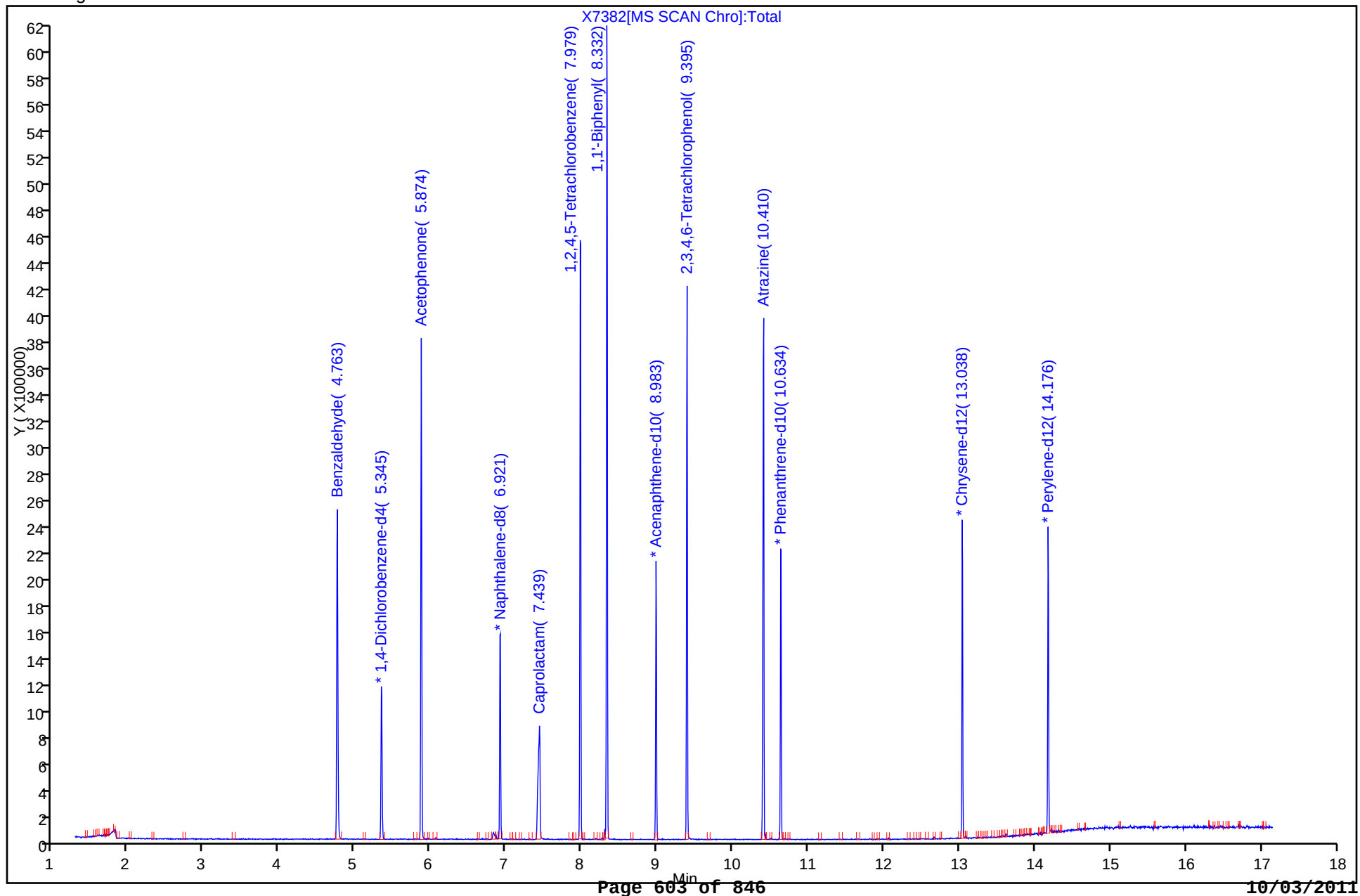
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X7383.D
 Lims ID: IC - TCLADDS 80 pt Client ID:
 Inject. Date: 01-Sep-2011 16:40:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 480-0005709-010
 Misc. Info.: IC - TCLADDS 80 PT
 Operator: MKP Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 10
 Lims Batch ID: 29803 Lims Sample ID: 10
 Sublist: chrom-X-8270*sub4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X-8270.m
 Last Update: 02-Sep-2011 07:46:05 Calib Date: 01-Sep-2011 23:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X7400.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 02-Sep-2011 07:41:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.345	5.351	-0.006	96	158309	40.0	
* 2 Naphthalene-d8	136	6.921	6.921	0.0	98	613107	40.0	
* 3 Acenaphthene-d10	164	8.983	8.983	0.0	87	397514	40.0	
* 4 Phenanthrene-d10	188	10.634	10.639	-0.005	96	663913	40.0	
* 5 Chrysene-d12	240	13.043	13.043	0.0	97	681527	40.0	
* 6 Perylene-d12	264	14.176	14.181	-0.005	99	689290	40.0	
62 Benzaldehyde	77	4.763	4.763	0.0	85	317981	82.1	
76 Acetophenone	105	5.874	5.874	0.0	95	577852	82.7	
105 Caprolactam	113	7.434	7.407	0.027	69	107768	77.5	
117 1,2,4,5-Tetrachlorobenzene	216	7.979	7.979	0.0	96	470343	80.7	
123 1,1'-Biphenyl	154	8.332	8.331	0.001	95	1110809	79.6	
140 2,3,4,6-Tetrachlorophenol	232	9.395	9.395	0.0	71	257405	85.7	
163 Atrazine	200	10.404	10.399	0.005	91	309858	82.6	

Report Date: 02-Sep-2011 07:46:05

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X7383.D

Injection Date: 01-Sep-2011 16:40:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 29803

Lims Sample ID: 10

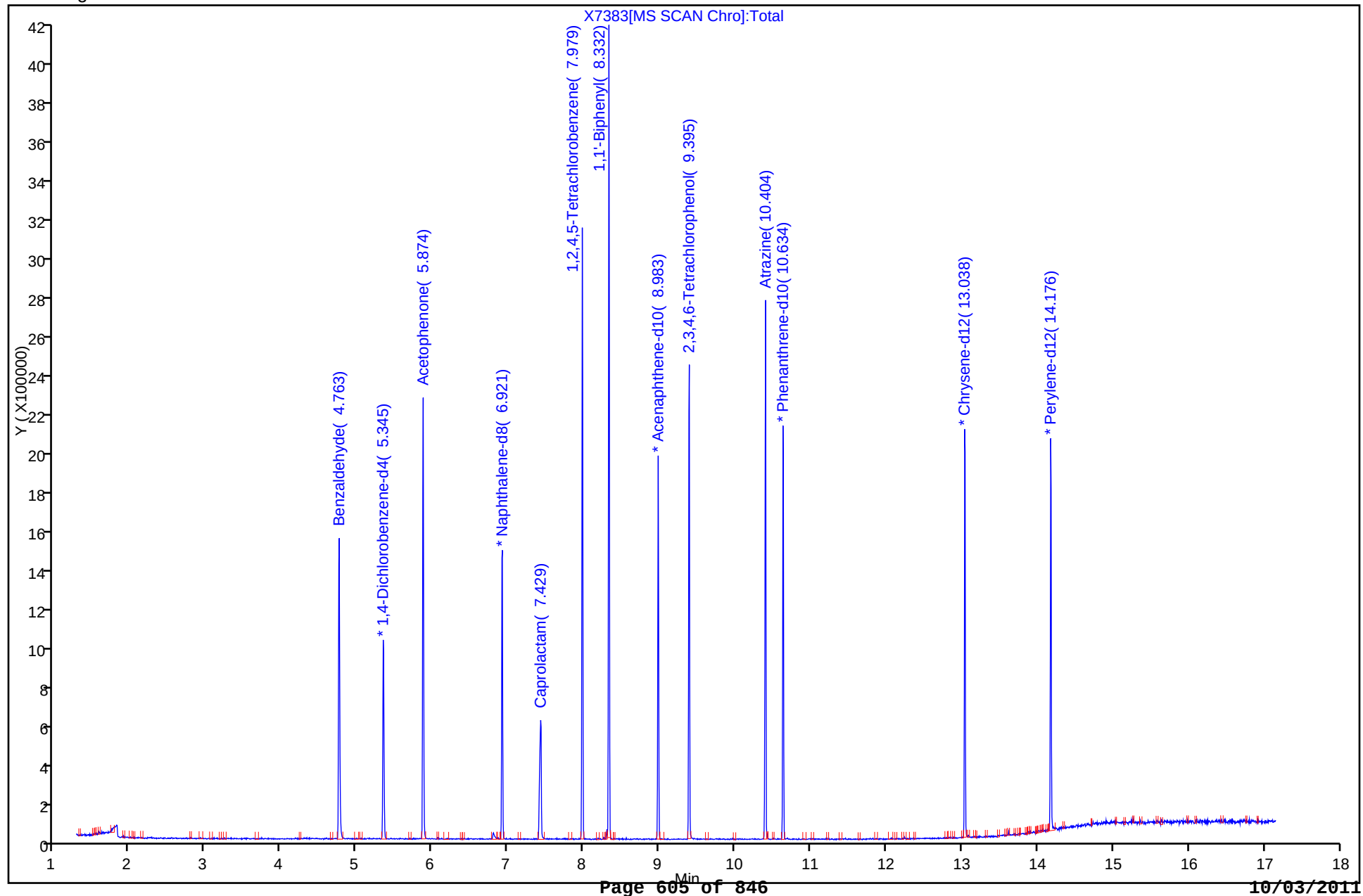
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X7384.D
 Lims ID: IC - TCLADDS 50 pt Client ID:
 Inject. Date: 01-Sep-2011 17:03:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 480-0005709-011
 Misc. Info.: IC - TCLADDS 50 PT
 Operator: MKP Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 11
 Lims Batch ID: 29803 Lims Sample ID: 11
 Sublist: chrom-X-8270*sub4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X-8270.m
 Last Update: 02-Sep-2011 07:46:05 Calib Date: 01-Sep-2011 23:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X7400.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 02-Sep-2011 07:40:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.345	5.345	0.0	95	156639	40.0	
* 2 Naphthalene-d8	136	6.921	6.921	0.0	99	616774	40.0	
* 3 Acenaphthene-d10	164	8.983	8.983	0.0	90	401504	40.0	
* 4 Phenanthrene-d10	188	10.634	10.634	0.0	96	667533	40.0	
* 5 Chrysene-d12	240	13.038	13.038	0.0	98	660004	40.0	
* 6 Perylene-d12	264	14.176	14.176	0.0	99	671016	40.0	
62 Benzaldehyde	77	4.763	4.763	0.0	84	192836	50.3	
76 Acetophenone	105	5.874	5.874	0.0	94	361497	52.3	
105 Caprolactam	113	7.423	7.423	0.0	66	62798	46.0	
117 1,2,4,5-Tetrachlorobenzene	216	7.979	7.979	0.0	96	286117	48.6	
123 1,1'-Biphenyl	154	8.331	8.331	0.0	95	686084	48.7	
140 2,3,4,6-Tetrachlorophenol	232	9.394	9.394	0.0	70	155884	51.4	
163 Atrazine	200	10.399	10.399	0.0	93	192542	50.8	

Report Date: 02-Sep-2011 07:46:05

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X7384.D

Injection Date: 01-Sep-2011 17:03:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 29803

Lims Sample ID: 11

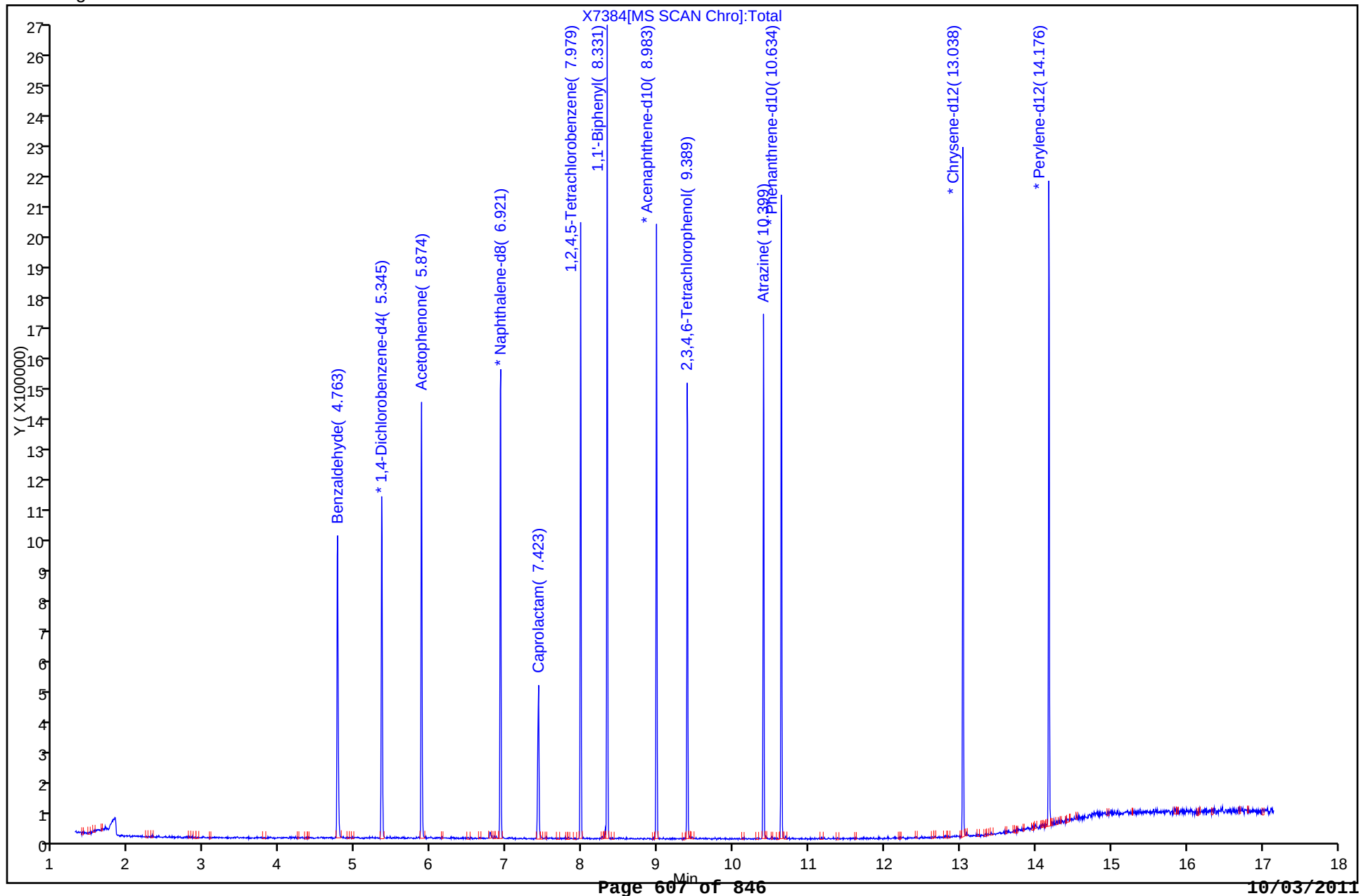
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X7385.D
 Lims ID: IC - TCLADDS 20 pt Client ID:
 Inject. Date: 01-Sep-2011 17:26:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 480-0005709-012
 Misc. Info.: IC - TCLADDS 20 PT
 Operator: MKP Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 29803 Lims Sample ID: 12
 Sublist: chrom-X-8270*sub4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X-8270.m
 Last Update: 02-Sep-2011 07:46:06 Calib Date: 01-Sep-2011 23:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X7400.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 02-Sep-2011 07:42:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.345	5.345	0.0	96	193691	40.0	
* 2 Naphthalene-d8	136	6.921	6.921	0.0	99	755258	40.0	
* 3 Acenaphthene-d10	164	8.983	8.983	0.0	90	468821	40.0	
* 4 Phenanthrene-d10	188	10.634	10.634	0.0	96	773182	40.0	
* 5 Chrysene-d12	240	13.043	13.038	0.005	97	807727	40.0	
* 6 Perylene-d12	264	14.176	14.176	0.0	94	829814	40.0	
62 Benzaldehyde	77	4.763	4.763	0.0	85	95595	20.2	
76 Acetophenone	105	5.874	5.874	0.0	93	170013	19.9	
105 Caprolactam	113	7.413	7.423	-0.010	64	29378	19.3	
117 1,2,4,5-Tetrachlorobenzene	216	7.979	7.979	0.0	94	142877	20.8	
123 1,1'-Biphenyl	154	8.331	8.331	0.0	94	329842	20.0	
140 2,3,4,6-Tetrachlorophenol	232	9.389	9.394	-0.005	72	68128	19.2	
163 Atrazine	200	10.399	10.399	0.0	90	88334	20.0	

Report Date: 02-Sep-2011 07:46:06

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X7385.D

Injection Date: 01-Sep-2011 17:26:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 29803

Lims Sample ID: 12

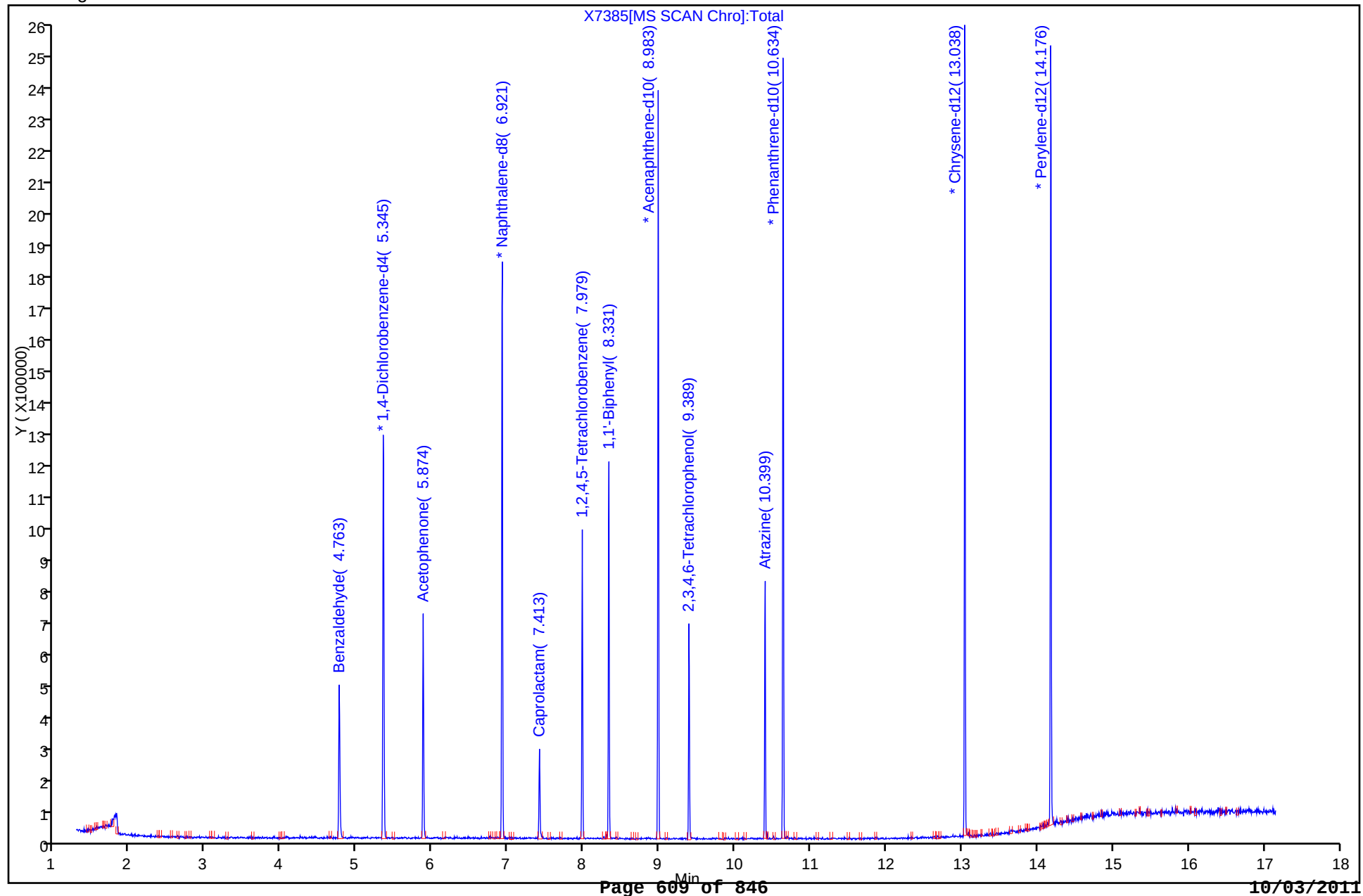
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X7386.D
 Lims ID: IC - TCLADDS 5 pt Client ID:
 Inject. Date: 01-Sep-2011 17:48:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 480-0005709-013
 Misc. Info.: IC - TCLADDS 5 PT
 Operator: MKP Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 29803 Lims Sample ID: 13
 Sublist: chrom-X-8270*sub4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X-8270.m
 Last Update: 02-Sep-2011 07:46:06 Calib Date: 01-Sep-2011 23:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X7400.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 02-Sep-2011 07:42:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.345	5.345	0.0	96	168931	40.0	
* 2 Naphthalene-d8	136	6.916	6.921	-0.005	99	628922	40.0	
* 3 Acenaphthene-d10	164	8.983	8.983	0.0	90	388859	40.0	
* 4 Phenanthrene-d10	188	10.634	10.634	0.0	97	629013	40.0	
* 5 Chrysene-d12	240	13.038	13.038	0.0	97	655415	40.0	
* 6 Perylene-d12	264	14.176	14.176	0.0	99	669123	40.0	
62 Benzaldehyde	77	4.763	4.763	0.0	72	19880	4.81	
76 Acetophenone	105	5.874	5.874	0.0	84	33320	4.47	
105 Caprolactam	113	7.407	7.423	-0.016	40	4160	5.52	
117 1,2,4,5-Tetrachlorobenzene	216	7.979	7.979	0.0	83	28280	4.96	
123 1,1'-Biphenyl	154	8.332	8.331	0.001	92	70815	5.19	
140 2,3,4,6-Tetrachlorophenol	232	9.395	9.394	0.001	39	10916	3.71	
163 Atrazine	200	10.394	10.399	-0.005	68	14616	3.98	

Report Date: 02-Sep-2011 07:46:06

Chrom Revision: 2.0 11-Aug-2011 08:33:58

Data File: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X7386.D

Injection Date: 01-Sep-2011 17:48:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 29803

Lims Sample ID: 13

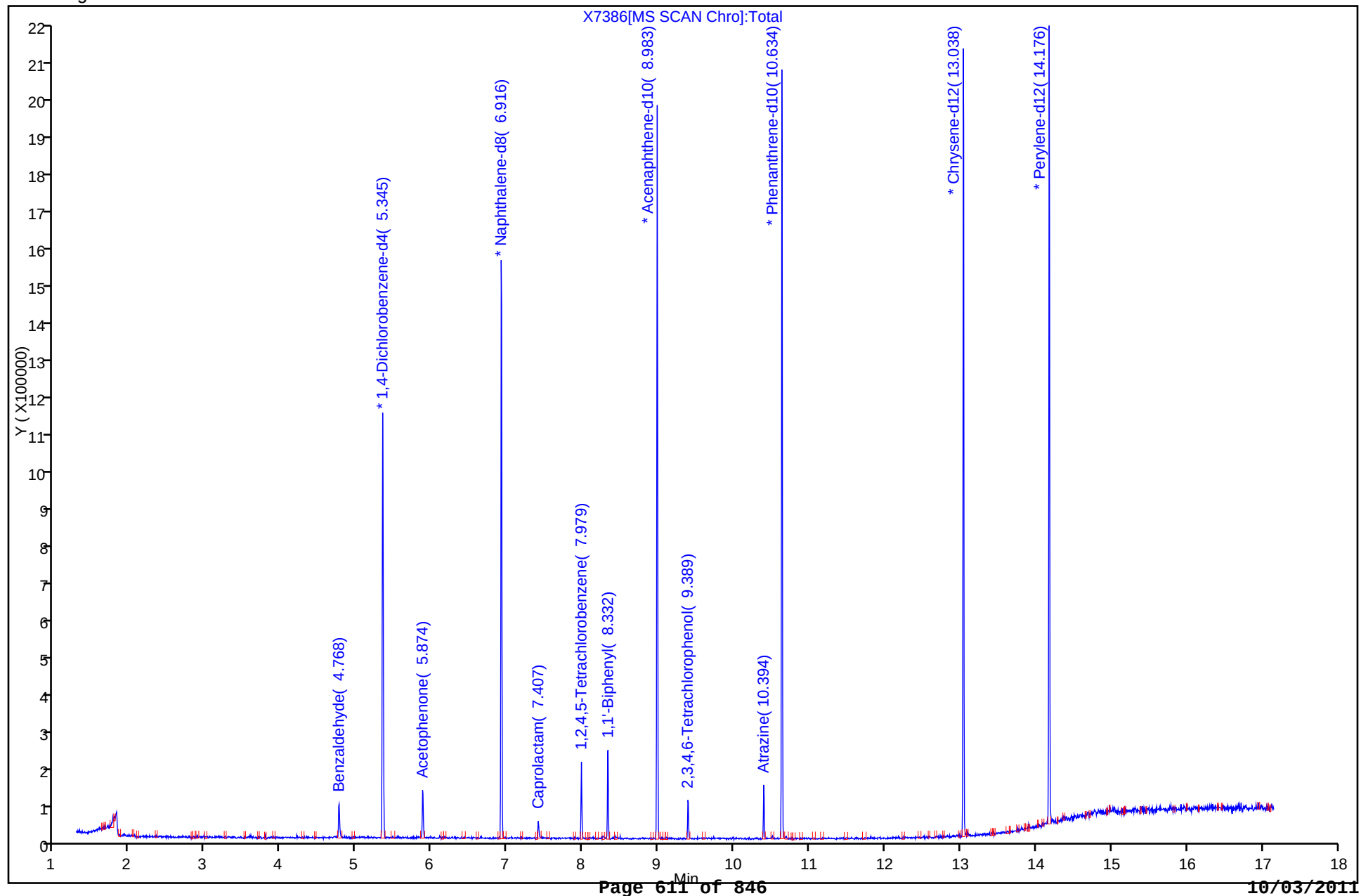
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 30575

SDG No.: _____

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2011 12:43 Calibration End Date: 09/09/2011 14:37 Calibration ID: 3852

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-30575/44	X7706.D
Level 2	IC 480-30575/43	X7705.D
Level 3	ICIS 480-30575/42	X7704.D
Level 4	IC 480-30575/41	X7703.D
Level 5	IC 480-30575/40	X7702.D
Level 6	IC 480-30575/39	X7701.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodimethylamine	0.9926 0.8380	0.8444	0.8394	0.8854	0.8282	Ave		0.8713				7.2		15.0			
Pyridine	0.9864 0.8818	0.9952	0.8779	0.9222	0.8489	Ave		0.9187				6.6		15.0			
Aniline	1.9073 1.9126	1.8482	1.8251	1.9169	1.8750	Ave		1.8808				2.0		15.0			
Phenol	1.6089 1.7091	1.5986	1.6067	1.6952	1.6793	Ave		1.6496				3.0		15.0			
Bis (2-chloroethyl) ether	1.2260 1.2136	1.2249	1.1583	1.2256	1.1881	Ave		1.2061				2.3		15.0			
2-Chlorophenol	1.3053 1.4080	1.3978	1.3233	1.3759	1.3603	Ave		1.3618				3.0		15.0			
1,3-Dichlorobenzene	1.5944 1.6086	1.5655	1.5135	1.6035	1.5655	Ave		1.5752				2.3		15.0			
1,4-Dichlorobenzene	1.6069 1.6298	1.6107	1.5624	1.6419	1.5872	Ave		1.6065				1.8		15.0			
1,2-Dichlorobenzene	1.5820 1.5607	1.4718	1.5048	1.5593	1.5364	Ave		1.5358				2.7		15.0			
Benzyl alcohol	0.7713 0.9222	0.8245	0.8074	0.9091	0.8716	Ave		0.8510				7.0		15.0			
bis (2-chloroisopropyl) ether	1.5396 1.4435	1.3437	1.3693	1.4434	1.4287	Ave		1.4280				4.8		15.0			
2-Methylphenol	1.0821 1.2550	1.1201	1.1162	1.1639	1.1604	Ave		1.1496				5.2		15.0			
N-Nitrosodi-n-propylamine	0.8600 0.9489	0.9015	0.8687	0.9011	0.9255	Ave		0.9010			0.0500	3.7		15.0			
4-Methylphenol	1.0970 1.2433	1.1289	1.1609	1.2142	1.2057	Ave		1.1750				4.7		15.0			
Hexachloroethane	0.5768 0.6259	0.5986	0.5933	0.6210	0.6112	Ave		0.6045				3.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 30575

SDG No.: _____

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2011 12:43 Calibration End Date: 09/09/2011 14:37 Calibration ID: 3852

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Nitrobenzene	0.3473 0.3802	0.3593	0.3755	0.3881	0.3871	Ave		0.3729				4.4		15.0			
Isophorone	0.6086 0.6481	0.6532	0.6568	0.6646	0.6557	Ave		0.6479				3.1		15.0			
2-Nitrophenol	0.1693 0.2039	0.1956	0.2008	0.2103	0.2030	Ave		0.1972				7.3		15.0			
2,4-Dimethylphenol	0.3353 0.3888	0.3740	0.3866	0.3965	0.3866	Ave		0.3780				5.9		15.0			
Tetraethyl lead	0.2086 0.1944	0.2067	0.1926	0.2087	0.1997	Ave		0.2018				3.6		15.0			
Bis (2-chloroethoxy)methane	0.3436 0.3627	0.3498	0.3642	0.3782	0.3698	Ave		0.3614				3.5		15.0			
2,4-Dichlorophenol	0.2992 0.3279	0.3243	0.3229	0.3335	0.3297	Ave		0.3229				3.8		15.0			
Benzoic acid	0.2516 0.2969	0.2562	0.2785	0.2965	0.2982	Ave		0.2797				7.6		15.0			
1,2,4-Trichlorobenzene	0.3602 0.3547	0.3546	0.3612	0.3727	0.3629	Ave		0.3611				1.8		15.0			
Naphthalene	0.9768 0.9741	0.9740	0.9951	1.0120	0.9975	Ave		0.9882				1.6		15.0			
4-Chloroaniline	0.3947 0.4190	0.4251	0.4174	0.4257	0.4287	Ave		0.4184				3.0		15.0			
Hexachlorobutadiene	0.2415 0.2381	0.2330	0.2504	0.2556	0.2475	Ave		0.2443				3.4		15.0			
4-Chloro-3-methylphenol	0.3077 0.3331	0.3214	0.3290	0.3389	0.3395	Ave		0.3283				3.7		15.0			
2-Methylnaphthalene	0.6887 0.6968	0.6783	0.6916	0.7168	0.7047	Ave		0.6961				1.9		15.0			
Hexachlorocyclopentadiene	0.3209 0.4442	0.3657	0.4176	0.4370	0.4413	Ave		0.4045			0.0500	12.0		15.0			
2,4,6-Trichlorophenol	0.3828 0.3966	0.3957	0.3966	0.3989	0.4057	Ave		0.3961				1.9		15.0			
2,4,5-Trichlorophenol	0.3922 0.4379	0.4040	0.4241	0.4285	0.4256	Ave		0.4187				4.1		15.0			
2-Chloronaphthalene	1.0785 1.0868	1.0240	1.0911	1.1006	1.0778	Ave		1.0765				2.5		15.0			
2-Nitroaniline	0.2877 0.3223	0.3023	0.3112	0.3197	0.3228	Ave		0.3110				4.5		15.0			
Dimethyl phthalate	1.3337 1.2946	1.2908	1.3050	1.3289	1.3093	Ave		1.3104				1.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 30575

SDG No.: _____

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2011 12:43 Calibration End Date: 09/09/2011 14:37 Calibration ID: 3852

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2,6-Dinitrotoluene	0.2530 0.2966	0.2465	0.2809	0.2973	0.3018	Ave		0.2794				8.6		15.0			
Acenaphthylene	1.5787 1.5814	1.5479	1.6202	1.6455	1.6129	Ave		1.5978				2.2		15.0			
3-Nitroaniline	0.2630 0.3083	0.2906	0.2933	0.3090	0.3175	Ave		0.2969				6.6		15.0			
Acenaphthene	0.9531 1.0016	0.9452	0.9768	1.0038	1.0030	Ave		0.9806				2.7		15.0			
2,4-Dinitrophenol	0.0116 0.1604	0.0478	0.1143	0.1354	0.1517	Lin1	-1.885	0.1655			0.0500				0.9940		0.9900
Dibenzofuran	1.6251 1.5715	1.5363	1.5915	1.6028	1.5985	Ave		1.5876				1.9		15.0			
4-Nitrophenol	0.2051 0.2681	0.2185	0.2547	0.2602	0.2621	Ave		0.2448			0.0500	11.0		15.0			
2,4-Dinitrotoluene	0.3447 0.4184	0.3863	0.4198	0.4255	0.4243	Ave		0.4032				8.0		15.0			
Diethyl phthalate	1.3209 1.2663	1.2447	1.2555	1.3016	1.2796	Ave		1.2781				2.3		15.0			
Fluorene	1.2711 1.2584	1.2250	1.2525	1.2887	1.2648	Ave		1.2601				1.7		15.0			
4-Chlorophenyl phenyl ether	0.6463 0.6723	0.6509	0.6710	0.7028	0.6791	Ave		0.6704				3.0		15.0			
4-Nitroaniline	0.2327 0.3091	0.2740	0.2987	0.3212	0.3090	Ave		0.2908				11.0		15.0			
4,6-Dinitro-2-methylphenol	0.1027 0.1833	0.1248	0.1710	0.1688	0.1770	Lin1	-0.960	0.1862							0.9990		0.9900
N-Nitrosodiphenylamine	0.5297 0.5419	0.5199	0.5310	0.5371	0.5357	Ave		0.5326				1.4		15.0			
1,2-Diphenylhydrazine	1.1601 1.1503	1.1084	1.1752	1.1973	1.1634	Ave		1.1591				2.6		15.0			
4-Bromophenyl phenyl ether	0.2462 0.2446	0.2391	0.2336	0.2439	0.2402	Ave		0.2413				1.9		15.0			
Hexachlorobenzene	0.2460 0.2745	0.2659	0.2650	0.2734	0.2719	Ave		0.2661				4.0		15.0			
Pentachlorophenol	0.0860 0.1791	0.1234	0.1457	0.1626	0.1749	Lin1	-1.106	0.1816							0.9980		0.9900
Phenanthrene	1.1389 1.0588	1.0798	1.0498	1.0785	1.0574	Ave		1.0772				3.0		15.0			
Anthracene	1.1038 1.0791	1.0602	1.0735	1.1017	1.0876	Ave		1.0843				1.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 30575

SDG No.: _____

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2011 12:43 Calibration End Date: 09/09/2011 14:37 Calibration ID: 3852

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbazole	0.9792 0.9777	0.9879	1.0028	1.0177	1.0035	Ave		0.9948				1.6		15.0			
Di-n-butyl phthalate	1.1982 1.2061	1.2091	1.2464	1.2527	1.2360	Ave		1.2247				1.9		15.0			
Fluoranthene	1.2066 1.1849	1.2393	1.2323	1.2538	1.2280	Ave		1.2241				2.0		15.0			
Benzidine	0.5233 0.5544	0.5894	0.5193	0.6020	0.5677	Ave		0.5594				6.1		15.0			
Pyrene	1.2247 1.1672	1.2306	1.2494	1.2356	1.1791	Ave		1.2144				2.7		15.0			
Butyl benzyl phthalate	0.4674 0.5415	0.5363	0.5399	0.5598	0.5403	Ave		0.5309				6.1		15.0			
3,3'-Dichlorobenzidine	0.3925 0.4931	0.4272	0.4683	0.4863	0.4893	Ave		0.4595				8.9		15.0			
Benzo(a)anthracene	1.1291 1.1155	1.1134	1.1389	1.1664	1.1474	Ave		1.1351				1.8		15.0			
Chrysene	1.1407 1.0482	1.0916	1.0831	1.0991	1.0573	Ave		1.0866				3.0		15.0			
Bis(2-ethylhexyl) phthalate	0.6858 0.7141	0.6952	0.7084	0.7447	0.7225	Ave		0.7118				2.9		15.0			
Di-n-octyl phthalate	1.0543 1.1558	1.1136	1.1738	1.2110	1.1888	Ave		1.1496				5.0		15.0			
Benzo(b)fluoranthene	1.2254 1.2515	1.1283	1.2778	1.1782	1.2288	Ave		1.2150				4.4		15.0			
Benzo(k)fluoranthene	1.1396 1.1540	1.1868	1.1390	1.1945	1.1570	Ave		1.1618				2.0		15.0			
Benzo(a)pyrene	0.9348 0.9976	0.9549	0.9867	0.9980	0.9996	Ave		0.9786				2.8		15.0			
Indeno(1,2,3-cd)pyrene	1.2541 1.3647	1.2361	1.3093	1.3271	1.3438	Ave		1.3058				3.9		15.0			
Dibenz(a,h)anthracene	1.0737 1.1471	1.0731	1.1037	1.1338	1.1447	Ave		1.1127				3.1		15.0			
Benzo(g,h,i)perylene	1.0474 1.1197	1.0269	1.0582	1.0781	1.0881	Ave		1.0697				3.1		15.0			
2-Fluorophenol	1.2048 1.2746	1.2263	1.1964	1.2714	1.2315	Ave		1.2342				2.7		15.0			
Phenol-d5	1.4809 1.5387	1.4042	1.4318	1.5112	1.5104	Ave		1.4795				3.5		15.0			
Nitrobenzene-d5	0.3505 0.3764	0.3703	0.3830	0.3914	0.3804	Ave		0.3753				3.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 30575

SDG No.: _____

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2011 12:43 Calibration End Date: 09/09/2011 14:37 Calibration ID: 3852

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Fluorobiphenyl	1.3165 1.2484	1.1898	1.2413	1.2814	1.2587	Ave		1.2560				3.4		15.0			
2,4,6-Tribromophenol	0.1305 0.1483	0.1306	0.1396	0.1477	0.1420	Ave		0.1398				5.6		15.0			
p-Terphenyl-d14	0.9100 0.8815	0.8808	0.8759	0.8980	0.8895	Ave		0.8893				1.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 30575

SDG No.: _____

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2011 12:43 Calibration End Date: 09/09/2011 14:37 Calibration ID: 3852

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-30575/44	X7706.D
Level 2	IC 480-30575/43	X7705.D
Level 3	ICIS 480-30575/42	X7704.D
Level 4	IC 480-30575/41	X7703.D
Level 5	IC 480-30575/40	X7702.D
Level 6	IC 480-30575/39	X7701.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
N-Nitrosodimethylamine	DCB	Ave	24099 668024	84689	221498	344600	480009	5.00 160	20.0	50.0	80.0	120
Pyridine	DCB	Ave	23948 702939	99816	231645	358914	491956	5.00 160	20.0	50.0	80.0	120
Aniline	DCB	Ave	46306 1524715	185371	481597	746057	1086645	5.00 160	20.0	50.0	80.0	120
Phenol	DCB	Ave	39063 1362505	160329	423957	659790	973251	5.00 160	20.0	50.0	80.0	120
Bis (2-chloroethyl) ether	DCB	Ave	29767 967448	122851	305650	477013	688541	5.00 160	20.0	50.0	80.0	120
2-Chlorophenol	DCB	Ave	31692 1122478	140191	349181	535493	788370	5.00 160	20.0	50.0	80.0	120
1,3-Dichlorobenzene	DCB	Ave	38711 1282376	157014	399356	624109	907259	5.00 160	20.0	50.0	80.0	120
1,4-Dichlorobenzene	DCB	Ave	39013 1299250	161550	412265	639045	919862	5.00 160	20.0	50.0	80.0	120
1,2-Dichlorobenzene	DCB	Ave	38409 1244173	147613	397080	606883	890403	5.00 160	20.0	50.0	80.0	120
Benzyl alcohol	DCB	Ave	18727 735174	82690	213055	353821	505146	5.00 160	20.0	50.0	80.0	120
bis (2-chloroisopropyl) ether	DCB	Ave	37379 1150715	134771	361310	561764	827990	5.00 160	20.0	50.0	80.0	120
2-Methylphenol	DCB	Ave	26273 1000473	112337	294535	453007	672481	5.00 160	20.0	50.0	80.0	120
N-Nitrosodi-n-propylamine	DCB	Ave	20881 756466	90416	229227	350712	536357	5.00 160	20.0	50.0	80.0	120
4-Methylphenol	DCB	Ave	26633 991180	113228	306321	472573	698781	5.00 160	20.0	50.0	80.0	120
Hexachloroethane	DCB	Ave	14005 498977	60034	156556	241683	354215	5.00 160	20.0	50.0	80.0	120
Nitrobenzene	NPT	Ave	31279 1195400	135363	357205	563109	837574	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 30575

SDG No.: _____

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2011 12:43 Calibration End Date: 09/09/2011 14:37 Calibration ID: 3852

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Isophorone	NPT	Ave	54818 2037821	246112	624819	964254	1418629	5.00 160	20.0	50.0	80.0	120
2-Nitrophenol	NPT	Ave	15250 641121	73710	191027	305081	439284	5.00 160	20.0	50.0	80.0	120
2,4-Dimethylphenol	NPT	Ave	30198 1222581	140894	367793	575294	836406	5.00 160	20.0	50.0	80.0	120
Tetraethyl lead	NPT	Ave	18792 611352	77881	183211	302831	432123	5.00 160	20.0	50.0	80.0	120
Bis(2-chloroethoxy)methane	NPT	Ave	30945 1140338	131788	346447	548625	800036	5.00 160	20.0	50.0	80.0	120
2,4-Dichlorophenol	NPT	Ave	26951 1030805	122188	307122	483804	713289	5.00 160	20.0	50.0	80.0	120
Benzoic acid	NPT	Ave	453198 2800328	579224	794878	1290518	1935411	100 480	120	150	240	360
1,2,4-Trichlorobenzene	NPT	Ave	32442 1115284	133603	343627	540652	785236	5.00 160	20.0	50.0	80.0	120
Naphthalene	NPT	Ave	87982 3062571	366957	946577	1468185	2158313	5.00 160	20.0	50.0	80.0	120
4-Chloroaniline	NPT	Ave	35555 1317391	160175	397036	617667	927466	5.00 160	20.0	50.0	80.0	120
Hexachlorobutadiene	NPT	Ave	21748 748669	87770	238211	370802	535481	5.00 160	20.0	50.0	80.0	120
4-Chloro-3-methylphenol	NPT	Ave	27719 1047340	121108	312961	491737	734498	5.00 160	20.0	50.0	80.0	120
2-Methylnaphthalene	NPT	Ave	62036 2190719	255547	657890	1039889	1524768	5.00 160	20.0	50.0	80.0	120
Hexachlorocyclopentadiene	ANT	Ave	18471 929897	93183	265812	425212	641251	5.00 160	20.0	50.0	80.0	120
2,4,6-Trichlorophenol	ANT	Ave	22036 830343	100832	252436	388139	589434	5.00 160	20.0	50.0	80.0	120
2,4,5-Trichlorophenol	ANT	Ave	22573 916815	102922	269913	416889	618355	5.00 160	20.0	50.0	80.0	120
2-Chloronaphthalene	ANT	Ave	62080 2275442	260911	694450	1070839	1566045	5.00 160	20.0	50.0	80.0	120
2-Nitroaniline	ANT	Ave	16563 674707	77032	198092	311108	468993	5.00 160	20.0	50.0	80.0	120
Dimethyl phthalate	ANT	Ave	76769 2710290	328882	830615	1293061	1902320	5.00 160	20.0	50.0	80.0	120
2,6-Dinitrotoluene	ANT	Ave	14565 621046	62814	178773	289316	438512	5.00 160	20.0	50.0	80.0	120
Acenaphthylene	ANT	Ave	90869 3310764	394396	1031256	1601057	2343441	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 30575

SDG No.: _____

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2011 12:43 Calibration End Date: 09/09/2011 14:37 Calibration ID: 3852

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
3-Nitroaniline	ANT	Ave	15141 645379	74030	186653	300692	461299	5.00 160	20.0	50.0	80.0	120
Acenaphthene	ANT	Ave	54864 2096880	240815	621704	976685	1457341	5.00 160	20.0	50.0	80.0	120
2,4-Dinitrophenol	ANT	Lin1	1330 335873	12186	72753	131769	220394	10.0 160	20.0	50.0	80.0	120
Dibenzofuran	ANT	Ave	93540 3290091	391435	1012958	1559529	2322479	5.00 160	20.0	50.0	80.0	120
4-Nitrophenol	ANT	Ave	23614 561342	55669	162109	253133	380857	10.0 160	20.0	50.0	80.0	120
2,4-Dinitrotoluene	ANT	Ave	19842 875891	98430	267211	413988	616511	5.00 160	20.0	50.0	80.0	120
Diethyl phthalate	ANT	Ave	76032 2651140	317123	799093	1266448	1859117	5.00 160	20.0	50.0	80.0	120
Fluorene	ANT	Ave	73166 2634547	312106	797191	1253944	1837744	5.00 160	20.0	50.0	80.0	120
4-Chlorophenyl phenyl ether	ANT	Ave	37204 1407486	165850	427086	683850	986727	5.00 160	20.0	50.0	80.0	120
4-Nitroaniline	ANT	Ave	13397 647161	69818	190103	312551	448980	5.00 160	20.0	50.0	80.0	120
4,6-Dinitro-2-methylphenol	PHN	Lin1	19732 638028	51733	183199	278155	433922	10.0 160	20.0	50.0	80.0	120
N-Nitrosodiphenylamine	PHN	Ave	50871 1886198	215483	568791	885140	1313126	5.00 160	20.0	50.0	80.0	120
1,2-Diphenylhydrazine	ANT	Ave	66774 2408309	282412	747972	1164939	1690344	5.00 160	20.0	50.0	80.0	120
4-Bromophenyl phenyl ether	PHN	Ave	23649 851562	99080	250238	401915	588757	5.00 160	20.0	50.0	80.0	120
Hexachlorobenzene	PHN	Ave	23622 955442	110215	283806	450535	666486	5.00 160	20.0	50.0	80.0	120
Pentachlorophenol	PHN	Lin1	16515 623549	51131	156060	268001	428713	10.0 160	20.0	50.0	80.0	120
Phenanthrene	PHN	Ave	109385 3685459	447537	1124425	1777227	2592084	5.00 160	20.0	50.0	80.0	120
Anthracene	PHN	Ave	106013 3756218	439421	1149806	1815475	2666202	5.00 160	20.0	50.0	80.0	120
Carbazole	PHN	Ave	94042 3403075	409438	1074111	1677031	2460050	5.00 160	20.0	50.0	80.0	120
Di-n-butyl phthalate	PHN	Ave	115075 4198355	501125	1335001	2064316	3029817	5.00 160	20.0	50.0	80.0	120
Fluoranthene	PHN	Ave	115885 4124332	513660	1319847	2066156	3010266	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 30575

SDG No.: _____

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2011 12:43 Calibration End Date: 09/09/2011 14:37 Calibration ID: 3852

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Benzidine	CRY	Ave	51817 1985165	247065	565876	1016239	1450422	5.00 160	20.0	50.0	80.0	120
Pyrene	CRY	Ave	121273 4179518	515825	1361513	2085674	3012537	5.00 160	20.0	50.0	80.0	120
Butyl benzyl phthalate	CRY	Ave	46278 1938846	224813	588368	944929	1380542	5.00 160	20.0	50.0	80.0	120
3,3'-Dichlorobenzidine	CRY	Ave	38870 1765466	179055	510358	820933	1250150	5.00 160	20.0	50.0	80.0	120
Benzo(a)anthracene	CRY	Ave	111809 3994236	466671	1241163	1968828	2931468	5.00 160	20.0	50.0	80.0	120
Chrysene	CRY	Ave	112950 3753103	457552	1180286	1855222	2701364	5.00 160	20.0	50.0	80.0	120
Bis(2-ethylhexyl) phthalate	CRY	Ave	67914 2556834	291394	771947	1257014	1845891	5.00 160	20.0	50.0	80.0	120
Di-n-octyl phthalate	CRY	Ave	104403 4138450	466758	1279191	2044246	3037258	5.00 160	20.0	50.0	80.0	120
Benzo(b)fluoranthene	PRY	Ave	127355 4310912	487339	1392026	1969582	3077478	5.00 160	20.0	50.0	80.0	120
Benzo(k)fluoranthene	PRY	Ave	118436 3974943	512586	1240841	1996887	2897784	5.00 160	20.0	50.0	80.0	120
Benzo(a)pyrene	PRY	Ave	97148 3436461	412436	1074893	1668337	2503654	5.00 160	20.0	50.0	80.0	120
Indeno(1,2,3-cd)pyrene	PRY	Ave	130337 4700791	533867	1426356	2218477	3365580	5.00 160	20.0	50.0	80.0	120
Dibenz(a,h)anthracene	PRY	Ave	111587 3951307	463483	1202372	1895417	2867090	5.00 160	20.0	50.0	80.0	120
Benzo(g,h,i)perylene	PRY	Ave	108851 3856929	443534	1152761	1802209	2725218	5.00 160	20.0	50.0	80.0	120
2-Fluorophenol	DCB	Ave	29250 1016137	122995	315703	494850	713697	5.00 160	20.0	50.0	80.0	120
Phenol-d5	DCB	Ave	35954 1226631	140840	377795	588156	875358	5.00 160	20.0	50.0	80.0	120
Nitrobenzene-d5	NPT	Ave	31571 1183315	139510	364313	567892	823074	5.00 160	20.0	50.0	80.0	120
2-Fluorobiphenyl	ANT	Ave	75780 2613598	303158	790071	1246809	1828861	5.00 160	20.0	50.0	80.0	120
2,4,6-Tribromophenol	PHN	Ave	12538 516245	54147	149552	243402	348197	5.00 160	20.0	50.0	80.0	120
p-Terphenyl-d14	CRY	Ave	90114 3156363	369212	954557	1515842	2272513	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1 Analy Batch No.: 30575
SDG No.: _____
Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 09/09/2011 12:43 Calibration End Date: 09/09/2011 14:37 Calibration ID: 3852

Curve Type Legend:

Ave = Average ISTD Lin1 = Linear 1/conc ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7701.D
 Lims ID: IC - 8270 160 pt Client ID:
 Inject. Date: 09-Sep-2011 12:43:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: IC
 Misc. Info.: IC - 8270 160 PT
 Operator: MKP Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 30575 Lims Sample ID: 39
 Sublist: chrom-X-8270*sub15
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X-8270.m
 Last Update: 13-Sep-2011 10:43:37 Calib Date: 09-Sep-2011 14:37:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7706.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

Date: 13-Sep-2011 10:43:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.109	5.109	0.0	96	199298	40.0	
* 2 Naphthalene-d8	136	6.701	6.701	0.0	98	786024	40.0	
* 3 Acenaphthene-d10	164	8.769	8.769	0.0	90	523403	40.0	
* 4 Phenanthrene-d10	188	10.435	10.430	0.005	96	870199	40.0	
* 5 Chrysene-d12	240	12.861	12.856	0.005	86	895170	40.0	
* 6 Perylene-d12	264	13.983	13.977	0.006	98	861146	40.0	
\$ 7 2-Fluorophenol	112	3.250	3.250	0.0	90	1016137	165.2	
\$ 8 Phenol-d5	99	4.735	4.725	0.010	0	1226631	166.4	
\$ 9 Nitrobenzene-d5	82	5.836	5.825	0.011	91	1183315	160.4	
\$ 10 2-Fluorobiphenyl	172	8.015	8.010	0.005	99	2613598	159.0	
\$ 11 2,4,6-Tribromophenol	330	9.693	9.688	0.005	57	516245	169.7	
\$ 12 p-Terphenyl-d14	244	11.979	11.974	0.005	99	3156363	158.6	
55 N-Nitrosodimethylamine	42	1.391	1.391	0.0	76	668024	153.9	
56 Pyridine	52	1.428	1.434	-0.006	85	702939	153.6	
64 Aniline	93	4.687	4.682	0.005	96	1524715	162.7	
63 Phenol	94	4.757	4.741	0.016	95	1362505	165.8	M
66 Bis(2-chloroethyl)ether	93	4.810	4.799	0.011	96	967448	161.0	
67 2-Chlorophenol	128	4.853	4.847	0.006	71	1122478	165.4	
69 1,3-Dichlorobenzene	146	5.034	5.034	0.0	95	1282376	163.4	
70 1,4-Dichlorobenzene	146	5.131	5.131	0.0	90	1299250	162.3	
72 1,2-Dichlorobenzene	146	5.328	5.328	0.0	92	1244173	162.6	
71 Benzyl alcohol	108	5.344	5.334	0.010	73	735174	173.4	
74 2,2'-oxybis[1-chloropropane]	45	5.521	5.521	0.0	74	1150715	161.7	
73 2-Methylphenol	108	5.531	5.526	0.005	95	1000473	174.7	
78 N-Nitrosodi-n-propylamine	70	5.692	5.681	0.011	88	756466	168.5	
79 4-Methylphenol	108	5.740	5.729	0.011	91	991180	169.3	
81 Hexachloroethane	117	5.756	5.756	0.0	84	498977	165.7	
83 Nitrobenzene	77	5.857	5.852	0.005	90	1195400	163.1	
86 Isophorone	82	6.178	6.167	0.011	95	2037821	160.1	
87 2-Nitrophenol	139	6.258	6.252	0.006	98	641121	165.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	6.381	6.375	0.006	98	1222581	164.6	
90 Tetraethyl lead	237	6.402	6.402	0.0	93	611352	154.2	
94 Bis(2-chloroethoxy)methane	93	6.471	6.466	0.005	99	1140338	160.6	
97 2,4-Dichlorophenol	162	6.573	6.568	0.005	95	1030805	162.5	
95 Benzoic acid	105	6.728	6.616	0.112	37	2800328	509.6	
98 1,2,4-Trichlorobenzene	180	6.653	6.648	0.005	91	1115284	157.2	
99 Naphthalene	128	6.728	6.723	0.005	97	3062571	157.7	
101 4-Chloroaniline	127	6.829	6.824	0.005	83	1317391	160.2	
104 Hexachlorobutadiene	225	6.920	6.915	0.005	93	748669	155.9	
110 4-Chloro-3-methylphenol	107	7.460	7.455	0.006	95	1047340	162.4	
113 2-Methylnaphthalene	142	7.561	7.556	0.005	88	2190719	160.1	
116 Hexachlorocyclopentadiene	237	7.770	7.770	0.0	87	929897	175.7	
118 2,4,6-Trichlorophenol	196	7.919	7.919	0.0	93	830343	160.2	
119 2,4,5-Trichlorophenol	196	7.967	7.962	0.005	94	916815	167.3	
124 2-Chloronaphthalene	162	8.128	8.122	0.006	98	2275442	161.5	
125 2-Nitroaniline	65	8.272	8.261	0.011	81	674707	165.8	
128 Dimethyl phthalate	163	8.523	8.512	0.011	98	2710290	158.1	
130 2,6-Dinitrotoluene	165	8.571	8.560	0.011	89	621046	169.9	
131 Acenaphthylene	152	8.603	8.592	0.011	68	3310764	158.4	
132 3-Nitroaniline	138	8.758	8.747	0.011	91	645379	166.1	
133 Acenaphthene	153	8.811	8.801	0.010	94	2096880	163.4	
134 2,4-Dinitrophenol	184	8.876	8.865	0.011	84	335873	166.5	
138 Dibenzofuran	168	9.014	9.009	0.005	86	3290091	158.4	
135 4-Nitrophenol	109	9.020	9.009	0.011	58	561342	175.3	
137 2,4-Dinitrotoluene	165	9.030	9.020	0.010	83	875891	166.0	
142 Diethyl phthalate	149	9.351	9.340	0.011	97	2651140	158.5	
144 Fluorene	166	9.410	9.404	0.006	83	2634547	159.8	
145 4-Chlorophenyl phenyl ether	204	9.436	9.431	0.005	81	1407486	160.4	
147 4-Nitroaniline	138	9.479	9.452	0.027	37	647161	170.1	
148 4,6-Dinitro-2-methylphenol	198	9.511	9.495	0.016	67	638028	162.7	
149 N-Nitrosodiphenylamine	169	9.586	9.570	0.016	60	1886198	162.8	
152 1,2-Diphenylhydrazine	77	9.618	9.607	0.011	97	2408309	158.8	
159 4-Bromophenyl phenyl ether	248	9.987	9.981	0.006	62	851562	162.2	
160 Hexachlorobenzene	284	10.051	10.040	0.011	89	955442	165.0	
165 Pentachlorophenol	266	10.270	10.265	0.005	85	623549	163.9	
171 Phenanthrene	178	10.467	10.457	0.010	97	3685459	157.3	
172 Anthracene	178	10.521	10.510	0.011	97	3756218	159.2	
173 Carbazole	167	10.703	10.692	0.011	83	3403075	157.2	
176 Di-n-butyl phthalate	149	11.098	11.093	0.005	100	4198355	157.6	
182 Fluoranthene	202	11.616	11.605	0.011	97	4124332	154.9	
183 Benzidine	184	11.755	11.750	0.005	98	1985165	158.6	
185 Pyrene	202	11.814	11.803	0.011	97	4179518	153.8	
192 Butyl benzyl phthalate	149	12.423	12.417	0.006	98	1938846	163.2	
196 3,3'-Dichlorobenzidine	252	12.850	12.839	0.011	63	1765466	171.7	
197 Benzo[a]anthracene	228	12.855	12.845	0.010	97	3994236	157.2	
199 Chrysene	228	12.888	12.877	0.011	92	3753103	154.3	
198 Bis(2-ethylhexyl) phthalate	149	12.925	12.920	0.005	92	2556834	160.5	
201 Di-n-octyl phthalate	149	13.432	13.427	0.005	99	4138450	160.9	
203 Benzo[b]fluoranthene	252	13.710	13.700	0.010	93	4310912	164.8	
204 Benzo[k]fluoranthene	252	13.732	13.721	0.011	97	3974943	158.9	
206 Benzo[a]pyrene	252	13.951	13.935	0.016	71	3436461	163.1	
208 Indeno[1,2,3-cd]pyrene	276	14.757	14.741	0.016	96	4700791	167.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
209 Dibenz(a,h)anthracene	278	14.768	14.747	0.021	72	3951307	164.9	
210 Benzo[g,h,i]perylene	276	14.966	14.944	0.022	96	3856929	167.5	
S 212 3 & 4 Methylphenol	108				0		169.3	
S 213 Total Cresols	1				0		344.0	
S 214 3-Methylphenol	1				0		169.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 13-Sep-2011 10:43:37

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7701.D

Injection Date: 09-Sep-2011 12:43:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 30575

Lims Sample ID: 39

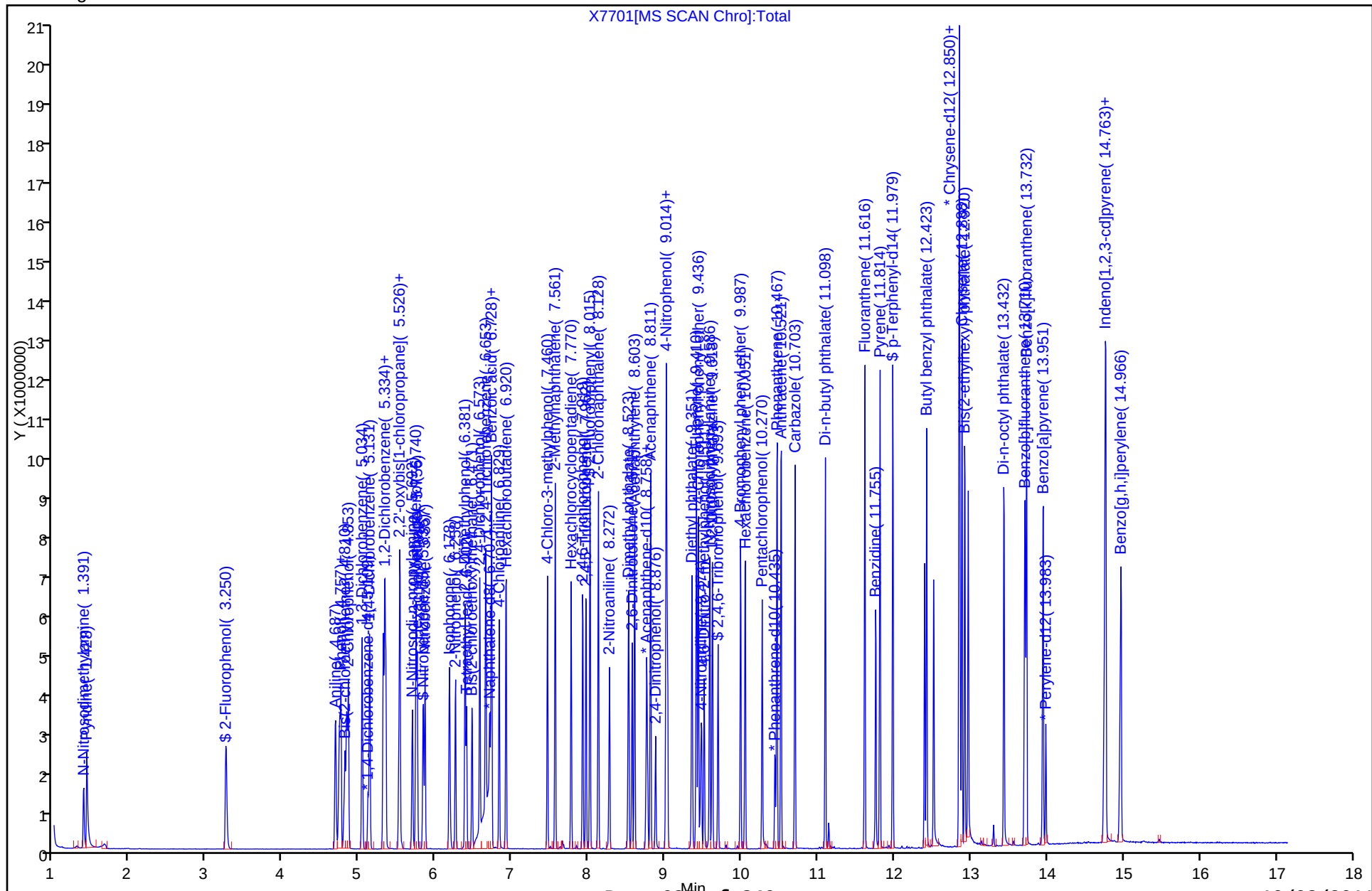
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

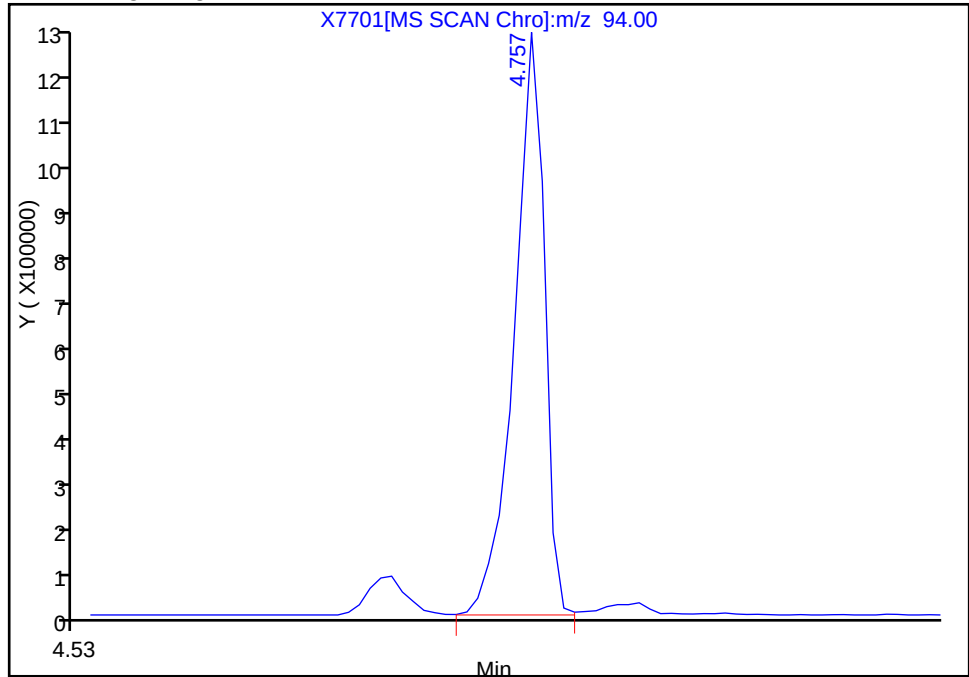


Data File:	\\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7701.D		
Injection Date:	09-Sep-2011 12:43:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	30575	Lims Sample ID:	39
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

63 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 4.74

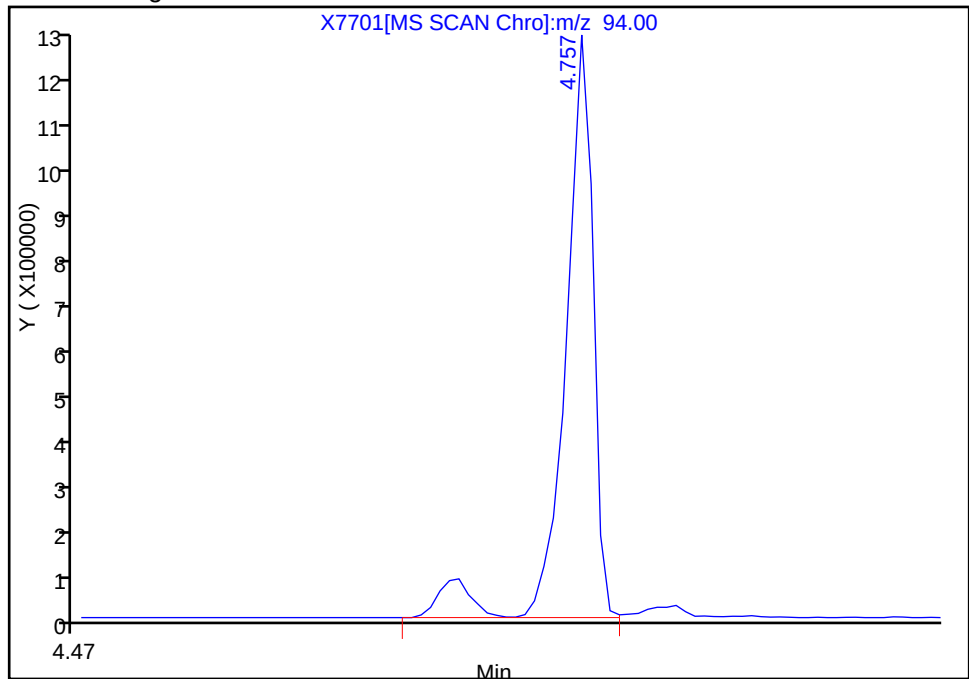
RT: 4.76
Response: 1256605
Amount: 163.6484

Processing Integration Results



RT: 4.76
Response: 1362505
Amount: 165.7698

Manual Integration Results



Reviewer: pagem, 12-Sep-2011 07:06:17

Audit Action: Manually Integrated

Audit Reason: Split Peak

Second Level Reviewer: pfenderk, Date: 13-Sep-2011 10:43:37

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7702.D
 Lims ID: IC - 8270 120 pt Client ID:
 Inject. Date: 09-Sep-2011 13:06:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: IC
 Misc. Info.: IC - 8270 120 PT
 Operator: MKP Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 30575 Lims Sample ID: 40
 Sublist: chrom-X-8270*sub15
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X-8270.m
 Last Update: 13-Sep-2011 10:44:45 Calib Date: 09-Sep-2011 14:37:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7706.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

Date: 13-Sep-2011 10:44:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.115	5.109	0.005	96	193183	40.0	
* 2 Naphthalene-d8	136	6.701	6.701	0.0	93	721214	40.0	
* 3 Acenaphthene-d10	164	8.769	8.769	0.0	88	484315	40.0	
* 4 Phenanthrene-d10	188	10.435	10.430	0.005	97	817135	40.0	
* 5 Chrysene-d12	240	12.855	12.856	-0.001	77	851639	40.0	
* 6 Perylene-d12	264	13.977	13.977	0.0	98	834852	40.0	
\$ 7 2-Fluorophenol	112	3.255	3.250	0.005	90	713697	119.7	
\$ 8 Phenol-d5	99	4.735	4.725	0.010	0	875358	122.5	
\$ 9 Nitrobenzene-d5	82	5.830	5.825	0.005	91	823074	121.6	
\$ 10 2-Fluorobiphenyl	172	8.015	8.010	0.005	100	1828861	120.3	
\$ 11 2,4,6-Tribromophenol	330	9.693	9.688	0.005	60	348197	121.9	
\$ 12 p-Terphenyl-d14	244	11.979	11.974	0.005	99	2272513	120.0	
55 N-Nitrosodimethylamine	42	1.391	1.391	0.0	72	480009	114.1	
56 Pyridine	52	1.434	1.434	0.0	87	491956	110.9	
64 Aniline	93	4.687	4.682	0.005	97	1086645	119.6	
63 Phenol	94	4.751	4.741	0.010	94	973251	122.2	M
66 Bis(2-chloroethyl)ether	93	4.805	4.799	0.006	95	688541	118.2	
67 2-Chlorophenol	128	4.853	4.847	0.006	89	788370	119.9	
69 1,3-Dichlorobenzene	146	5.034	5.034	0.0	94	907259	119.3	
70 1,4-Dichlorobenzene	146	5.136	5.131	0.005	91	919862	118.6	
72 1,2-Dichlorobenzene	146	5.328	5.328	0.0	92	890403	120.0	
71 Benzyl alcohol	108	5.344	5.334	0.010	74	505146	122.9	
74 2,2'-oxybis[1-chloropropane]	45	5.521	5.521	0.0	74	827990	120.1	
73 2-Methylphenol	108	5.526	5.526	0.0	92	672481	121.1	
78 N-Nitrosodi-n-propylamine	70	5.686	5.681	0.005	88	536357	123.3	
79 4-Methylphenol	108	5.734	5.729	0.005	92	698781	123.1	
81 Hexachloroethane	117	5.756	5.756	0.0	83	354215	121.3	
83 Nitrobenzene	77	5.857	5.852	0.005	90	837574	124.6	
86 Isophorone	82	6.172	6.167	0.005	96	1418629	121.4	
87 2-Nitrophenol	139	6.258	6.252	0.006	97	439284	123.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	6.381	6.375	0.006	98	836406	122.7	
90 Tetraethyl lead	237	6.402	6.402	0.0	92	432123	118.8	
94 Bis(2-chloroethoxy)methane	93	6.471	6.466	0.005	100	800036	122.8	
97 2,4-Dichlorophenol	162	6.573	6.568	0.005	93	713289	122.5	
95 Benzoic acid	105	6.690	6.616	0.074	88	1935411	383.8	
98 1,2,4-Trichlorobenzene	180	6.653	6.648	0.005	93	785236	120.6	
99 Naphthalene	128	6.728	6.723	0.005	96	2158313	121.1	
101 4-Chloroaniline	127	6.829	6.824	0.005	86	927466	122.9	
104 Hexachlorobutadiene	225	6.920	6.915	0.005	90	535481	121.5	
110 4-Chloro-3-methylphenol	107	7.460	7.455	0.006	92	734498	124.1	
113 2-Methylnaphthalene	142	7.561	7.556	0.005	88	1524768	121.5	
116 Hexachlorocyclopentadiene	237	7.770	7.770	0.0	92	641251	130.9	
118 2,4,6-Trichlorophenol	196	7.919	7.919	0.0	92	589434	122.9	
119 2,4,5-Trichlorophenol	196	7.962	7.962	0.0	92	618355	122.0	
124 2-Chloronaphthalene	162	8.122	8.122	0.0	98	1566045	120.2	
125 2-Nitroaniline	65	8.266	8.261	0.005	79	468993	124.5	
128 Dimethyl phthalate	163	8.518	8.512	0.006	98	1902320	119.9	
130 2,6-Dinitrotoluene	165	8.566	8.560	0.006	94	438512	129.6	
131 Acenaphthylene	152	8.598	8.592	0.006	70	2343441	121.1	
132 3-Nitroaniline	138	8.753	8.747	0.006	92	461299	128.3	
133 Acenaphthene	153	8.806	8.801	0.005	93	1457341	122.7	
134 2,4-Dinitrophenol	184	8.870	8.865	0.005	82	220394	121.4	
138 Dibenzofuran	168	9.009	9.009	0.0	81	2322479	120.8	
135 4-Nitrophenol	109	9.014	9.009	0.005	54	380857	128.5	
137 2,4-Dinitrotoluene	165	9.025	9.020	0.005	90	616511	126.3	
142 Diethyl phthalate	149	9.346	9.340	0.006	96	1859117	120.1	
144 Fluorene	166	9.404	9.404	0.0	83	1837744	120.5	
145 4-Chlorophenyl phenyl ether	204	9.431	9.431	0.0	79	986727	121.6	
147 4-Nitroaniline	138	9.468	9.452	0.016	73	448980	127.5	
148 4,6-Dinitro-2-methylphenol	198	9.506	9.495	0.011	81	433922	119.3	
149 N-Nitrosodiphenylamine	169	9.581	9.570	0.011	59	1313126	120.7	
152 1,2-Diphenylhydrazine	77	9.613	9.607	0.006	97	1690344	120.4	
159 4-Bromophenyl phenyl ether	248	9.987	9.981	0.006	58	588757	119.5	
160 Hexachlorobenzene	284	10.045	10.040	0.005	87	666486	122.6	
165 Pentachlorophenol	266	10.270	10.265	0.005	88	428713	121.6	
171 Phenanthrene	178	10.462	10.457	0.005	97	2592084	117.8	
172 Anthracene	178	10.516	10.510	0.006	97	2666202	120.4	
173 Carbazole	167	10.697	10.692	0.005	83	2460050	121.1	
176 Di-n-butyl phthalate	149	11.092	11.093	-0.001	100	3029817	121.1	
182 Fluoranthene	202	11.611	11.605	0.006	97	3010266	120.4	
183 Benzidine	184	11.755	11.750	0.005	99	1450422	121.8	
185 Pyrene	202	11.808	11.803	0.005	97	3012537	116.5	
192 Butyl benzyl phthalate	149	12.417	12.417	0.0	95	1380542	122.1	
196 3,3'-Dichlorobenzidine	252	12.845	12.839	0.006	63	1250150	127.8	
197 Benzo[a]anthracene	228	12.850	12.845	0.005	98	2931468	121.3	
199 Chrysene	228	12.882	12.877	0.005	93	2701364	116.8	
198 Bis(2-ethylhexyl) phthalate	149	12.920	12.920	0.0	94	1845891	121.8	
201 Di-n-octyl phthalate	149	13.432	13.427	0.005	99	3037258	124.1	
203 Benzo[b]fluoranthene	252	13.705	13.700	0.005	92	3077478	121.4	
204 Benzo[k]fluoranthene	252	13.726	13.721	0.005	98	2897784	119.5	
206 Benzo[a]pyrene	252	13.945	13.935	0.010	72	2503654	122.6	
208 Indeno[1,2,3-cd]pyrene	276	14.752	14.741	0.011	95	3365580	123.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
209 Dibenz(a,h)anthracene	278	14.757	14.747	0.010	69	2867090	123.5	
210 Benzo[g,h,i]perylene	276	14.955	14.944	0.011	95	2725218	122.1	
S 212 3 & 4 Methylphenol	108				0		123.1	
S 213 Total Cresols	1				0		244.3	
S 214 3-Methylphenol	1				0		123.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7702.D

Injection Date: 09-Sep-2011 13:06:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 30575

Lims Sample ID: 40

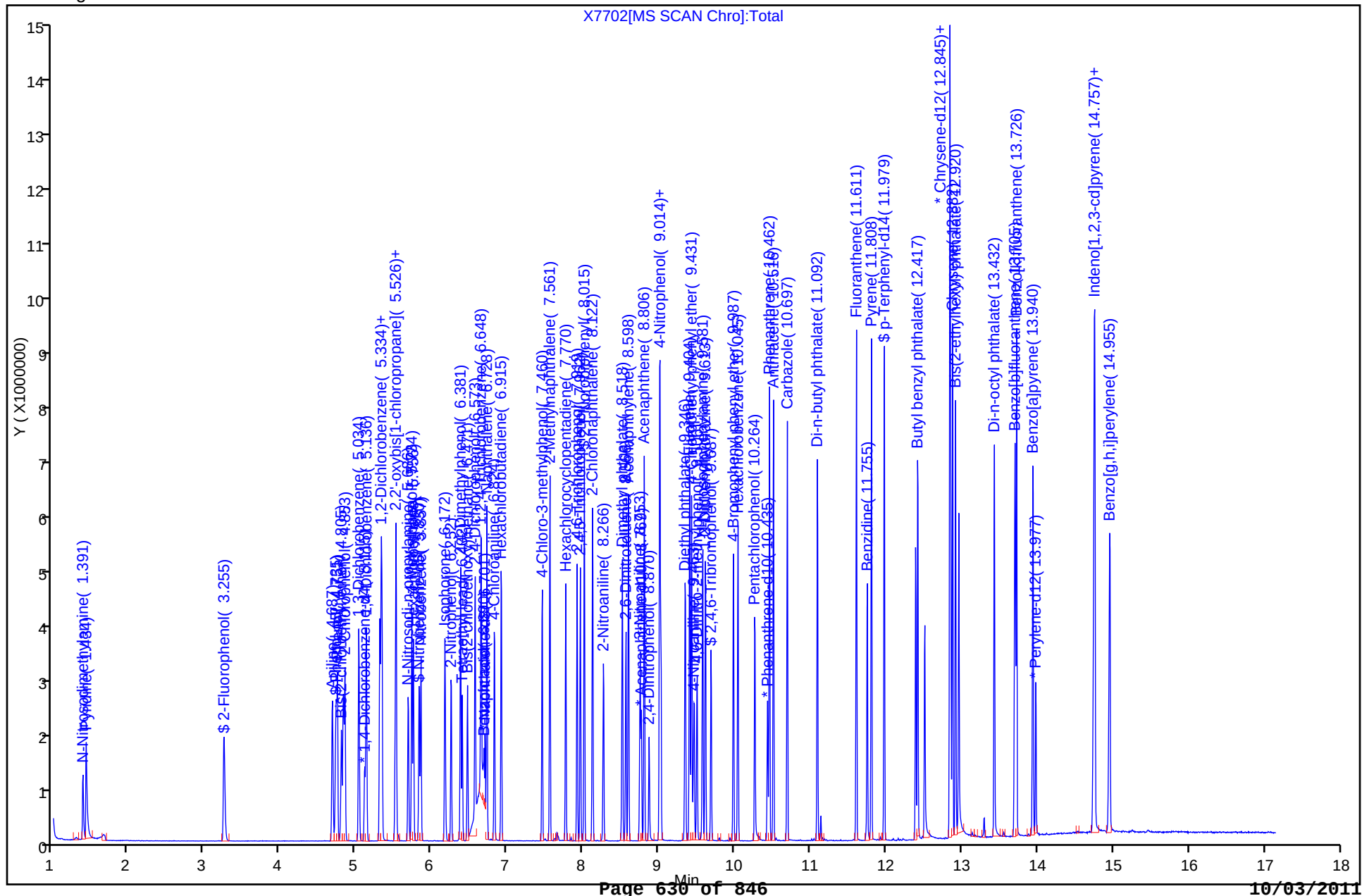
Operator ID: MKP

Injection Vol: 1.00 µl

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

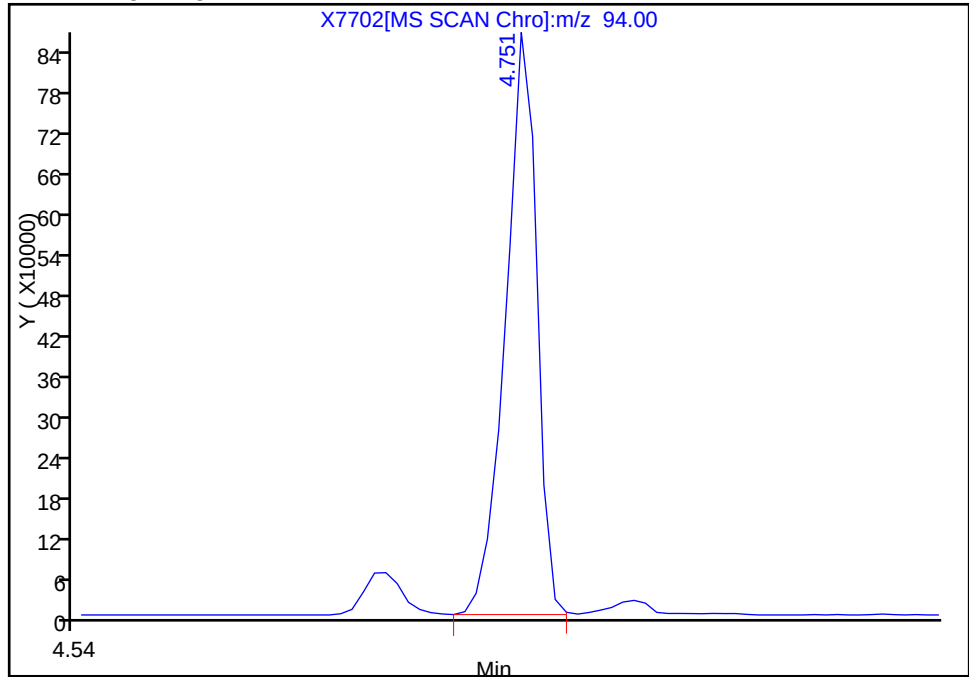


Data File:	\\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7702.D		
Injection Date:	09-Sep-2011 13:06:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	30575	Lims Sample ID:	40
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

63 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 4.74

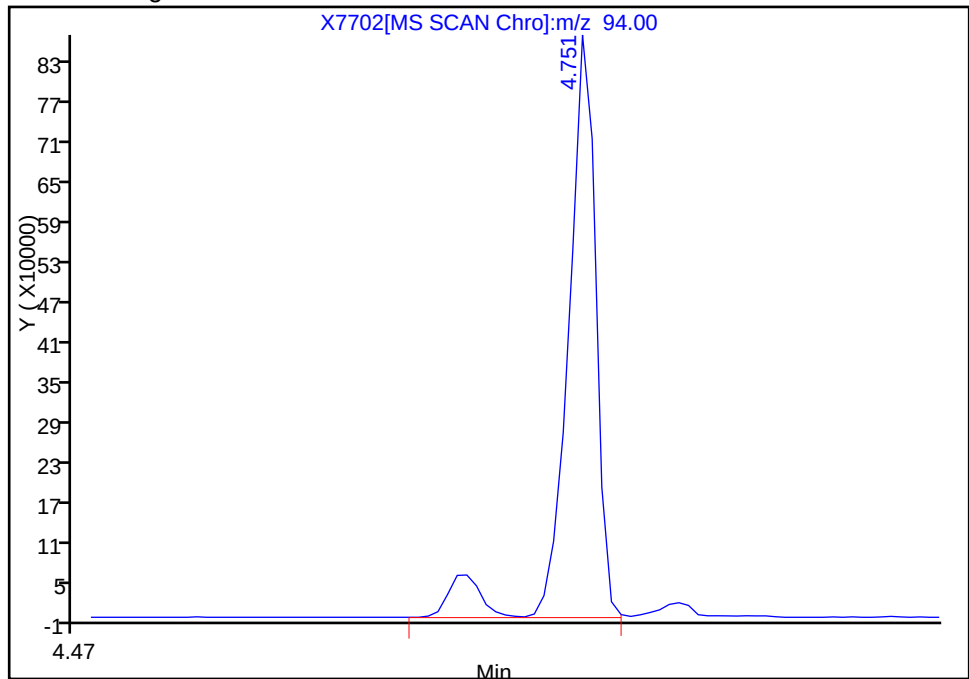
RT: 4.75
Response: 887960
Amount: 117.6104

Processing Integration Results



RT: 4.75
Response: 973251
Amount: 122.1592

Manual Integration Results



Reviewer: pagem, 12-Sep-2011 07:08:45

Audit Action: Manually Integrated

Audit Reason: Split Peak

Second Level Reviewer: pfenderk, Date: 13-Sep-2011 10:44:45

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7703.D
 Lims ID: IC - 8270 80 pt Client ID:
 Inject. Date: 09-Sep-2011 13:29:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: IC
 Misc. Info.: IC - 8270 80 PT
 Operator: MKP Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 30575 Lims Sample ID: 41
 Sublist: chrom-X-8270*sub15
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X-8270.m
 Last Update: 13-Sep-2011 10:45:44 Calib Date: 09-Sep-2011 14:37:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7706.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

Date: 13-Sep-2011 10:45:44

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.109	5.109	0.0	97	194604	40.0	
* 2 Naphthalene-d8	136	6.701	6.701	0.0	99	725398	40.0	
* 3 Acenaphthene-d10	164	8.769	8.769	0.0	89	486501	40.0	
* 4 Phenanthrene-d10	188	10.436	10.430	0.006	97	823938	40.0	
* 5 Chrysene-d12	240	12.856	12.856	0.0	97	844000	40.0	
* 6 Perylene-d12	264	13.977	13.977	0.0	95	835836	40.0	
\$ 7 2-Fluorophenol	112	3.250	3.250	0.0	91	494850	82.4	
\$ 8 Phenol-d5	99	4.725	4.725	0.0	0	588156	81.7	
\$ 9 Nitrobenzene-d5	82	5.831	5.825	0.006	91	567892	83.4	
\$ 10 2-Fluorobiphenyl	172	8.016	8.010	0.006	99	1246809	81.6	
\$ 11 2,4,6-Tribromophenol	330	9.688	9.688	0.0	55	243402	84.5	
\$ 12 p-Terphenyl-d14	244	11.974	11.974	0.0	99	1515842	80.8	
55 N-Nitrosodimethylamine	42	1.386	1.391	-0.005	75	344600	81.3	
56 Pyridine	52	1.434	1.434	0.0	88	358914	80.3	
64 Aniline	93	4.682	4.682	0.0	96	746057	81.5	
63 Phenol	94	4.746	4.741	0.005	96	659790	82.2	M
66 Bis(2-chloroethyl)ether	93	4.800	4.799	0.001	97	477013	81.3	
67 2-Chlorophenol	128	4.848	4.847	0.001	88	535493	80.8	
69 1,3-Dichlorobenzene	146	5.035	5.034	0.001	94	624109	81.4	
70 1,4-Dichlorobenzene	146	5.131	5.131	0.0	90	639045	81.8	
72 1,2-Dichlorobenzene	146	5.328	5.328	0.0	91	606883	81.2	
71 Benzyl alcohol	108	5.339	5.334	0.005	74	353821	85.5	
74 2,2'-oxybis[1-chloropropane]	45	5.515	5.521	-0.006	79	561764	80.9	
73 2-Methylphenol	108	5.526	5.526	0.0	93	453007	81.0	
78 N-Nitrosodi-n-propylamine	70	5.686	5.681	0.005	86	350712	80.0	
79 4-Methylphenol	108	5.729	5.729	0.0	90	472573	82.7	
81 Hexachloroethane	117	5.756	5.756	0.0	83	241683	82.2	
83 Nitrobenzene	77	5.852	5.852	0.0	86	563109	83.3	
86 Isophorone	82	6.167	6.167	0.0	95	964254	82.1	
87 2-Nitrophenol	139	6.253	6.252	0.001	97	305081	85.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	6.375	6.375	0.0	98	575294	83.9	
90 Tetraethyl lead	237	6.402	6.402	0.0	93	302831	82.7	
94 Bis(2-chloroethoxy)methane	93	6.466	6.466	0.0	99	548625	83.7	
97 2,4-Dichlorophenol	162	6.568	6.568	0.0	95	483804	82.6	
95 Benzoic acid	105	6.653	6.616	0.037	63	1290518	254.5	
98 1,2,4-Trichlorobenzene	180	6.648	6.648	0.0	92	540652	82.6	
99 Naphthalene	128	6.723	6.723	0.0	97	1468185	81.9	
101 4-Chloroaniline	127	6.824	6.824	0.0	84	617667	81.4	
104 Hexachlorobutadiene	225	6.915	6.915	0.0	94	370802	83.7	
110 4-Chloro-3-methylphenol	107	7.455	7.455	0.001	92	491737	82.6	
113 2-Methylnaphthalene	142	7.556	7.556	0.0	86	1039889	82.4	
116 Hexachlorocyclopentadiene	237	7.770	7.770	0.0	86	425212	86.4	
118 2,4,6-Trichlorophenol	196	7.919	7.919	0.0	90	388139	80.6	
119 2,4,5-Trichlorophenol	196	7.962	7.962	0.0	94	416889	81.9	
124 2-Chloronaphthalene	162	8.122	8.122	0.0	97	1070839	81.8	
125 2-Nitroaniline	65	8.267	8.261	0.006	85	311108	82.2	
128 Dimethyl phthalate	163	8.512	8.512	0.0	98	1293061	81.1	
130 2,6-Dinitrotoluene	165	8.560	8.560	0.0	92	289316	85.1	
131 Acenaphthylene	152	8.598	8.592	0.006	75	1601057	82.4	
132 3-Nitroaniline	138	8.747	8.747	0.0	91	300692	83.3	
133 Acenaphthene	153	8.806	8.801	0.005	93	976685	81.9	
134 2,4-Dinitrophenol	184	8.870	8.865	0.005	84	131769	76.9	
138 Dibenzofuran	168	9.009	9.009	0.0	81	1559529	80.8	
135 4-Nitrophenol	109	9.009	9.009	0.0	51	253133	85.0	
137 2,4-Dinitrotoluene	165	9.025	9.020	0.005	90	413988	84.4	
142 Diethyl phthalate	149	9.346	9.340	0.006	98	1266448	81.5	
144 Fluorene	166	9.405	9.404	0.001	84	1253944	81.8	
145 4-Chlorophenyl phenyl ether	204	9.431	9.431	0.0	77	683850	83.9	
147 4-Nitroaniline	138	9.458	9.452	0.006	76	312551	88.4	
148 4,6-Dinitro-2-methylphenol	198	9.501	9.495	0.006	88	278155	77.7	
149 N-Nitrosodiphenylamine	169	9.575	9.570	0.005	60	885140	80.7	
152 1,2-Diphenylhydrazine	77	9.613	9.607	0.006	96	1164939	82.6	
159 4-Bromophenyl phenyl ether	248	9.981	9.981	0.0	62	401915	80.9	
160 Hexachlorobenzene	284	10.040	10.040	0.0	87	450535	82.2	
165 Pentachlorophenol	266	10.265	10.265	0.0	86	268001	77.7	
171 Phenanthrene	178	10.457	10.457	0.0	96	1777227	80.1	
172 Anthracene	178	10.510	10.510	0.0	97	1815475	81.3	
173 Carbazole	167	10.692	10.692	0.0	83	1677031	81.8	
176 Di-n-butyl phthalate	149	11.093	11.093	0.0	100	2064316	81.8	
182 Fluoranthene	202	11.611	11.605	0.006	96	2066156	81.9	
183 Benzidine	184	11.750	11.750	0.0	99	1016239	86.1	
185 Pyrene	202	11.809	11.803	0.006	98	2085674	81.4	
192 Butyl benzyl phthalate	149	12.418	12.417	0.001	92	944929	84.4	
196 3,3'-Dichlorobenzidine	252	12.840	12.839	0.001	69	820933	84.7	
197 Benzo[a]anthracene	228	12.845	12.845	0.0	98	1968828	82.2	
199 Chrysene	228	12.877	12.877	0.0	93	1855222	80.9	
198 Bis(2-ethylhexyl) phthalate	149	12.920	12.920	0.0	93	1257014	83.7	
201 Di-n-octyl phthalate	149	13.427	13.427	0.0	99	2044246	84.3	
203 Benzo[b]fluoranthene	252	13.700	13.700	0.0	93	1969582	77.6	
204 Benzo[k]fluoranthene	252	13.721	13.721	0.0	97	1996887	82.3	
206 Benzo[a]pyrene	252	13.940	13.935	0.005	72	1668337	81.6	
208 Indeno[1,2,3-cd]pyrene	276	14.747	14.741	0.006	95	2218477	81.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
209 Dibenz(a,h)anthracene	278	14.752	14.747	0.005	69	1895417	81.5	
210 Benzo[g,h,i]perylene	276	14.950	14.944	0.006	92	1802209	80.6	
S 212 3 & 4 Methylphenol	108				0		82.7	
S 213 Total Cresols	1				0		163.7	
S 214 3-Methylphenol	1				0		82.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7703.D

Injection Date: 09-Sep-2011 13:29:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 30575

Lims Sample ID: 41

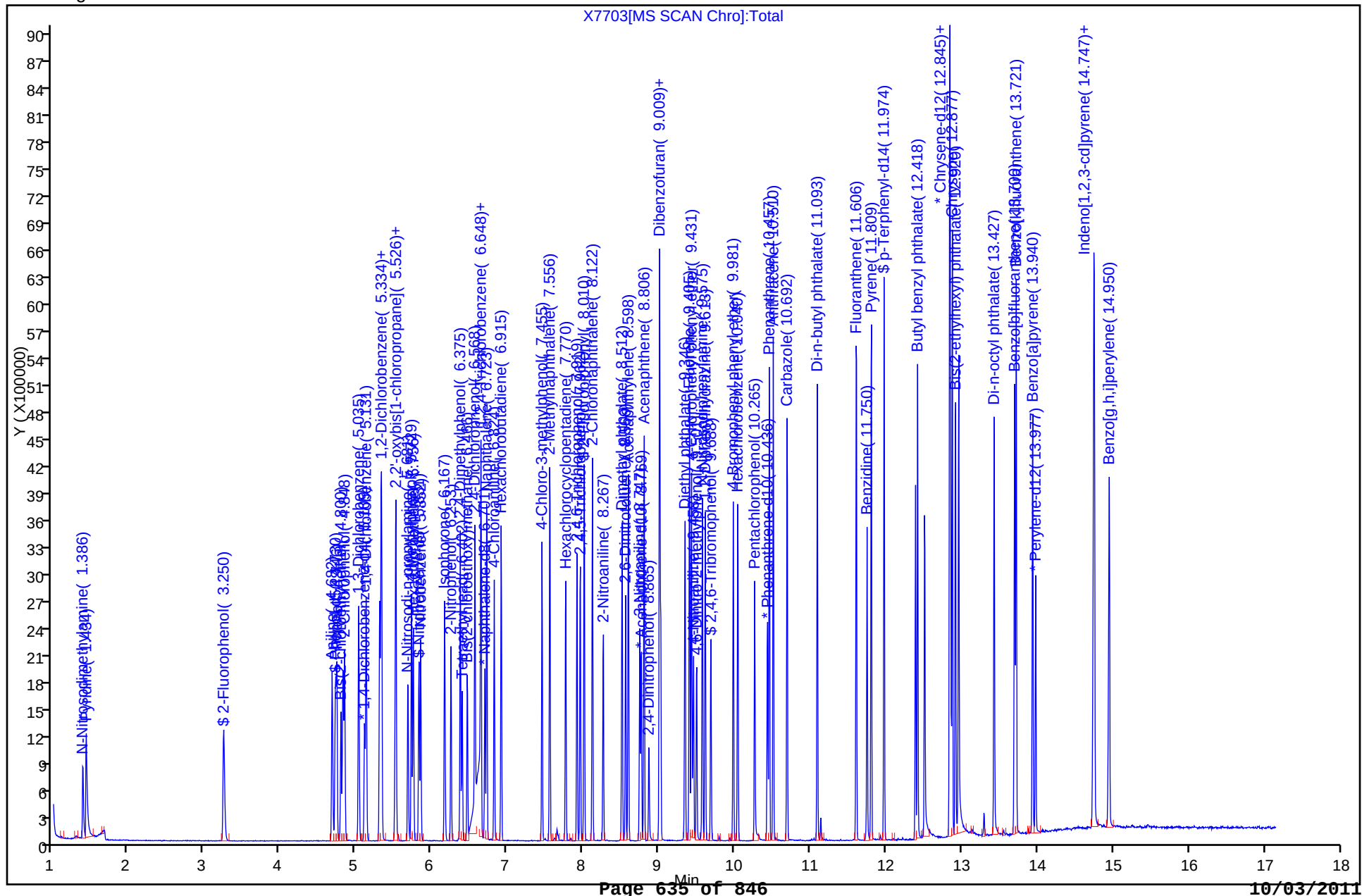
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

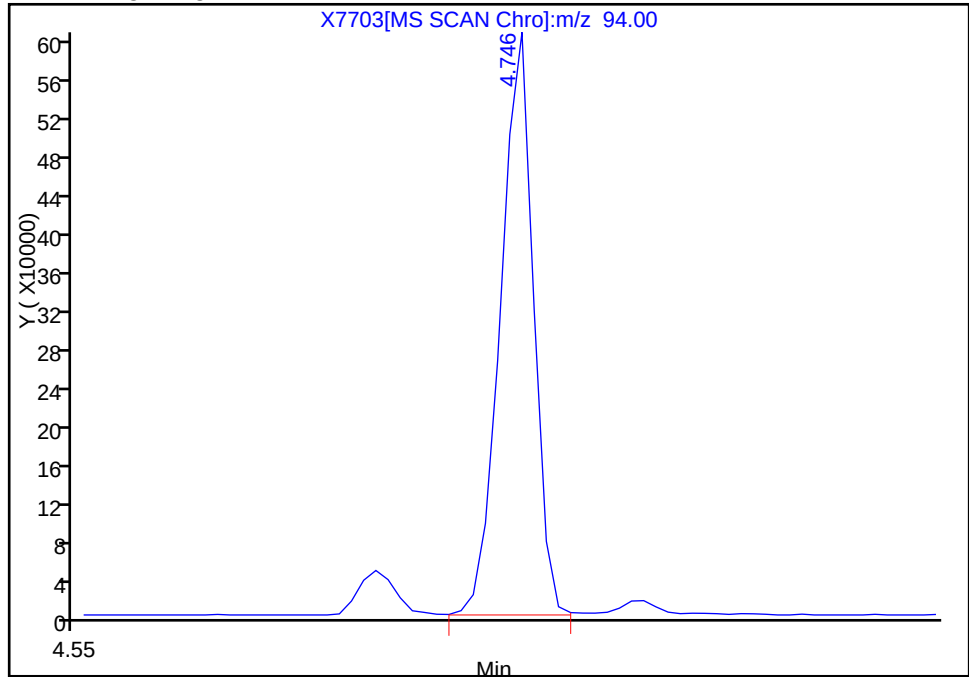


Data File:	\\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7703.D		
Injection Date:	09-Sep-2011 13:29:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	30575	Lims Sample ID:	41
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

63 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 4.74

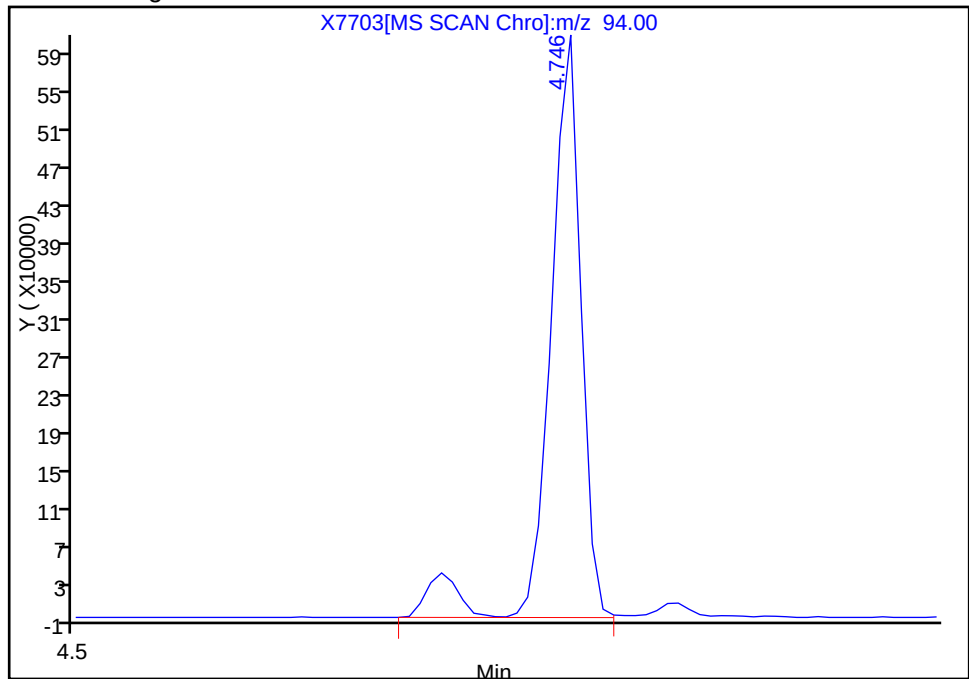
RT: 4.75
Response: 607844
Amount: 78.686540

Processing Integration Results



RT: 4.75
Response: 659790
Amount: 82.209931

Manual Integration Results



Reviewer: pagem, 12-Sep-2011 07:09:47

Audit Action: Manually Integrated

Audit Reason: Split Peak

Second Level Reviewer: pfenderk, Date: 13-Sep-2011 10:45:44

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7704.D
 Lims ID: ICIS - 8270 50 pt Client ID:
 Inject. Date: 09-Sep-2011 13:52:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 3
 Sample ID: ICIS
 Misc. Info.: ICIS - 8270 50 PT
 Operator: MKP Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 30575 Lims Sample ID: 42
 Sublist: chrom-X-8270*sub15
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X-8270.m
 Last Update: 12-Sep-2011 07:21:10 Calib Date: 09-Sep-2011 14:37:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7706.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 12-Sep-2011 07:04:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.109	5.109	0.0	98	211095	40.0	
* 2 Naphthalene-d8	136	6.701	6.701	0.0	99	761012	40.0	
* 3 Acenaphthene-d10	164	8.769	8.769	0.0	89	509184	40.0	
* 4 Phenanthrene-d10	188	10.430	10.430	0.0	97	856863	40.0	
* 5 Chrysene-d12	240	12.856	12.856	0.0	97	871795	40.0	
* 6 Perylene-d12	264	13.977	13.977	0.0	99	871518	40.0	
\$ 7 2-Fluorophenol	112	3.250	3.250	0.0	89	315703	48.5	
\$ 8 Phenol-d5	99	4.725	4.725	0.0	0	377795	48.4	
\$ 9 Nitrobenzene-d5	82	5.825	5.825	0.0	93	364313	51.0	
\$ 10 2-Fluorobiphenyl	172	8.010	8.010	0.0	99	790071	49.4	
\$ 11 2,4,6-Tribromophenol	330	9.688	9.688	0.0	55	149552	49.9	
\$ 12 p-Terphenyl-d14	244	11.974	11.974	0.0	99	954557	49.2	
55 N-Nitrosodimethylamine	42	1.391	1.391	0.0	70	221498	48.2	
56 Pyridine	52	1.434	1.434	0.0	88	231645	47.8	
64 Aniline	93	4.682	4.682	0.0	97	481597	48.5	M
63 Phenol	94	4.741	4.741	0.0	95	423957	48.7	M
66 Bis(2-chloroethyl)ether	93	4.799	4.799	0.0	96	305650	48.0	
67 2-Chlorophenol	128	4.847	4.847	0.0	89	349181	48.6	
69 1,3-Dichlorobenzene	146	5.034	5.034	0.0	94	399356	48.0	
70 1,4-Dichlorobenzene	146	5.131	5.131	0.0	89	412265	48.6	
72 1,2-Dichlorobenzene	146	5.328	5.328	0.0	82	397080	49.0	
71 Benzyl alcohol	108	5.334	5.334	0.0	73	213055	47.4	
74 2,2'-oxybis[1-chloropropane]	45	5.521	5.521	0.0	67	361310	47.9	
73 2-Methylphenol	108	5.526	5.526	0.0	92	294535	48.5	
78 N-Nitrosodi-n-propylamine	70	5.681	5.681	0.0	86	229227	48.2	
79 4-Methylphenol	108	5.729	5.729	0.0	91	306321	49.4	
81 Hexachloroethane	117	5.756	5.756	0.0	84	156556	49.1	
83 Nitrobenzene	77	5.852	5.852	0.0	90	357205	50.3	
86 Isophorone	82	6.167	6.167	0.0	95	624819	50.7	
87 2-Nitrophenol	139	6.252	6.252	0.0	96	191027	50.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	6.375	6.375	0.0	98	367793	51.1	
90 Tetraethyl lead	237	6.402	6.402	0.0	92	183211	47.7	
94 Bis(2-chloroethoxy)methane	93	6.466	6.466	0.0	98	346447	50.4	
97 2,4-Dichlorophenol	162	6.568	6.568	0.0	95	307122	50.0	
98 1,2,4-Trichlorobenzene	180	6.648	6.648	0.0	91	343627	50.0	
99 Naphthalene	128	6.723	6.723	0.0	91	946577	50.3	
95 Benzoic acid	105	6.616	6.616	0.0	89	794878	149.4	
101 4-Chloroaniline	127	6.824	6.824	0.0	84	397036	49.9	
104 Hexachlorobutadiene	225	6.915	6.915	0.0	93	238211	51.2	
110 4-Chloro-3-methylphenol	107	7.455	7.455	0.0	90	312961	50.1	
113 2-Methylnaphthalene	142	7.556	7.556	0.0	88	657890	49.7	
116 Hexachlorocyclopentadiene	237	7.770	7.770	0.0	89	265812	51.6	
118 2,4,6-Trichlorophenol	196	7.919	7.919	0.0	90	252436	50.1	
119 2,4,5-Trichlorophenol	196	7.962	7.962	0.0	93	269913	50.6	
124 2-Chloronaphthalene	162	8.122	8.122	0.0	97	694450	50.7	
125 2-Nitroaniline	65	8.261	8.261	0.0	79	198092	50.0	
128 Dimethyl phthalate	163	8.512	8.512	0.0	99	830615	49.8	
130 2,6-Dinitrotoluene	165	8.560	8.560	0.0	94	178773	50.3	
131 Acenaphthylene	152	8.592	8.592	0.0	91	1031256	50.7	
132 3-Nitroaniline	138	8.747	8.747	0.0	94	186653	49.4	
133 Acenaphthene	153	8.801	8.801	0.0	94	621704	49.8	
134 2,4-Dinitrophenol	184	8.865	8.865	0.0	81	72753	45.9	
138 Dibenzofuran	168	9.009	9.009	0.0	84	1012958	50.1	
135 4-Nitrophenol	109	9.009	9.009	0.0	52	162109	52.0	
137 2,4-Dinitrotoluene	165	9.020	9.020	0.0	88	267211	52.1	
142 Diethyl phthalate	149	9.340	9.340	0.0	97	799093	49.1	
144 Fluorene	166	9.404	9.404	0.0	84	797191	49.7	
145 4-Chlorophenyl phenyl ether	204	9.431	9.431	0.0	74	427086	50.0	
147 4-Nitroaniline	138	9.452	9.452	0.0	71	190103	51.4	
148 4,6-Dinitro-2-methylphenol	198	9.495	9.495	0.0	88	183199	51.1	
149 N-Nitrosodiphenylamine	169	9.570	9.570	0.0	59	568791	49.9	
152 1,2-Diphenylhydrazine	77	9.607	9.607	0.0	98	747972	50.7	
159 4-Bromophenyl phenyl ether	248	9.981	9.981	0.0	61	250238	48.4	
160 Hexachlorobenzene	284	10.040	10.040	0.0	88	283806	49.8	
165 Pentachlorophenol	266	10.265	10.265	0.0	82	156060	46.2	
171 Phenanthrene	178	10.457	10.457	0.0	96	1124425	48.7	
172 Anthracene	178	10.510	10.510	0.0	97	1149806	49.5	
173 Carbazole	167	10.692	10.692	0.0	83	1074111	50.4	
176 Di-n-butyl phthalate	149	11.093	11.093	0.0	100	1335001	50.9	
182 Fluoranthene	202	11.605	11.605	0.0	96	1319847	50.3	
183 Benzidine	184	11.750	11.750	0.0	98	565876	46.4	
185 Pyrene	202	11.803	11.803	0.0	98	1361513	51.4	
192 Butyl benzyl phthalate	149	12.417	12.417	0.0	91	588368	50.9	
196 3,3'-Dichlorobenzidine	252	12.839	12.839	0.0	65	510358	51.0	
197 Benzo[a]anthracene	228	12.845	12.845	0.0	97	1241163	50.2	
199 Chrysene	228	12.877	12.877	0.0	91	1180286	49.8	
198 Bis(2-ethylhexyl) phthalate	149	12.920	12.920	0.0	93	771947	49.8	
201 Di-n-octyl phthalate	149	13.427	13.427	0.0	99	1279191	51.1	
203 Benzo[b]fluoranthene	252	13.700	13.700	0.0	92	1392026	52.6	
204 Benzo[k]fluoranthene	252	13.721	13.721	0.0	97	1240841	49.0	
206 Benzo[a]pyrene	252	13.935	13.935	0.0	72	1074893	50.4	
208 Indeno[1,2,3-cd]pyrene	276	14.741	14.741	0.0	95	1426356	50.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
209 Dibenz(a,h)anthracene	278	14.747	14.747	0.0	68	1202372	49.6	
210 Benzo[g,h,i]perylene	276	14.944	14.944	0.0	95	1152761	49.5	
S 212 3 & 4 Methylphenol	108				0		49.4	
S 213 Total Cresols	1				0		97.9	
S 214 3-Methylphenol	1				0		49.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 12-Sep-2011 07:21:10

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7704.D

Injection Date: 09-Sep-2011 13:52:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 30575

Lims Sample ID: 42

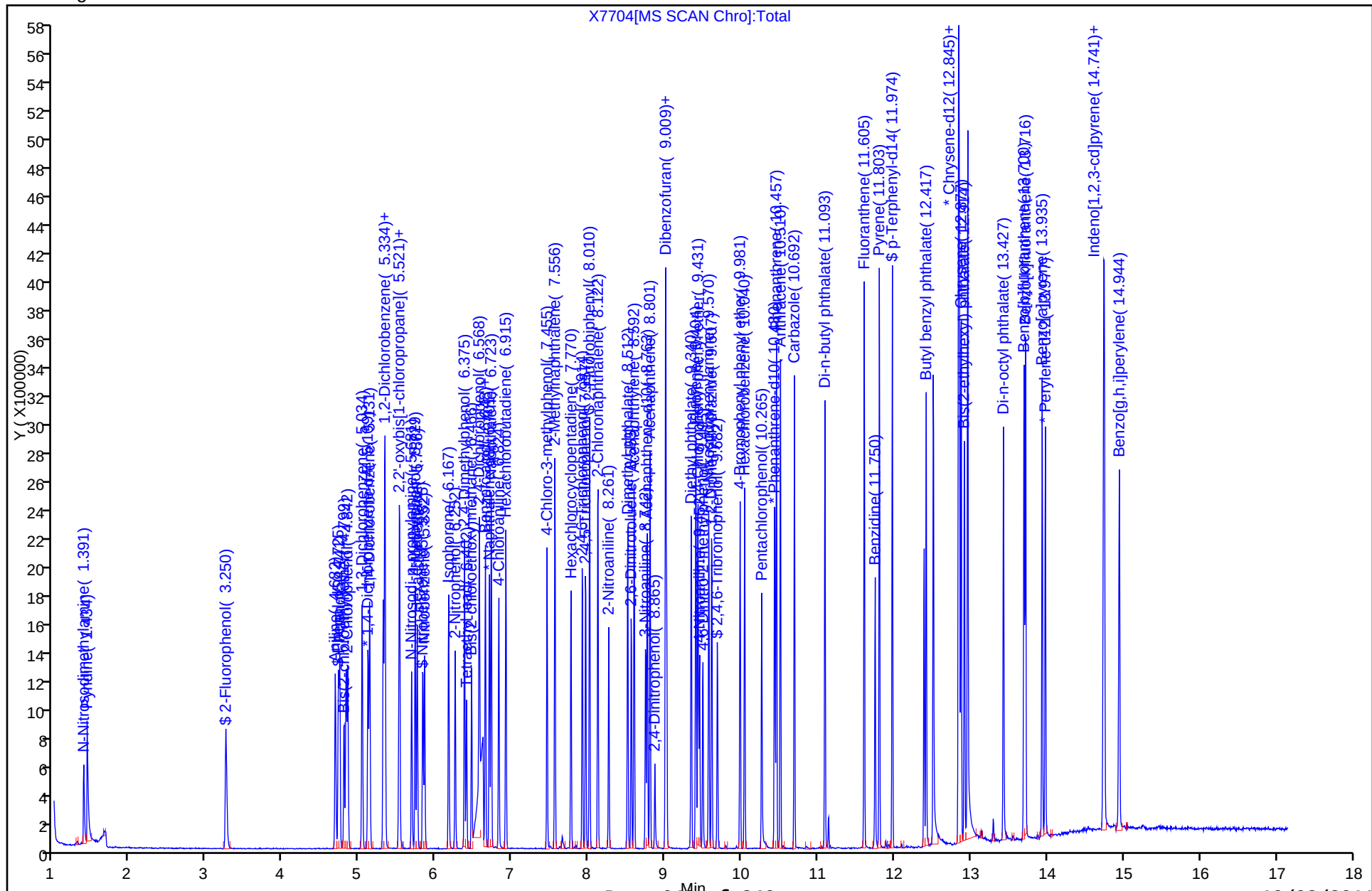
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

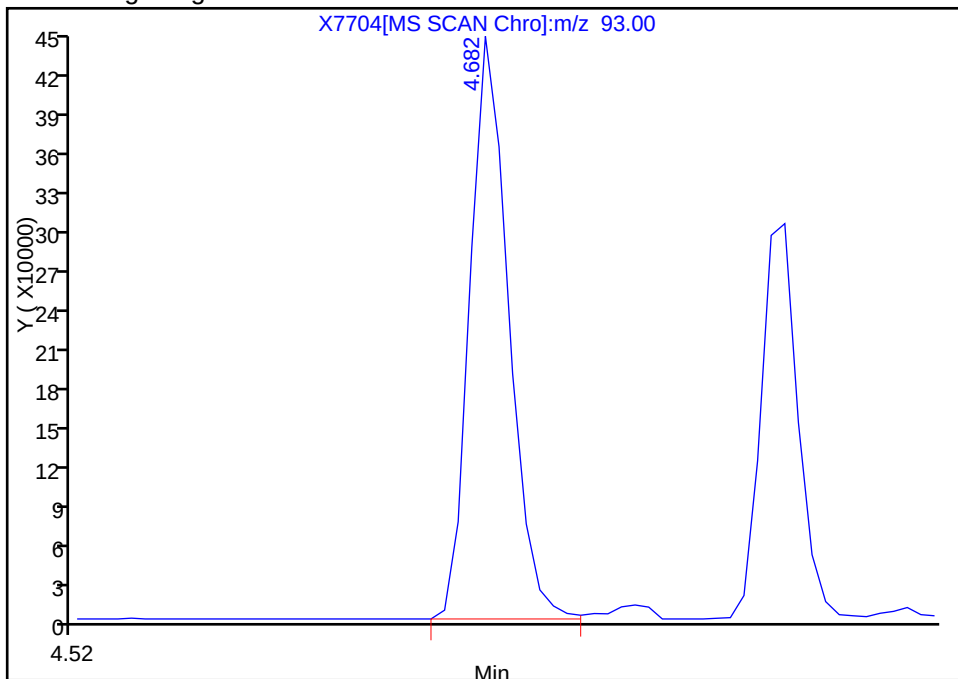


Data File:	\\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7704.D		
Injection Date:	09-Sep-2011 13:52:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	30575	Lims Sample ID:	42
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

64 Aniline, Signal: 1, m/z: 93.0 Type: quant, RT: 4.68

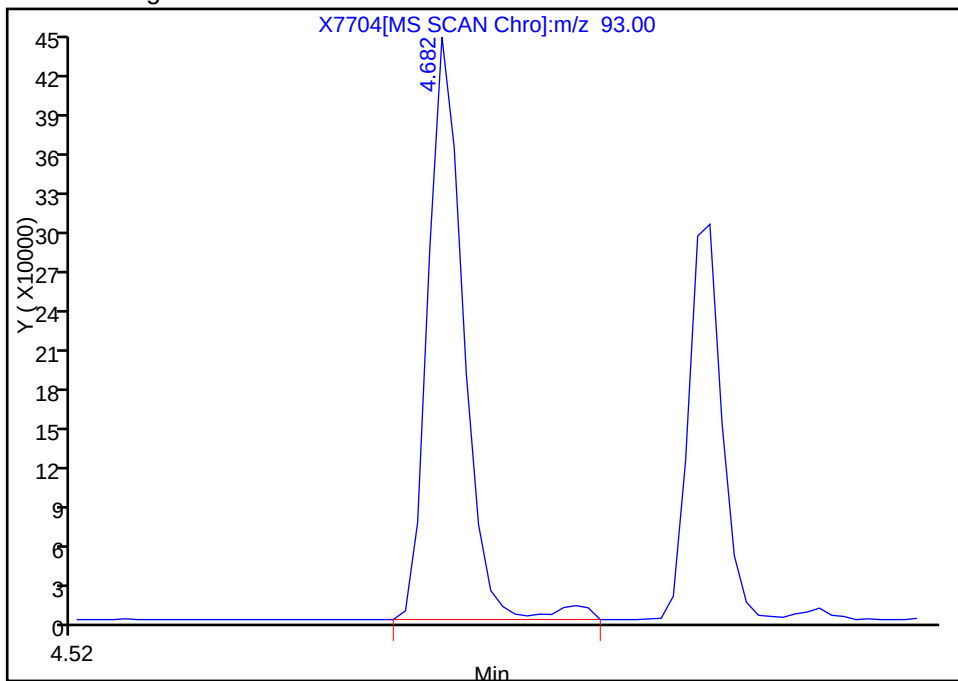
RT: 4.68
Response: 470334
Amount: 47.945956

Processing Integration Results



RT: 4.68
Response: 481597
Amount: 48.519054

Manual Integration Results



Reviewer: pagem, 12-Sep-2011 07:04:57

Audit Action: Manually Integrated

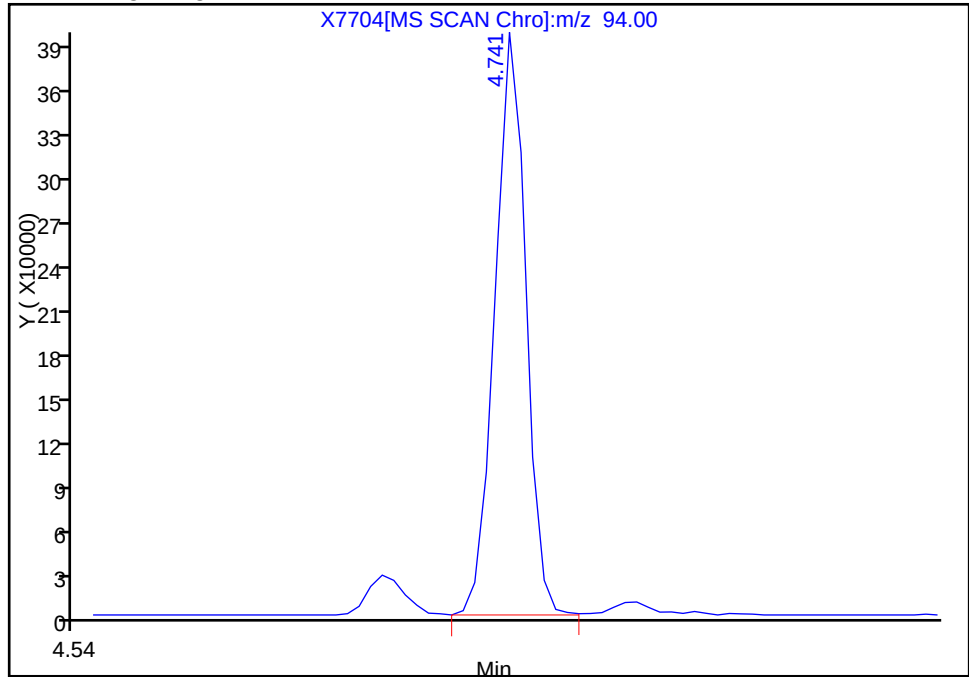
Audit Reason: Split Peak

Data File:	\\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7704.D		
Injection Date:	09-Sep-2011 13:52:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	30575	Lims Sample ID:	42
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

63 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 4.74

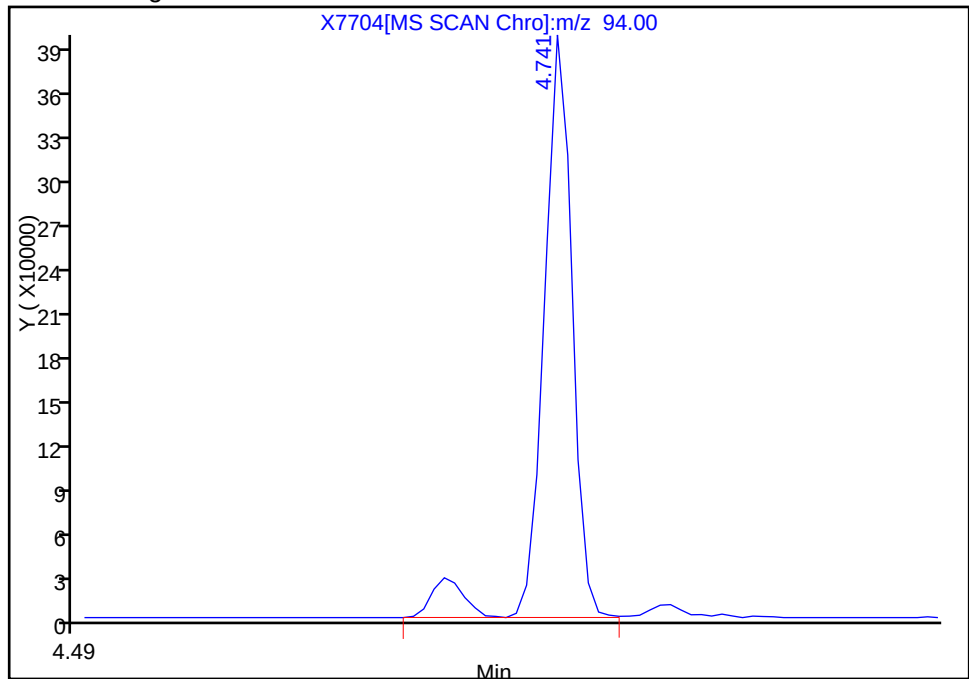
RT: 4.74
Response: 392938
Amount: 48.934886

Processing Integration Results



RT: 4.74
Response: 423957
Amount: 48.698343

Manual Integration Results



Reviewer: pagem, 12-Sep-2011 07:04:57

Audit Action: Manually Integrated

Audit Reason: Split Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7705.D
 Lims ID: IC - 8270 20 pt Client ID:
 Inject. Date: 09-Sep-2011 14:14:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: IC
 Misc. Info.: IC - 8270 20 PT
 Operator: MKP Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 30575 Lims Sample ID: 43
 Sublist: chrom-X-8270*sub15
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X-8270.m
 Last Update: 13-Sep-2011 10:46:52 Calib Date: 09-Sep-2011 14:37:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7706.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

Date: 13-Sep-2011 10:46:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.109	5.109	0.0	97	200592	40.0	
* 2 Naphthalene-d8	136	6.701	6.701	0.0	99	753527	40.0	
* 3 Acenaphthene-d10	164	8.763	8.769	-0.006	88	509576	40.0	
* 4 Phenanthrene-d10	188	10.430	10.430	0.0	97	828930	40.0	
* 5 Chrysene-d12	240	12.850	12.856	-0.006	97	838312	40.0	
* 6 Perylene-d12	264	13.977	13.977	0.0	98	863821	40.0	
\$ 7 2-Fluorophenol	112	3.250	3.250	0.0	85	122995	19.9	
\$ 8 Phenol-d5	99	4.719	4.725	-0.006	0	140840	19.0	
\$ 9 Nitrobenzene-d5	82	5.825	5.825	0.0	92	139510	19.7	
\$ 10 2-Fluorobiphenyl	172	8.010	8.010	0.0	99	303158	18.9	
\$ 11 2,4,6-Tribromophenol	330	9.682	9.688	-0.006	47	54147	18.7	
\$ 12 p-Terphenyl-d14	244	11.974	11.974	0.0	98	369212	19.8	
55 N-Nitrosodimethylamine	42	1.391	1.391	0.0	71	84689	19.4	
56 Pyridine	52	1.444	1.434	0.010	86	99816	21.7	M
64 Aniline	93	4.682	4.682	0.0	95	185371	19.7	
63 Phenol	94	4.741	4.741	0.0	90	160329	19.4	M
66 Bis(2-chloroethyl)ether	93	4.794	4.799	-0.005	93	122851	20.3	
67 2-Chlorophenol	128	4.847	4.847	0.0	85	140191	20.5	
69 1,3-Dichlorobenzene	146	5.034	5.034	0.0	92	157014	19.9	
70 1,4-Dichlorobenzene	146	5.131	5.131	-0.001	77	161550	20.1	
72 1,2-Dichlorobenzene	146	5.328	5.328	0.0	81	147613	19.2	
71 Benzyl alcohol	108	5.334	5.334	0.0	72	82690	19.4	
74 2,2'-oxybis[1-chloropropane]	45	5.520	5.521	-0.001	63	134771	18.8	
73 2-Methylphenol	108	5.520	5.526	-0.006	90	112337	19.5	
78 N-Nitrosodi-n-propylamine	70	5.681	5.681	0.0	87	90416	20.0	
79 4-Methylphenol	108	5.724	5.729	-0.005	90	113228	19.2	
81 Hexachloroethane	117	5.756	5.756	0.0	82	60034	19.8	
83 Nitrobenzene	77	5.852	5.852	0.0	86	135363	19.3	
86 Isophorone	82	6.167	6.167	0.0	95	246112	20.2	
87 2-Nitrophenol	139	6.252	6.252	0.0	94	73710	19.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	6.370	6.375	-0.005	97	140894	19.8	
90 Tetraethyl lead	237	6.402	6.402	0.0	93	77881	20.5	
94 Bis(2-chloroethoxy)methane	93	6.466	6.466	0.0	99	131788	19.4	
97 2,4-Dichlorophenol	162	6.568	6.568	0.0	93	122188	20.1	
95 Benzoic acid	105	6.594	6.616	-0.022	88	579224	109.9	
98 1,2,4-Trichlorobenzene	180	6.648	6.648	0.0	91	133603	19.6	
99 Naphthalene	128	6.722	6.723	-0.001	75	366957	19.7	
101 4-Chloroaniline	127	6.824	6.824	0.0	82	160175	20.3	
104 Hexachlorobutadiene	225	6.915	6.915	0.0	84	87770	19.1	
110 4-Chloro-3-methylphenol	107	7.454	7.455	0.0	89	121108	19.6	
113 2-Methylnaphthalene	142	7.556	7.556	0.0	89	255547	19.5	
116 Hexachlorocyclopentadiene	237	7.770	7.770	0.0	82	93183	18.1	
118 2,4,6-Trichlorophenol	196	7.914	7.919	-0.005	88	100832	20.0	
119 2,4,5-Trichlorophenol	196	7.957	7.962	-0.005	90	102922	19.3	
124 2-Chloronaphthalene	162	8.117	8.122	-0.005	98	260911	19.0	
125 2-Nitroaniline	65	8.261	8.261	0.0	80	77032	19.4	
128 Dimethyl phthalate	163	8.507	8.512	-0.005	98	328882	19.7	
130 2,6-Dinitrotoluene	165	8.555	8.560	-0.005	92	62814	17.6	
131 Acenaphthylene	152	8.592	8.592	0.0	91	394396	19.4	
132 3-Nitroaniline	138	8.742	8.747	-0.005	93	74030	19.6	
133 Acenaphthene	153	8.801	8.801	0.0	91	240815	19.3	
134 2,4-Dinitrophenol	184	8.865	8.865	0.0	57	12186	17.2	
138 Dibenzofuran	168	9.004	9.009	-0.005	88	391435	19.4	
135 4-Nitrophenol	109	9.004	9.009	-0.005	50	55669	17.9	
137 2,4-Dinitrotoluene	165	9.020	9.020	0.0	89	98430	19.2	
142 Diethyl phthalate	149	9.335	9.340	-0.005	96	317123	19.5	
144 Fluorene	166	9.399	9.404	-0.005	84	312106	19.4	
145 4-Chlorophenyl phenyl ether	204	9.426	9.431	-0.005	72	165850	19.4	
147 4-Nitroaniline	138	9.442	9.452	-0.010	72	69818	18.8	
148 4,6-Dinitro-2-methylphenol	198	9.490	9.495	-0.005	81	51733	18.6	
149 N-Nitrosodiphenylamine	169	9.570	9.570	0.0	58	215483	19.5	
152 1,2-Diphenylhydrazine	77	9.607	9.607	0.0	96	282412	19.1	
159 4-Bromophenyl phenyl ether	248	9.981	9.981	0.0	57	99080	19.8	
160 Hexachlorobenzene	284	10.040	10.040	0.0	86	110215	20.0	
165 Pentachlorophenol	266	10.264	10.265	-0.001	74	51131	19.7	M
171 Phenanthrene	178	10.457	10.457	0.0	92	447537	20.0	
172 Anthracene	178	10.505	10.510	-0.005	97	439421	19.6	
173 Carbazole	167	10.692	10.692	0.0	83	409438	19.9	
176 Di-n-butyl phthalate	149	11.092	11.093	-0.001	100	501125	19.7	
182 Fluoranthene	202	11.605	11.605	0.0	95	513660	20.2	
183 Benzidine	184	11.750	11.750	0.0	98	247065	21.1	
185 Pyrene	202	11.803	11.803	0.0	98	515825	20.3	
192 Butyl benzyl phthalate	149	12.417	12.417	0.0	92	224813	20.2	
196 3,3'-Dichlorobenzidine	252	12.839	12.839	0.0	56	179055	18.6	
197 Benzo[a]anthracene	228	12.845	12.845	0.0	97	466671	19.6	
199 Chrysene	228	12.871	12.877	-0.006	84	457552	20.1	
198 Bis(2-ethylhexyl) phthalate	149	12.914	12.920	-0.006	95	291394	19.5	
201 Di-n-octyl phthalate	149	13.427	13.427	0.0	98	466758	19.4	
203 Benzo[b]fluoranthene	252	13.694	13.700	-0.006	89	487339	18.6	
204 Benzo[k]fluoranthene	252	13.715	13.721	-0.006	96	512586	20.4	
206 Benzo[a]pyrene	252	13.935	13.935	0.0	71	412436	19.5	
208 Indeno[1,2,3-cd]pyrene	276	14.736	14.741	-0.005	93	533867	18.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
209 Dibenz(a,h)anthracene	278	14.747	14.747	0.0	74	463483	19.3	
210 Benzo[g,h,i]perylene	276	14.939	14.944	-0.005	93	443534	19.2	
S 212 3 & 4 Methylphenol	108				0		19.2	
S 213 Total Cresols	1				0		38.7	
S 214 3-Methylphenol	1				0		19.2	

QC Flag Legend

Review Flags

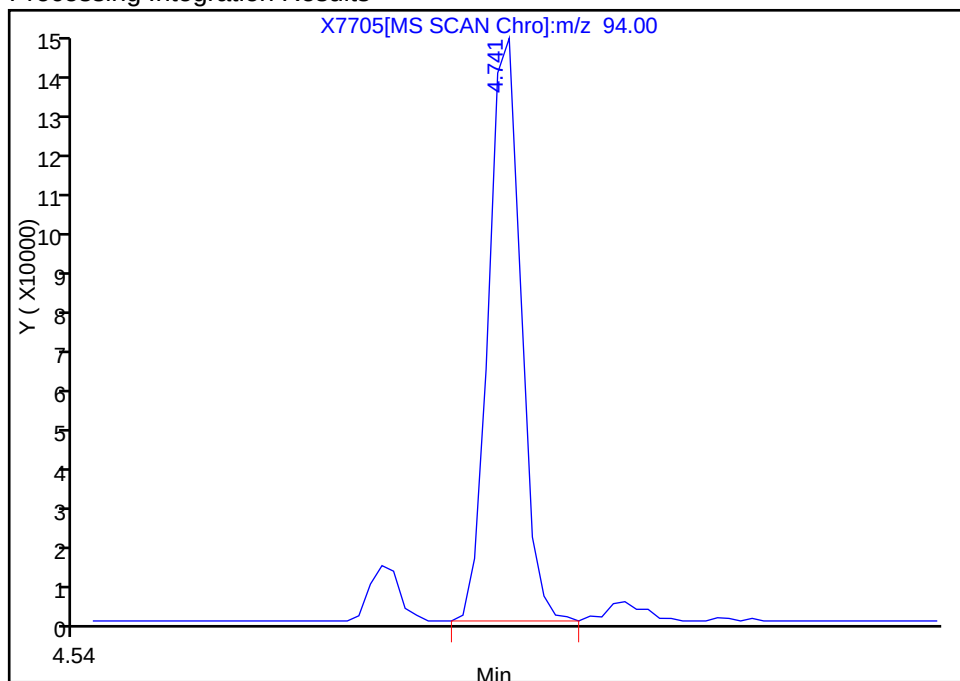
M - Manually Integrated

Data File:	\\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7705.D		
Injection Date:	09-Sep-2011 14:14:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	30575	Lims Sample ID:	43
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

63 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 4.74

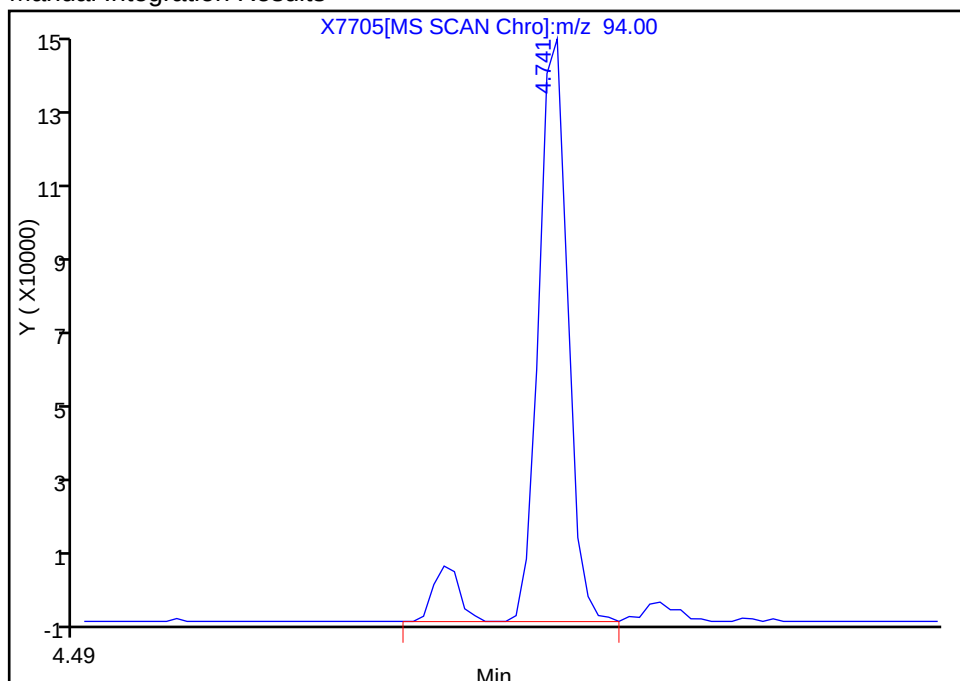
RT: 4.74
Response: 147130
Amount: 18.222406

Processing Integration Results



RT: 4.74
Response: 160329
Amount: 19.380670

Manual Integration Results



Reviewer: pagem, 12-Sep-2011 07:11:12

Audit Action: Manually Integrated

Audit Reason: Split Peak

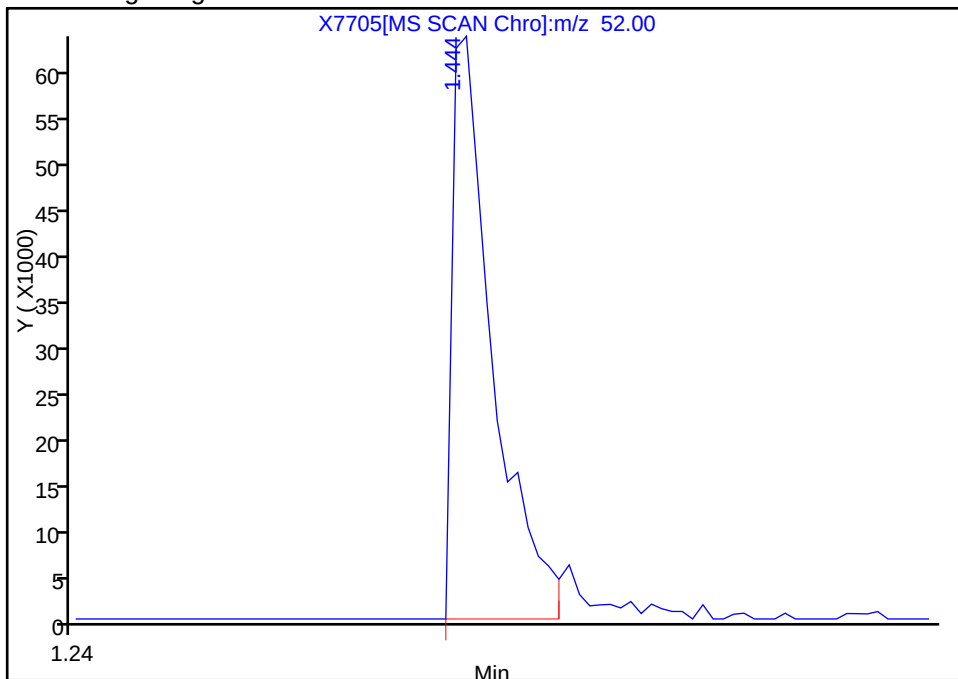
Second Level Reviewer: pfenderk, Date: 13-Sep-2011 10:46:52

Data File:	\\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7705.D		
Injection Date:	09-Sep-2011 14:14:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	30575	Lims Sample ID:	43
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

56 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 1.43

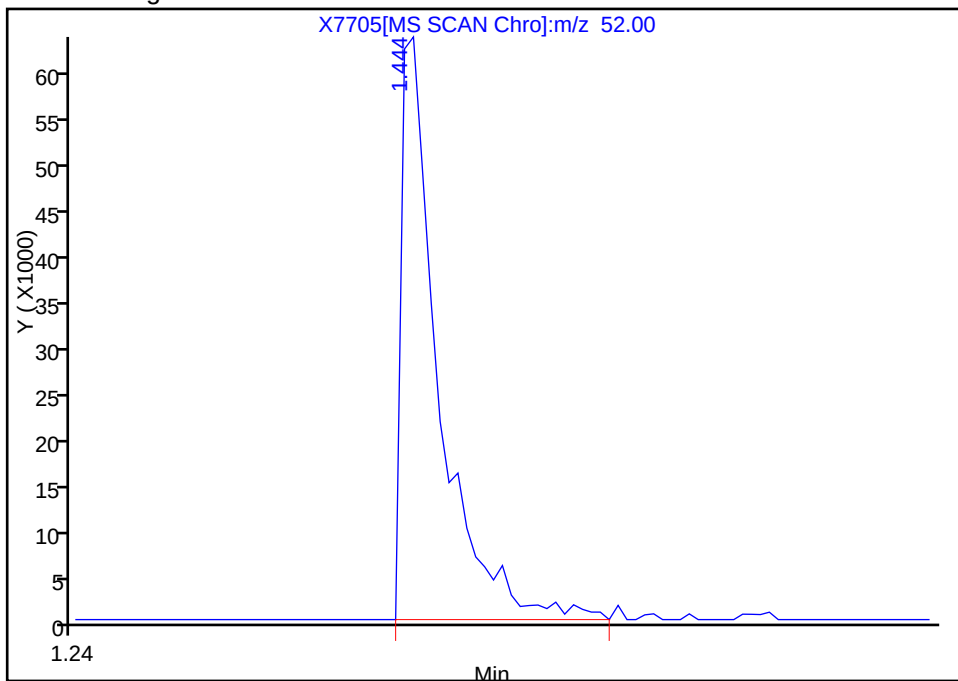
RT: 1.44
Response: 92996
Amount: 20.827895

Processing Integration Results



RT: 1.44
Response: 99816
Amount: 21.665471

Manual Integration Results



Reviewer: pagem, 12-Sep-2011 07:11:12

Audit Action: Manually Integrated

Audit Reason: Split Peak

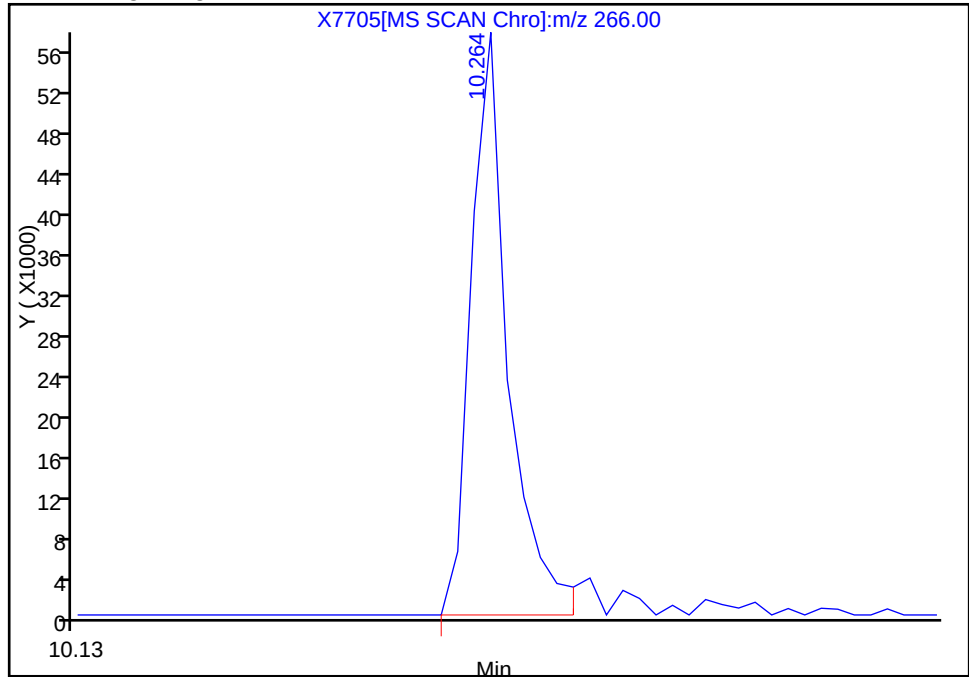
Second Level Reviewer: pfenderk, Date: 13-Sep-2011 10:46:52

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Injection Date:	09-Sep-2011 14:14:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	30575	Lims Sample ID:	43
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

165 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 10.26

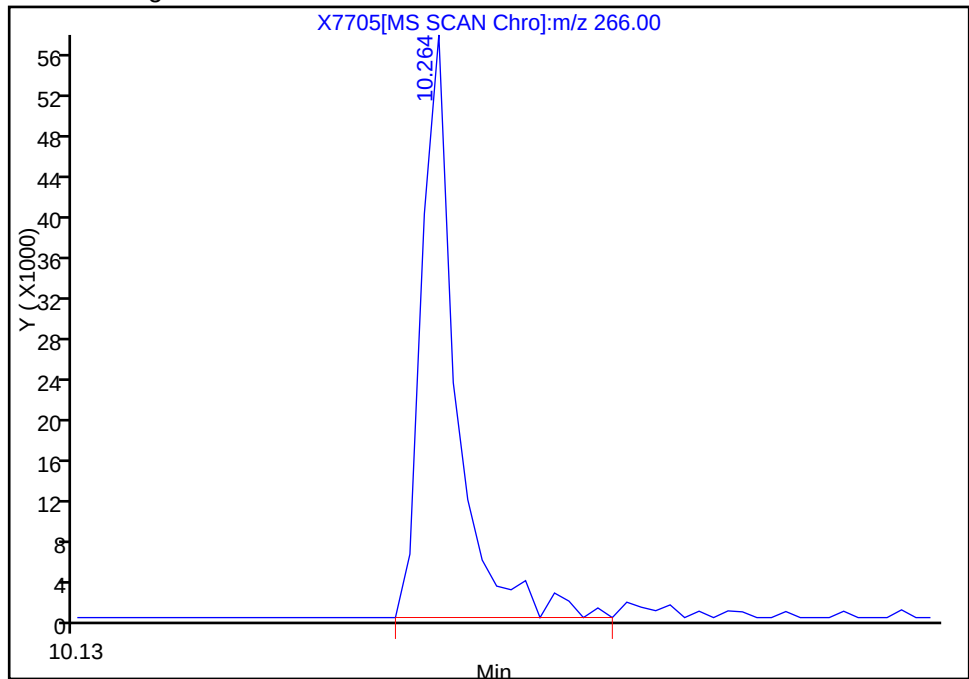
RT: 10.26
Response: 48382
Amount: 19.484768

Processing Integration Results



RT: 10.26
Response: 51131
Amount: 19.674870

Manual Integration Results



Reviewer: pagem, 12-Sep-2011 07:11:12

Audit Action: Manually Integrated

Audit Reason: Split Peak

Second Level Reviewer: pfenderk, Date: 13-Sep-2011 10:46:52

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7706.D
 Lims ID: IC - 8270 5 pt Client ID:
 Inject. Date: 09-Sep-2011 14:37:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: IC
 Misc. Info.: IC - 8270 5 PT
 Operator: MKP Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 30575 Lims Sample ID: 44
 Sublist: chrom-X-8270*sub15
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X-8270.m
 Last Update: 13-Sep-2011 10:48:13 Calib Date: 09-Sep-2011 14:37:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7706.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

Date: 13-Sep-2011 10:48:13

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.109	5.109	0.0	98	194231	40.0	
* 2 Naphthalene-d8	136	6.696	6.701	-0.005	99	720569	40.0	
* 3 Acenaphthene-d10	164	8.763	8.769	-0.006	91	460488	40.0	
* 4 Phenanthrene-d10	188	10.430	10.430	0.0	97	768328	40.0	
* 5 Chrysene-d12	240	12.850	12.856	-0.006	97	792174	40.0	
* 6 Perylene-d12	264	13.977	13.977	0.0	95	831425	40.0	
\$ 7 2-Fluorophenol	112	3.256	3.250	0.006	74	29250	4.88	
\$ 8 Phenol-d5	99	4.719	4.725	-0.006	0	35954	5.00	
\$ 9 Nitrobenzene-d5	82	5.830	5.825	0.005	81	31571	4.67	
\$ 10 2-Fluorobiphenyl	172	8.010	8.010	0.0	94	75780	5.24	
\$ 11 2,4,6-Tribromophenol	330	9.682	9.688	-0.006	43	12538	4.67	
\$ 12 p-Terphenyl-d14	244	11.974	11.974	0.0	93	90114	5.12	
55 N-Nitrosodimethylamine	42	1.402	1.391	0.011	65	24099	5.70	
56 Pyridine	52	1.461	1.434	0.027	76	23948	5.37	M
64 Aniline	93	4.687	4.682	0.005	92	46306	5.07	M
63 Phenol	94	4.741	4.741	0.0	87	39063	4.88	M
66 Bis(2-chloroethyl)ether	93	4.799	4.799	0.0	84	29767	5.08	
67 2-Chlorophenol	128	4.848	4.847	0.001	76	31692	4.79	
69 1,3-Dichlorobenzene	146	5.034	5.034	0.0	82	38711	5.06	
70 1,4-Dichlorobenzene	146	5.131	5.131	0.0	49	39013	5.00	
72 1,2-Dichlorobenzene	146	5.328	5.328	0.0	85	38409	5.15	
71 Benzyl alcohol	108	5.334	5.334	0.0	64	18727	4.53	
74 2,2'-oxybis[1-chloropropane]	45	5.521	5.521	0.0	73	37379	5.39	
73 2-Methylphenol	108	5.521	5.526	-0.005	85	26273	4.71	
78 N-Nitrosodi-n-propylamine	70	5.686	5.681	0.005	79	20881	4.77	
79 4-Methylphenol	108	5.724	5.729	-0.005	87	26633	4.67	
81 Hexachloroethane	117	5.756	5.756	0.0	74	14005	4.77	
83 Nitrobenzene	77	5.852	5.852	0.0	87	31279	4.66	
86 Isophorone	82	6.167	6.167	0.0	92	54818	4.70	
87 2-Nitrophenol	139	6.253	6.252	0.001	87	15250	4.29	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	6.370	6.375	-0.005	91	30198	4.44	
90 Tetraethyl lead	237	6.397	6.402	-0.005	83	18792	5.17	
94 Bis(2-chloroethoxy)methane	93	6.466	6.466	0.0	88	30945	4.75	
97 2,4-Dichlorophenol	162	6.568	6.568	0.0	85	26951	4.63	
95 Benzoic acid	105	6.584	6.616	-0.032	90	453198	90.0	
98 1,2,4-Trichlorobenzene	180	6.648	6.648	0.0	74	32442	4.99	
99 Naphthalene	128	6.723	6.723	0.0	66	87982	4.94	
101 4-Chloroaniline	127	6.824	6.824	0.0	83	35555	4.72	
104 Hexachlorobutadiene	225	6.915	6.915	0.0	71	21748	4.94	
110 4-Chloro-3-methylphenol	107	7.455	7.455	0.001	81	27719	4.69	
113 2-Methylnaphthalene	142	7.556	7.556	0.0	80	62036	4.95	
116 Hexachlorocyclopentadiene	237	7.770	7.770	0.0	57	18471	3.97	
118 2,4,6-Trichlorophenol	196	7.914	7.919	-0.005	73	22036	4.83	
119 2,4,5-Trichlorophenol	196	7.962	7.962	0.0	82	22573	4.68	
124 2-Chloronaphthalene	162	8.117	8.122	-0.005	92	62080	5.01	
125 2-Nitroaniline	65	8.261	8.261	0.0	56	16563	4.63	
128 Dimethyl phthalate	163	8.507	8.512	-0.005	95	76769	5.09	
130 2,6-Dinitrotoluene	165	8.550	8.560	-0.010	71	14565	4.53	
131 Acenaphthylene	152	8.592	8.592	0.0	89	90869	4.94	
132 3-Nitroaniline	138	8.742	8.747	-0.005	91	15141	4.43	
133 Acenaphthene	153	8.801	8.801	0.0	82	54864	4.86	
134 2,4-Dinitrophenol	184	8.865	8.865	0.0	1	1330	12.1	
138 Dibenzofuran	168	9.004	9.009	-0.005	72	93540	5.12	
135 4-Nitrophenol	109	9.004	9.009	-0.005	56	23614	8.38	
137 2,4-Dinitrotoluene	165	9.020	9.020	0.0	32	19842	4.28	
142 Diethyl phthalate	149	9.335	9.340	-0.005	94	76032	5.17	
144 Fluorene	166	9.399	9.404	-0.005	82	73166	5.04	
145 4-Chlorophenyl phenyl ether	204	9.426	9.431	-0.005	84	37204	4.82	
147 4-Nitroaniline	138	9.442	9.452	-0.010	59	13397	4.00	
148 4,6-Dinitro-2-methylphenol	198	9.490	9.495	-0.005	79	19732	10.7	
149 N-Nitrosodiphenylamine	169	9.570	9.570	0.0	46	50871	4.97	
152 1,2-Diphenylhydrazine	77	9.607	9.607	0.0	95	66774	5.00	
159 4-Bromophenyl phenyl ether	248	9.981	9.981	0.0	52	23649	5.10	
160 Hexachlorobenzene	284	10.035	10.040	-0.005	72	23622	4.62	
165 Pentachlorophenol	266	10.265	10.265	0.0	56	16515	10.8	M
171 Phenanthrene	178	10.452	10.457	-0.005	62	109385	5.29	
172 Anthracene	178	10.505	10.510	-0.005	94	106013	5.09	
173 Carbazole	167	10.687	10.692	-0.005	80	94042	4.92	
176 Di-n-butyl phthalate	149	11.087	11.093	-0.006	98	115075	4.89	
182 Fluoranthene	202	11.605	11.605	0.0	94	115885	4.93	
183 Benzidine	184	11.744	11.750	-0.006	89	51817	4.68	
185 Pyrene	202	11.803	11.803	0.0	98	121273	5.04	
192 Butyl benzyl phthalate	149	12.417	12.417	0.0	89	46278	4.40	
196 3,3'-Dichlorobenzidine	252	12.840	12.839	0.001	41	38870	4.27	
197 Benzo[a]anthracene	228	12.840	12.845	-0.005	90	111809	4.97	
199 Chrysene	228	12.872	12.877	-0.005	64	112950	5.25	
198 Bis(2-ethylhexyl) phthalate	149	12.914	12.920	-0.006	93	67914	4.82	
201 Di-n-octyl phthalate	149	13.427	13.427	0.0	96	104403	4.59	
203 Benzo[b]fluoranthene	252	13.694	13.700	-0.006	89	127355	5.04	
204 Benzo[k]fluoranthene	252	13.710	13.721	-0.011	91	118436	4.90	
206 Benzo[a]pyrene	252	13.929	13.935	-0.006	69	97148	4.78	
208 Indeno[1,2,3-cd]pyrene	276	14.731	14.741	-0.010	96	130337	4.80	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
209 Dibenz(a,h)anthracene	278	14.741	14.747	-0.006	57	111587	4.82	
210 Benzo[g,h,i]perylene	276	14.939	14.944	-0.005	86	108851	4.90	
S 212 3 & 4 Methylphenol	108				0		4.67	
S 213 Total Cresols	1				0		9.37	
S 214 3-Methylphenol	1				0		4.67	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 13-Sep-2011 10:48:13

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7706.D

Injection Date: 09-Sep-2011 14:37:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 30575

Lims Sample ID: 44

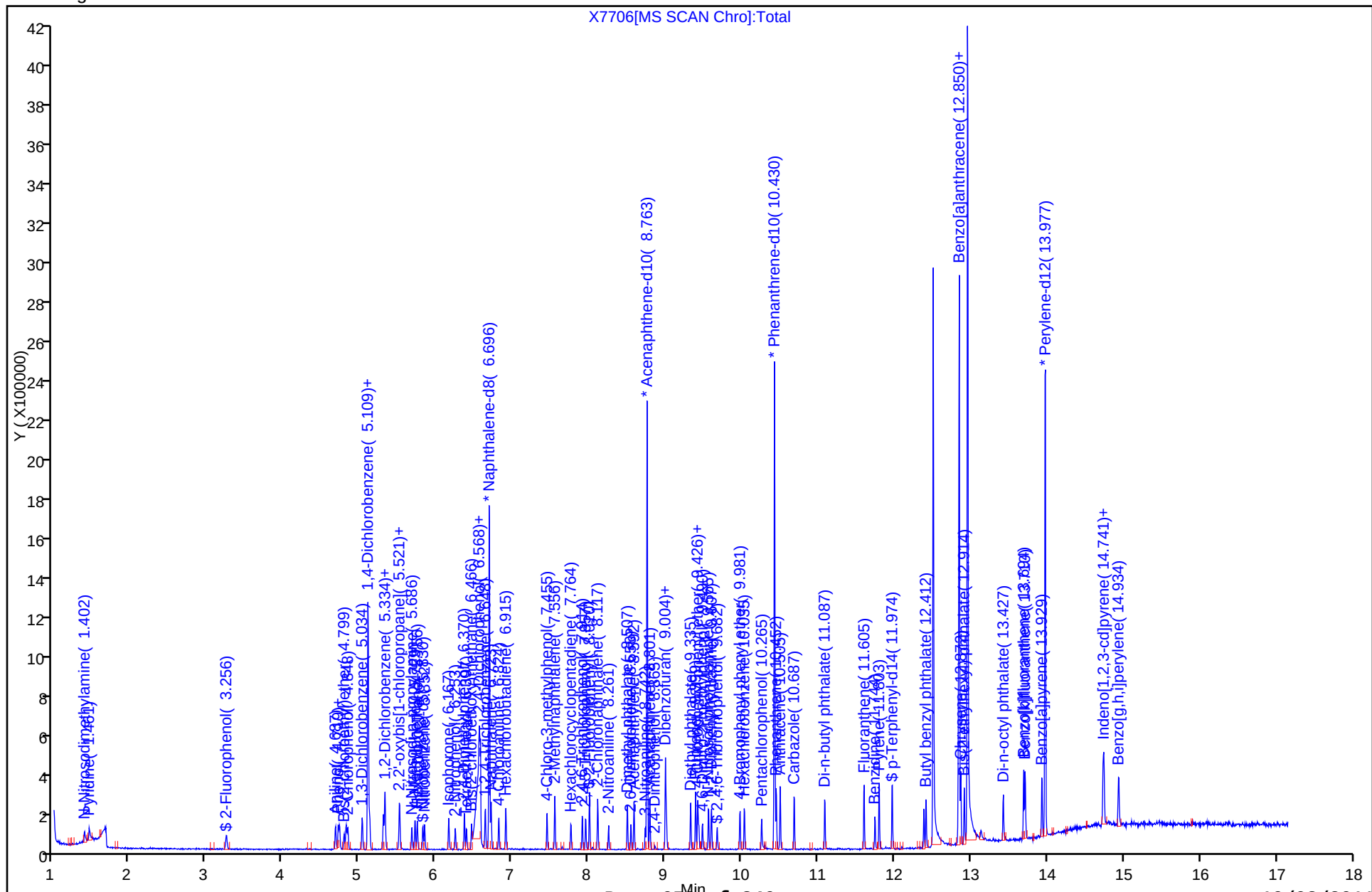
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

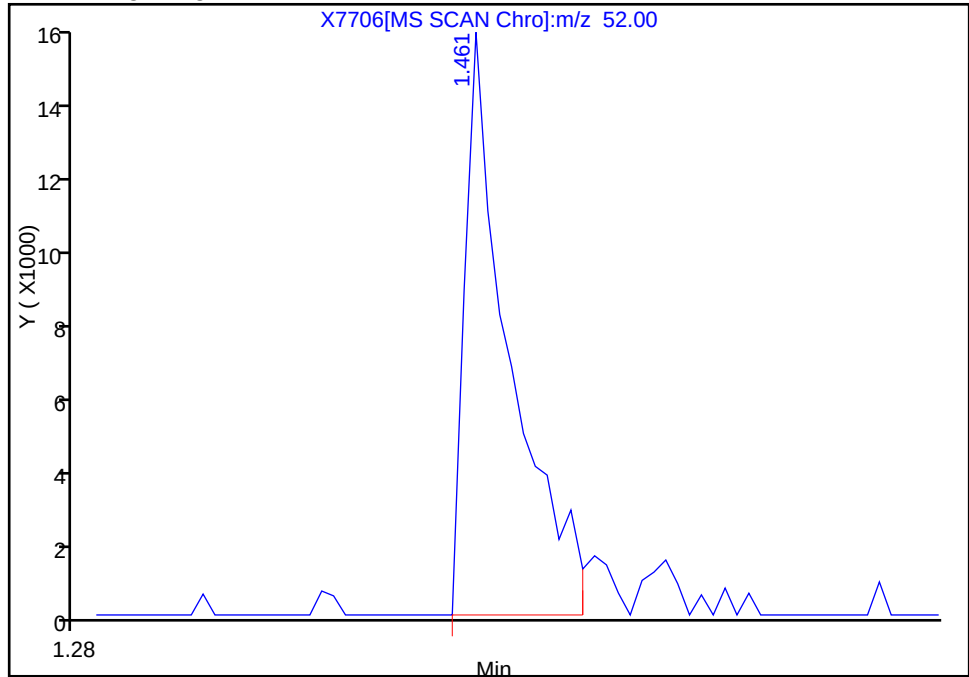


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Injection Date: 09-Sep-2011 14:37:30 Limit Group: MB - 8270C ICAL
Client ID: Instrument ID: HP5973X
Lims Batch ID: 30575 Lims Sample ID: 44
Operator ID: MKP Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

56 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 1.43

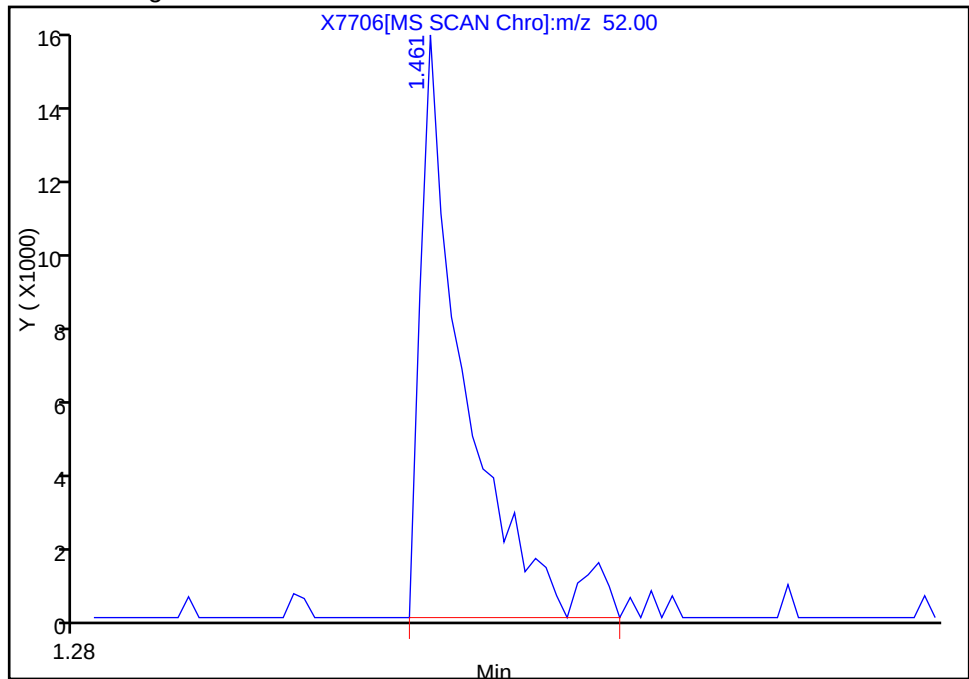
RT: 1.46
Response: 21469
Amount: 4.903372

Processing Integration Results



RT: 1.46
Response: 23948
Amount: 5.368245

Manual Integration Results



Reviewer: pagem, 12-Sep-2011 07:13:51

Audit Action: Manually Integrated

Audit Reason: Split Peak

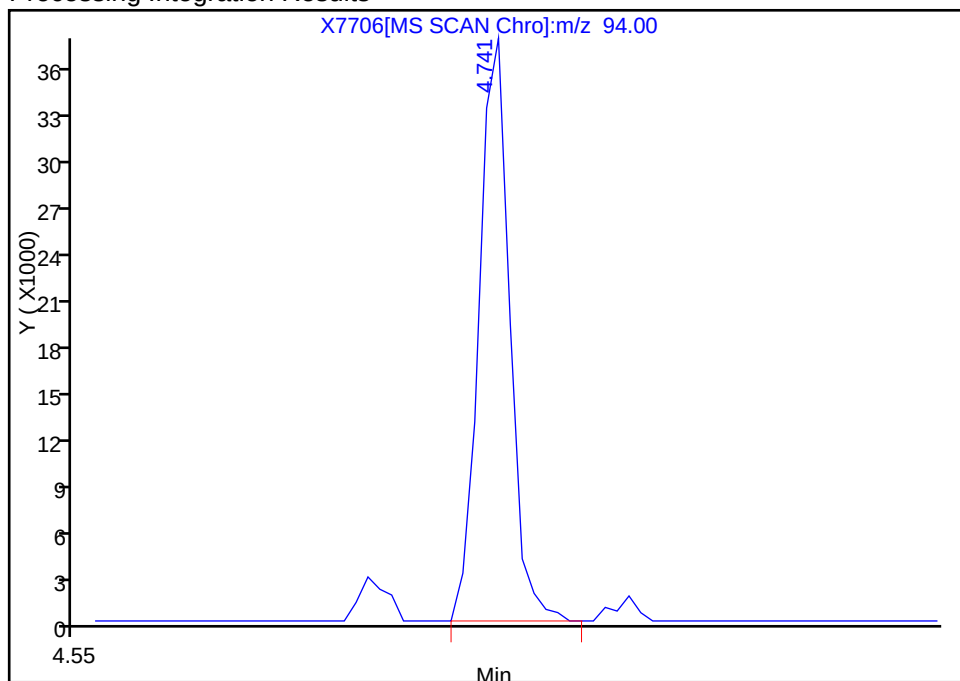
Second Level Reviewer: pfenderk, Date: 13-Sep-2011 10:48:13

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Injection Date:	09-Sep-2011 14:37:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	30575	Lims Sample ID:	44
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

63 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 4.74

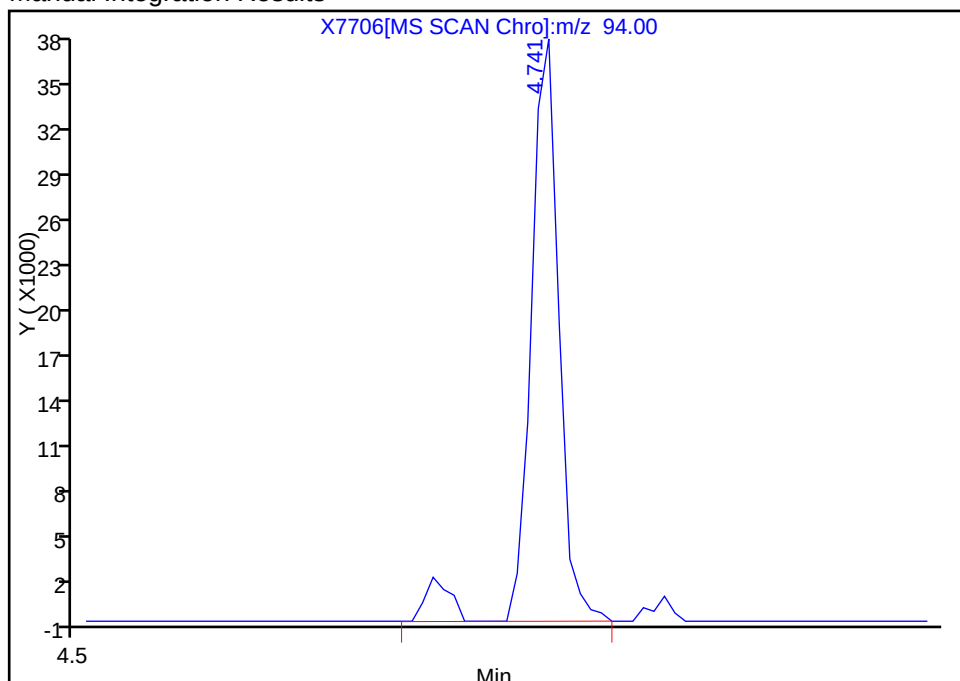
RT: 4.74
Response: 36492
Amount: 4.604907

Processing Integration Results



RT: 4.74
Response: 39063
Amount: 4.876603

Manual Integration Results



Reviewer: pagem, 12-Sep-2011 07:13:51

Audit Action: Manually Integrated

Audit Reason: Split Peak

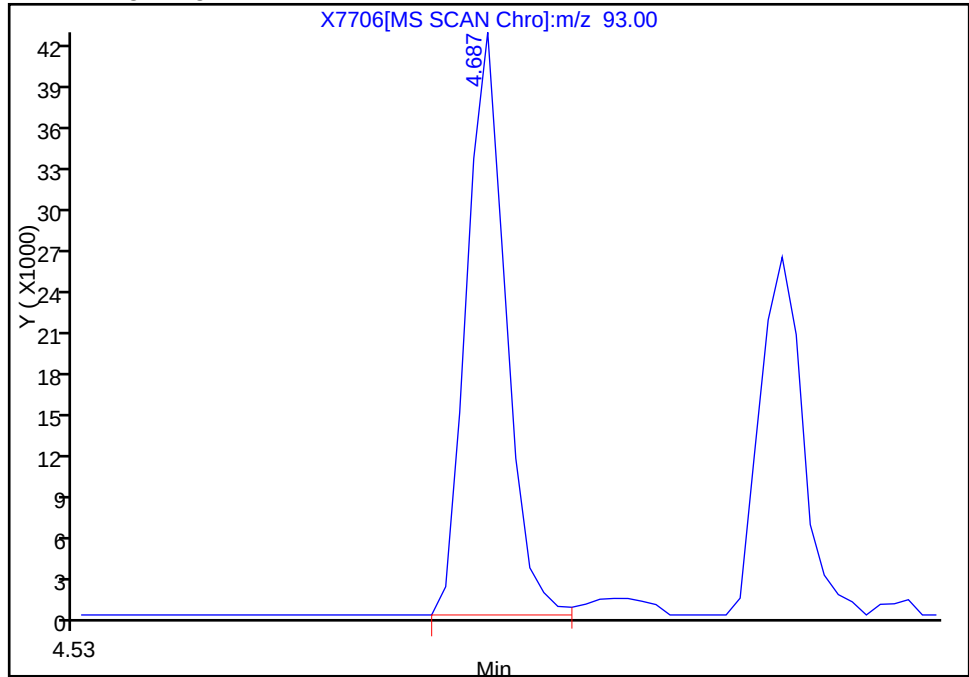
Second Level Reviewer: pfenderk, Date: 13-Sep-2011 10:48:13

Data File:	\\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7706.D		
Injection Date:	09-Sep-2011 14:37:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	30575	Lims Sample ID:	44
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

64 Aniline, Signal: 1, m/z: 93.0 Type: quant, RT: 4.68

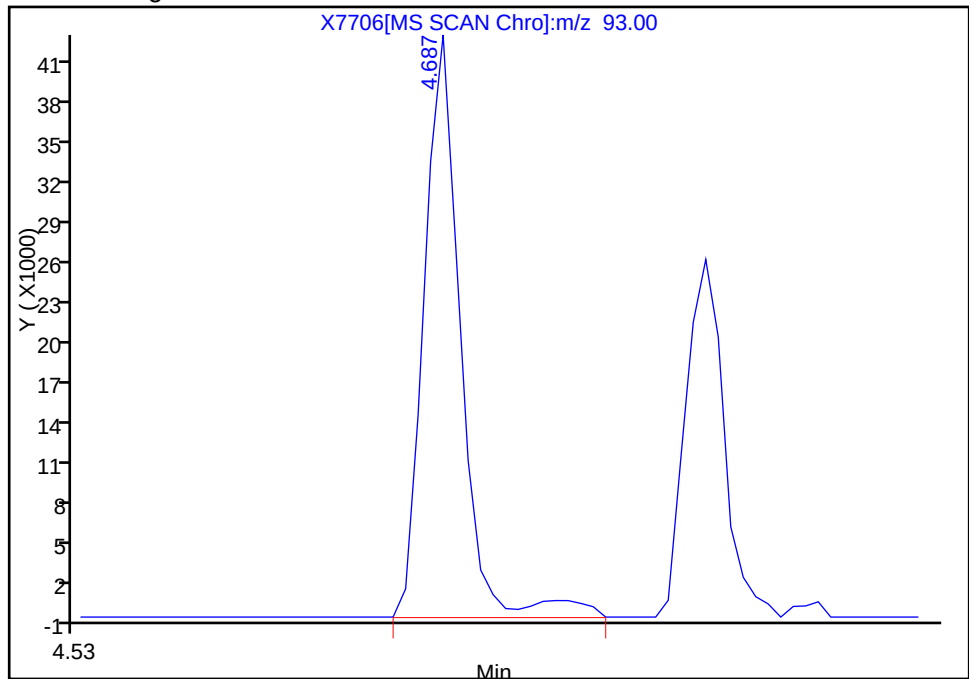
RT: 4.69
Response: 44133
Amount: 4.870903

Processing Integration Results



RT: 4.69
Response: 46306
Amount: 5.070202

Manual Integration Results



Reviewer: pagem, 12-Sep-2011 07:13:51

Audit Action: Manually Integrated

Audit Reason: Split Peak

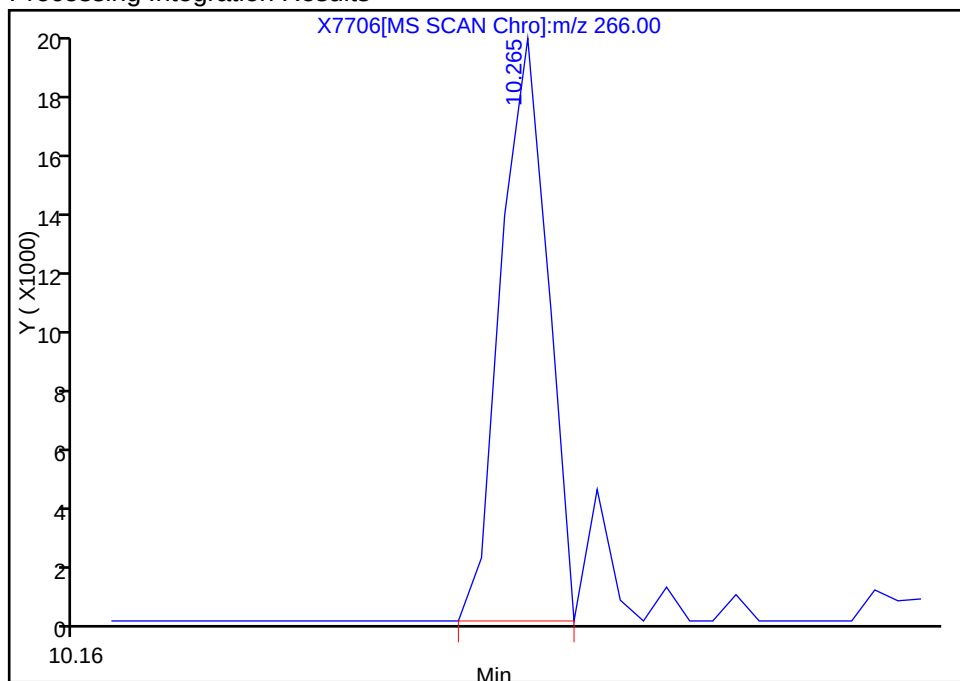
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Data File:	\\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7706.D		
Injection Date:	09-Sep-2011 14:37:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	30575	Lims Sample ID:	44
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

165 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 10.26

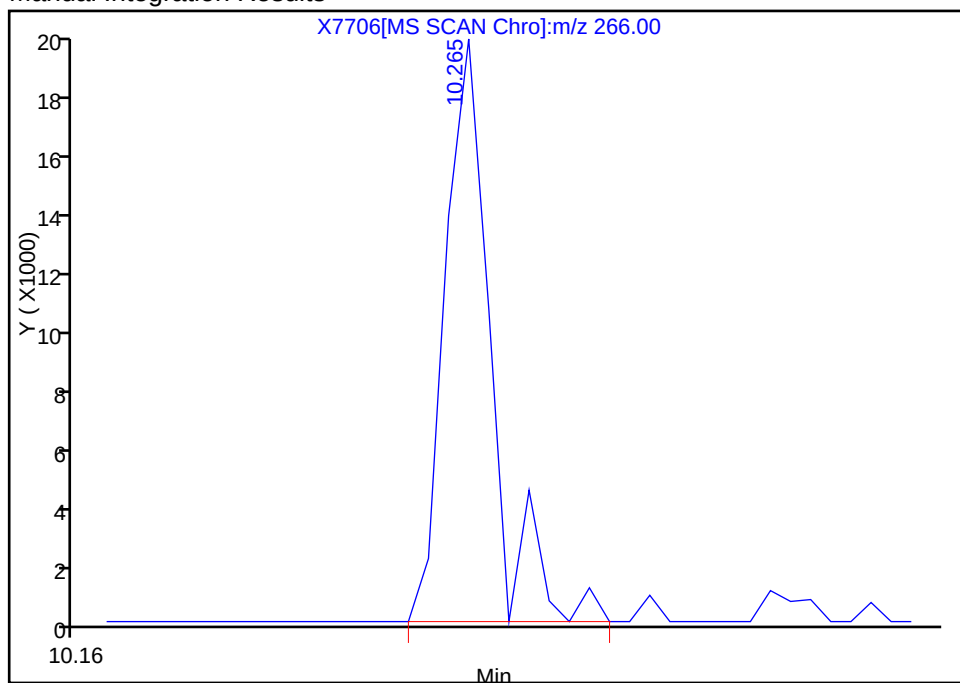
RT: 10.26
Response: 14527
Amount: 10.631964

Processing Integration Results



RT: 10.26
Response: 16515
Amount: 10.823000

Manual Integration Results



Reviewer: pagem, 12-Sep-2011 07:13:51

Audit Action: Manually Integrated

Audit Reason: Peak Tail

Second Level Reviewer: pfenderk, Date: 13-Sep-2011 10:48:13

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Lab Sample ID: CCVIS 480-32612/2 Calibration Date: 09/23/2011 12:56
Instrument ID: HP5973U Calib Start Date: 07/29/2011 16:11
GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 07/29/2011 18:08
Lab File ID: U4499.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dimethylbenzidine	Ave	0.6574	0.6013	0.0100		80000	-8.5	100.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4499.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 23-Sep-2011 12:56:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: 480-0006193-002
 Misc. Info.: CCVIS
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 32612 Lims Sample ID: 2
 Sublist: chrom-U-8270*sub11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U-8270.m
 Last Update: 23-Sep-2011 13:18:23 Calib Date: 14-Sep-2011 21:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 23-Sep-2011 13:18:23

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.774	5.774	0.0	91	123826	40.0	
* 2 Naphthalene-d8	136	7.504	7.504	0.0	99	438908	40.0	
* 3 Acenaphthene-d10	164	9.775	9.775	0.0	80	291187	40.0	
* 4 Phenanthrene-d10	188	11.484	11.484	0.0	96	541544	40.0	
* 5 Chrysene-d12	240	13.958	13.958	0.0	87	574703	40.0	
* 6 Perylene-d12	264	15.219	15.219	0.0	97	543922	40.0	
\$ 9 2-Fluorophenol	112	3.914	3.914	0.0	96	290417	83.0	
\$ 10 Phenol-d5	99	5.325	5.325	0.0	86	345672	81.9	
\$ 11 Nitrobenzene-d5	82	6.543	6.543	0.0	83	346682	84.8	
\$ 12 2-Fluorobiphenyl	172	8.925	8.925	0.0	97	786933	83.7	
\$ 13 2,4,6-Tribromophenol	330	10.731	10.731	0.0	97	143285	88.5	
\$ 14 p-Terphenyl-d14	244	13.023	13.023	0.0	98	1081787	83.8	
81 N-Nitrosodimethylamine	42	2.013	2.013	0.0	58	320163	86.6	
82 Pyridine	52	2.071	2.071	0.0	62	286469	88.1	
90 Aniline	93	5.314	5.314	0.0	90	425700	78.7	
89 Phenol	94	5.346	5.346	0.0	81	374533	80.7	M
91 Bis(2-chloroethyl)ether	93	5.410	5.410	0.0	95	255444	81.4	
93 2-Chlorophenol	128	5.496	5.496	0.0	88	323404	79.2	
94 1,3-Dichlorobenzene	146	5.699	5.699	0.0	92	393497	77.6	
95 1,4-Dichlorobenzene	146	5.800	5.800	0.0	81	400400	78.0	
96 Benzyl alcohol	108	5.993	5.993	0.0	72	223178	85.4	
97 1,2-Dichlorobenzene	146	6.014	6.014	0.0	91	380681	80.1	
99 2,2'-oxybis[1-chloropropane]	45	6.174	6.174	0.0	78	604666	84.4	
98 2-Methylphenol	108	6.180	6.180	0.0	82	276890	81.1	
101 N-Nitrosodi-n-propylamine	70	6.356	6.356	0.0	92	205000	83.0	
102 4-Methylphenol	108	6.399	6.399	0.0	89	294773	84.1	
106 Hexachloroethane	117	6.473	6.473	0.0	86	160906	82.5	
107 Nitrobenzene	77	6.564	6.564	0.0	91	344830	82.3	
110 Isophorone	82	6.895	6.895	0.0	89	562038	83.4	
111 2-Nitrophenol	139	7.002	7.002	0.0	81	179464	84.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.109	7.109	0.0	95	367322	83.7	
113 Tetraethyl lead	237	7.147	7.147	0.0	89	198663	78.7	
115 Bis(2-chloroethoxy)methane	93	7.205	7.205	0.0	95	292096	85.4	
117 2,4-Dichlorophenol	162	7.344	7.344	0.0	94	299081	85.8	
119 Benzoic acid	105	7.382	7.382	0.0	88	703283	255.6	
120 1,2,4-Trichlorobenzene	180	7.435	7.435	0.0	92	328332	81.2	
121 Naphthalene	128	7.531	7.531	0.0	96	917977	82.6	
123 4-Chloroaniline	127	7.622	7.622	0.0	91	379788	84.2	
126 Hexachlorobutadiene	225	7.723	7.723	0.0	96	260260	80.9	
131 4-Chloro-3-methylphenol	107	8.295	8.295	0.0	94	315233	86.2	
133 2-Methylnaphthalene	142	8.439	8.439	0.0	86	658509	81.5	
136 Hexachlorocyclopentadiene	237	8.664	8.664	0.0	96	296831	81.6	
139 2,4,6-Trichlorophenol	196	8.829	8.829	0.0	95	226871	82.9	
140 2,4,5-Trichlorophenol	196	8.883	8.883	0.0	96	246479	84.7	
143 2-Chloronaphthalene	162	9.064	9.064	0.0	98	668861	83.8	
145 2-Nitroaniline	65	9.209	9.209	0.0	75	220565	91.0	
147 Dimethyl phthalate	163	9.454	9.454	0.0	97	834259	84.3	
148 2,6-Dinitrotoluene	165	9.518	9.518	0.0	81	177896	88.3	
149 Acenaphthylene	152	9.593	9.593	0.0	91	1010991	84.0	
150 3-Nitroaniline	138	9.737	9.737	0.0	87	189227	87.7	
151 Acenaphthene	153	9.818	9.818	0.0	92	661193	84.7	
152 2,4-Dinitrophenol	184	9.871	9.871	0.0	73	87628	75.5	
153 4-Nitrophenol	109	10.005	10.005	0.0	85	215285	80.0	
154 2,4-Dinitrotoluene	165	10.031	10.031	0.0	51	273557	88.4	
155 Dibenzofuran	168	10.037	10.037	0.0	85	1012892	81.8	
160 Diethyl phthalate	149	10.336	10.336	0.0	96	894242	87.9	
161 Fluorene	166	10.448	10.448	0.0	89	854330	84.2	
162 4-Chlorophenyl phenyl ether	204	10.453	10.453	0.0	94	466293	86.0	
164 4-Nitroaniline	138	10.491	10.491	0.0	63	195855	89.6	
166 4,6-Dinitro-2-methylphenol	198	10.528	10.528	0.0	72	174368	82.0	
167 N-Nitrosodiphenylamine	169	10.592	10.592	0.0	98	581617	86.4	
168 1,2-Diphenylhydrazine	77	10.635	10.635	0.0	91	726176	87.1	
176 4-Bromophenyl phenyl ether	248	11.004	11.004	0.0	91	280678	86.9	
177 Hexachlorobenzene	284	11.089	11.089	0.0	89	305168	87.9	
181 Pentachlorophenol	266	11.308	11.308	0.0	86	160490	73.9	
185 Phenanthrene	178	11.511	11.511	0.0	95	1235748	81.6	
188 Anthracene	178	11.559	11.559	0.0	96	1263784	83.8	
189 Carbazole	167	11.735	11.735	0.0	83	1069812	83.4	
192 Di-n-butyl phthalate	149	12.083	12.083	0.0	100	1378382	86.4	
197 Fluoranthene	202	12.681	12.681	0.0	94	1410893	83.1	
198 Benzidine	184	12.793	12.793	0.0	97	634462	80.8	
199 Pyrene	202	12.889	12.889	0.0	97	1395998	82.3	
205 Butyl benzyl phthalate	149	13.445	13.445	0.0	98	680256	87.9	
203 3,3'-Dimethylbenzidine	212	13.440	13.545	-0.105	96	651302	0	
208 3,3'-Dichlorobenzidine	252	13.915	13.915	0.0	97	577230	85.0	
210 Bis(2-ethylhexyl) phthalate	149	13.931	13.931	0.0	94	875835	86.7	
209 Benzo[a]anthracene	228	13.947	13.947	0.0	87	1361938	80.2	
211 Chrysene	228	13.979	13.979	0.0	90	1272922	80.9	
212 Di-n-octyl phthalate	149	14.455	14.455	0.0	99	1359589	91.4	
213 Benzo[b]fluoranthene	252	14.871	14.871	0.0	90	1425982	85.8	
214 Benzo[k]fluoranthene	252	14.893	14.893	0.0	96	1350795	79.7	
217 Benzo[a]pyrene	252	15.171	15.171	0.0	99	1140603	82.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
220 Dibenz(a,h)anthracene	278	16.335	16.335	0.0	59	1270128	81.1	
219 Indeno[1,2,3-cd]pyrene	276	16.335	16.335	0.0	88	1452519	80.5	
221 Benzo[g,h,i]perylene	276	16.656	16.656	0.0	90	1079839	81.6	
S 78 3-Methylphenol	1				0		84.1	
S 77 3 & 4 Methylphenol	108				0		84.1	
S 222 Total Cresols	1				0		165.2	

QC Flag Legend

Review Flags

M - Manually Integrated

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Lab Sample ID: CCVIS 480-32612/2 Calibration Date: 09/23/2011 12:56

Instrument ID: HP5973U Calib Start Date: 09/14/2011 15:02

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/14/2011 16:59

Lab File ID: U4499.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	1.194	1.293	0.0100	86600	80000	8.3	25.0
Pyridine	Ave	1.050	1.157	0.0100	88100	80000	10.1	100.0
Aniline	Ave	1.747	1.719	0.0100	78700	80000	-1.6	100.0
Phenol	Ave	1.500	1.512	0.0100	80700	80000	0.9	20.0
Bis(2-chloroethyl)ether	Ave	1.014	1.031	0.0100	81400	80000	1.7	25.0
2-Chlorophenol	Ave	1.320	1.306	0.0100	79200	80000	-1.0	25.0
1,3-Dichlorobenzene	Ave	1.639	1.589	0.0100	77600	80000	-3.0	25.0
1,4-Dichlorobenzene	Ave	1.658	1.617	0.0100	78000	80000	-2.5	20.0
Benzyl alcohol	Ave	0.8444	0.9012	0.0100	85400	80000	6.7	100.0
1,2-Dichlorobenzene	Ave	1.535	1.537	0.0100	80100	80000	0.1	25.0
bis (2-chloroisopropyl) ether	Ave	2.315	2.442	0.0100	84400	80000	5.5	25.0
2-Methylphenol	Ave	1.103	1.118	0.0100	81100	80000	1.3	25.0
N-Nitrosodi-n-propylamine	Ave	0.7978	0.8278	0.0500	83000	80000	3.8	25.0
4-Methylphenol	Ave	1.132	1.190	0.0100	84100	80000	5.1	25.0
Hexachloroethane	Ave	0.6297	0.6497	0.0100	82500	80000	3.2	25.0
Nitrobenzene	Ave	0.3819	0.3928	0.0100	82300	80000	2.9	25.0
Isophorone	Ave	0.6145	0.6403	0.0100	83400	80000	4.2	25.0
2-Nitrophenol	Ave	0.1939	0.2044	0.0100	84300	80000	5.4	20.0
2,4-Dimethylphenol	Ave	0.4000	0.4185	0.0100	83700	80000	4.6	25.0
Tetraethyl lead	Ave	0.2300	0.2263	0.0100	78700	80000	-1.6	40.0
Bis(2-chloroethoxy)methane	Ave	0.3117	0.3328	0.0100	85400	80000	6.8	25.0
2,4-Dichlorophenol	Ave	0.3175	0.3407	0.0100	85800	80000	7.3	20.0
Benzoic acid	Ave	0.2508	0.2671	0.0100	256000	240000	6.5	25.0
1,2,4-Trichlorobenzene	Ave	0.3686	0.3740	0.0100	81200	80000	1.5	25.0
Naphthalene	Ave	1.013	1.046	0.0100	82600	80000	3.2	25.0
4-Chloroaniline	Ave	0.4112	0.4327	0.0100	84200	80000	5.2	25.0
Hexachlorobutadiene	Ave	0.2932	0.2965	0.0100	80900	80000	1.1	20.0
4-Chloro-3-methylphenol	Ave	0.3333	0.3591	0.0100	86200	80000	7.7	20.0
2-Methylnaphthalene	Ave	0.7365	0.7502	0.0100	81500	80000	1.9	25.0
Hexachlorocyclopentadiene	Lin1		0.5097	0.0500	81600	80000	2.0	25.0
2,4,6-Trichlorophenol	Ave	0.3757	0.3896	0.0100	82900	80000	3.7	20.0
2,4,5-Trichlorophenol	Ave	0.3997	0.4232	0.0100	84700	80000	5.9	25.0
2-Chloronaphthalene	Ave	1.097	1.149	0.0100	83800	80000	4.7	25.0
2-Nitroaniline	Ave	0.3330	0.3787	0.0100	91000	80000	13.7	25.0
Dimethyl phthalate	Ave	1.359	1.433	0.0100	84300	80000	5.4	25.0
2,6-Dinitrotoluene	Ave	0.2769	0.3055	0.0100	88300	80000	10.3	25.0
Acenaphthylene	Ave	1.653	1.736	0.0100	84000	80000	5.0	25.0
3-Nitroaniline	Ave	0.2963	0.3249	0.0100	87700	80000	9.6	25.0
Acenaphthene	Ave	1.073	1.135	0.0100	84700	80000	5.8	20.0
2,4-Dinitrophenol	Lin1		0.1505	0.0500	75500	80000	-5.6	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-32612/2 Calibration Date: 09/23/2011 12:56
 Instrument ID: HP5973U Calib Start Date: 09/14/2011 15:02
 GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/14/2011 16:59
 Lab File ID: U4499.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitrophenol	Lin1		0.3697	0.0500	80000	80000	0.0	25.0
2,4-Dinitrotoluene	Ave	0.4252	0.4697	0.0100	88400	80000	10.5	25.0
Dibenzofuran	Ave	1.702	1.739	0.0100	81800	80000	2.2	25.0
Diethyl phthalate	Ave	1.397	1.536	0.0100	87900	80000	9.9	25.0
Fluorene	Ave	1.394	1.467	0.0100	84200	80000	5.2	25.0
4-Chlorophenyl phenyl ether	Ave	0.7444	0.8007	0.0100	86000	80000	7.6	25.0
4-Nitroaniline	Ave	0.3003	0.3363	0.0100	89600	80000	12.0	25.0
4,6-Dinitro-2-methylphenol	Lin1		0.1610	0.0100	82000	80000	2.5	25.0
N-Nitrosodiphenylamine	Ave	0.4971	0.5370	0.0100	86400	80000	8.0	20.0
1,2-Diphenylhydrazine	Ave	1.145	1.247	0.0100	87100	80000	8.9	25.0
4-Bromophenyl phenyl ether	Ave	0.2387	0.2592	0.0100	86900	80000	8.6	25.0
Hexachlorobenzene	Ave	0.2563	0.2818	0.0100	87900	80000	9.9	25.0
Pentachlorophenol	Lin1		0.1482	0.0100	73900	80000	-7.6	20.0
Phenanthrene	Ave	1.118	1.141	0.0100	81600	80000	2.0	25.0
Anthracene	Ave	1.114	1.167	0.0100	83800	80000	4.7	25.0
Carbazole	Ave	0.9471	0.9877	0.0100	83400	80000	4.3	25.0
Di-n-butyl phthalate	Ave	1.179	1.273	0.0100	86400	80000	8.0	25.0
Fluoranthene	Ave	1.255	1.303	0.0100	83100	80000	3.8	20.0
Benzidine	Ave	0.5467	0.5520	0.0100	80800	80000	1.0	25.0
Pyrene	Ave	1.181	1.215	0.0100	82300	80000	2.9	25.0
Butyl benzyl phthalate	Ave	0.5384	0.5918	0.0100	87900	80000	9.9	25.0
3,3'-Dichlorobenzidine	Ave	0.4726	0.5022	0.0100	85000	80000	6.3	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.7033	0.7620	0.0100	86700	80000	8.4	25.0
Benzo(a)anthracene	Ave	1.181	1.185	0.0100	80200	80000	0.3	25.0
Chrysene	Ave	1.095	1.107	0.0100	80900	80000	1.1	25.0
Di-n-octyl phthalate	Ave	1.035	1.183	0.0100	91400	80000	14.3	20.0
Benzo(b)fluoranthene	Ave	1.222	1.311	0.0100	85800	80000	7.2	25.0
Benzo(k)fluoranthene	Ave	1.247	1.242	0.0100	79700	80000	-0.4	25.0
Benzo(a)pyrene	Ave	1.016	1.049	0.0100	82600	80000	3.2	20.0
Dibenz(a,h)anthracene	Ave	1.152	1.168	0.0100	81100	80000	1.4	25.0
Indeno(1,2,3-cd)pyrene	Ave	1.327	1.335	0.0100	80500	80000	0.6	25.0
Benzo(g,h,i)perylene	Ave	0.9735	0.9926	0.0100	81600	80000	2.0	25.0
2-Fluorophenol	Ave	1.131	1.173	0.0100	83000	80000	3.7	25.0
Phenol-d5	Ave	1.364	1.396	0.0100	81900	80000	2.3	25.0
Nitrobenzene-d5	Ave	0.3727	0.3949	0.0100	84800	80000	6.0	25.0
2-Fluorobiphenyl	Ave	1.292	1.351	0.0100	83700	80000	4.6	25.0
2,4,6-Tribromophenol	Ave	0.1196	0.1323	0.0100	88500	80000	10.6	25.0
p-Terphenyl-d14	Ave	0.8983	0.9412	0.0100	83800	80000	4.8	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4499.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 23-Sep-2011 12:56:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: 480-0006193-002
 Misc. Info.: CCVIS
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 32612 Lims Sample ID: 2
 Sublist: chrom-U-8270*sub11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U-8270.m
 Last Update: 23-Sep-2011 13:18:23 Calib Date: 14-Sep-2011 21:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 23-Sep-2011 13:18:23

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.774	5.774	0.0	91	123826	40.0	
* 2 Naphthalene-d8	136	7.504	7.504	0.0	99	438908	40.0	
* 3 Acenaphthene-d10	164	9.775	9.775	0.0	80	291187	40.0	
* 4 Phenanthrene-d10	188	11.484	11.484	0.0	96	541544	40.0	
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\$ 9 2-Fluorophenol	112	3.914	3.914	0.0	96	290417	83.0	
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\$ 14 p-Terphenyl-d14	244	13.023	13.023	0.0	98	1081787	83.8	
81 N-Nitrosodimethylamine	42	2.013	2.013	0.0	58	320163	86.6	
82 Pyridine	52	2.071	2.071	0.0	62	286469	88.1	
90 Aniline	93	5.314	5.314	0.0	90	425700	78.7	
89 Phenol	94	5.346	5.346	0.0	81	374533	80.7	M
91 Bis(2-chloroethyl)ether	93	5.410	5.410	0.0	95	255444	81.4	
93 2-Chlorophenol	128	5.496	5.496	0.0	88	323404	79.2	
94 1,3-Dichlorobenzene	146	5.699	5.699	0.0	92	393497	77.6	
95 1,4-Dichlorobenzene	146	5.800	5.800	0.0	81	400400	78.0	
96 Benzyl alcohol	108	5.993	5.993	0.0	72	223178	85.4	
97 1,2-Dichlorobenzene	146	6.014	6.014	0.0	91	380681	80.1	
99 2,2'-oxybis[1-chloropropane]	45	6.174	6.174	0.0	78	604666	84.4	
98 2-Methylphenol	108	6.180	6.180	0.0	82	276890	81.1	
101 N-Nitrosodi-n-propylamine	70	6.356	6.356	0.0	92	205000	83.0	
102 4-Methylphenol	108	6.399	6.399	0.0	89	294773	84.1	
106 Hexachloroethane	117	6.473	6.473	0.0	86	160906	82.5	
107 Nitrobenzene	77	6.564	6.564	0.0	91	344830	82.3	
110 Isophorone	82	6.895	6.895	0.0	89	562038	83.4	
111 2-Nitrophenol	139	7.002	7.002	0.0	81	179464	84.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.109	7.109	0.0	95	367322	83.7	
113 Tetraethyl lead	237	7.147	7.147	0.0	89	198663	78.7	
115 Bis(2-chloroethoxy)methane	93	7.205	7.205	0.0	95	292096	85.4	
117 2,4-Dichlorophenol	162	7.344	7.344	0.0	94	299081	85.8	
119 Benzoic acid	105	7.382	7.382	0.0	88	703283	255.6	
120 1,2,4-Trichlorobenzene	180	7.435	7.435	0.0	92	328332	81.2	
121 Naphthalene	128	7.531	7.531	0.0	96	917977	82.6	
123 4-Chloroaniline	127	7.622	7.622	0.0	91	379788	84.2	
126 Hexachlorobutadiene	225	7.723	7.723	0.0	96	260260	80.9	
131 4-Chloro-3-methylphenol	107	8.295	8.295	0.0	94	315233	86.2	
133 2-Methylnaphthalene	142	8.439	8.439	0.0	86	658509	81.5	
136 Hexachlorocyclopentadiene	237	8.664	8.664	0.0	96	296831	81.6	
139 2,4,6-Trichlorophenol	196	8.829	8.829	0.0	95	226871	82.9	
140 2,4,5-Trichlorophenol	196	8.883	8.883	0.0	96	246479	84.7	
143 2-Chloronaphthalene	162	9.064	9.064	0.0	98	668861	83.8	
145 2-Nitroaniline	65	9.209	9.209	0.0	75	220565	91.0	
147 Dimethyl phthalate	163	9.454	9.454	0.0	97	834259	84.3	
148 2,6-Dinitrotoluene	165	9.518	9.518	0.0	81	177896	88.3	
149 Acenaphthylene	152	9.593	9.593	0.0	91	1010991	84.0	
150 3-Nitroaniline	138	9.737	9.737	0.0	87	189227	87.7	
151 Acenaphthene	153	9.818	9.818	0.0	92	661193	84.7	
152 2,4-Dinitrophenol	184	9.871	9.871	0.0	73	87628	75.5	
153 4-Nitrophenol	109	10.005	10.005	0.0	85	215285	80.0	
154 2,4-Dinitrotoluene	165	10.031	10.031	0.0	51	273557	88.4	
155 Dibenzofuran	168	10.037	10.037	0.0	85	1012892	81.8	
160 Diethyl phthalate	149	10.336	10.336	0.0	96	894242	87.9	
161 Fluorene	166	10.448	10.448	0.0	89	854330	84.2	
162 4-Chlorophenyl phenyl ether	204	10.453	10.453	0.0	94	466293	86.0	
164 4-Nitroaniline	138	10.491	10.491	0.0	63	195855	89.6	
166 4,6-Dinitro-2-methylphenol	198	10.528	10.528	0.0	72	174368	82.0	
167 N-Nitrosodiphenylamine	169	10.592	10.592	0.0	98	581617	86.4	
168 1,2-Diphenylhydrazine	77	10.635	10.635	0.0	91	726176	87.1	
176 4-Bromophenyl phenyl ether	248	11.004	11.004	0.0	91	280678	86.9	
177 Hexachlorobenzene	284	11.089	11.089	0.0	89	305168	87.9	
181 Pentachlorophenol	266	11.308	11.308	0.0	86	160490	73.9	
185 Phenanthrene	178	11.511	11.511	0.0	95	1235748	81.6	
188 Anthracene	178	11.559	11.559	0.0	96	1263784	83.8	
189 Carbazole	167	11.735	11.735	0.0	83	1069812	83.4	
192 Di-n-butyl phthalate	149	12.083	12.083	0.0	100	1378382	86.4	
197 Fluoranthene	202	12.681	12.681	0.0	94	1410893	83.1	
198 Benzidine	184	12.793	12.793	0.0	97	634462	80.8	
199 Pyrene	202	12.889	12.889	0.0	97	1395998	82.3	
205 Butyl benzyl phthalate	149	13.445	13.445	0.0	98	680256	87.9	
203 3,3'-Dimethylbenzidine	212	13.440	13.545	-0.105	96	651302	0	
208 3,3'-Dichlorobenzidine	252	13.915	13.915	0.0	97	577230	85.0	
210 Bis(2-ethylhexyl) phthalate	149	13.931	13.931	0.0	94	875835	86.7	
209 Benzo[a]anthracene	228	13.947	13.947	0.0	87	1361938	80.2	
211 Chrysene	228	13.979	13.979	0.0	90	1272922	80.9	
212 Di-n-octyl phthalate	149	14.455	14.455	0.0	99	1359589	91.4	
213 Benzo[b]fluoranthene	252	14.871	14.871	0.0	90	1425982	85.8	
214 Benzo[k]fluoranthene	252	14.893	14.893	0.0	96	1350795	79.7	
217 Benzo[a]pyrene	252	15.171	15.171	0.0	99	1140603	82.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
220 Dibenz(a,h)anthracene	278	16.335	16.335	0.0	59	1270128	81.1	
219 Indeno[1,2,3-cd]pyrene	276	16.335	16.335	0.0	88	1452519	80.5	
221 Benzo[g,h,i]perylene	276	16.656	16.656	0.0	90	1079839	81.6	
S 78 3-Methylphenol	1				0		84.1	
S 77 3 & 4 Methylphenol	108				0		84.1	
S 222 Total Cresols	1				0		165.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4499.D

Injection Date: 23-Sep-2011 12:56:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 2

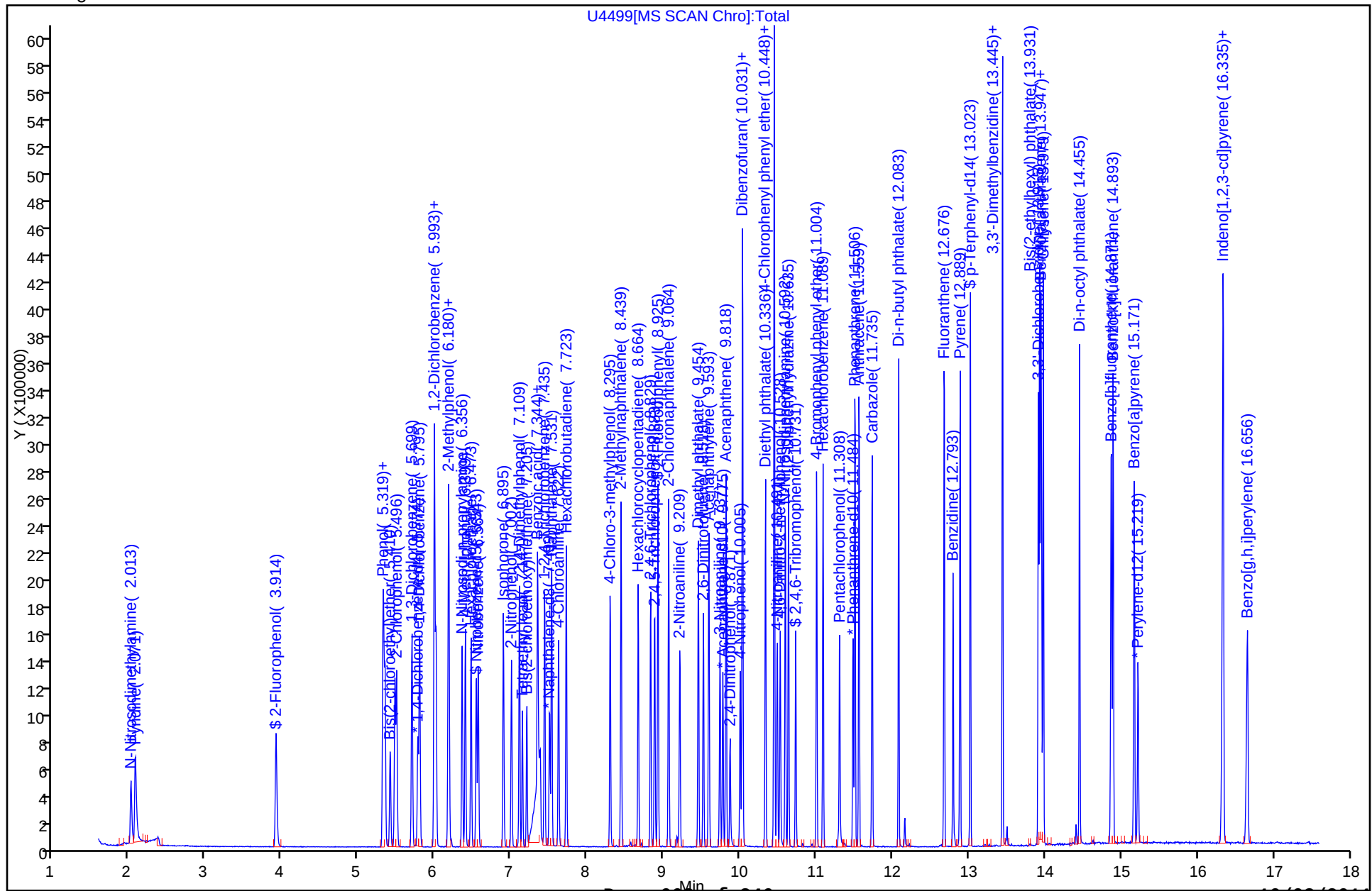
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

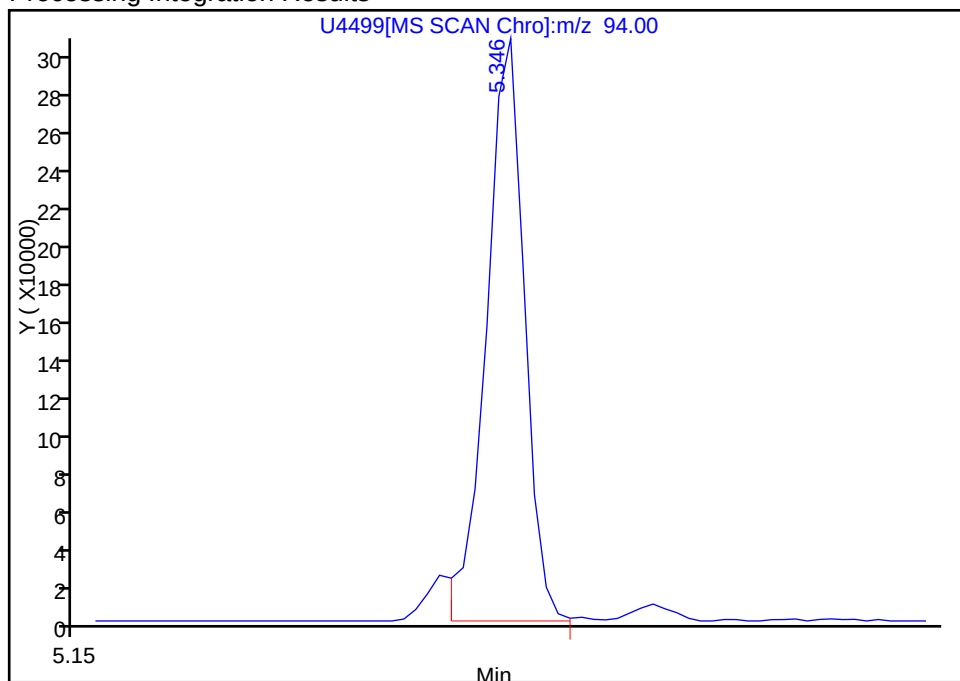


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Injection Date:	23-Sep-2011 12:56:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	32612	Lims Sample ID:	2
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

89 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 5.35

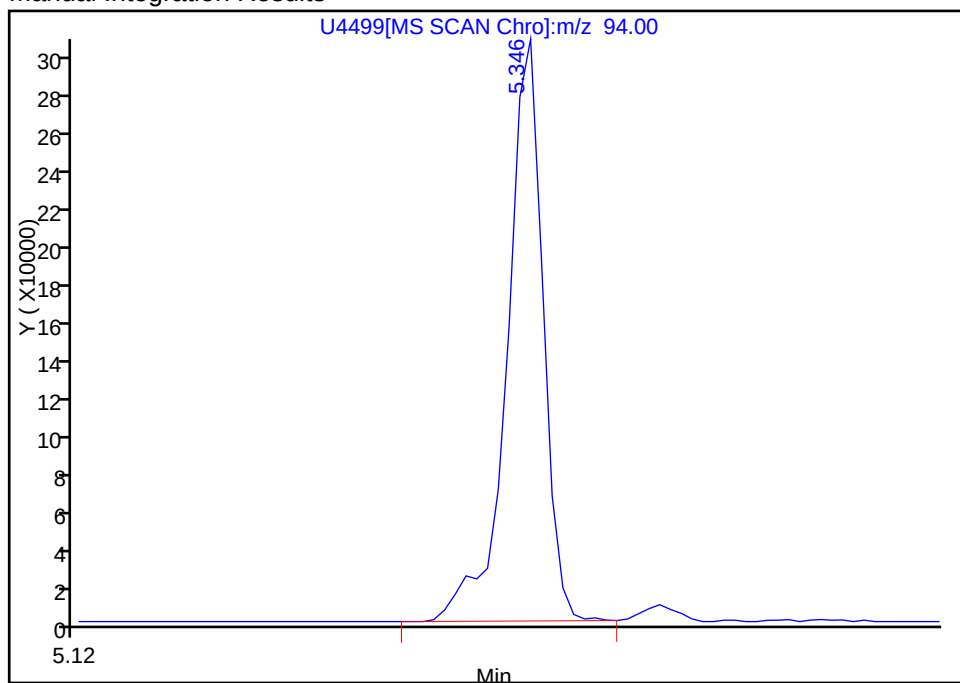
RT: 5.35
Response: 360990
Amount: 77.766697

Processing Integration Results



RT: 5.35
Response: 374533
Amount: 80.684214

Manual Integration Results



Reviewer: mckernar, 23-Sep-2011 13:18:23

Audit Action: Manually Integrated

Audit Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Lab Sample ID: CCV 480-32612/3 Calibration Date: 09/23/2011 13:20
Instrument ID: HP5973U Calib Start Date: 09/14/2011 17:22
GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/14/2011 19:20
Lab File ID: U4500.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	0.8538	0.8644	0.0100	50600	50000	1.2	40.0
Acetophenone	Ave	1.842	1.879	0.0100	51000	50000	2.0	40.0
Caprolactam	Ave	0.0722	0.0901	0.0100	60400	50000	24.8	40.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6018	0.5974	0.0100	49600	50000	-0.7	40.0
Biphenyl	Ave	1.531	1.528	0.0100	49900	50000	-0.2	40.0
2,3,4,6-Tetrachlorophenol	Lin1		0.3586	0.0100	50500	50000	1.0	40.0
Atrazine	Ave	0.4044	0.4297	0.0100	53100	50000	6.3	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4500.D
 Lims ID: CCV - TADDS Client ID:
 Inject. Date: 23-Sep-2011 13:20:30 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 480-0006193-003
 Misc. Info.: CCV - TADDS
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 32612 Lims Sample ID: 3
 Sublist: chrom-U-8270*sub4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U-8270.m
 Last Update: 23-Sep-2011 14:24:39 Calib Date: 14-Sep-2011 21:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 23-Sep-2011 14:24:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.773	5.773	0.0	95	118012	40.0	
* 2 Naphthalene-d8	136	7.499	7.499	0.0	98	448338	40.0	
* 3 Acenaphthene-d10	164	9.775	9.775	0.0	96	285976	40.0	
* 4 Phenanthrene-d10	188	11.479	11.479	0.0	97	528000	40.0	
* 5 Chrysene-d12	240	13.952	13.952	0.0	96	568600	40.0	
* 6 Perylene-d12	264	15.219	15.219	0.0	97	542399	40.0	
88 Benzaldehyde	77	5.148	5.148	0.0	76	127512	50.6	
104 Acetophenone	105	6.340	6.340	0.0	93	277198	51.0	
127 Caprolactam	113	8.033	8.033	0.0	51	50476	60.4	
138 1,2,4,5-Tetrachlorobenzene	216	8.669	8.669	0.0	98	213567	49.6	
144 1,1'-Biphenyl	154	9.048	9.048	0.0	94	546340	49.9	
158 2,3,4,6-Tetrachlorophenol	232	10.202	10.202	0.0	93	128203	50.5	
180 Atrazine	200	11.196	11.196	0.0	91	153590	53.1	

Report Date: 23-Sep-2011 14:24:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4500.D

Injection Date: 23-Sep-2011 13:20:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 3

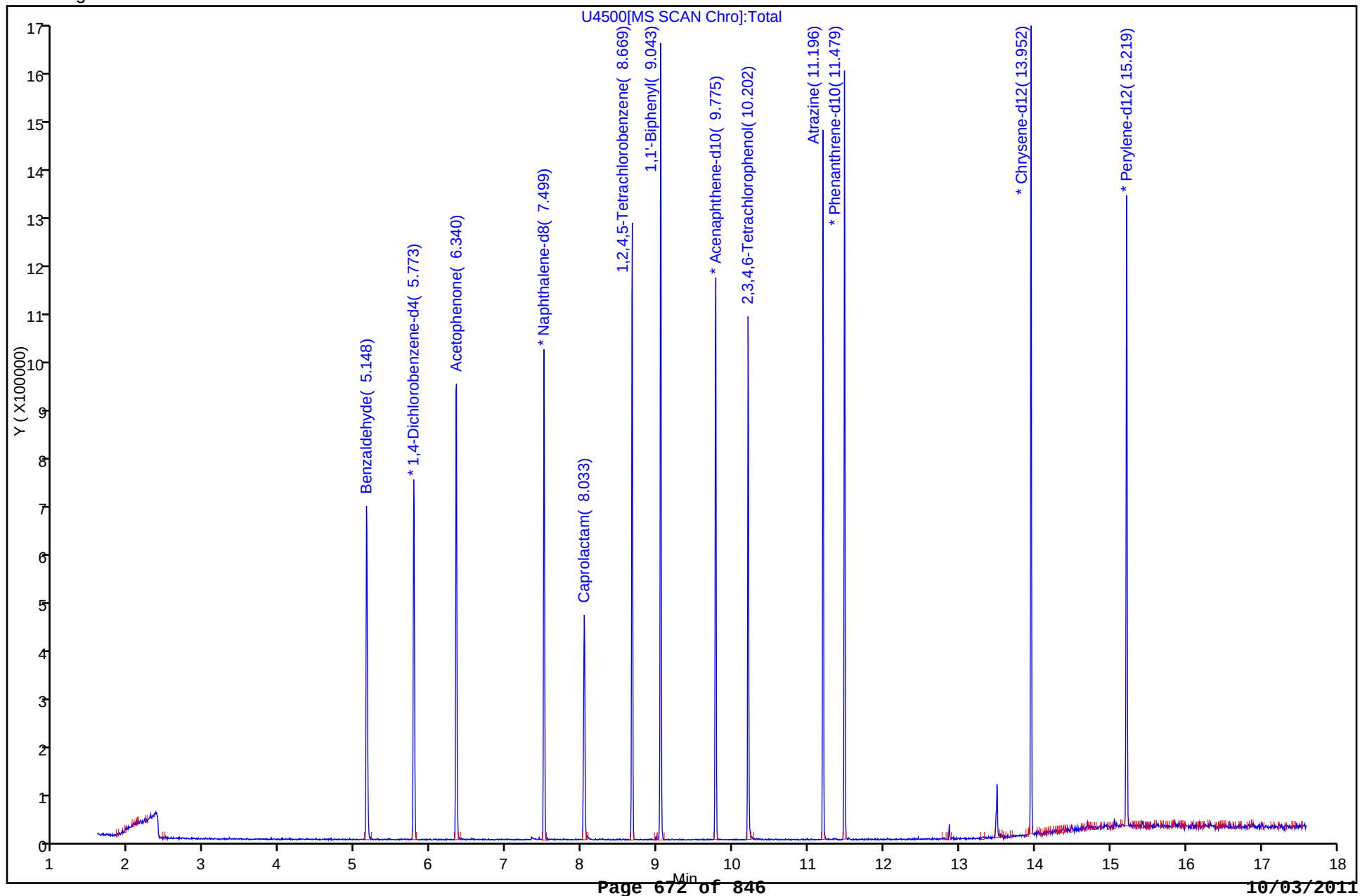
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Lab Sample ID: CCVIS 480-32845/2 Calibration Date: 09/26/2011 14:12
Instrument ID: HP5973U Calib Start Date: 07/29/2011 16:11
GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 07/29/2011 18:08
Lab File ID: U4527.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dimethylbenzidine	Ave	0.6574	0.5631	0.0100		80000	-14.3	100.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4527.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 26-Sep-2011 14:12:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: 480-0006230-002
 Misc. Info.: CCVIS
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 32845 Lims Sample ID: 2
 Sublist: chrom-U-8270*sub11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U-8270.m
 Last Update: 26-Sep-2011 14:45:41 Calib Date: 14-Sep-2011 21:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 26-Sep-2011 14:45:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.768	5.768	0.0	92	127829	40.0	
* 2 Naphthalene-d8	136	7.499	7.499	0.0	98	481557	40.0	
* 3 Acenaphthene-d10	164	9.769	9.769	0.0	96	316447	40.0	
* 4 Phenanthrene-d10	188	11.479	11.479	0.0	97	556154	40.0	
* 5 Chrysene-d12	240	13.952	13.952	0.0	85	539700	40.0	
* 6 Perylene-d12	264	15.218	15.218	0.0	97	532038	40.0	
\$ 9 2-Fluorophenol	112	3.904	3.904	0.0	96	299002	82.7	
\$ 10 Phenol-d5	99	5.319	5.319	0.0	89	367510	84.3	
\$ 11 Nitrobenzene-d5	82	6.537	6.537	0.0	88	381076	84.9	
\$ 12 2-Fluorobiphenyl	172	8.920	8.920	0.0	99	822811	80.5	
\$ 13 2,4,6-Tribromophenol	330	10.731	10.731	0.0	94	146558	88.1	
\$ 14 p-Terphenyl-d14	244	13.017	13.017	0.0	98	1039531	85.8	
81 N-Nitrosodimethylamine	42	2.002	2.002	0.0	57	299996	78.6	
82 Pyridine	52	2.060	2.060	0.0	63	283663	84.5	
90 Aniline	93	5.309	5.309	0.0	88	449304	80.5	
89 Phenol	94	5.335	5.335	0.0	84	400117	83.5	
91 Bis(2-chloroethyl)ether	93	5.405	5.405	0.0	98	269651	83.2	
93 2-Chlorophenol	128	5.490	5.490	0.0	89	351854	83.4	
94 1,3-Dichlorobenzene	146	5.693	5.693	0.0	94	421163	80.4	
95 1,4-Dichlorobenzene	146	5.795	5.795	0.0	81	430216	81.2	
96 Benzyl alcohol	108	5.987	5.987	0.0	75	239157	88.6	
97 1,2-Dichlorobenzene	146	6.008	6.008	0.0	92	407009	83.0	
98 2-Methylphenol	108	6.174	6.174	0.0	83	302647	85.8	
99 2,2'-oxybis[1-chloropropane]	45	6.174	6.174	0.0	77	623133	84.2	
101 N-Nitrosodi-n-propylamine	70	6.350	6.350	0.0	93	223958	87.8	
102 4-Methylphenol	108	6.393	6.393	0.0	90	311970	86.2	
106 Hexachloroethane	117	6.468	6.468	0.0	87	168545	83.8	
107 Nitrobenzene	77	6.564	6.564	0.0	96	366508	79.7	
110 Isophorone	82	6.895	6.895	0.0	91	614108	83.0	
111 2-Nitrophenol	139	6.997	6.997	0.0	85	193304	82.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.104	7.104	0.0	97	390234	81.0	
113 Tetraethyl lead	237	7.141	7.141	0.0	87	200496	72.4	
115 Bis(2-chloroethoxy)methane	93	7.200	7.200	0.0	96	309481	82.5	
117 2,4-Dichlorophenol	162	7.339	7.339	0.0	95	308057	80.6	
119 Benzoic acid	105	7.371	7.371	0.0	90	782156	259.1	
120 1,2,4-Trichlorobenzene	180	7.435	7.435	0.0	94	355146	80.0	
121 Naphthalene	128	7.526	7.526	0.0	96	978932	80.2	
123 4-Chloroaniline	127	7.616	7.616	0.0	83	406038	82.0	
126 Hexachlorobutadiene	225	7.718	7.718	0.0	95	268099	75.9	
131 4-Chloro-3-methylphenol	107	8.290	8.290	0.0	95	326875	81.5	
133 2-Methylnaphthalene	142	8.439	8.439	0.0	88	709156	80.0	
136 Hexachlorocyclopentadiene	237	8.663	8.663	0.0	95	278408	70.8	
139 2,4,6-Trichlorophenol	196	8.824	8.824	0.0	96	244923	82.4	
140 2,4,5-Trichlorophenol	196	8.877	8.877	0.0	97	260198	82.3	
143 2-Chloronaphthalene	162	9.059	9.059	0.0	99	703262	81.1	
145 2-Nitroaniline	65	9.208	9.208	0.0	77	226213	85.9	
147 Dimethyl phthalate	163	9.449	9.449	0.0	97	863883	80.4	
148 2,6-Dinitrotoluene	165	9.518	9.518	0.0	85	187915	85.8	
149 Acenaphthylene	152	9.588	9.588	0.0	92	1081689	82.7	
150 3-Nitroaniline	138	9.732	9.732	0.0	88	198888	84.8	
151 Acenaphthene	153	9.812	9.812	0.0	91	692242	81.6	
152 2,4-Dinitrophenol	184	9.866	9.866	0.0	73	112485	87.6	
153 4-Nitrophenol	109	9.999	9.999	0.0	88	205675	70.9	
155 Dibenzofuran	168	10.031	10.031	0.0	82	1059689	78.7	
154 2,4-Dinitrotoluene	165	10.031	10.031	0.0	50	278425	82.8	
160 Diethyl phthalate	149	10.330	10.330	0.0	96	875632	79.2	
161 Fluorene	166	10.442	10.442	0.0	83	876064	79.4	
162 4-Chlorophenyl phenyl ether	204	10.448	10.448	0.0	82	461319	78.3	
164 4-Nitroaniline	138	10.485	10.485	0.0	62	201958	85.0	
166 4,6-Dinitro-2-methylphenol	198	10.528	10.528	0.0	80	171776	78.8	
167 N-Nitrosodiphenylamine	169	10.592	10.592	0.0	96	588894	85.2	
168 1,2-Diphenylhydrazine	77	10.635	10.635	0.0	90	720175	79.5	
176 4-Bromophenyl phenyl ether	248	11.003	11.003	0.0	95	282863	85.2	
177 Hexachlorobenzene	284	11.089	11.089	0.0	93	304426	85.4	
181 Pentachlorophenol	266	11.303	11.303	0.0	85	166595	74.6	
185 Phenanthrene	178	11.506	11.506	0.0	95	1276562	82.1	
188 Anthracene	178	11.559	11.559	0.0	96	1280812	82.7	
189 Carbazole	167	11.730	11.730	0.0	83	1100631	83.6	
192 Di-n-butyl phthalate	149	12.077	12.077	0.0	99	1370115	83.6	
197 Fluoranthene	202	12.676	12.676	0.0	95	1377925	79.0	
198 Benzidine	184	12.793	12.793	0.0	97	620595	84.1	
199 Pyrene	202	12.884	12.884	0.0	98	1401284	88.0	
205 Butyl benzyl phthalate	149	13.439	13.439	0.0	97	666271	91.7	
203 3,3'-Dimethylbenzidine	212	13.439	13.545	-0.106	91	626350	0	
208 3,3'-Dichlorobenzidine	252	13.910	13.910	0.0	97	529958	83.1	
210 Bis(2-ethylhexyl) phthalate	149	13.926	13.926	0.0	95	851231	89.7	
209 Benzo[a]anthracene	228	13.942	13.942	0.0	88	1302499	81.7	
211 Chrysene	228	13.979	13.979	0.0	89	1250655	84.6	
212 Di-n-octyl phthalate	149	14.449	14.449	0.0	99	1296656	92.9	
213 Benzo[b]fluoranthene	252	14.866	14.866	0.0	91	1266276	77.9	
214 Benzo[k]fluoranthene	252	14.893	14.893	0.0	97	1392942	84.0	
217 Benzo[a]pyrene	252	15.170	15.170	0.0	100	1101921	81.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.335	16.335	0.0	87	1506163	85.3	
220 Dibenz(a,h)anthracene	278	16.335	16.335	0.0	58	1281030	83.6	
221 Benzo[g,h,i]perylene	276	16.655	16.655	0.0	89	1165027	90.0	
S 222 Total Cresols	1				0		172.1	
S 77 3 & 4 Methylphenol	108				0		86.2	
S 78 3-Methylphenol	1				0		86.2	

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4527.D

Injection Date: 26-Sep-2011 14:12:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 2

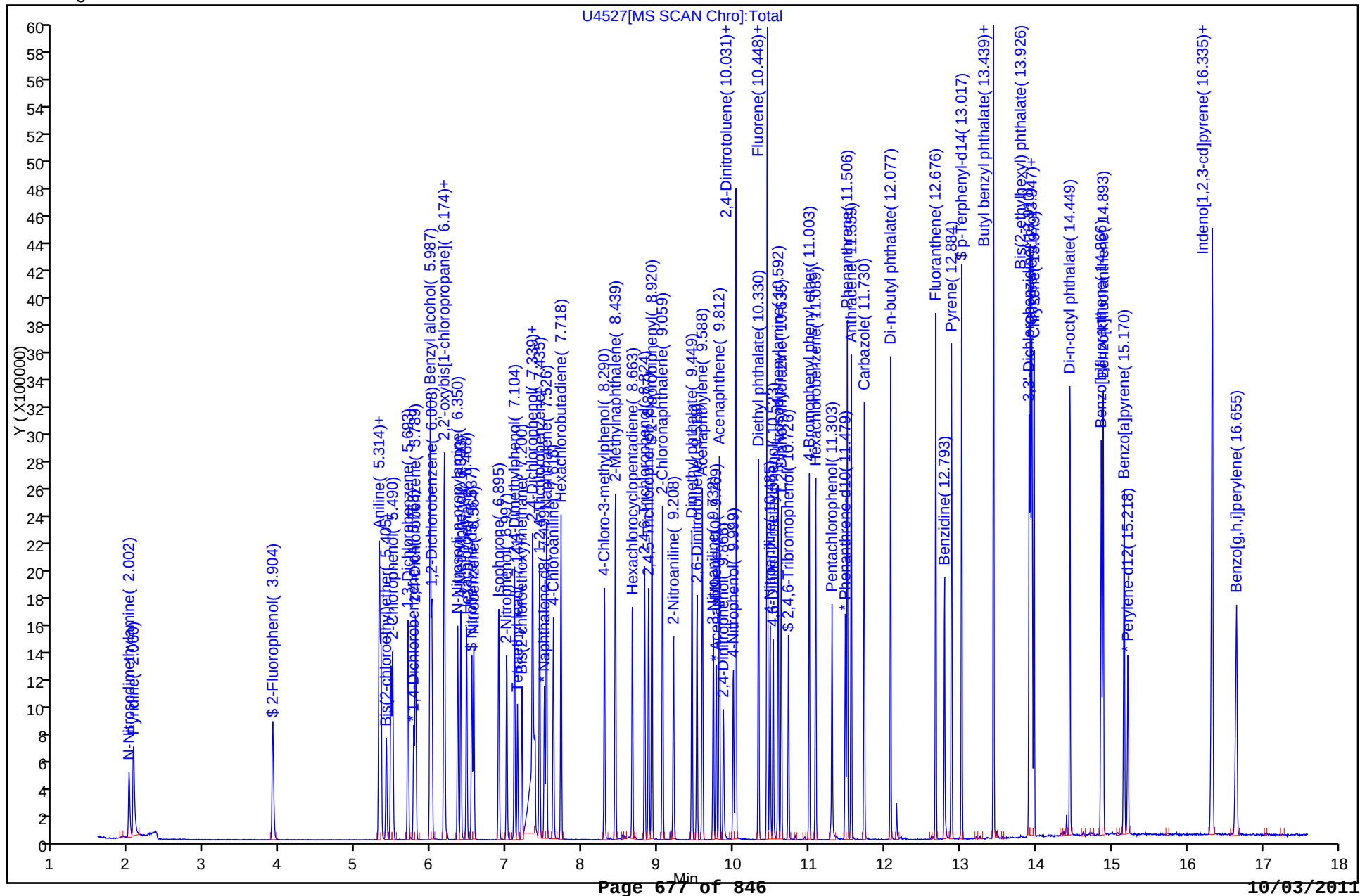
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Lab Sample ID: CCVIS 480-32845/2 Calibration Date: 09/26/2011 14:12

Instrument ID: HP5973U Calib Start Date: 09/14/2011 15:02

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/14/2011 16:59

Lab File ID: U4527.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	1.194	1.173	0.0100	78600	80000	-1.7	25.0
Pyridine	Ave	1.050	1.110	0.0100	84500	80000	5.6	100.0
Aniline	Ave	1.747	1.757	0.0100	80500	80000	0.6	100.0
Phenol	Ave	1.500	1.565	0.0100	83500	80000	4.4	20.0
Bis(2-chloroethyl)ether	Ave	1.014	1.055	0.0100	83200	80000	4.0	25.0
2-Chlorophenol	Ave	1.320	1.376	0.0100	83400	80000	4.3	25.0
1,3-Dichlorobenzene	Ave	1.639	1.647	0.0100	80400	80000	0.5	25.0
1,4-Dichlorobenzene	Ave	1.658	1.683	0.0100	81200	80000	1.5	20.0
Benzyl alcohol	Ave	0.8444	0.9355	0.0100	88600	80000	10.8	100.0
1,2-Dichlorobenzene	Ave	1.535	1.592	0.0100	83000	80000	3.7	25.0
2-Methylphenol	Ave	1.103	1.184	0.0100	85800	80000	7.3	25.0
bis (2-chloroisopropyl) ether	Ave	2.315	2.437	0.0100	84200	80000	5.3	25.0
N-Nitrosodi-n-propylamine	Ave	0.7978	0.8760	0.0500	87800	80000	9.8	25.0
4-Methylphenol	Ave	1.132	1.220	0.0100	86200	80000	7.8	25.0
Hexachloroethane	Ave	0.6297	0.6593	0.0100	83800	80000	4.7	25.0
Nitrobenzene	Ave	0.3819	0.3805	0.0100	79700	80000	-0.4	25.0
Isophorone	Ave	0.6145	0.6376	0.0100	83000	80000	3.8	25.0
2-Nitrophenol	Ave	0.1939	0.2007	0.0100	82800	80000	3.5	20.0
2,4-Dimethylphenol	Ave	0.4000	0.4052	0.0100	81000	80000	1.3	25.0
Tetraethyl lead	Ave	0.2300	0.2082	0.0100	72400	80000	-9.5	40.0
Bis(2-chloroethoxy)methane	Ave	0.3117	0.3213	0.0100	82500	80000	3.1	25.0
2,4-Dichlorophenol	Ave	0.3175	0.3199	0.0100	80600	80000	0.7	20.0
Benzoic acid	Ave	0.2508	0.2707	0.0100	259000	240000	7.9	25.0
1,2,4-Trichlorobenzene	Ave	0.3686	0.3688	0.0100	80000	80000	0.0	25.0
Naphthalene	Ave	1.013	1.016	0.0100	80200	80000	0.3	25.0
4-Chloroaniline	Ave	0.4112	0.4216	0.0100	82000	80000	2.5	25.0
Hexachlorobutadiene	Ave	0.2932	0.2784	0.0100	75900	80000	-5.1	20.0
4-Chloro-3-methylphenol	Ave	0.3333	0.3394	0.0100	81500	80000	1.8	20.0
2-Methylnaphthalene	Ave	0.7365	0.7363	0.0100	80000	80000	-0.0	25.0
Hexachlorocyclopentadiene	Lin1		0.4399	0.0500	70800	80000	-11.5	25.0
2,4,6-Trichlorophenol	Ave	0.3757	0.3870	0.0100	82400	80000	3.0	20.0
2,4,5-Trichlorophenol	Ave	0.3997	0.4111	0.0100	82300	80000	2.9	25.0
2-Chloronaphthalene	Ave	1.097	1.111	0.0100	81100	80000	1.3	25.0
2-Nitroaniline	Ave	0.3330	0.3574	0.0100	85900	80000	7.3	25.0
Dimethyl phthalate	Ave	1.359	1.365	0.0100	80400	80000	0.5	25.0
2,6-Dinitrotoluene	Ave	0.2769	0.2969	0.0100	85800	80000	7.2	25.0
Acenaphthylene	Ave	1.653	1.709	0.0100	82700	80000	3.4	25.0
3-Nitroaniline	Ave	0.2963	0.3143	0.0100	84800	80000	6.0	25.0
Acenaphthene	Ave	1.073	1.094	0.0100	81600	80000	1.9	20.0
2,4-Dinitrophenol	Lin1		0.1777	0.0500	87600	80000	9.5	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Lab Sample ID: CCVIS 480-32845/2 Calibration Date: 09/26/2011 14:12

Instrument ID: HP5973U Calib Start Date: 09/14/2011 15:02

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/14/2011 16:59

Lab File ID: U4527.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitrophenol	Lin1		0.3250	0.0500	70900	80000	-11.4	25.0
2,4-Dinitrotoluene	Ave	0.4252	0.4399	0.0100	82800	80000	3.5	25.0
Dibenzofuran	Ave	1.702	1.674	0.0100	78700	80000	-1.6	25.0
Diethyl phthalate	Ave	1.397	1.384	0.0100	79200	80000	-1.0	25.0
Fluorene	Ave	1.394	1.384	0.0100	79400	80000	-0.7	25.0
4-Chlorophenyl phenyl ether	Ave	0.7444	0.7289	0.0100	78300	80000	-2.1	25.0
4-Nitroaniline	Ave	0.3003	0.3191	0.0100	85000	80000	6.3	25.0
4,6-Dinitro-2-methylphenol	Lin1		0.1544	0.0100	78800	80000	-1.5	25.0
N-Nitrosodiphenylamine	Ave	0.4971	0.5294	0.0100	85200	80000	6.5	20.0
1,2-Diphenylhydrazine	Ave	1.145	1.138	0.0100	79500	80000	-0.6	25.0
4-Bromophenyl phenyl ether	Ave	0.2387	0.2543	0.0100	85200	80000	6.6	25.0
Hexachlorobenzene	Ave	0.2563	0.2737	0.0100	85400	80000	6.8	25.0
Pentachlorophenol	Lin1		0.1498	0.0100	74600	80000	-6.8	20.0
Phenanthrene	Ave	1.118	1.148	0.0100	82100	80000	2.6	25.0
Anthracene	Ave	1.114	1.151	0.0100	82700	80000	3.4	25.0
Carbazole	Ave	0.9471	0.9895	0.0100	83600	80000	4.5	25.0
Di-n-butyl phthalate	Ave	1.179	1.232	0.0100	83600	80000	4.5	25.0
Fluoranthene	Ave	1.255	1.239	0.0100	79000	80000	-1.3	20.0
Benzidine	Ave	0.5467	0.5749	0.0100	84100	80000	5.2	25.0
Pyrene	Ave	1.181	1.298	0.0100	88000	80000	9.9	25.0
Butyl benzyl phthalate	Ave	0.5384	0.6173	0.0100	91700	80000	14.6	25.0
3,3'-Dichlorobenzidine	Ave	0.4726	0.4910	0.0100	83100	80000	3.9	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.7033	0.7886	0.0100	89700	80000	12.1	25.0
Benzo(a)anthracene	Ave	1.181	1.207	0.0100	81700	80000	2.1	25.0
Chrysene	Ave	1.095	1.159	0.0100	84600	80000	5.8	25.0
Di-n-octyl phthalate	Ave	1.035	1.201	0.0100	92900	80000	16.1	20.0
Benzo(b)fluoranthene	Ave	1.222	1.190	0.0100	77900	80000	-2.6	25.0
Benzo(k)fluoranthene	Ave	1.247	1.309	0.0100	84000	80000	5.0	25.0
Benzo(a)pyrene	Ave	1.016	1.036	0.0100	81600	80000	1.9	20.0
Dibenz(a,h)anthracene	Ave	1.152	1.204	0.0100	83600	80000	4.5	25.0
Indeno(1,2,3-cd)pyrene	Ave	1.327	1.415	0.0100	85300	80000	6.7	25.0
Benzo(g,h,i)perylene	Ave	0.9735	1.095	0.0100	90000	80000	12.5	25.0
2-Fluorophenol	Ave	1.131	1.170	0.0100	82700	80000	3.4	25.0
Phenol-d5	Ave	1.364	1.438	0.0100	84300	80000	5.4	25.0
Nitrobenzene-d5	Ave	0.3727	0.3957	0.0100	84900	80000	6.2	25.0
2-Fluorobiphenyl	Ave	1.292	1.300	0.0100	80500	80000	0.6	25.0
2,4,6-Tribromophenol	Ave	0.1196	0.1318	0.0100	88100	80000	10.1	25.0
p-Terphenyl-d14	Ave	0.8983	0.9631	0.0100	85800	80000	7.2	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4527.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 26-Sep-2011 14:12:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: 480-0006230-002
 Misc. Info.: CCVIS
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 32845 Lims Sample ID: 2
 Sublist: chrom-U-8270*sub11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U-8270.m
 Last Update: 26-Sep-2011 14:45:41 Calib Date: 14-Sep-2011 21:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 26-Sep-2011 14:45:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.768	5.768	0.0	92	127829	40.0	
* 2 Naphthalene-d8	136	7.499	7.499	0.0	98	481557	40.0	
* 3 Acenaphthene-d10	164	9.769	9.769	0.0	96	316447	40.0	
* 4 Phenanthrene-d10	188	11.479	11.479	0.0	97	556154	40.0	
* 5 Chrysene-d12	240	13.952	13.952	0.0	85	539700	40.0	
* 6 Perylene-d12	264	15.218	15.218	0.0	97	532038	40.0	
\$ 9 2-Fluorophenol	112	3.904	3.904	0.0	96	299002	82.7	
\$ 10 Phenol-d5	99	5.319	5.319	0.0	89	367510	84.3	
\$ 11 Nitrobenzene-d5	82	6.537	6.537	0.0	88	381076	84.9	
\$ 12 2-Fluorobiphenyl	172	8.920	8.920	0.0	99	822811	80.5	
\$ 13 2,4,6-Tribromophenol	330	10.731	10.731	0.0	94	146558	88.1	
\$ 14 p-Terphenyl-d14	244	13.017	13.017	0.0	98	1039531	85.8	
81 N-Nitrosodimethylamine	42	2.002	2.002	0.0	57	299996	78.6	
82 Pyridine	52	2.060	2.060	0.0	63	283663	84.5	
90 Aniline	93	5.309	5.309	0.0	88	449304	80.5	
89 Phenol	94	5.335	5.335	0.0	84	400117	83.5	
91 Bis(2-chloroethyl)ether	93	5.405	5.405	0.0	98	269651	83.2	
93 2-Chlorophenol	128	5.490	5.490	0.0	89	351854	83.4	
94 1,3-Dichlorobenzene	146	5.693	5.693	0.0	94	421163	80.4	
95 1,4-Dichlorobenzene	146	5.795	5.795	0.0	81	430216	81.2	
96 Benzyl alcohol	108	5.987	5.987	0.0	75	239157	88.6	
97 1,2-Dichlorobenzene	146	6.008	6.008	0.0	92	407009	83.0	
98 2-Methylphenol	108	6.174	6.174	0.0	83	302647	85.8	
99 2,2'-oxybis[1-chloropropane]	45	6.174	6.174	0.0	77	623133	84.2	
101 N-Nitrosodi-n-propylamine	70	6.350	6.350	0.0	93	223958	87.8	
102 4-Methylphenol	108	6.393	6.393	0.0	90	311970	86.2	
106 Hexachloroethane	117	6.468	6.468	0.0	87	168545	83.8	
107 Nitrobenzene	77	6.564	6.564	0.0	96	366508	79.7	
110 Isophorone	82	6.895	6.895	0.0	91	614108	83.0	
111 2-Nitrophenol	139	6.997	6.997	0.0	85	193304	82.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.104	7.104	0.0	97	390234	81.0	
113 Tetraethyl lead	237	7.141	7.141	0.0	87	200496	72.4	
115 Bis(2-chloroethoxy)methane	93	7.200	7.200	0.0	96	309481	82.5	
117 2,4-Dichlorophenol	162	7.339	7.339	0.0	95	308057	80.6	
119 Benzoic acid	105	7.371	7.371	0.0	90	782156	259.1	
120 1,2,4-Trichlorobenzene	180	7.435	7.435	0.0	94	355146	80.0	
121 Naphthalene	128	7.526	7.526	0.0	96	978932	80.2	
123 4-Chloroaniline	127	7.616	7.616	0.0	83	406038	82.0	
126 Hexachlorobutadiene	225	7.718	7.718	0.0	95	268099	75.9	
131 4-Chloro-3-methylphenol	107	8.290	8.290	0.0	95	326875	81.5	
133 2-Methylnaphthalene	142	8.439	8.439	0.0	88	709156	80.0	
136 Hexachlorocyclopentadiene	237	8.663	8.663	0.0	95	278408	70.8	
139 2,4,6-Trichlorophenol	196	8.824	8.824	0.0	96	244923	82.4	
140 2,4,5-Trichlorophenol	196	8.877	8.877	0.0	97	260198	82.3	
143 2-Chloronaphthalene	162	9.059	9.059	0.0	99	703262	81.1	
145 2-Nitroaniline	65	9.208	9.208	0.0	77	226213	85.9	
147 Dimethyl phthalate	163	9.449	9.449	0.0	97	863883	80.4	
148 2,6-Dinitrotoluene	165	9.518	9.518	0.0	85	187915	85.8	
149 Acenaphthylene	152	9.588	9.588	0.0	92	1081689	82.7	
150 3-Nitroaniline	138	9.732	9.732	0.0	88	198888	84.8	
151 Acenaphthene	153	9.812	9.812	0.0	91	692242	81.6	
152 2,4-Dinitrophenol	184	9.866	9.866	0.0	73	112485	87.6	
153 4-Nitrophenol	109	9.999	9.999	0.0	88	205675	70.9	
155 Dibenzofuran	168	10.031	10.031	0.0	82	1059689	78.7	
154 2,4-Dinitrotoluene	165	10.031	10.031	0.0	50	278425	82.8	
160 Diethyl phthalate	149	10.330	10.330	0.0	96	875632	79.2	
161 Fluorene	166	10.442	10.442	0.0	83	876064	79.4	
162 4-Chlorophenyl phenyl ether	204	10.448	10.448	0.0	82	461319	78.3	
164 4-Nitroaniline	138	10.485	10.485	0.0	62	201958	85.0	
166 4,6-Dinitro-2-methylphenol	198	10.528	10.528	0.0	80	171776	78.8	
167 N-Nitrosodiphenylamine	169	10.592	10.592	0.0	96	588894	85.2	
168 1,2-Diphenylhydrazine	77	10.635	10.635	0.0	90	720175	79.5	
176 4-Bromophenyl phenyl ether	248	11.003	11.003	0.0	95	282863	85.2	
177 Hexachlorobenzene	284	11.089	11.089	0.0	93	304426	85.4	
181 Pentachlorophenol	266	11.303	11.303	0.0	85	166595	74.6	
185 Phenanthrene	178	11.506	11.506	0.0	95	1276562	82.1	
188 Anthracene	178	11.559	11.559	0.0	96	1280812	82.7	
189 Carbazole	167	11.730	11.730	0.0	83	1100631	83.6	
192 Di-n-butyl phthalate	149	12.077	12.077	0.0	99	1370115	83.6	
197 Fluoranthene	202	12.676	12.676	0.0	95	1377925	79.0	
198 Benzidine	184	12.793	12.793	0.0	97	620595	84.1	
199 Pyrene	202	12.884	12.884	0.0	98	1401284	88.0	
205 Butyl benzyl phthalate	149	13.439	13.439	0.0	97	666271	91.7	
203 3,3'-Dimethylbenzidine	212	13.439	13.545	-0.106	91	626350	0	
208 3,3'-Dichlorobenzidine	252	13.910	13.910	0.0	97	529958	83.1	
210 Bis(2-ethylhexyl) phthalate	149	13.926	13.926	0.0	95	851231	89.7	
209 Benzo[a]anthracene	228	13.942	13.942	0.0	88	1302499	81.7	
211 Chrysene	228	13.979	13.979	0.0	89	1250655	84.6	
212 Di-n-octyl phthalate	149	14.449	14.449	0.0	99	1296656	92.9	
213 Benzo[b]fluoranthene	252	14.866	14.866	0.0	91	1266276	77.9	
214 Benzo[k]fluoranthene	252	14.893	14.893	0.0	97	1392942	84.0	
217 Benzo[a]pyrene	252	15.170	15.170	0.0	100	1101921	81.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.335	16.335	0.0	87	1506163	85.3	
220 Dibenz(a,h)anthracene	278	16.335	16.335	0.0	58	1281030	83.6	
221 Benzo[g,h,i]perylene	276	16.655	16.655	0.0	89	1165027	90.0	
S 222 Total Cresols	1				0		172.1	
S 77 3 & 4 Methylphenol	108				0		86.2	
S 78 3-Methylphenol	1				0		86.2	

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4527.D

Injection Date: 26-Sep-2011 14:12:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 2

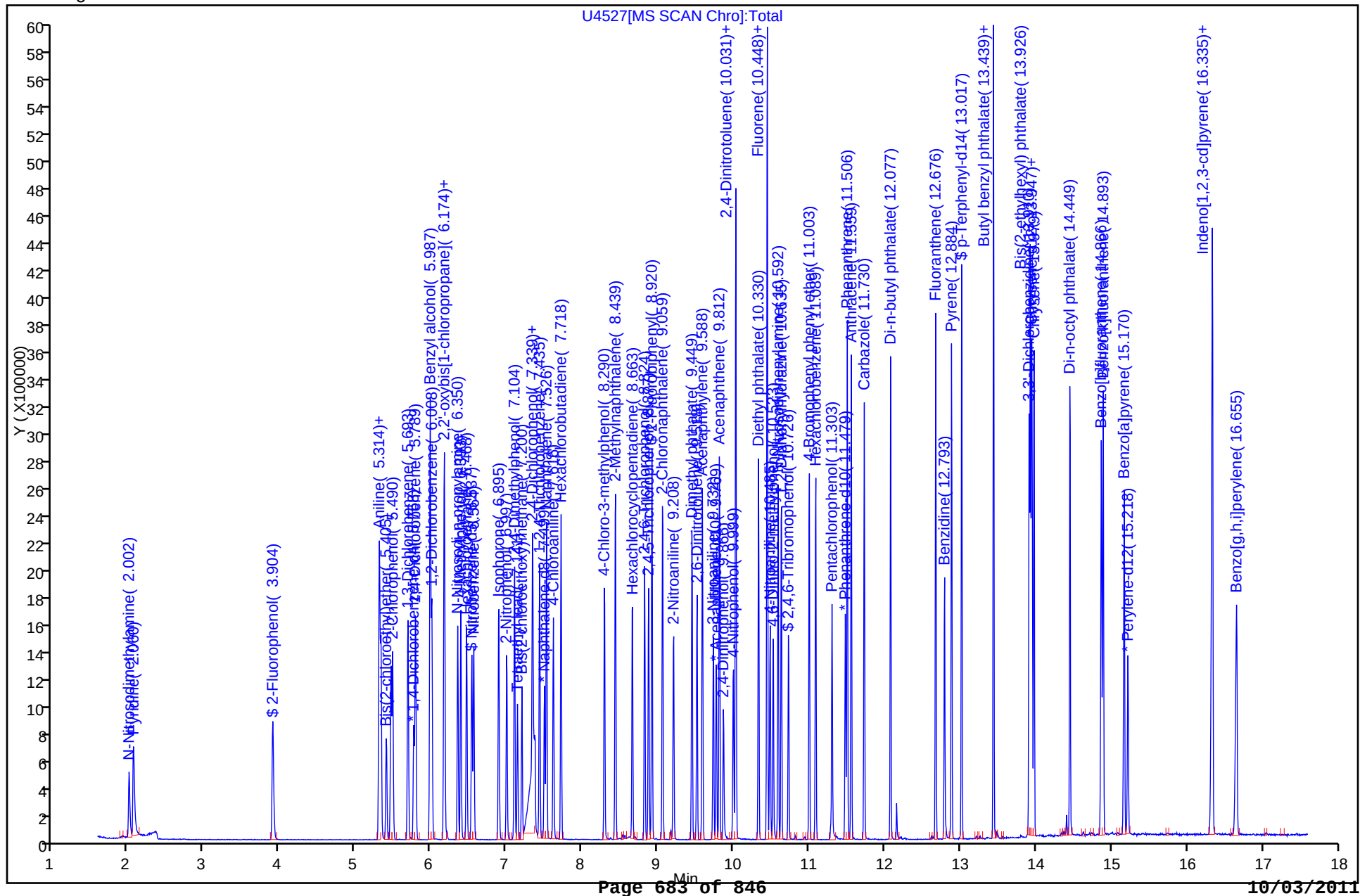
Operator ID: RMM

Injection Vol: 1.00 µl

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Lab Sample ID: CCV 480-32845/3 Calibration Date: 09/26/2011 14:37
Instrument ID: HP5973U Calib Start Date: 09/14/2011 17:22
GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/14/2011 19:20
Lab File ID: U4528.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	0.8538	0.8540	0.0100	50000	50000	0.0	40.0
Acetophenone	Ave	1.842	1.749	0.0100	47500	50000	-5.0	40.0
Caprolactam	Ave	0.0722	0.0965	0.0100	64700	50000	33.6	40.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6018	0.5870	0.0100	48800	50000	-2.5	40.0
Biphenyl	Ave	1.531	1.520	0.0100	49700	50000	-0.7	40.0
2,3,4,6-Tetrachlorophenol	Lin1		0.3190	0.0100	45200	50000	-9.6	40.0
Atrazine	Ave	0.4044	0.4165	0.0100	51500	50000	3.0	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4528.D
 Lims ID: CCV - TADDS Client ID:
 Inject. Date: 26-Sep-2011 14:37:30 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: 480-0006230-003
 Misc. Info.: CCV - TADDS
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 32845 Lims Sample ID: 3
 Sublist: chrom-U-8270*sub4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U-8270.m
 Last Update: 26-Sep-2011 15:53:42 Calib Date: 14-Sep-2011 21:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 26-Sep-2011 15:53:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.774	5.774	0.0	94	148266	40.0	
* 2 Naphthalene-d8	136	7.499	7.499	0.0	99	539579	40.0	
* 3 Acenaphthene-d10	164	9.770	9.770	0.0	97	340866	40.0	
* 4 Phenanthrene-d10	188	11.479	11.479	0.0	96	595387	40.0	
* 5 Chrysene-d12	240	13.947	13.947	0.0	96	632898	40.0	
* 6 Perylene-d12	264	15.219	15.219	0.0	98	576001	40.0	
88 Benzaldehyde	77	5.143	5.143	0.0	76	158277	50.0	
104 Acetophenone	105	6.334	6.334	0.0	93	324219	47.5	
127 Caprolactam	113	8.033	8.033	0.0	57	65076	64.7	
138 1,2,4,5-Tetrachlorobenzene	216	8.664	8.664	0.0	97	250088	48.8	
144 1,1'-Biphenyl	154	9.043	9.043	0.0	95	647855	49.7	
158 2,3,4,6-Tetrachlorophenol	232	10.202	10.202	0.0	96	135907	45.2	
180 Atrazine	200	11.196	11.196	0.0	92	177478	51.5	

Report Date: 26-Sep-2011 15:53:42

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4528.D

Injection Date: 26-Sep-2011 14:37:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 3

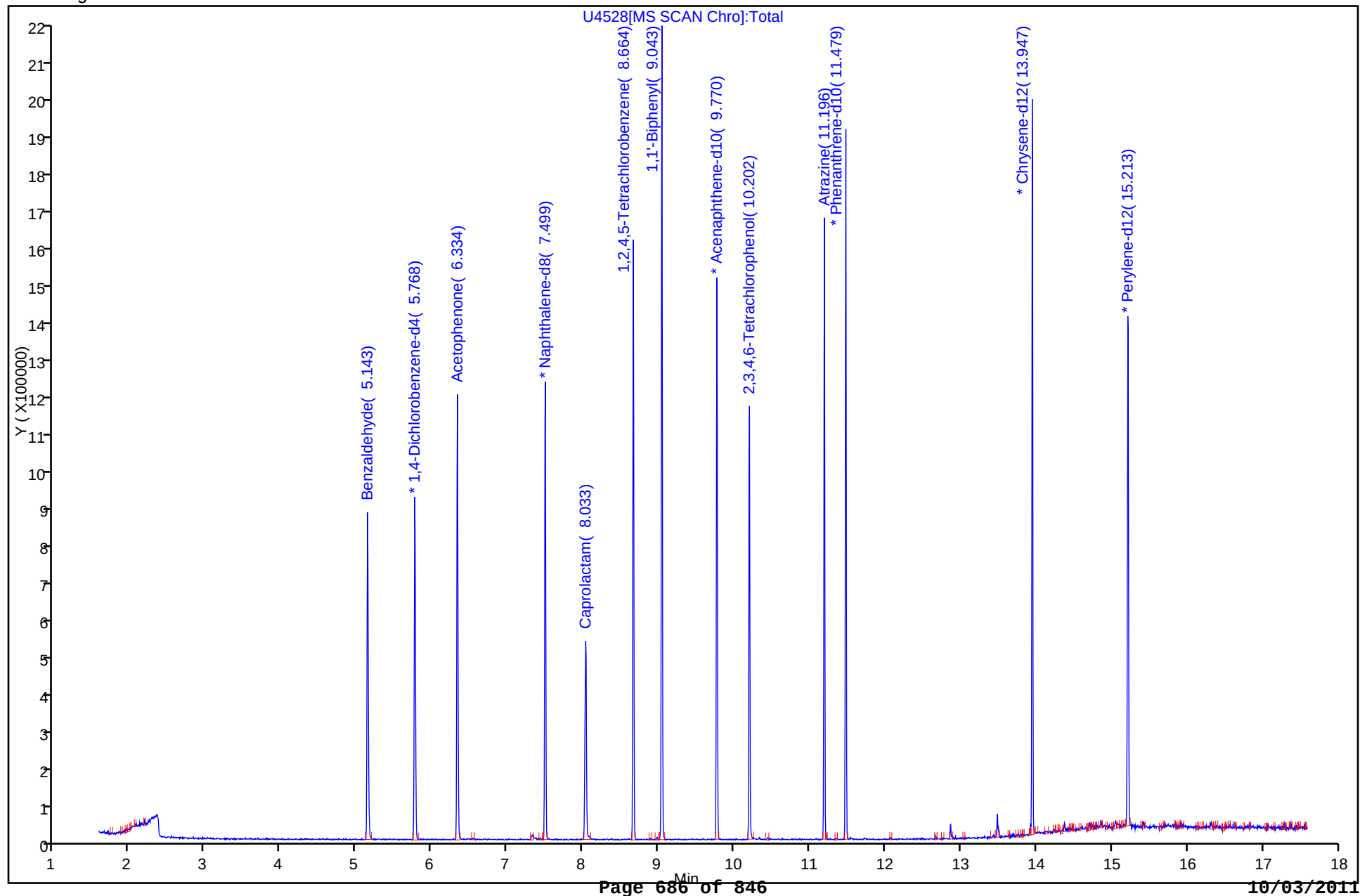
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Lab Sample ID: CCVIS 480-32985/2 Calibration Date: 09/27/2011 11:17
Instrument ID: HP5973X Calib Start Date: 09/02/2011 15:23
GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/02/2011 17:18
Lab File ID: X8403.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dimethylbenzidine	Ave	0.6895		0.0100		50000		100.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8403.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 27-Sep-2011 11:17:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: CCVIS
 Operator: MKP/RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 32985 Lims Sample ID: 2
 Sublist: chrom-X-8270*sub15
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X-8270.m
 Last Update: 27-Sep-2011 13:18:36 Calib Date: 09-Sep-2011 14:37:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7706.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 27-Sep-2011 12:28:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.674	4.674	0.0	97	231513	40.0	
* 2 Naphthalene-d8	136	6.304	6.304	0.0	98	876169	40.0	
* 3 Acenaphthene-d10	164	8.371	8.371	0.0	91	575078	40.0	
* 4 Phenanthrene-d10	188	10.059	10.059	0.0	97	928831	40.0	
* 5 Chrysene-d12	240	12.517	12.517	0.0	97	1006861	40.0	
* 6 Perylene-d12	264	13.623	13.623	0.0	95	1015050	40.0	
\$ 7 2-Fluorophenol	112	2.639	2.639	0.0	90	362146	50.7	
\$ 8 Phenol-d5	99	4.322	4.322	0.0	96	442517	51.7	
\$ 9 Nitrobenzene-d5	82	5.422	5.422	0.0	96	428199	52.1	
\$ 10 2-Fluorobiphenyl	172	7.629	7.629	0.0	99	841917	46.6	
\$ 11 2,4,6-Tribromophenol	330	9.290	9.290	0.0	56	153396	47.2	
\$ 12 p-Terphenyl-d14	244	11.646	11.646	0.0	99	977517	43.7	
55 N-Nitrosodimethylamine	42	1.052	1.052	0.0	69	336878	66.8	
56 Pyridine	52	1.084	1.084	0.0	80	404123	76.0	
64 Aniline	93	4.231	4.231	0.0	94	555679	51.0	
63 Phenol	94	4.343	4.343	0.0	90	506174	53.0	M
66 Bis(2-chloroethyl)ether	93	4.359	4.359	0.0	74	364446	52.2	
67 2-Chlorophenol	128	4.407	4.407	0.0	84	383050	48.6	
69 1,3-Dichlorobenzene	146	4.589	4.589	0.0	92	447505	49.1	
70 1,4-Dichlorobenzene	146	4.696	4.696	0.0	78	444610	47.8	
72 1,2-Dichlorobenzene	146	4.899	4.899	0.0	89	424482	47.8	
71 Benzyl alcohol	108	4.931	4.931	0.0	74	234356	47.6	
74 2,2'-oxybis[1-chloropropane]	45	5.112	5.112	0.0	88	516293	62.5	
73 2-Methylphenol	108	5.144	5.144	0.0	92	321105	48.3	
78 N-Nitrosodi-n-propylamine	70	5.283	5.283	0.0	94	259062	49.7	
81 Hexachloroethane	117	5.331	5.331	0.0	83	182746	52.2	
79 4-Methylphenol	108	5.363	5.363	0.0	90	323898	47.6	
83 Nitrobenzene	77	5.444	5.444	0.0	88	429981	52.6	
86 Isophorone	82	5.769	5.769	0.0	97	724965	51.1	
87 2-Nitrophenol	139	5.855	5.855	0.0	90	199474	46.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
90 Tetraethyl lead	237	6.010	6.010	0.0	62	228645	51.7	
89 2,4-Dimethylphenol	107	6.010	6.010	0.0	97	414351	50.0	
94 Bis(2-chloroethoxy)methane	93	6.090	6.090	0.0	96	393995	49.8	
97 2,4-Dichlorophenol	162	6.186	6.186	0.0	94	342098	48.4	
98 1,2,4-Trichlorobenzene	180	6.256	6.256	0.0	92	365255	46.2	
95 Benzoic acid	105	6.277	6.277	0.0	87	896555	146.4	
99 Naphthalene	128	6.325	6.325	0.0	92	1033604	47.7	
101 4-Chloroaniline	127	6.443	6.443	0.0	82	440816	48.1	
104 Hexachlorobutadiene	225	6.528	6.528	0.0	91	250286	46.8	
110 4-Chloro-3-methylphenol	107	7.105	7.105	0.0	89	349262	48.6	
113 2-Methylnaphthalene	142	7.169	7.169	0.0	88	705851	46.3	
116 Hexachlorocyclopentadiene	237	7.377	7.377	0.0	92	277966	47.8	
118 2,4,6-Trichlorophenol	196	7.543	7.543	0.0	91	262737	46.1	
119 2,4,5-Trichlorophenol	196	7.586	7.586	0.0	92	287873	47.8	
124 2-Chloronaphthalene	162	7.730	7.730	0.0	98	720470	46.6	
125 2-Nitroaniline	65	7.885	7.885	0.0	77	235389	52.6	
128 Dimethyl phthalate	163	8.136	8.136	0.0	96	902087	47.9	
130 2,6-Dinitrotoluene	165	8.184	8.184	0.0	93	192099	47.8	
131 Acenaphthylene	152	8.200	8.200	0.0	87	1074137	46.8	
132 3-Nitroaniline	138	8.371	8.371	0.0	64	193962	45.4	
133 Acenaphthene	153	8.408	8.408	0.0	93	661038	46.9	
134 2,4-Dinitrophenol	184	8.489	8.489	0.0	81	101022	53.9	
138 Dibenzofuran	168	8.611	8.611	0.0	87	1056120	46.3	
137 2,4-Dinitrotoluene	165	8.644	8.644	0.0	73	268265	46.3	
135 4-Nitrophenol	109	8.665	8.665	0.0	42	186399	53.0	
142 Diethyl phthalate	149	8.969	8.969	0.0	96	876618	47.7	
144 Fluorene	166	9.007	9.007	0.0	89	843669	46.6	
145 4-Chlorophenyl phenyl ether	204	9.044	9.044	0.0	94	441368	45.8	
147 4-Nitroaniline	138	9.076	9.076	0.0	45	201996	48.3	
148 4,6-Dinitro-2-methylphenol	198	9.114	9.114	0.0	84	188319	48.7	
149 N-Nitrosodiphenylamine	169	9.188	9.188	0.0	61	586511	47.4	
152 1,2-Diphenylhydrazine	77	9.221	9.221	0.0	96	898611	53.9	
159 4-Bromophenyl phenyl ether	248	9.600	9.600	0.0	63	259603	46.3	
160 Hexachlorobenzene	284	9.648	9.648	0.0	85	279655	45.3	
165 Pentachlorophenol	266	9.894	9.894	0.0	83	175738	47.8	
171 Phenanthrene	178	10.086	10.086	0.0	95	1193283	47.7	
172 Anthracene	178	10.139	10.139	0.0	97	1205067	47.9	
173 Carbazole	167	10.342	10.342	0.0	83	1142470	49.5	
176 Di-n-butyl phthalate	149	10.770	10.770	0.0	100	1415542	49.8	
182 Fluoranthene	202	11.261	11.261	0.0	97	1368818	48.2	
183 Benzidine	184	11.422	11.422	0.0	98	643053	45.7	
185 Pyrene	202	11.459	11.459	0.0	98	1379793	45.1	
191 3,3'-Dimethylbenzidine	212		12.073					
192 Butyl benzyl phthalate	149	12.105	12.105	0.0	95	677987	50.7	
197 Benzo[a]anthracene	228	12.511	12.511	0.0	97	1322292	46.3	
196 3,3'-Dichlorobenzidine	252	12.517	12.517	0.0	56	530480	45.9	
199 Chrysene	228	12.538	12.538	0.0	85	1282217	46.9	
198 Bis(2-ethylhexyl) phthalate	149	12.613	12.613	0.0	95	899813	50.2	
201 Di-n-octyl phthalate	149	13.115	13.115	0.0	100	1398980	48.3	
203 Benzo[b]fluoranthene	252	13.350	13.350	0.0	92	1433865	46.5	
204 Benzo[k]fluoranthene	252	13.371	13.371	0.0	97	1401019	47.5	
206 Benzo[a]pyrene	252	13.580	13.580	0.0	73	1169158	47.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
208 Indeno[1,2,3-cd]pyrene	276	14.333	14.333	0.0	96	1557744	47.0	
209 Dibenz(a,h)anthracene	278	14.344	14.344	0.0	74	1333922	47.2	
210 Benzo[g,h,i]perylene	276	14.504	14.504	0.0	95	1329910	49.0	
S 214 3-Methylphenol	1				0		47.6	
S 213 Total Cresols	1				0		95.9	
S 212 3 & 4 Methylphenol	108				0		47.6	

QC Flag Legend

Review Flags

M - Manually Integrated

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Lab Sample ID: CCVIS 480-32985/2 Calibration Date: 09/27/2011 11:17

Instrument ID: HP5973X Calib Start Date: 09/09/2011 12:43

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/09/2011 14:37

Lab File ID: X8403.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.8713	1.164	0.0100	66800	50000	33.6*	25.0
Pyridine	Ave	0.9187	1.396	0.0100	76000	50000	52.0	100.0
Aniline	Ave	1.881	1.920	0.0100	51000	50000	2.1	100.0
Phenol	Ave	1.650	1.749	0.0100	53000	50000	6.0	20.0
Bis(2-chloroethyl)ether	Ave	1.206	1.259	0.0100	52200	50000	4.4	25.0
2-Chlorophenol	Ave	1.362	1.324	0.0100	48600	50000	-2.8	25.0
1,3-Dichlorobenzene	Ave	1.575	1.546	0.0100	49100	50000	-1.8	25.0
1,4-Dichlorobenzene	Ave	1.606	1.536	0.0100	47800	50000	-4.4	20.0
1,2-Dichlorobenzene	Ave	1.536	1.467	0.0100	47800	50000	-4.5	25.0
Benzyl alcohol	Ave	0.8510	0.8098	0.0100	47600	50000	-4.8	100.0
bis (2-chloroisopropyl) ether	Ave	1.428	1.784	0.0100	62500	50000	24.9	25.0
2-Methylphenol	Ave	1.150	1.110	0.0100	48300	50000	-3.5	25.0
N-Nitrosodi-n-propylamine	Ave	0.9010	0.8952	0.0500	49700	50000	-0.6	25.0
Hexachloroethane	Ave	0.6045	0.6315	0.0100	52200	50000	4.5	25.0
4-Methylphenol	Ave	1.175	1.119	0.0100	47600	50000	-4.7	25.0
Nitrobenzene	Ave	0.3729	0.3926	0.0100	52600	50000	5.3	25.0
Isophorone	Ave	0.6479	0.6619	0.0100	51100	50000	2.2	25.0
2-Nitrophenol	Ave	0.1972	0.1821	0.0100	46200	50000	-7.6	20.0
2,4-Dimethylphenol	Ave	0.3780	0.3783	0.0100	50000	50000	0.1	25.0
Tetraethyl lead	Ave	0.2018	0.2088	0.0100	51700	50000	3.4	40.0
Bis(2-chloroethoxy)methane	Ave	0.3614	0.3597	0.0100	49800	50000	-0.4	25.0
2,4-Dichlorophenol	Ave	0.3229	0.3124	0.0100	48400	50000	-3.3	20.0
1,2,4-Trichlorobenzene	Ave	0.3611	0.3335	0.0100	46200	50000	-7.6	25.0
Benzoic acid	Ave	0.2797	0.2729	0.0100	146000	150000	-2.4	25.0
Naphthalene	Ave	0.9882	0.9438	0.0100	47700	50000	-4.5	25.0
4-Chloroaniline	Ave	0.4184	0.4025	0.0100	48100	50000	-3.8	25.0
Hexachlorobutadiene	Ave	0.2443	0.2285	0.0100	46800	50000	-6.5	20.0
4-Chloro-3-methylphenol	Ave	0.3283	0.3189	0.0100	48600	50000	-2.9	20.0
2-Methylnaphthalene	Ave	0.6961	0.6445	0.0100	46300	50000	-7.4	25.0
Hexachlorocyclopentadiene	Ave	0.4045	0.3867	0.0500	47800	50000	-4.4	25.0
2,4,6-Trichlorophenol	Ave	0.3961	0.3655	0.0100	46100	50000	-7.7	20.0
2,4,5-Trichlorophenol	Ave	0.4187	0.4005	0.0100	47800	50000	-4.4	25.0
2-Chloronaphthalene	Ave	1.076	1.002	0.0100	46600	50000	-6.9	25.0
2-Nitroaniline	Ave	0.3110	0.3275	0.0100	52600	50000	5.3	25.0
Dimethyl phthalate	Ave	1.310	1.255	0.0100	47900	50000	-4.2	25.0
2,6-Dinitrotoluene	Ave	0.2794	0.2672	0.0100	47800	50000	-4.3	25.0
Acenaphthylene	Ave	1.598	1.494	0.0100	46800	50000	-6.5	25.0
3-Nitroaniline	Ave	0.2969	0.2698	0.0100	45400	50000	-9.1	25.0
Acenaphthene	Ave	0.9806	0.9196	0.0100	46900	50000	-6.2	20.0
2,4-Dinitrophenol	Lin1		0.1405	0.0500	53900	50000	7.8	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Lab Sample ID: CCVIS 480-32985/2 Calibration Date: 09/27/2011 11:17

Instrument ID: HP5973X Calib Start Date: 09/09/2011 12:43

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/09/2011 14:37

Lab File ID: X8403.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibenzofuran	Ave	1.588	1.469	0.0100	46300	50000	-7.5	25.0
2,4-Dinitrotoluene	Ave	0.4032	0.3732	0.0100	46300	50000	-7.4	25.0
4-Nitrophenol	Ave	0.2448	0.2593	0.0500	53000	50000	5.9	25.0
Diethyl phthalate	Ave	1.278	1.219	0.0100	47700	50000	-4.6	25.0
Fluorene	Ave	1.260	1.174	0.0100	46600	50000	-6.9	25.0
4-Chlorophenyl phenyl ether	Ave	0.6704	0.6140	0.0100	45800	50000	-8.4	25.0
4-Nitroaniline	Ave	0.2908	0.2810	0.0100	48300	50000	-3.4	25.0
4,6-Dinitro-2-methylphenol	Lin1		0.1622	0.0100	48700	50000	-2.6	25.0
N-Nitrosodiphenylamine	Ave	0.5326	0.5052	0.0100	47400	50000	-5.1	20.0
1,2-Diphenylhydrazine	Ave	1.159	1.250	0.0100	53900	50000	7.8	25.0
4-Bromophenyl phenyl ether	Ave	0.2413	0.2236	0.0100	46300	50000	-7.3	25.0
Hexachlorobenzene	Ave	0.2661	0.2409	0.0100	45300	50000	-9.5	25.0
Pentachlorophenol	Lin1		0.1514	0.0100	47800	50000	-4.4	20.0
Phenanthrene	Ave	1.077	1.028	0.0100	47700	50000	-4.6	25.0
Anthracene	Ave	1.084	1.038	0.0100	47900	50000	-4.3	25.0
Carbazole	Ave	0.9948	0.9840	0.0100	49500	50000	-1.1	25.0
Di-n-butyl phthalate	Ave	1.225	1.219	0.0100	49800	50000	-0.5	25.0
Fluoranthene	Ave	1.224	1.179	0.0100	48200	50000	-3.7	20.0
Benzidine	Ave	0.5594	0.5109	0.0100	45700	50000	-8.7	25.0
Pyrene	Ave	1.214	1.096	0.0100	45100	50000	-9.7	25.0
Butyl benzyl phthalate	Ave	0.5309	0.5387	0.0100	50700	50000	1.5	25.0
Benzo(a)anthracene	Ave	1.135	1.051	0.0100	46300	50000	-7.4	25.0
3,3'-Dichlorobenzidine	Ave	0.4595	0.4215	0.0100	45900	50000	-8.3	25.0
Chrysene	Ave	1.087	1.019	0.0100	46900	50000	-6.2	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.7118	0.7150	0.0100	50200	50000	0.4	25.0
Di-n-octyl phthalate	Ave	1.150	1.112	0.0100	48300	50000	-3.3	20.0
Benzo(b)fluoranthene	Ave	1.215	1.130	0.0100	46500	50000	-7.0	25.0
Benzo(k)fluoranthene	Ave	1.162	1.104	0.0100	47500	50000	-5.0	25.0
Benzo(a)pyrene	Ave	0.9786	0.9215	0.0100	47100	50000	-5.8	20.0
Indeno(1,2,3-cd)pyrene	Ave	1.306	1.228	0.0100	47000	50000	-6.0	25.0
Dibenz(a,h)anthracene	Ave	1.113	1.051	0.0100	47200	50000	-5.5	25.0
Benzo(g,h,i)perylene	Ave	1.070	1.048	0.0100	49000	50000	-2.0	25.0
2-Fluorophenol	Ave	1.234	1.251	0.0100	50700	50000	1.4	25.0
Phenol-d5	Ave	1.480	1.529	0.0100	51700	50000	3.4	25.0
Nitrobenzene-d5	Ave	0.3753	0.3910	0.0100	52100	50000	4.2	25.0
2-Fluorobiphenyl	Ave	1.256	1.171	0.0100	46600	50000	-6.8	25.0
2,4,6-Tribromophenol	Ave	0.1398	0.1321	0.0100	47200	50000	-5.5	25.0
p-Terphenyl-d14	Ave	0.8893	0.7767	0.0100	43700	50000	-12.7	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8403.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 27-Sep-2011 11:17:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: CCVIS
 Operator: MKP/RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 32985 Lims Sample ID: 2
 Sublist: chrom-X-8270*sub15
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X-8270.m
 Last Update: 27-Sep-2011 13:18:36 Calib Date: 09-Sep-2011 14:37:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7706.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 27-Sep-2011 12:28:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.674	4.674	0.0	97	231513	40.0	
* 2 Naphthalene-d8	136	6.304	6.304	0.0	98	876169	40.0	
* 3 Acenaphthene-d10	164	8.371	8.371	0.0	91	575078	40.0	
* 4 Phenanthrene-d10	188	10.059	10.059	0.0	97	928831	40.0	
* 5 Chrysene-d12	240	12.517	12.517	0.0	97	1006861	40.0	
* 6 Perylene-d12	264	13.623	13.623	0.0	95	1015050	40.0	
\$ 7 2-Fluorophenol	112	2.639	2.639	0.0	90	362146	50.7	
\$ 8 Phenol-d5	99	4.322	4.322	0.0	96	442517	51.7	
\$ 9 Nitrobenzene-d5	82	5.422	5.422	0.0	96	428199	52.1	
\$ 10 2-Fluorobiphenyl	172	7.629	7.629	0.0	99	841917	46.6	
\$ 11 2,4,6-Tribromophenol	330	9.290	9.290	0.0	56	153396	47.2	
\$ 12 p-Terphenyl-d14	244	11.646	11.646	0.0	99	977517	43.7	
55 N-Nitrosodimethylamine	42	1.052	1.052	0.0	69	336878	66.8	
56 Pyridine	52	1.084	1.084	0.0	80	404123	76.0	
64 Aniline	93	4.231	4.231	0.0	94	555679	51.0	
63 Phenol	94	4.343	4.343	0.0	90	506174	53.0	M
66 Bis(2-chloroethyl)ether	93	4.359	4.359	0.0	74	364446	52.2	
67 2-Chlorophenol	128	4.407	4.407	0.0	84	383050	48.6	
69 1,3-Dichlorobenzene	146	4.589	4.589	0.0	92	447505	49.1	
70 1,4-Dichlorobenzene	146	4.696	4.696	0.0	78	444610	47.8	
72 1,2-Dichlorobenzene	146	4.899	4.899	0.0	89	424482	47.8	
71 Benzyl alcohol	108	4.931	4.931	0.0	74	234356	47.6	
74 2,2'-oxybis[1-chloropropane]	45	5.112	5.112	0.0	88	516293	62.5	
73 2-Methylphenol	108	5.144	5.144	0.0	92	321105	48.3	
78 N-Nitrosodi-n-propylamine	70	5.283	5.283	0.0	94	259062	49.7	
81 Hexachloroethane	117	5.331	5.331	0.0	83	182746	52.2	
79 4-Methylphenol	108	5.363	5.363	0.0	90	323898	47.6	
83 Nitrobenzene	77	5.444	5.444	0.0	88	429981	52.6	
86 Isophorone	82	5.769	5.769	0.0	97	724965	51.1	
87 2-Nitrophenol	139	5.855	5.855	0.0	90	199474	46.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
90 Tetraethyl lead	237	6.010	6.010	0.0	62	228645	51.7	
89 2,4-Dimethylphenol	107	6.010	6.010	0.0	97	414351	50.0	
94 Bis(2-chloroethoxy)methane	93	6.090	6.090	0.0	96	393995	49.8	
97 2,4-Dichlorophenol	162	6.186	6.186	0.0	94	342098	48.4	
98 1,2,4-Trichlorobenzene	180	6.256	6.256	0.0	92	365255	46.2	
95 Benzoic acid	105	6.277	6.277	0.0	87	896555	146.4	
99 Naphthalene	128	6.325	6.325	0.0	92	1033604	47.7	
101 4-Chloroaniline	127	6.443	6.443	0.0	82	440816	48.1	
104 Hexachlorobutadiene	225	6.528	6.528	0.0	91	250286	46.8	
110 4-Chloro-3-methylphenol	107	7.105	7.105	0.0	89	349262	48.6	
113 2-Methylnaphthalene	142	7.169	7.169	0.0	88	705851	46.3	
116 Hexachlorocyclopentadiene	237	7.377	7.377	0.0	92	277966	47.8	
118 2,4,6-Trichlorophenol	196	7.543	7.543	0.0	91	262737	46.1	
119 2,4,5-Trichlorophenol	196	7.586	7.586	0.0	92	287873	47.8	
124 2-Chloronaphthalene	162	7.730	7.730	0.0	98	720470	46.6	
125 2-Nitroaniline	65	7.885	7.885	0.0	77	235389	52.6	
128 Dimethyl phthalate	163	8.136	8.136	0.0	96	902087	47.9	
130 2,6-Dinitrotoluene	165	8.184	8.184	0.0	93	192099	47.8	
131 Acenaphthylene	152	8.200	8.200	0.0	87	1074137	46.8	
132 3-Nitroaniline	138	8.371	8.371	0.0	64	193962	45.4	
133 Acenaphthene	153	8.408	8.408	0.0	93	661038	46.9	
134 2,4-Dinitrophenol	184	8.489	8.489	0.0	81	101022	53.9	
138 Dibenzofuran	168	8.611	8.611	0.0	87	1056120	46.3	
137 2,4-Dinitrotoluene	165	8.644	8.644	0.0	73	268265	46.3	
135 4-Nitrophenol	109	8.665	8.665	0.0	42	186399	53.0	
142 Diethyl phthalate	149	8.969	8.969	0.0	96	876618	47.7	
144 Fluorene	166	9.007	9.007	0.0	89	843669	46.6	
145 4-Chlorophenyl phenyl ether	204	9.044	9.044	0.0	94	441368	45.8	
147 4-Nitroaniline	138	9.076	9.076	0.0	45	201996	48.3	
148 4,6-Dinitro-2-methylphenol	198	9.114	9.114	0.0	84	188319	48.7	
149 N-Nitrosodiphenylamine	169	9.188	9.188	0.0	61	586511	47.4	
152 1,2-Diphenylhydrazine	77	9.221	9.221	0.0	96	898611	53.9	
159 4-Bromophenyl phenyl ether	248	9.600	9.600	0.0	63	259603	46.3	
160 Hexachlorobenzene	284	9.648	9.648	0.0	85	279655	45.3	
165 Pentachlorophenol	266	9.894	9.894	0.0	83	175738	47.8	
171 Phenanthrene	178	10.086	10.086	0.0	95	1193283	47.7	
172 Anthracene	178	10.139	10.139	0.0	97	1205067	47.9	
173 Carbazole	167	10.342	10.342	0.0	83	1142470	49.5	
176 Di-n-butyl phthalate	149	10.770	10.770	0.0	100	1415542	49.8	
182 Fluoranthene	202	11.261	11.261	0.0	97	1368818	48.2	
183 Benzidine	184	11.422	11.422	0.0	98	643053	45.7	
185 Pyrene	202	11.459	11.459	0.0	98	1379793	45.1	
191 3,3'-Dimethylbenzidine	212		12.073					
192 Butyl benzyl phthalate	149	12.105	12.105	0.0	95	677987	50.7	
197 Benzo[a]anthracene	228	12.511	12.511	0.0	97	1322292	46.3	
196 3,3'-Dichlorobenzidine	252	12.517	12.517	0.0	56	530480	45.9	
199 Chrysene	228	12.538	12.538	0.0	85	1282217	46.9	
198 Bis(2-ethylhexyl) phthalate	149	12.613	12.613	0.0	95	899813	50.2	
201 Di-n-octyl phthalate	149	13.115	13.115	0.0	100	1398980	48.3	
203 Benzo[b]fluoranthene	252	13.350	13.350	0.0	92	1433865	46.5	
204 Benzo[k]fluoranthene	252	13.371	13.371	0.0	97	1401019	47.5	
206 Benzo[a]pyrene	252	13.580	13.580	0.0	73	1169158	47.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
208 Indeno[1,2,3-cd]pyrene	276	14.333	14.333	0.0	96	1557744	47.0	
209 Dibenz(a,h)anthracene	278	14.344	14.344	0.0	74	1333922	47.2	
210 Benzo[g,h,i]perylene	276	14.504	14.504	0.0	95	1329910	49.0	
S 214 3-Methylphenol	1				0		47.6	
S 213 Total Cresols	1				0		95.9	
S 212 3 & 4 Methylphenol	108				0		47.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 27-Sep-2011 13:18:36

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8403.D

Injection Date: 27-Sep-2011 11:17:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 32985

Lims Sample ID: 2

Operator ID: MKP/RJF

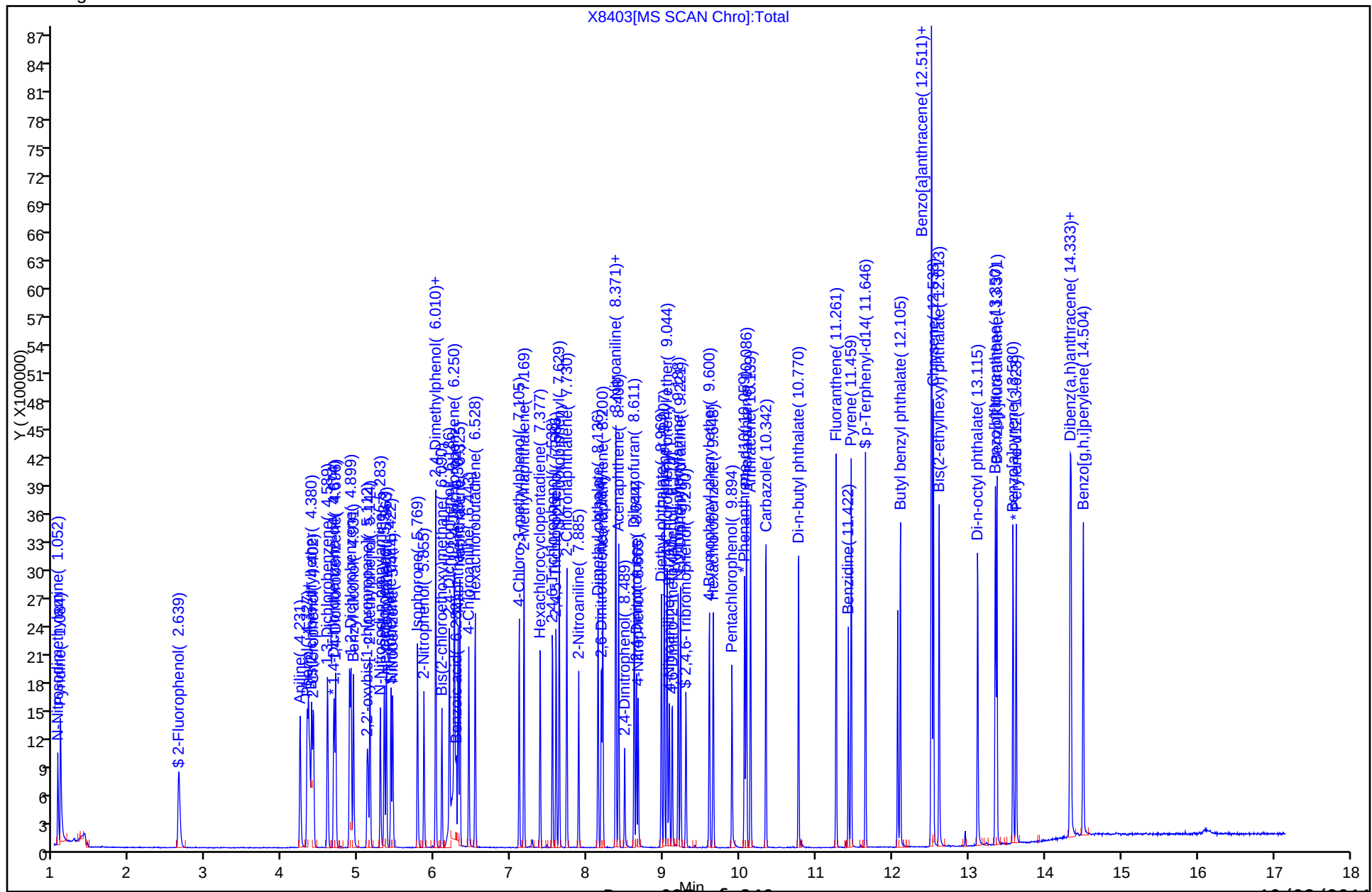
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

X8403[MS SCAN Chro]:Total

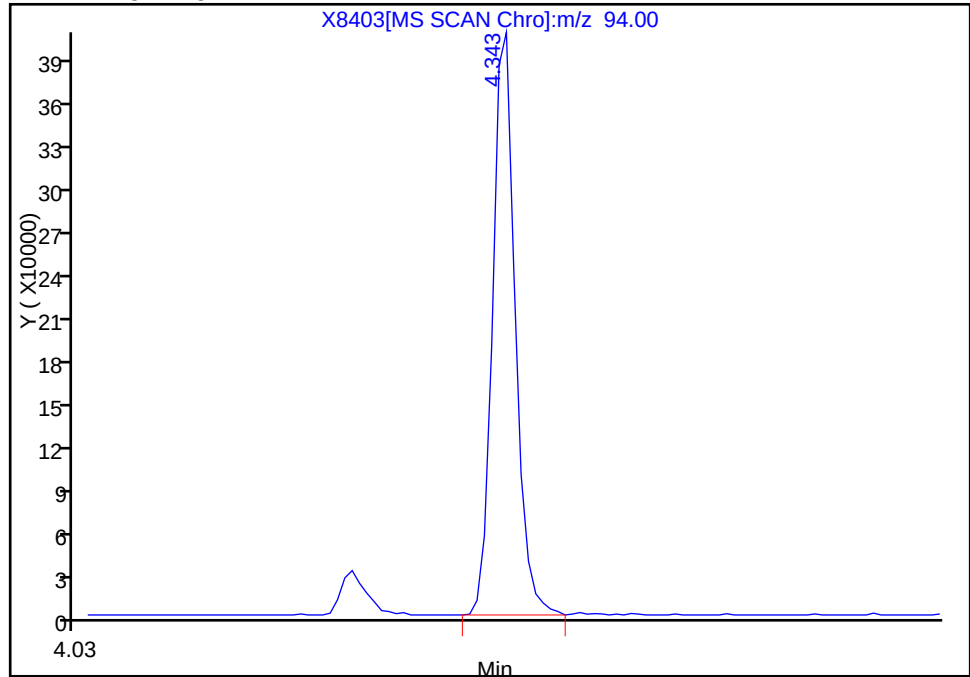


Data File:	\\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8403.D		
Injection Date:	27-Sep-2011 11:17:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	32985	Lims Sample ID:	2
Operator ID:	MKP/RJF	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

63 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 4.34

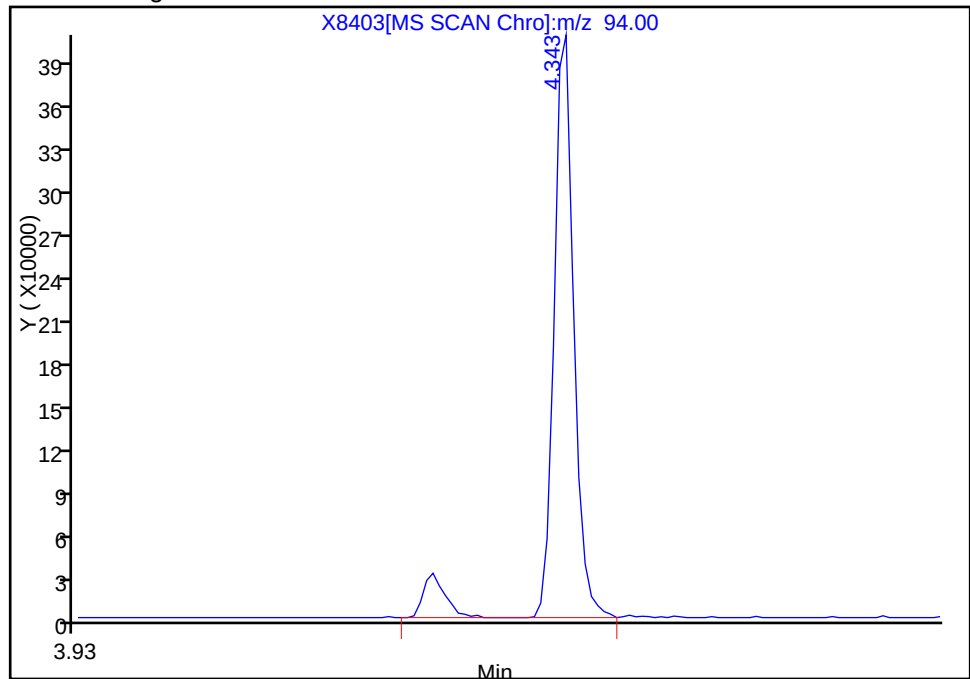
RT: 4.34
Response: 466621
Amount: 48.871899

Processing Integration Results



RT: 4.34
Response: 506174
Amount: 53.014512

Manual Integration Results



Reviewer: pagem, 27-Sep-2011 12:28:58

Audit Action: Manually Integrated

Audit Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Lab Sample ID: CCV 480-32985/3 Calibration Date: 09/27/2011 11:40
Instrument ID: HP5973X Calib Start Date: 09/01/2011 15:55
GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/01/2011 17:48
Lab File ID: X8404.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	0.9783	1.065	0.0100	54400	50000	8.9	40.0
Acetophenone	Ave	1.766	1.818	0.0100	51500	50000	2.9	40.0
Caprolactam	Lin1		0.1009	0.0100	56400	50000	12.8	40.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5865	0.5460	0.0100	46500	50000	-6.9	40.0
Biphenyl	Ave	1.405	1.347	0.0100	47900	50000	-4.1	40.0
2,3,4,6-Tetrachlorophenol	Ave	0.3024	0.3244	0.0100	53600	50000	7.3	40.0
Atrazine	Ave	0.3775	0.3865	0.0100	51200	50000	2.4	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8404.D
 Lims ID: CCV TCLADD Client ID:
 Inject. Date: 27-Sep-2011 11:40:30 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: CCV
 Misc. Info.: CCVTCLADD
 Operator: MKP/RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 32985 Lims Sample ID: 3
 Sublist: chrom-X-8270*sub4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X-8270.m
 Last Update: 27-Sep-2011 13:18:36 Calib Date: 09-Sep-2011 14:37:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7706.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 27-Sep-2011 13:03:22

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.674	4.674	0.0	96	263790	40.0	
* 2 Naphthalene-d8	136	6.303	6.303	0.0	99	966703	40.0	
* 3 Acenaphthene-d10	164	8.371	8.371	0.0	91	592774	40.0	
* 4 Phenanthrene-d10	188	10.059	10.059	0.0	97	957227	40.0	
* 5 Chrysene-d12	240	12.511	12.511	0.0	98	1041437	40.0	
* 6 Perylene-d12	264	13.622	13.622	0.0	98	1124657	40.0	
62 Benzaldehyde	77	4.038	4.038	0.0	84	351266	54.4	
76 Acetophenone	105	5.240	5.240	0.0	91	599378	51.5	
105 Caprolactam	113	6.838	6.838	0.0	72	121969	56.4	
117 1,2,4,5-Tetrachlorobenzene	216	7.377	7.377	0.0	96	404567	46.5	
123 1,1'-Biphenyl	154	7.730	7.730	0.0	96	997781	47.9	
140 2,3,4,6-Tetrachlorophenol	232	8.793	8.793	0.0	71	240387	53.6	
163 Atrazine	200	9.856	9.856	0.0	93	286405	51.2	

Report Date: 27-Sep-2011 13:18:37

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8404.D

Injection Date: 27-Sep-2011 11:40:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 32985

Lims Sample ID: 3

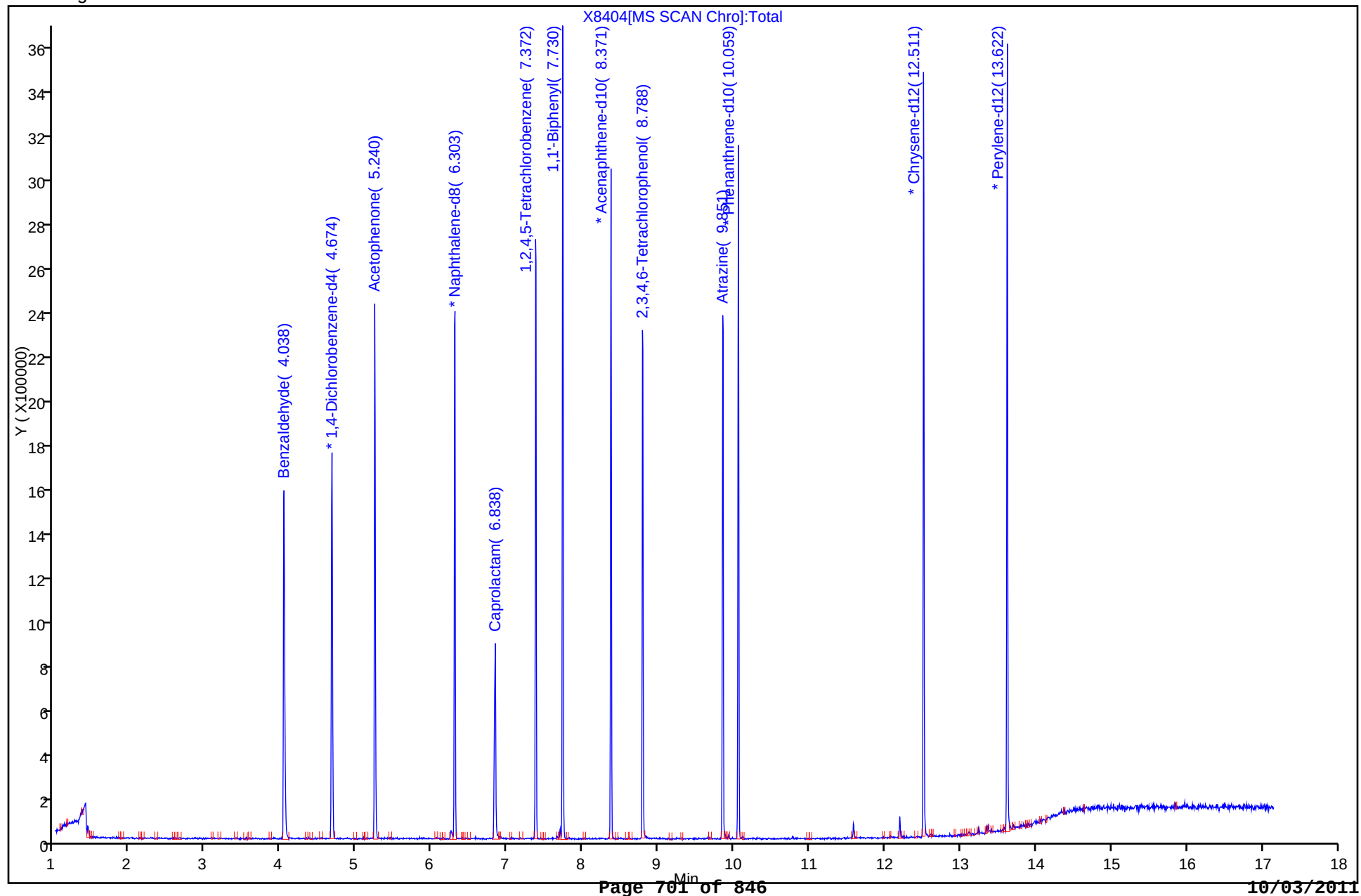
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Lab Sample ID: CCVIS 480-33187/2 Calibration Date: 09/28/2011 10:50
Instrument ID: HP5973X Calib Start Date: 09/02/2011 15:23
GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/02/2011 17:18
Lab File ID: X8460.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dimethylbenzidine	Ave	0.6895		0.0100		50000		100.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8460.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 28-Sep-2011 10:50:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: CCVIS
 Operator: MKP/RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 33187 Lims Sample ID: 2
 Sublist: chrom-X-8270*sub15
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X-8270.m
 Last Update: 28-Sep-2011 12:28:59 Calib Date: 09-Sep-2011 14:37:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7706.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 28-Sep-2011 11:46:44

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.647	4.647	0.0	97	249213	40.0	
* 2 Naphthalene-d8	136	6.277	6.277	0.0	97	945681	40.0	
* 3 Acenaphthene-d10	164	8.350	8.350	0.0	90	634134	40.0	
* 4 Phenanthrene-d10	188	10.038	10.038	0.0	97	1030532	40.0	
* 5 Chrysene-d12	240	12.495	12.495	0.0	97	1130596	40.0	
* 6 Perylene-d12	264	13.601	13.601	0.0	99	1124962	40.0	
\$ 7 2-Fluorophenol	112	2.591	2.591	0.0	91	396542	51.6	
\$ 8 Phenol-d5	99	4.289	4.289	0.0	98	471895	51.2	
\$ 9 Nitrobenzene-d5	82	5.395	5.395	0.0	93	465058	52.4	
\$ 10 2-Fluorobiphenyl	172	7.607	7.607	0.0	99	921856	46.3	
\$ 11 2,4,6-Tribromophenol	330	9.268	9.268	0.0	52	172712	47.9	
\$ 12 p-Terphenyl-d14	244	11.624	11.624	0.0	99	1094822	43.6	
55 N-Nitrosodimethylamine	42	1.036	1.036	0.0	78	353203	65.1	
56 Pyridine	52	1.068	1.068	0.0	82	387699	67.7	
64 Aniline	93	4.199	4.199	0.0	94	594002	50.7	
63 Phenol	94	4.305	4.305	0.0	90	528500	51.4	M
66 Bis(2-chloroethyl)ether	93	4.332	4.332	0.0	60	379415	50.5	
67 2-Chlorophenol	128	4.375	4.375	0.0	83	418930	49.4	
69 1,3-Dichlorobenzene	146	4.562	4.562	0.0	92	477625	48.7	
70 1,4-Dichlorobenzene	146	4.669	4.669	0.0	89	492642	49.2	
72 1,2-Dichlorobenzene	146	4.872	4.872	0.0	92	459143	48.0	
71 Benzyl alcohol	108	4.904	4.904	0.0	79	248358	46.8	
74 2,2'-oxybis[1-chloropropane]	45	5.091	5.091	0.0	87	540087	60.7	
73 2-Methylphenol	108	5.118	5.118	0.0	92	354025	49.4	
78 N-Nitrosodi-n-propylamine	70	5.256	5.256	0.0	91	294360	52.4	
81 Hexachloroethane	117	5.310	5.310	0.0	83	195611	51.9	
79 4-Methylphenol	108	5.331	5.331	0.0	88	366274	50.0	
83 Nitrobenzene	77	5.422	5.422	0.0	86	478311	54.3	
86 Isophorone	82	5.748	5.748	0.0	95	771180	50.3	
87 2-Nitrophenol	139	5.828	5.828	0.0	90	232750	49.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
90 Tetraethyl lead	237	5.983	5.983	0.0	62	253859	53.2	
89 2,4-Dimethylphenol	107	5.983	5.983	0.0	98	447514	50.1	
94 Bis(2-chloroethoxy)methane	93	6.068	6.068	0.0	97	429094	50.2	
97 2,4-Dichlorophenol	162	6.165	6.165	0.0	95	370885	48.6	
98 1,2,4-Trichlorobenzene	180	6.229	6.229	0.0	92	403977	47.3	
95 Benzoic acid	105	6.255	6.255	0.0	92	981692	148.5	
99 Naphthalene	128	6.303	6.303	0.0	91	1129640	48.3	
101 4-Chloroaniline	127	6.421	6.421	0.0	83	481033	48.6	
104 Hexachlorobutadiene	225	6.501	6.501	0.0	92	281999	48.8	
110 4-Chloro-3-methylphenol	107	7.078	7.078	0.0	91	383170	49.4	
113 2-Methylnaphthalene	142	7.142	7.142	0.0	85	769041	46.7	
116 Hexachlorocyclopentadiene	237	7.356	7.356	0.0	85	321356	50.1	
118 2,4,6-Trichlorophenol	196	7.516	7.516	0.0	92	290215	46.2	
119 2,4,5-Trichlorophenol	196	7.564	7.564	0.0	95	317105	47.8	
124 2-Chloronaphthalene	162	7.703	7.703	0.0	98	798742	46.8	
125 2-Nitroaniline	65	7.858	7.858	0.0	76	275404	55.9	
128 Dimethyl phthalate	163	8.115	8.115	0.0	97	1000293	48.2	
130 2,6-Dinitrotoluene	165	8.157	8.157	0.0	89	217564	49.1	
131 Acenaphthylene	152	8.173	8.173	0.0	91	1177725	46.5	
132 3-Nitroaniline	138	8.344	8.344	0.0	72	233571	49.6	
133 Acenaphthene	153	8.387	8.387	0.0	91	714186	45.9	
134 2,4-Dinitrophenol	184	8.467	8.467	0.0	84	105919	51.8	
138 Dibenzofuran	168	8.590	8.590	0.0	87	1162194	46.2	
137 2,4-Dinitrotoluene	165	8.617	8.617	0.0	71	303593	47.5	
135 4-Nitrophenol	109	8.638	8.638	0.0	44	200026	51.5	
142 Diethyl phthalate	149	8.948	8.948	0.0	96	985614	48.6	
144 Fluorene	166	8.985	8.985	0.0	79	916567	45.9	
145 4-Chlorophenyl phenyl ether	204	9.023	9.023	0.0	89	494349	46.5	
147 4-Nitroaniline	138	9.049	9.049	0.0	49	227412	49.3	
148 4,6-Dinitro-2-methylphenol	198	9.092	9.092	0.0	86	190117	44.8	
149 N-Nitrosodiphenylamine	169	9.167	9.167	0.0	61	657726	47.9	
152 1,2-Diphenylhydrazine	77	9.199	9.199	0.0	96	956371	52.0	
159 4-Bromophenyl phenyl ether	248	9.578	9.578	0.0	60	279315	44.9	
160 Hexachlorobenzene	284	9.626	9.626	0.0	86	296847	43.3	
165 Pentachlorophenol	266	9.872	9.872	0.0	85	203014	49.5	
171 Phenanthrene	178	10.064	10.064	0.0	96	1315954	47.4	
172 Anthracene	178	10.118	10.118	0.0	97	1350368	48.3	
173 Carbazole	167	10.316	10.316	0.0	83	1281993	50.0	
176 Di-n-butyl phthalate	149	10.748	10.748	0.0	100	1586664	50.3	
182 Fluoranthene	202	11.240	11.240	0.0	97	1530812	48.5	
183 Benzidine	184	11.400	11.400	0.0	98	792091	50.1	
185 Pyrene	202	11.437	11.437	0.0	98	1546207	45.0	
191 3,3'-Dimethylbenzidine	212		12.046					
192 Butyl benzyl phthalate	149	12.084	12.084	0.0	95	751151	50.1	
197 Benzo[a]anthracene	228	12.490	12.490	0.0	97	1465621	45.7	
196 3,3'-Dichlorobenzidine	252	12.495	12.495	0.0	61	620916	47.8	
199 Chrysene	228	12.517	12.517	0.0	79	1464244	47.7	
198 Bis(2-ethylhexyl) phthalate	149	12.591	12.591	0.0	95	1020930	50.7	
201 Di-n-octyl phthalate	149	13.099	13.099	0.0	99	1641051	50.5	
203 Benzo[b]fluoranthene	252	13.329	13.329	0.0	91	1571292	46.0	
204 Benzo[k]fluoranthene	252	13.350	13.350	0.0	97	1488889	45.6	
206 Benzo[a]pyrene	252	13.558	13.558	0.0	73	1257666	45.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
208 Indeno[1,2,3-cd]pyrene	276	14.306	14.306	0.0	97	1747461	47.6	
209 Dibenz(a,h)anthracene	278	14.317	14.317	0.0	80	1459416	46.6	
210 Benzo[g,h,i]perylene	276	14.477	14.477	0.0	96	1447632	48.1	
S 214 3-Methylphenol	1				0		50.0	
S 213 Total Cresols	1				0		99.5	
S 212 3 & 4 Methylphenol	108				0		50.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 28-Sep-2011 12:28:59

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8460.D

Injection Date: 28-Sep-2011 10:50:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 33187

Lims Sample ID: 2

Operator ID: MKP/RJF

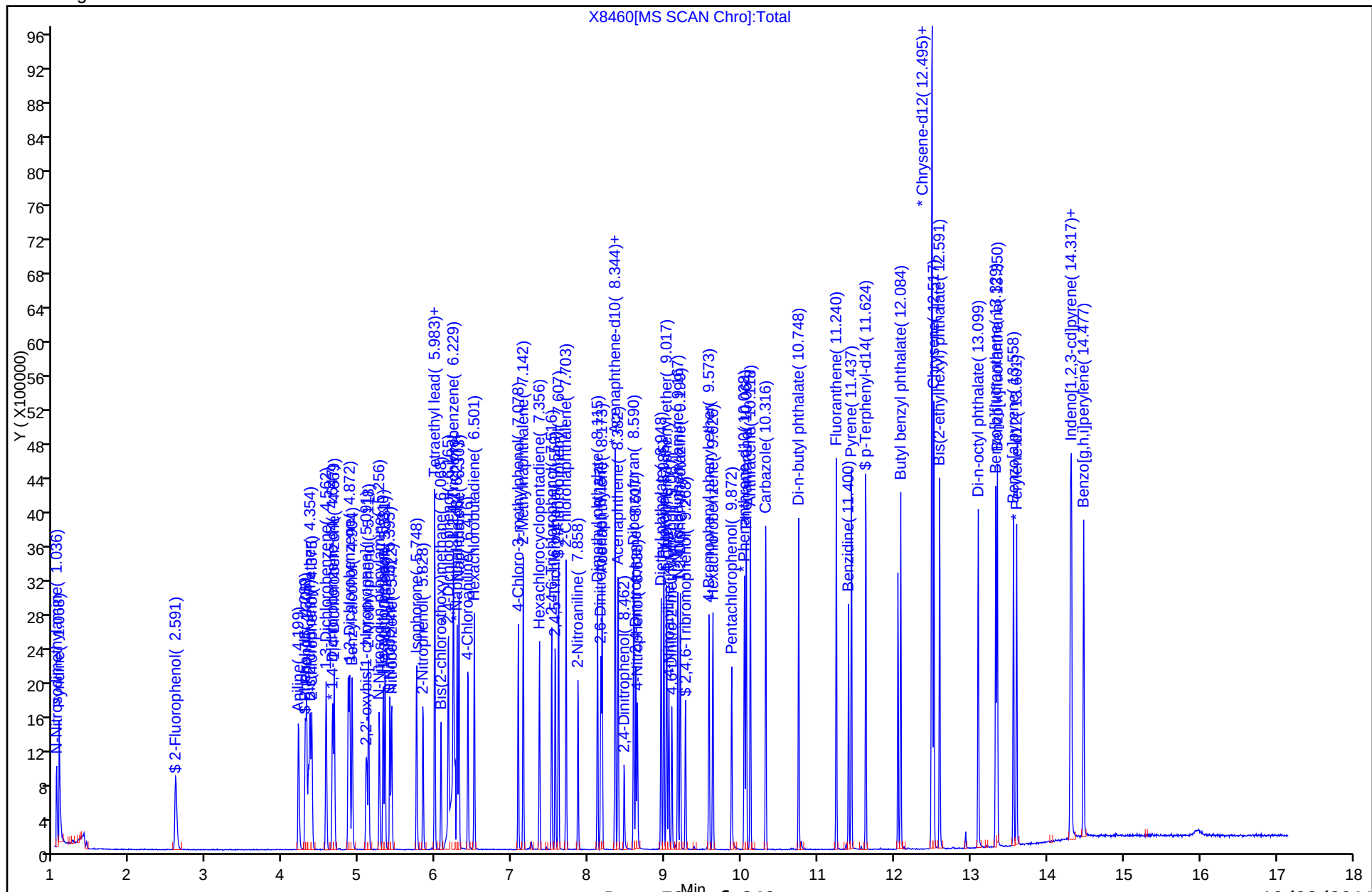
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

X8460[MS SCAN Chro]:Total



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Lab Sample ID: CCVIS 480-33187/2 Calibration Date: 09/28/2011 10:50

Instrument ID: HP5973X Calib Start Date: 09/09/2011 12:43

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/09/2011 14:37

Lab File ID: X8460.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.8713	1.134	0.0100	65100	50000	30.1*	25.0
Pyridine	Ave	0.9187	1.245	0.0100	67700	50000	35.5	100.0
Aniline	Ave	1.881	1.907	0.0100	50700	50000	1.4	100.0
Phenol	Ave	1.650	1.697	0.0100	51400	50000	2.8	20.0
Bis(2-chloroethyl)ether	Ave	1.206	1.218	0.0100	50500	50000	1.0	25.0
2-Chlorophenol	Ave	1.362	1.345	0.0100	49400	50000	-1.2	25.0
1,3-Dichlorobenzene	Ave	1.575	1.533	0.0100	48700	50000	-2.7	25.0
1,4-Dichlorobenzene	Ave	1.606	1.581	0.0100	49200	50000	-1.6	20.0
1,2-Dichlorobenzene	Ave	1.536	1.474	0.0100	48000	50000	-4.0	25.0
Benzyl alcohol	Ave	0.8510	0.7973	0.0100	46800	50000	-6.3	100.0
bis (2-chloroisopropyl) ether	Ave	1.428	1.734	0.0100	60700	50000	21.4	25.0
2-Methylphenol	Ave	1.150	1.136	0.0100	49400	50000	-1.1	25.0
N-Nitrosodi-n-propylamine	Ave	0.9010	0.9449	0.0500	52400	50000	4.9	25.0
Hexachloroethane	Ave	0.6045	0.6279	0.0100	51900	50000	3.9	25.0
4-Methylphenol	Ave	1.175	1.176	0.0100	50000	50000	0.0	25.0
Nitrobenzene	Ave	0.3729	0.4046	0.0100	54300	50000	8.5	25.0
Isophorone	Ave	0.6479	0.6524	0.0100	50300	50000	0.7	25.0
2-Nitrophenol	Ave	0.1972	0.1969	0.0100	49900	50000	-0.1	20.0
2,4-Dimethylphenol	Ave	0.3780	0.3786	0.0100	50100	50000	0.2	25.0
Tetraethyl lead	Ave	0.2018	0.2148	0.0100	53200	50000	6.4	40.0
Bis(2-chloroethoxy)methane	Ave	0.3614	0.3630	0.0100	50200	50000	0.5	25.0
2,4-Dichlorophenol	Ave	0.3229	0.3138	0.0100	48600	50000	-2.8	20.0
1,2,4-Trichlorobenzene	Ave	0.3611	0.3417	0.0100	47300	50000	-5.3	25.0
Benzoic acid	Ave	0.2797	0.2768	0.0100	149000	150000	-1.0	25.0
Naphthalene	Ave	0.9882	0.9556	0.0100	48300	50000	-3.3	25.0
4-Chloroaniline	Ave	0.4184	0.4069	0.0100	48600	50000	-2.8	25.0
Hexachlorobutadiene	Ave	0.2443	0.2386	0.0100	48800	50000	-2.4	20.0
4-Chloro-3-methylphenol	Ave	0.3283	0.3241	0.0100	49400	50000	-1.3	20.0
2-Methylnaphthalene	Ave	0.6961	0.6506	0.0100	46700	50000	-6.5	25.0
Hexachlorocyclopentadiene	Ave	0.4045	0.4054	0.0500	50100	50000	0.2	25.0
2,4,6-Trichlorophenol	Ave	0.3961	0.3661	0.0100	46200	50000	-7.6	20.0
2,4,5-Trichlorophenol	Ave	0.4187	0.4001	0.0100	47800	50000	-4.5	25.0
2-Chloronaphthalene	Ave	1.076	1.008	0.0100	46800	50000	-6.4	25.0
2-Nitroaniline	Ave	0.3110	0.3474	0.0100	55900	50000	11.7	25.0
Dimethyl phthalate	Ave	1.310	1.262	0.0100	48200	50000	-3.7	25.0
2,6-Dinitrotoluene	Ave	0.2794	0.2745	0.0100	49100	50000	-1.8	25.0
Acenaphthylene	Ave	1.598	1.486	0.0100	46500	50000	-7.0	25.0
3-Nitroaniline	Ave	0.2969	0.2947	0.0100	49600	50000	-0.8	25.0
Acenaphthene	Ave	0.9806	0.9010	0.0100	45900	50000	-8.1	20.0
2,4-Dinitrophenol	Lin1		0.1336	0.0500	51800	50000	3.6	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Lab Sample ID: CCVIS 480-33187/2 Calibration Date: 09/28/2011 10:50

Instrument ID: HP5973X Calib Start Date: 09/09/2011 12:43

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/09/2011 14:37

Lab File ID: X8460.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibenzofuran	Ave	1.588	1.466	0.0100	46200	50000	-7.6	25.0
2,4-Dinitrotoluene	Ave	0.4032	0.3830	0.0100	47500	50000	-5.0	25.0
4-Nitrophenol	Ave	0.2448	0.2524	0.0500	51500	50000	3.1	25.0
Diethyl phthalate	Ave	1.278	1.243	0.0100	48600	50000	-2.7	25.0
Fluorene	Ave	1.260	1.156	0.0100	45900	50000	-8.2	25.0
4-Chlorophenyl phenyl ether	Ave	0.6704	0.6237	0.0100	46500	50000	-7.0	25.0
4-Nitroaniline	Ave	0.2908	0.2869	0.0100	49300	50000	-1.3	25.0
4,6-Dinitro-2-methylphenol	Lin1		0.1476	0.0100	44800	50000	-10.4	25.0
N-Nitrosodiphenylamine	Ave	0.5326	0.5106	0.0100	47900	50000	-4.1	20.0
1,2-Diphenylhydrazine	Ave	1.159	1.207	0.0100	52000	50000	4.1	25.0
4-Bromophenyl phenyl ether	Ave	0.2413	0.2168	0.0100	44900	50000	-10.1	25.0
Hexachlorobenzene	Ave	0.2661	0.2304	0.0100	43300	50000	-13.4	25.0
Pentachlorophenol	Lin1		0.1576	0.0100	49500	50000	-1.0	20.0
Phenanthrene	Ave	1.077	1.022	0.0100	47400	50000	-5.2	25.0
Anthracene	Ave	1.084	1.048	0.0100	48300	50000	-3.3	25.0
Carbazole	Ave	0.9948	0.995	0.0100	50000	50000	0.0	25.0
Di-n-butyl phthalate	Ave	1.225	1.232	0.0100	50300	50000	0.6	25.0
Fluoranthene	Ave	1.224	1.188	0.0100	48500	50000	-2.9	20.0
Benzidine	Ave	0.5594	0.5605	0.0100	50100	50000	0.2	25.0
Pyrene	Ave	1.214	1.094	0.0100	45000	50000	-9.9	25.0
Butyl benzyl phthalate	Ave	0.5309	0.5315	0.0100	50100	50000	0.1	25.0
Benzo(a)anthracene	Ave	1.135	1.037	0.0100	45700	50000	-8.6	25.0
3,3'-Dichlorobenzidine	Ave	0.4595	0.4394	0.0100	47800	50000	-4.4	25.0
Chrysene	Ave	1.087	1.036	0.0100	47700	50000	-4.7	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.7118	0.7224	0.0100	50700	50000	1.5	25.0
Di-n-octyl phthalate	Ave	1.150	1.161	0.0100	50500	50000	1.0	20.0
Benzo(b)fluoranthene	Ave	1.215	1.117	0.0100	46000	50000	-8.0	25.0
Benzo(k)fluoranthene	Ave	1.162	1.059	0.0100	45600	50000	-8.9	25.0
Benzo(a)pyrene	Ave	0.9786	0.8944	0.0100	45700	50000	-8.6	20.0
Indeno(1,2,3-cd)pyrene	Ave	1.306	1.243	0.0100	47600	50000	-4.8	25.0
Dibenz(a,h)anthracene	Ave	1.113	1.038	0.0100	46600	50000	-6.7	25.0
Benzo(g,h,i)perylene	Ave	1.070	1.029	0.0100	48100	50000	-3.8	25.0
2-Fluorophenol	Ave	1.234	1.273	0.0100	51600	50000	3.1	25.0
Phenol-d5	Ave	1.480	1.515	0.0100	51200	50000	2.4	25.0
Nitrobenzene-d5	Ave	0.3753	0.3934	0.0100	52400	50000	4.8	25.0
2-Fluorobiphenyl	Ave	1.256	1.163	0.0100	46300	50000	-7.4	25.0
2,4,6-Tribromophenol	Ave	0.1398	0.1341	0.0100	47900	50000	-4.1	25.0
p-Terphenyl-d14	Ave	0.8893	0.7747	0.0100	43600	50000	-12.9	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8460.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 28-Sep-2011 10:50:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: CCVIS
 Operator: MKP/RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 33187 Lims Sample ID: 2
 Sublist: chrom-X-8270*sub15
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X-8270.m
 Last Update: 28-Sep-2011 12:28:59 Calib Date: 09-Sep-2011 14:37:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7706.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 28-Sep-2011 11:46:44

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.647	4.647	0.0	97	249213	40.0	
* 2 Naphthalene-d8	136	6.277	6.277	0.0	97	945681	40.0	
* 3 Acenaphthene-d10	164	8.350	8.350	0.0	90	634134	40.0	
* 4 Phenanthrene-d10	188	10.038	10.038	0.0	97	1030532	40.0	
* 5 Chrysene-d12	240	12.495	12.495	0.0	97	1130596	40.0	
* 6 Perylene-d12	264	13.601	13.601	0.0	99	1124962	40.0	
\$ 7 2-Fluorophenol	112	2.591	2.591	0.0	91	396542	51.6	
\$ 8 Phenol-d5	99	4.289	4.289	0.0	98	471895	51.2	
\$ 9 Nitrobenzene-d5	82	5.395	5.395	0.0	93	465058	52.4	
\$ 10 2-Fluorobiphenyl	172	7.607	7.607	0.0	99	921856	46.3	
\$ 11 2,4,6-Tribromophenol	330	9.268	9.268	0.0	52	172712	47.9	
\$ 12 p-Terphenyl-d14	244	11.624	11.624	0.0	99	1094822	43.6	
55 N-Nitrosodimethylamine	42	1.036	1.036	0.0	78	353203	65.1	
56 Pyridine	52	1.068	1.068	0.0	82	387699	67.7	
64 Aniline	93	4.199	4.199	0.0	94	594002	50.7	
63 Phenol	94	4.305	4.305	0.0	90	528500	51.4	M
66 Bis(2-chloroethyl)ether	93	4.332	4.332	0.0	60	379415	50.5	
67 2-Chlorophenol	128	4.375	4.375	0.0	83	418930	49.4	
69 1,3-Dichlorobenzene	146	4.562	4.562	0.0	92	477625	48.7	
70 1,4-Dichlorobenzene	146	4.669	4.669	0.0	89	492642	49.2	
72 1,2-Dichlorobenzene	146	4.872	4.872	0.0	92	459143	48.0	
71 Benzyl alcohol	108	4.904	4.904	0.0	79	248358	46.8	
74 2,2'-oxybis[1-chloropropane]	45	5.091	5.091	0.0	87	540087	60.7	
73 2-Methylphenol	108	5.118	5.118	0.0	92	354025	49.4	
78 N-Nitrosodi-n-propylamine	70	5.256	5.256	0.0	91	294360	52.4	
81 Hexachloroethane	117	5.310	5.310	0.0	83	195611	51.9	
79 4-Methylphenol	108	5.331	5.331	0.0	88	366274	50.0	
83 Nitrobenzene	77	5.422	5.422	0.0	86	478311	54.3	
86 Isophorone	82	5.748	5.748	0.0	95	771180	50.3	
87 2-Nitrophenol	139	5.828	5.828	0.0	90	232750	49.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
90 Tetraethyl lead	237	5.983	5.983	0.0	62	253859	53.2	
89 2,4-Dimethylphenol	107	5.983	5.983	0.0	98	447514	50.1	
94 Bis(2-chloroethoxy)methane	93	6.068	6.068	0.0	97	429094	50.2	
97 2,4-Dichlorophenol	162	6.165	6.165	0.0	95	370885	48.6	
98 1,2,4-Trichlorobenzene	180	6.229	6.229	0.0	92	403977	47.3	
95 Benzoic acid	105	6.255	6.255	0.0	92	981692	148.5	
99 Naphthalene	128	6.303	6.303	0.0	91	1129640	48.3	
101 4-Chloroaniline	127	6.421	6.421	0.0	83	481033	48.6	
104 Hexachlorobutadiene	225	6.501	6.501	0.0	92	281999	48.8	
110 4-Chloro-3-methylphenol	107	7.078	7.078	0.0	91	383170	49.4	
113 2-Methylnaphthalene	142	7.142	7.142	0.0	85	769041	46.7	
116 Hexachlorocyclopentadiene	237	7.356	7.356	0.0	85	321356	50.1	
118 2,4,6-Trichlorophenol	196	7.516	7.516	0.0	92	290215	46.2	
119 2,4,5-Trichlorophenol	196	7.564	7.564	0.0	95	317105	47.8	
124 2-Chloronaphthalene	162	7.703	7.703	0.0	98	798742	46.8	
125 2-Nitroaniline	65	7.858	7.858	0.0	76	275404	55.9	
128 Dimethyl phthalate	163	8.115	8.115	0.0	97	1000293	48.2	
130 2,6-Dinitrotoluene	165	8.157	8.157	0.0	89	217564	49.1	
131 Acenaphthylene	152	8.173	8.173	0.0	91	1177725	46.5	
132 3-Nitroaniline	138	8.344	8.344	0.0	72	233571	49.6	
133 Acenaphthene	153	8.387	8.387	0.0	91	714186	45.9	
134 2,4-Dinitrophenol	184	8.467	8.467	0.0	84	105919	51.8	
138 Dibenzofuran	168	8.590	8.590	0.0	87	1162194	46.2	
137 2,4-Dinitrotoluene	165	8.617	8.617	0.0	71	303593	47.5	
135 4-Nitrophenol	109	8.638	8.638	0.0	44	200026	51.5	
142 Diethyl phthalate	149	8.948	8.948	0.0	96	985614	48.6	
144 Fluorene	166	8.985	8.985	0.0	79	916567	45.9	
145 4-Chlorophenyl phenyl ether	204	9.023	9.023	0.0	89	494349	46.5	
147 4-Nitroaniline	138	9.049	9.049	0.0	49	227412	49.3	
148 4,6-Dinitro-2-methylphenol	198	9.092	9.092	0.0	86	190117	44.8	
149 N-Nitrosodiphenylamine	169	9.167	9.167	0.0	61	657726	47.9	
152 1,2-Diphenylhydrazine	77	9.199	9.199	0.0	96	956371	52.0	
159 4-Bromophenyl phenyl ether	248	9.578	9.578	0.0	60	279315	44.9	
160 Hexachlorobenzene	284	9.626	9.626	0.0	86	296847	43.3	
165 Pentachlorophenol	266	9.872	9.872	0.0	85	203014	49.5	
171 Phenanthrene	178	10.064	10.064	0.0	96	1315954	47.4	
172 Anthracene	178	10.118	10.118	0.0	97	1350368	48.3	
173 Carbazole	167	10.316	10.316	0.0	83	1281993	50.0	
176 Di-n-butyl phthalate	149	10.748	10.748	0.0	100	1586664	50.3	
182 Fluoranthene	202	11.240	11.240	0.0	97	1530812	48.5	
183 Benzidine	184	11.400	11.400	0.0	98	792091	50.1	
185 Pyrene	202	11.437	11.437	0.0	98	1546207	45.0	
191 3,3'-Dimethylbenzidine	212		12.046					
192 Butyl benzyl phthalate	149	12.084	12.084	0.0	95	751151	50.1	
197 Benzo[a]anthracene	228	12.490	12.490	0.0	97	1465621	45.7	
196 3,3'-Dichlorobenzidine	252	12.495	12.495	0.0	61	620916	47.8	
199 Chrysene	228	12.517	12.517	0.0	79	1464244	47.7	
198 Bis(2-ethylhexyl) phthalate	149	12.591	12.591	0.0	95	1020930	50.7	
201 Di-n-octyl phthalate	149	13.099	13.099	0.0	99	1641051	50.5	
203 Benzo[b]fluoranthene	252	13.329	13.329	0.0	91	1571292	46.0	
204 Benzo[k]fluoranthene	252	13.350	13.350	0.0	97	1488889	45.6	
206 Benzo[a]pyrene	252	13.558	13.558	0.0	73	1257666	45.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
208 Indeno[1,2,3-cd]pyrene	276	14.306	14.306	0.0	97	1747461	47.6	
209 Dibenz(a,h)anthracene	278	14.317	14.317	0.0	80	1459416	46.6	
210 Benzo[g,h,i]perylene	276	14.477	14.477	0.0	96	1447632	48.1	
S 214 3-Methylphenol	1				0		50.0	
S 213 Total Cresols	1				0		99.5	
S 212 3 & 4 Methylphenol	108				0		50.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 28-Sep-2011 12:28:59

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8460.D

Injection Date: 28-Sep-2011 10:50:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 33187

Lims Sample ID: 2

Operator ID: MKP/RJF

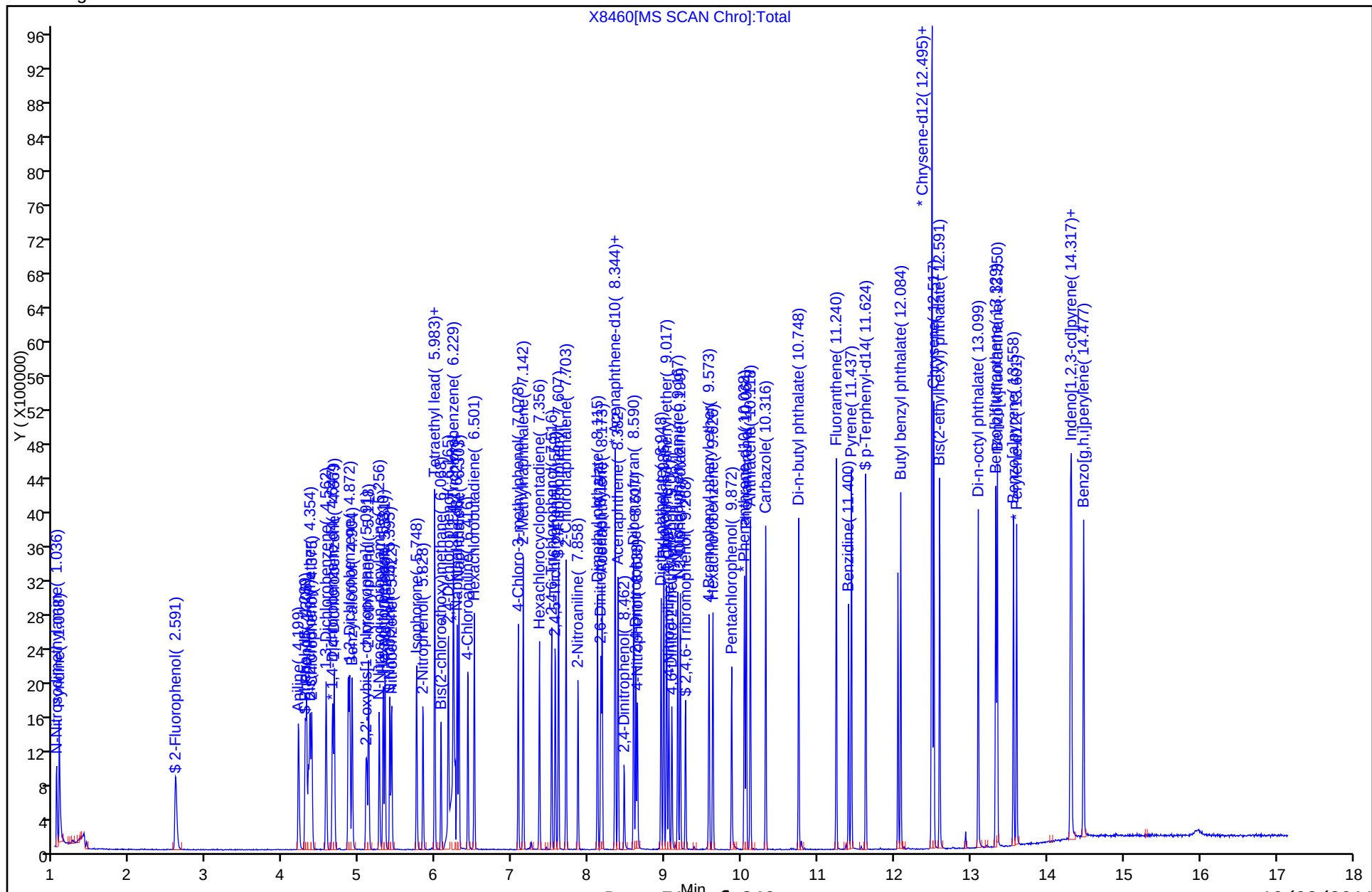
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

X8460[MS SCAN Chro]:Total

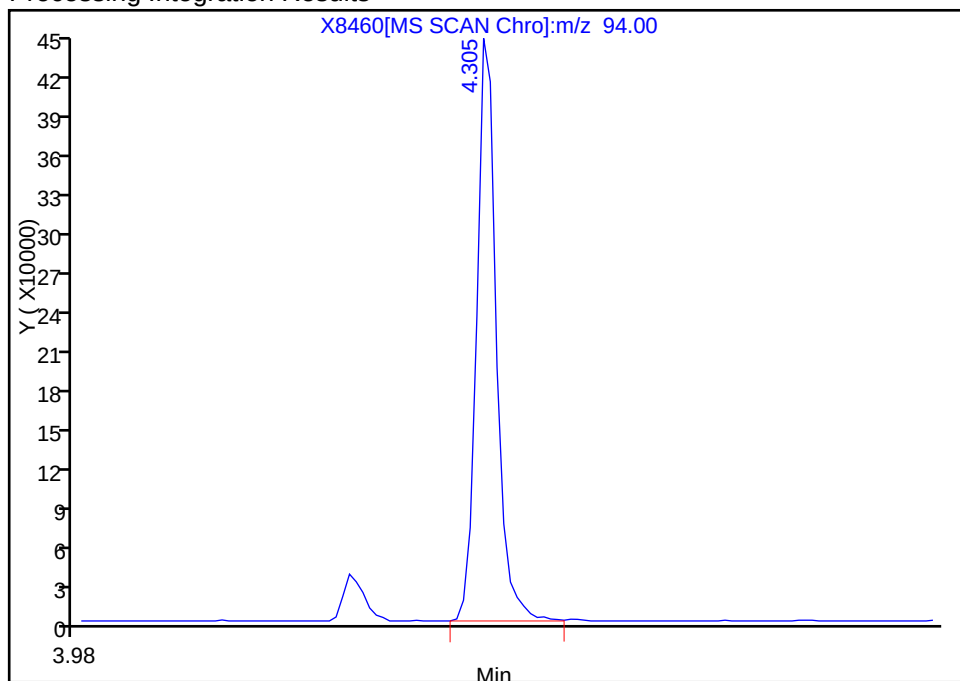


Data File:	\\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8460.D		
Injection Date:	28-Sep-2011 10:50:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	33187	Lims Sample ID:	2
Operator ID:	MKP/RJF	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

63 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 4.31

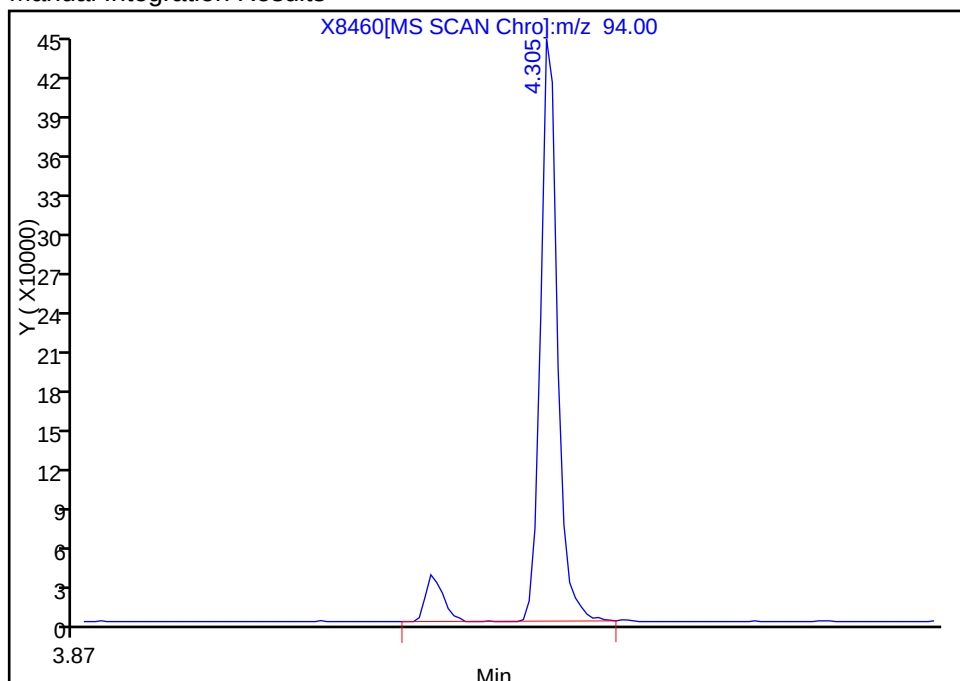
RT: 4.31
Response: 490892
Amount: 47.762338

Processing Integration Results



RT: 4.31
Response: 528500
Amount: 51.421485

Manual Integration Results



Reviewer: pagem, 28-Sep-2011 11:46:44

Audit Action: Manually Integrated

Audit Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Lab Sample ID: CCV 480-33187/3 Calibration Date: 09/28/2011 11:13
Instrument ID: HP5973X Calib Start Date: 09/01/2011 15:55
GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 09/01/2011 17:48
Lab File ID: X8461.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	0.9783	1.078	0.0100	55100	50000	10.2	40.0
Acetophenone	Ave	1.766	1.758	0.0100	49800	50000	-0.5	40.0
Caprolactam	Lin1		0.0970	0.0100	54300	50000	8.6	40.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5865	0.5766	0.0100	49200	50000	-1.7	40.0
Biphenyl	Ave	1.405	1.376	0.0100	49000	50000	-2.0	40.0
2,3,4,6-Tetrachlorophenol	Ave	0.3024	0.3220	0.0100	53200	50000	6.5	40.0
Atrazine	Ave	0.3775	0.4014	0.0100	53200	50000	6.3	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8461.D
 Lims ID: CCV TCLADD Client ID:
 Inject. Date: 28-Sep-2011 11:13:30 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: CCV
 Misc. Info.: CCVTCLADD
 Operator: MKP/RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 33187 Lims Sample ID: 3
 Sublist: chrom-X-8270*sub4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X-8270.m
 Last Update: 28-Sep-2011 12:29:00 Calib Date: 09-Sep-2011 14:37:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7706.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 28-Sep-2011 11:48:12

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.647	4.647	0.0	97	362251	40.0	
* 2 Naphthalene-d8	136	6.277	6.277	0.0	99	1295835	40.0	
* 3 Acenaphthene-d10	164	8.344	8.344	0.0	92	785481	40.0	
* 4 Phenanthrene-d10	188	10.038	10.038	0.0	97	1310186	40.0	
* 5 Chrysene-d12	240	12.495	12.495	0.0	97	1404140	40.0	
* 6 Perylene-d12	264	13.601	13.601	0.0	97	1544733	40.0	
62 Benzaldehyde	77	4.006	4.006	0.0	86	488338	55.1	
76 Acetophenone	105	5.219	5.219	0.0	94	795991	49.8	
105 Caprolactam	113	6.816	6.816	0.0	67	157116	54.3	
117 1,2,4,5-Tetrachlorobenzene	216	7.351	7.351	0.0	97	566119	49.2	
123 1,1'-Biphenyl	154	7.709	7.709	0.0	96	1351184	49.0	
140 2,3,4,6-Tetrachlorophenol	232	8.766	8.766	0.0	74	316147	53.2	
163 Atrazine	200	9.835	9.835	0.0	93	394062	53.2	

Report Date: 28-Sep-2011 12:29:00

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8461.D

Injection Date: 28-Sep-2011 11:13:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 33187

Lims Sample ID: 3

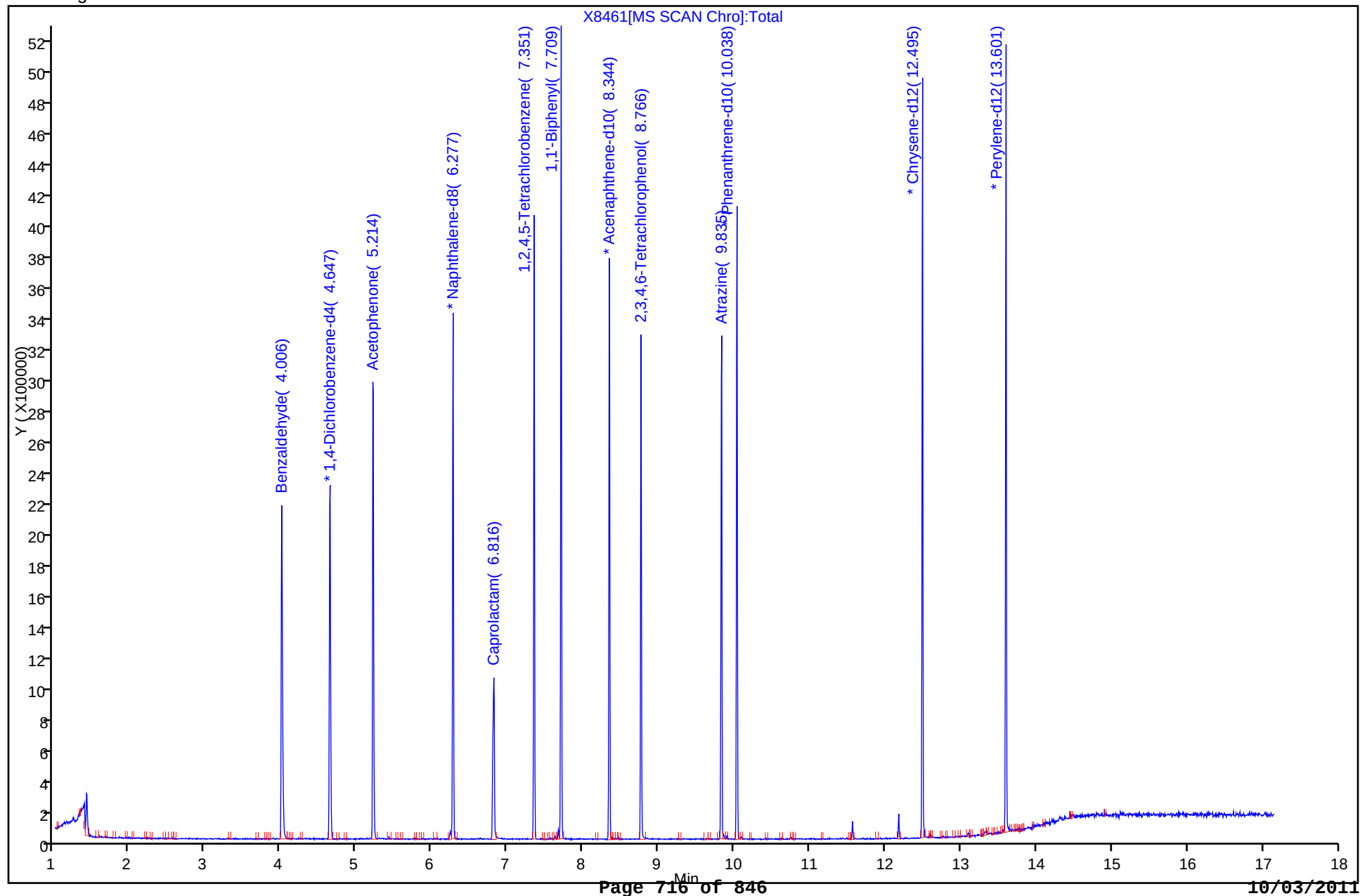
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4138.D
Lims ID: DFTPP Client ID:
Inject. Date: 14-Sep-2011 14:46:30 Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: 480-0005961-001
Misc. Info.: DFTPP
Operator: RMM Instrument ID: HP5973U
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 31234 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U-8270.m
Last Update: 15-Sep-2011 09:43:39 Calib Date: 14-Sep-2011 21:40:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 15-Sep-2011 09:43:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 Pentachlorophenol_T	266	6.858	6.858	0.0	86	192201	0	
114 DFTPP								
130 Benzidine_T	184	8.258	8.258	0.0	97	1278277	0	
134 4,4'-DDE	246	8.429	8.429	0.0	1	949	0	
137 4,4'-DDD	235	8.717	8.717	0.0	1	1920	0	
141 4,4'-DDT	235	8.974	8.974	0.0	95	681326	0	

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4138.D

Injection Date: 14-Sep-2011 14:46:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973U

Lims Batch ID: 31234

Lims Sample ID: 1

Operator ID: RMM

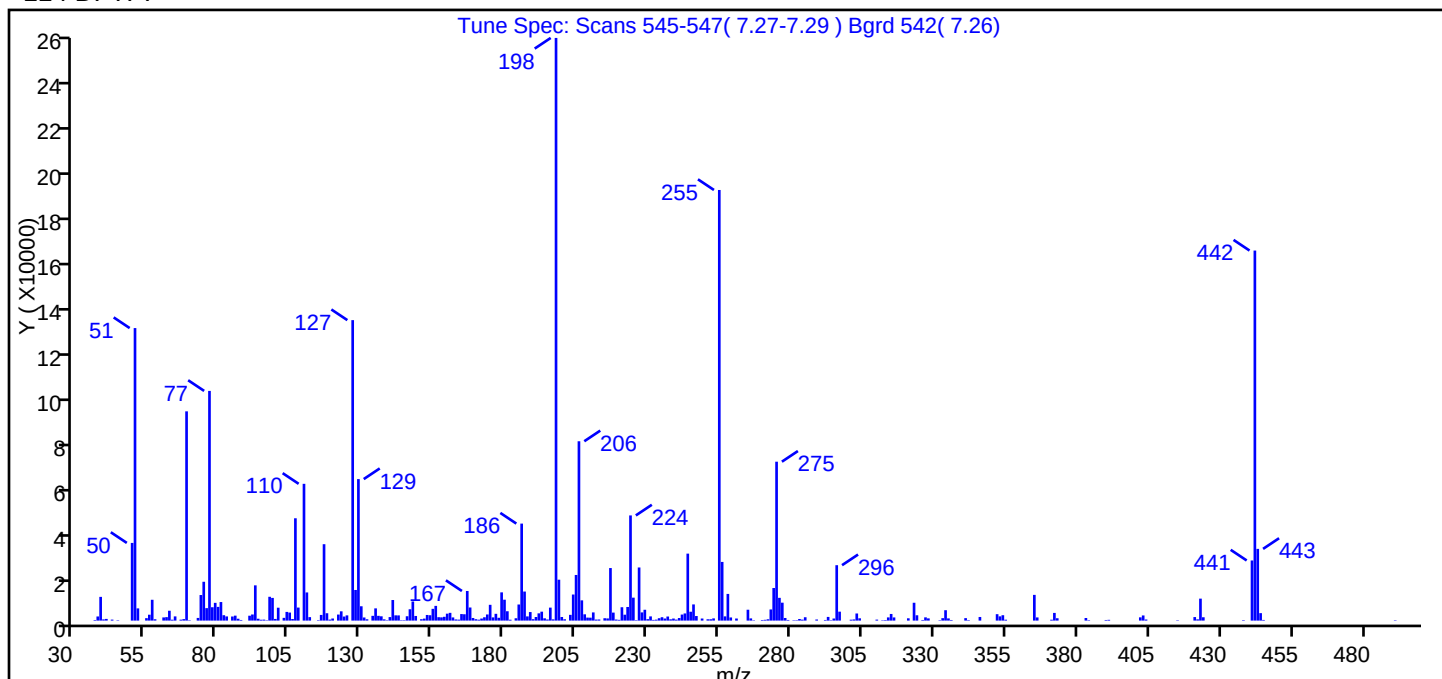
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Tune Method: DFTPP Method 8270

114 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	50.20
68	Less than 2.00% of mass 69	0.25 (0.70)
69	Present	35.91
70	Less than 2.00% of mass 69	0.07 (0.20)
127	40.00 - 60.00% of mass 198	51.57
197	Less than 1.00% of mass 198	0.21
199	5.00 - 9.00% of mass 198	7.02
275	10.00 - 30.00% of mass 198	27.27
365	Greater than 1.00% of mass 198	4.41
441	Present, but less than mass 443%	10.32 (83.83)
442	Greater than 40.00% of mass 198	63.51
443	17.00 - 23.00% of mass 442	12.31 (19.38)

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4138.D\U-8270.rslt\spectra.d
Injection Date: 14-Sep-2011 14:46:30
Spectrum: Tune Spec: Scans 545-547(7.27-7.29) Bgrd 542(7.26)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 271

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	261	127.00	129504	198.00	251136	277.00	7722
38.00	1779	128.00	13196	199.00	17624	278.00	1127
39.00	10226	129.00	60992	200.00	1553	279.00	272
40.00	524	130.00	6177	201.00	581	281.00	173
41.00	724	131.00	1342	203.00	2479	282.00	193
43.00	422	132.00	570	204.00	11240	283.00	692
45.00	176	134.00	2054	205.00	19664	284.00	416
50.00	33480	135.00	5270	206.00	77296	285.00	1442
51.00	126080	136.00	2053	207.00	8728	289.00	473
52.00	5265	137.00	1850	208.00	2708	292.00	273
55.00	1053	138.00	540	209.00	1289	293.00	1585
56.00	2536	139.00	183	210.00	1262	294.00	185
57.00	8973	140.00	1515	211.00	3526	295.00	901
58.00	574	141.00	8871	212.00	448	296.00	23880
61.00	1366	142.00	2265	213.00	475	297.00	3852
62.00	1490	143.00	2243	215.00	1021	301.00	388
63.00	4247	144.00	193	216.00	935	302.00	496
64.00	384	145.00	202	217.00	22648	303.00	3065
65.00	1813	146.00	1875	218.00	3446	304.00	989
67.00	403	147.00	4891	219.00	457	310.00	424
68.00	633	148.00	8235	220.00	327	312.00	172
69.00	90192	149.00	1997	221.00	5758	313.00	250
70.00	181	151.00	603	222.00	2541	314.00	1376
73.00	1147	152.00	860	223.00	5869	315.00	2860
74.00	11018	153.00	2429	224.00	45328	316.00	1365
75.00	16736	154.00	2307	225.00	9889	321.00	991
76.00	5370	155.00	5069	226.00	210	323.00	7692
77.00	99000	156.00	6340	227.00	22896	324.00	2294
78.00	5756	157.00	1467	228.00	3529	326.00	264
79.00	7648	158.00	1400	229.00	4670	327.00	1396
80.00	5908	159.00	1638	230.00	618	328.00	957
81.00	7996	160.00	2988	231.00	1812	332.00	189
82.00	2323	161.00	3343	232.00	301	333.00	1053

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4138.D\U-8270.rsl\spectra.d

Injection Date: 14-Sep-2011 14:46:30

Spectrum: Tune Spec: Scans 545-547(7.27-7.29) Bgrd 542(7.26)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 271

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	1802	162.00	1362	233.00	413	334.00	4475
85.00	1761	163.00	500	234.00	1023	335.00	946
86.00	2135	164.00	415	235.00	1452	336.00	262
87.00	805	165.00	2814	236.00	892	341.00	1060
88.00	269	166.00	2734	237.00	1758	342.00	223
91.00	2104	167.00	12756	238.00	550	346.00	1560
92.00	2635	168.00	5645	239.00	884	352.00	2766
93.00	15189	169.00	1127	240.00	426	353.00	1827
94.00	805	170.00	599	241.00	1100	354.00	2320
95.00	366	171.00	396	242.00	2603	355.00	387
96.00	423	172.00	881	243.00	3082	365.00	11086
97.00	176	173.00	1434	244.00	28864	366.00	1363
98.00	10266	174.00	2642	245.00	3823	371.00	384
99.00	9779	175.00	6804	246.00	6974	372.00	3312
100.00	713	176.00	1380	247.00	1967	373.00	1013
101.00	5555	177.00	2922	249.00	899	383.00	1118
103.00	1178	178.00	1213	251.00	568	384.00	208
104.00	3745	179.00	12171	252.00	574	390.00	264
105.00	3464	180.00	9008	253.00	949	391.00	335
106.00	684	181.00	4030	255.00	185600	402.00	1402
107.00	44104	182.00	376	256.00	25288	403.00	2217
108.00	5614	184.00	1010	257.00	1821	404.00	467
110.00	58952	185.00	6937	258.00	11496	415.00	175
111.00	12136	186.00	41808	259.00	1352	421.00	1516
112.00	1497	187.00	12520	261.00	900	422.00	548
115.00	205	188.00	1809	265.00	4685	423.00	9465
116.00	2443	189.00	3685	266.00	949	424.00	1439
117.00	32928	190.00	610	267.00	170	438.00	219
118.00	3174	191.00	1548	270.00	254	441.00	25912
119.00	423	192.00	3124	271.00	344	442.00	159488
120.00	902	193.00	3846	272.00	567	443.00	30912
122.00	2604	194.00	984	273.00	4806	444.00	3213
123.00	4000	195.00	474	274.00	14040	445.00	283
124.00	1748	196.00	5593	275.00	68488	491.00	176

Report Date: 15-Sep-2011 09:43:39

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4138.D\U-8270.rslt\spectra.d

Injection Date: 14-Sep-2011 14:46:30

Spectrum: Tune Spec: Scans 545-547(7.27-7.29) Bgrd 542(7.26)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 271

m/z	Y	m/z	Y	m/z	Y	m/z	Y
125.00	2251	197.00	533	276.00	9809		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4498.D
Lims ID: DFTPP Client ID:
Inject. Date: 23-Sep-2011 12:41:30 Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: 480-0006193-001
Misc. Info.: DFTPP
Operator: RMM Instrument ID: HP5973U
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 32612 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U-8270.m
Last Update: 23-Sep-2011 13:18:26 Calib Date: 14-Sep-2011 21:40:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 23-Sep-2011 13:18:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 Pentachlorophenol_T	266	6.815	6.815	0.0	84	228300	0	
114 DFTPP								
130 Benzidine_T	184	8.215	8.215	0.0	97	1757849	0	
134 4,4'-DDE	246		8.391					
137 4,4'-DDD	235		8.717					
141 4,4'-DDT	235	8.931	8.931	0.0	94	885171	0	

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4498.D

Injection Date: 23-Sep-2011 12:41:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 1

Operator ID: RMM

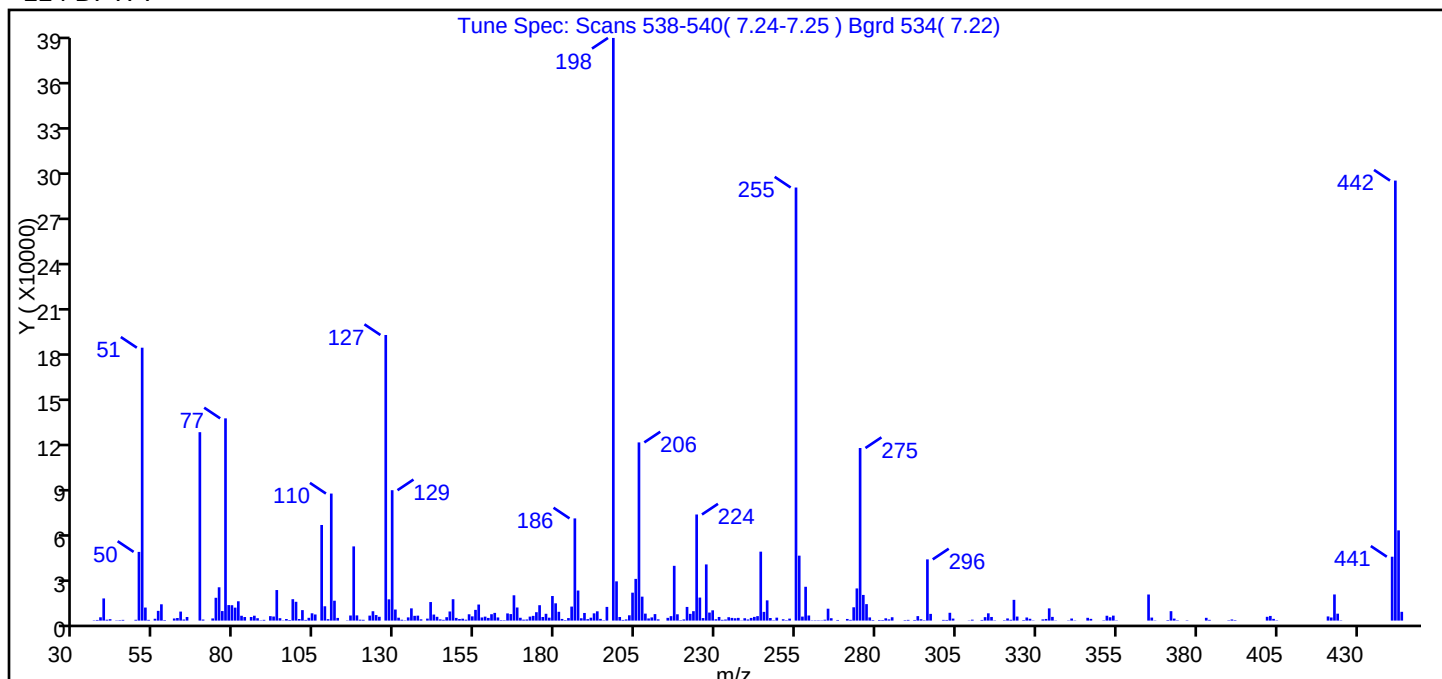
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Tune Method: DFTPP Method 8270

114 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	46.84
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	32.34
70	Less than 2.00% of mass 69	0.18 (0.56)
127	40.00 - 60.00% of mass 198	49.02
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.74
275	10.00 - 30.00% of mass 198	29.62
365	Greater than 1.00% of mass 198	4.48
441	Present, but less than mass 443%	10.96 (70.80)
442	Greater than 40.00% of mass 198	75.52
443	17.00 - 23.00% of mass 442	15.49 (20.51)

Data File: \\Bufchrom\ChromData\HP5973U\201110923-6193.b\U4498.D\U-8270.rslt\spectra.d
Injection Date: 23-Sep-2011 12:41:30
Spectrum: Tune Spec: Scans 538-540(7.24-7.25) Bgrd 534(7.22)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 290

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	220	128.00	14133	203.00	3533	284.00	812
37.00	424	129.00	86688	204.00	18568	285.00	2227
38.00	2200	130.00	7358	205.00	27728	289.00	318
39.00	14736	131.00	1926	206.00	118472	290.00	487
40.00	593	132.00	565	207.00	15920	292.00	417
41.00	938	133.00	216	208.00	4635	293.00	2986
43.00	197	134.00	2136	209.00	1430	294.00	889
44.00	295	135.00	8143	210.00	2130	295.00	267
45.00	481	136.00	3177	211.00	4315	296.00	40704
49.00	535	137.00	3296	212.00	840	297.00	4462
50.00	45680	138.00	852	215.00	1825	301.00	470
51.00	181440	140.00	1320	216.00	2965	302.00	426
52.00	8675	141.00	12334	217.00	36416	303.00	5201
53.00	494	142.00	4018	218.00	4195	304.00	1340
55.00	1220	143.00	2513	219.00	289	309.00	167
56.00	6475	144.00	816	220.00	775	310.00	612
57.00	10844	145.00	524	221.00	9084	313.00	433
58.00	360	146.00	2268	222.00	4485	314.00	2293
61.00	1404	147.00	6065	223.00	6262	315.00	4842
62.00	1723	148.00	14218	224.00	70544	316.00	2406
63.00	5992	149.00	1799	225.00	15316	317.00	208
64.00	730	150.00	1076	226.00	1682	320.00	286
65.00	2395	151.00	1258	227.00	37352	321.00	1443
69.00	125272	152.00	604	228.00	5333	322.00	543
70.00	697	153.00	4201	229.00	6835	323.00	13800
73.00	1441	154.00	2818	230.00	887	324.00	2683
74.00	15166	155.00	7132	231.00	2411	326.00	369
75.00	22152	156.00	10679	232.00	510	327.00	2067
76.00	6343	157.00	2094	233.00	723	328.00	1212
77.00	134464	158.00	2638	234.00	2251	329.00	170
78.00	10317	159.00	1778	235.00	1796	332.00	795
79.00	10232	160.00	4248	236.00	1556	333.00	1088
80.00	8623	161.00	5130	237.00	1810	334.00	8124

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4498.D\U-8270.rsl\spectra.d

Injection Date: 23-Sep-2011 12:41:30

Spectrum: Tune Spec: Scans 538-540(7.24-7.25) Bgrd 534(7.22)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 290

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	12840	162.00	2094	238.00	168	335.00	2462
82.00	3205	163.00	341	239.00	1576	336.00	169
83.00	2370	164.00	293	240.00	749	340.00	189
85.00	2386	165.00	4783	241.00	1776	341.00	1378
86.00	3249	166.00	4341	242.00	2458	342.00	187
87.00	1586	167.00	16824	243.00	2973	346.00	1849
88.00	209	168.00	8709	244.00	45832	347.00	1159
89.00	505	169.00	1883	245.00	5795	351.00	240
91.00	2956	170.00	633	246.00	13460	352.00	3225
92.00	2704	171.00	741	247.00	1722	353.00	2234
93.00	20312	172.00	2666	248.00	231	354.00	3303
94.00	1598	173.00	3140	249.00	1955	355.00	192
95.00	177	174.00	5582	251.00	877	365.00	17352
96.00	1048	175.00	10237	252.00	295	366.00	2006
97.00	398	176.00	2398	253.00	1311	367.00	179
98.00	14225	177.00	4529	255.00	287936	371.00	366
99.00	12498	178.00	1949	256.00	43176	372.00	6262
100.00	1068	179.00	16340	257.00	2660	373.00	1321
101.00	6961	180.00	11493	258.00	22488	374.00	252
102.00	459	181.00	5857	259.00	3392	377.00	239
103.00	1847	182.00	1103	260.00	202	383.00	1845
104.00	4858	183.00	345	261.00	237	384.00	494
105.00	4079	184.00	1678	262.00	235	390.00	251
107.00	63568	185.00	9315	263.00	189	391.00	746
108.00	9519	186.00	67944	264.00	594	392.00	335
109.00	953	187.00	20000	265.00	7912	402.00	2516
110.00	84464	188.00	1563	266.00	1584	403.00	3102
111.00	13218	189.00	5074	268.00	415	404.00	1144
112.00	1783	190.00	969	271.00	1094	405.00	211
115.00	189	191.00	1925	272.00	501	421.00	2766
116.00	3386	192.00	4826	273.00	8852	422.00	2063
117.00	49336	193.00	6176	274.00	21384	423.00	17384
118.00	3460	194.00	1140	275.00	114744	424.00	4606
119.00	605	195.00	225	276.00	17064	425.00	210

Report Date: 23-Sep-2011 13:18:27

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4498.D\U-8270.rslt\spectra.d

Injection Date: 23-Sep-2011 12:41:30

Spectrum: Tune Spec: Scans 538-540(7.24-7.25) Bgrd 534(7.22)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 290

m/z	Y	m/z	Y	m/z	Y	m/z	Y
120.00	535	196.00	9104	277.00	10951	441.00	42472
122.00	3314	198.00	387392	278.00	2118	442.00	292544
123.00	6218	199.00	26096	279.00	368	443.00	59992
124.00	3680	200.00	2394	281.00	409	444.00	5840
125.00	2529	201.00	447	282.00	384		
127.00	189888	202.00	790	283.00	1528		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4526.D
Lims ID: DFTPP Client ID:
Inject. Date: 26-Sep-2011 13:56:30 Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: 480-0006230-001
Misc. Info.: DFTPP
Operator: RMM Instrument ID: HP5973U
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 32845 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U-8270.m
Last Update: 26-Sep-2011 14:45:38 Calib Date: 14-Sep-2011 21:40:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 26-Sep-2011 14:45:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 Pentachlorophenol_T	266	6.810	6.810	0.0	84	238728	0	
114 DFTPP								
130 Benzidine_T	184	8.215	8.215	0.0	98	1658865	0	
134 4,4'-DDE	246	8.375	8.375	0.0	1	1170	0	
137 4,4'-DDD	235	8.669	8.669	0.0	1	3905	0	
141 4,4'-DDT	235	8.925	8.925	0.0	94	806292	0	

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4526.D

Injection Date: 26-Sep-2011 13:56:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 1

Operator ID: RMM

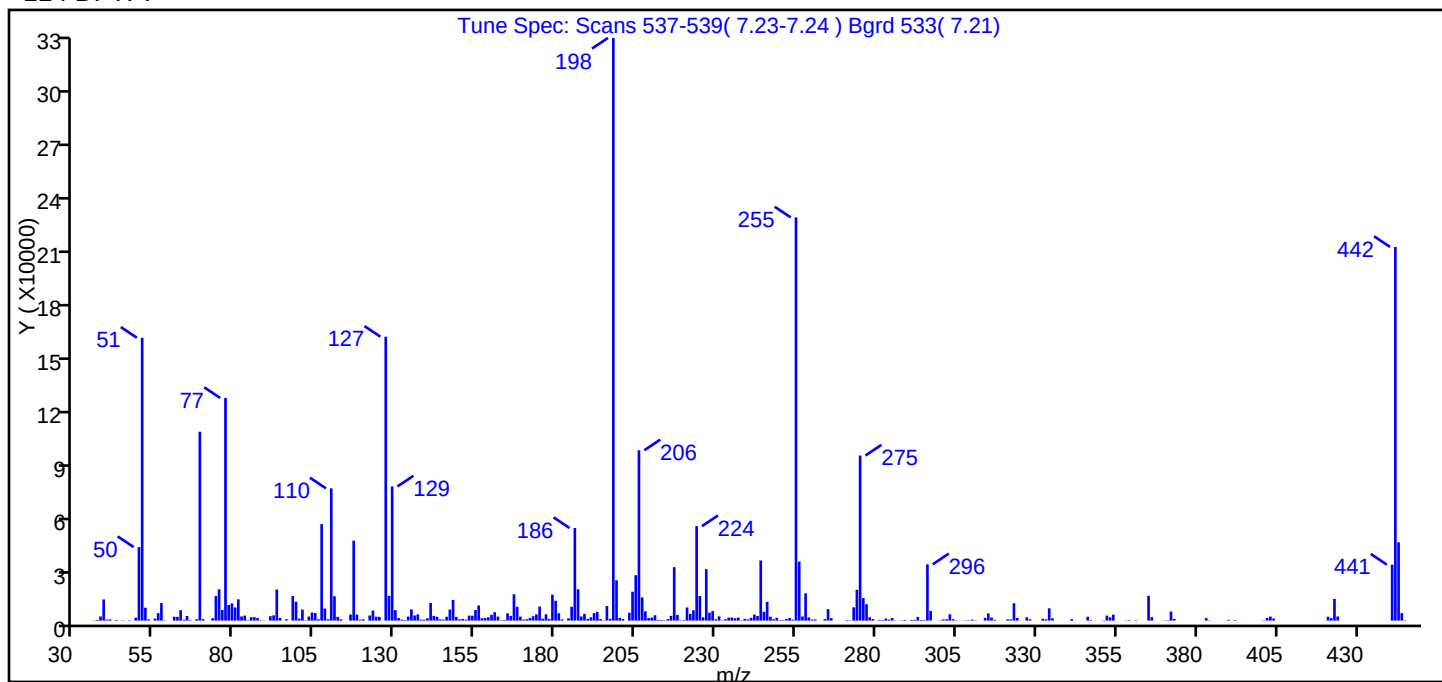
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Tune Method: DFTPP Method 8270

114 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	48.55
68	Less than 2.00% of mass 69	0.25 (0.76)
69	Present	32.41
70	Less than 2.00% of mass 69	0.26 (0.79)
127	40.00 - 60.00% of mass 198	48.72
197	Less than 1.00% of mass 198	0.31
199	5.00 - 9.00% of mass 198	6.92
275	10.00 - 30.00% of mass 198	28.33
365	Greater than 1.00% of mass 198	4.25
441	Present, but less than mass 443%	9.61 (71.48)
442	Greater than 40.00% of mass 198	64.13
443	17.00 - 23.00% of mass 442	13.44 (20.95)

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4526.D\U-8270.rslt\spectra.d
Injection Date: 26-Sep-2011 13:56:30
Spectrum: Tune Spec: Scans 537-539(7.23-7.24) Bgrd 533(7.21)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 291

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	173	125.00	2097	200.00	1537	281.00	356
37.00	426	127.00	159872	201.00	870	282.00	283
38.00	2317	128.00	13947	203.00	4374	283.00	1204
39.00	11905	129.00	75560	204.00	16241	284.00	604
40.00	531	130.00	5902	205.00	25584	285.00	1464
41.00	701	131.00	1437	206.00	95920	286.00	184
43.00	377	132.00	568	207.00	13057	288.00	174
45.00	201	133.00	349	208.00	5225	289.00	382
47.00	247	134.00	2247	209.00	1429	291.00	390
49.00	1663	135.00	6310	210.00	1714	292.00	431
50.00	41416	136.00	2884	211.00	3012	293.00	2075
51.00	159296	137.00	3504	212.00	419	294.00	339
52.00	7224	138.00	547	213.00	394	295.00	413
53.00	676	139.00	561	214.00	191	296.00	31704
55.00	1131	140.00	1289	215.00	860	297.00	5477
56.00	4191	141.00	9940	216.00	2653	300.00	187
57.00	9889	142.00	2649	217.00	30096	301.00	637
58.00	188	143.00	2175	218.00	3192	302.00	769
61.00	2157	144.00	723	219.00	199	303.00	3545
62.00	2111	145.00	512	220.00	349	304.00	783
63.00	5874	146.00	2178	221.00	7402	305.00	171
64.00	481	147.00	6189	222.00	3786	308.00	194
65.00	2598	148.00	11630	223.00	5769	309.00	234
66.00	277	149.00	2086	224.00	53184	310.00	565
68.00	813	150.00	677	225.00	13887	311.00	167
69.00	106352	151.00	931	226.00	1827	314.00	1559
70.00	840	152.00	560	227.00	28952	315.00	4069
73.00	1335	153.00	2810	228.00	4450	316.00	1708
74.00	13806	154.00	2735	229.00	5454	317.00	467
75.00	17592	155.00	5962	230.00	767	321.00	723
76.00	6021	156.00	8537	231.00	2401	322.00	666
77.00	125384	157.00	1325	232.00	171	323.00	9758
78.00	8759	158.00	1468	233.00	773	324.00	1516

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4526.D\U-8270.rsl\spectra.d

Injection Date: 26-Sep-2011 13:56:30

Spectrum: Tune Spec: Scans 537-539(7.23-7.24) Bgrd 533(7.21)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 291

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	9693	159.00	1892	234.00	1656	327.00	1859
80.00	7406	160.00	3261	235.00	1728	328.00	771
81.00	11991	161.00	4716	236.00	1340	332.00	1017
82.00	2335	162.00	2233	237.00	1714	333.00	695
83.00	2835	163.00	228	238.00	183	334.00	6920
84.00	257	164.00	345	239.00	965	335.00	1288
85.00	1929	165.00	4127	240.00	704	341.00	875
86.00	1966	166.00	2603	241.00	1594	346.00	2137
87.00	1454	167.00	14829	242.00	3365	347.00	279
88.00	194	168.00	7808	243.00	2583	351.00	196
89.00	166	169.00	2250	244.00	33840	352.00	2808
91.00	2478	170.00	560	245.00	4936	353.00	1846
92.00	2942	171.00	772	246.00	10623	354.00	3391
93.00	17480	172.00	1480	247.00	2199	358.00	171
94.00	1534	173.00	2485	248.00	755	359.00	278
96.00	770	174.00	3451	249.00	1609	361.00	258
98.00	13814	175.00	7929	250.00	251	365.00	13951
99.00	10633	176.00	1067	251.00	309	366.00	1921
100.00	1102	177.00	3557	252.00	958	370.00	170
101.00	6189	178.00	923	253.00	1543	371.00	211
102.00	202	179.00	14635	254.00	562	372.00	5088
103.00	2274	180.00	11163	255.00	227072	373.00	956
104.00	4532	181.00	4177	256.00	33192	383.00	1407
105.00	4307	182.00	685	257.00	2330	384.00	180
106.00	759	184.00	1267	258.00	15363	390.00	477
107.00	54328	185.00	7840	259.00	1805	392.00	311
108.00	6782	186.00	52136	260.00	577	401.00	222
109.00	795	187.00	17632	261.00	628	402.00	1475
110.00	74464	188.00	2341	264.00	866	403.00	2265
111.00	13705	189.00	3814	265.00	6459	404.00	1152
112.00	2093	190.00	936	266.00	1424	421.00	2175
113.00	757	191.00	1842	271.00	322	422.00	1384
116.00	3405	192.00	4222	272.00	174	423.00	12227
117.00	45016	193.00	5006	273.00	7479	424.00	2301

Report Date: 26-Sep-2011 14:45:38

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4526.D\U-8270.rslt\spectra.d

Injection Date: 26-Sep-2011 13:56:30

Spectrum: Tune Spec: Scans 537-539(7.23-7.24) Bgrd 533(7.21)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 291

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	3400	194.00	869	274.00	17352	441.00	31520
119.00	520	195.00	174	275.00	92960	442.00	210432
120.00	752	196.00	8222	276.00	12690	443.00	44096
122.00	2876	197.00	1024	277.00	9233	444.00	4201
123.00	5644	198.00	328128	278.00	1846	445.00	227
124.00	2197	199.00	22696	279.00	865		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X7374.D
 Lims ID: DFTPP Client ID:
 Inject. Date: 01-Sep-2011 13:22:30 Dil. Factor: 1.0000
 Sample Type: DFTPP
 Sample ID: 480-0005709-001
 Misc. Info.: DFTPP
 Operator: MKP Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 29803 Lims Sample ID: 1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X-8270.m
 Last Update: 02-Sep-2011 07:45:57 Calib Date: 01-Sep-2011 23:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X7400.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 01-Sep-2011 14:21:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
84 Pentachlorophenol_T 93 DFTPP	266	6.135	6.135	0.0	81	111372	0	
109 Benzidine_T	184	7.508	7.508	0.0	97	613391	0	
111 4,4'-DDE	246	7.679	7.679	0.0	1	222	0	M
115 4,4'-DDD	235		8.032					
120 4,4'-DDT	235	8.208	8.208	0.0	96	359923	0	

QC Flag Legend

Review Flags

M - Manually Integrated

Data File: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X7374.D

Injection Date: 01-Sep-2011 13:22:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 29803

Lims Sample ID: 1

Operator ID: MKP

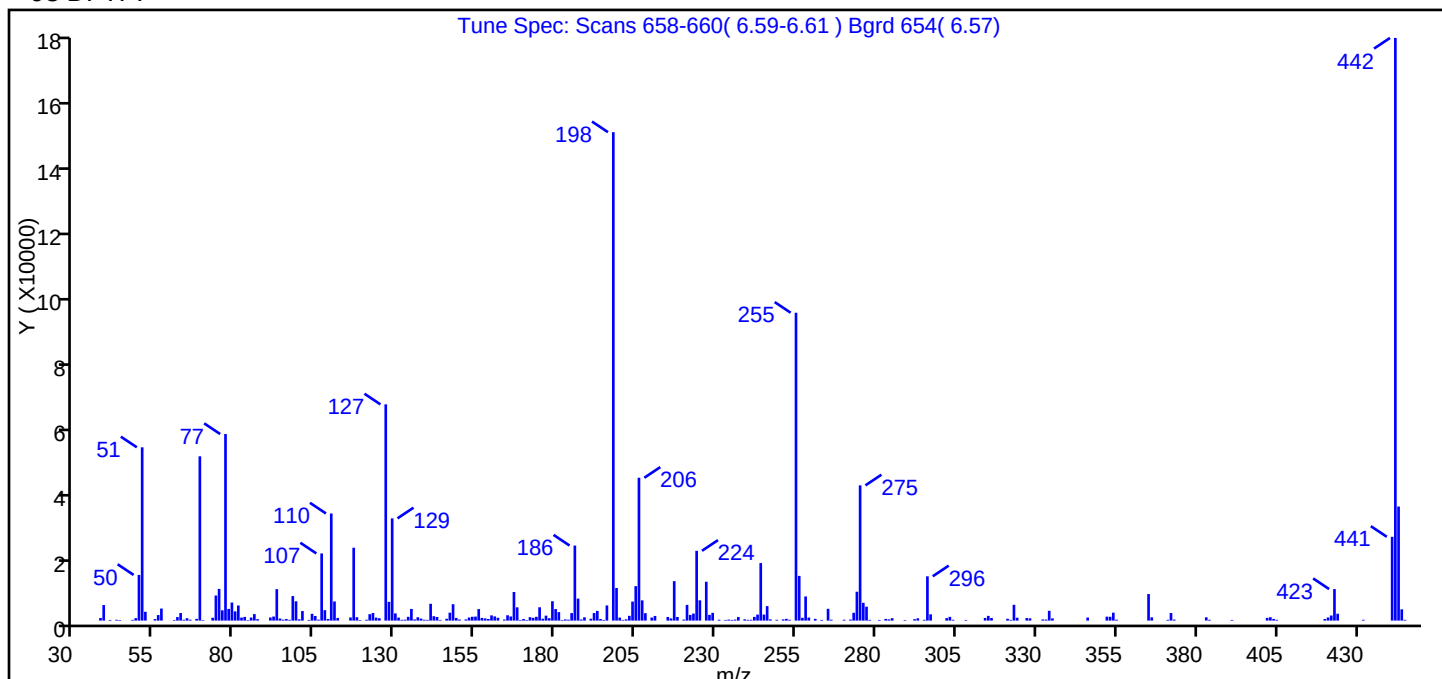
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Tune Method: DFTPP Method 8270

93 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	35.48
68	Less than 2.00% of mass 69	0.36 (1.06)
69	Present	33.64
70	Less than 2.00% of mass 69	0.12 (0.35)
127	40.00 - 60.00% of mass 198	44.27
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.67
275	10.00 - 30.00% of mass 198	27.69
365	Greater than 1.00% of mass 198	5.44
441	Present, but less than mass 443%	17.15 (73.46)
442	Greater than 40.00% of mass 198	119.30
443	17.00 - 23.00% of mass 442	23.35 (19.57)

Data File: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X7374.D\X-8270.rslt\spectra.d
Injection Date: 01-Sep-2011 13:22:30
Spectrum: Tune Spec: Scans 658-660(6.59-6.61) Bgrd 654(6.57)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 250

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	785	122.00	1910	189.00	990	273.00	2329
39.00	4635	123.00	2268	191.00	557	274.00	8611
41.00	206	124.00	888	192.00	2254	275.00	40312
43.00	247	125.00	711	193.00	2893	276.00	5297
44.00	175	127.00	64456	194.00	487	277.00	4144
48.00	225	128.00	5595	195.00	208	278.00	224
49.00	739	129.00	30480	196.00	4522	281.00	195
50.00	13610	130.00	2148	198.00	145600	283.00	505
51.00	51656	131.00	890	199.00	9715	284.00	362
52.00	2632	132.00	230	200.00	899	285.00	720
55.00	446	133.00	288	201.00	202	289.00	182
56.00	1649	134.00	1125	202.00	384	292.00	417
57.00	3587	135.00	3473	203.00	1428	293.00	683
61.00	191	136.00	355	204.00	5674	295.00	244
62.00	1052	137.00	1006	205.00	10272	296.00	13205
63.00	2264	138.00	584	206.00	42576	297.00	1865
64.00	253	139.00	260	207.00	6031	302.00	738
65.00	709	140.00	220	208.00	2213	303.00	1113
66.00	271	141.00	5005	210.00	910	304.00	245
68.00	519	142.00	1307	211.00	1384	308.00	193
69.00	48976	143.00	1074	215.00	1086	314.00	787
70.00	171	144.00	196	216.00	643	315.00	1408
73.00	845	146.00	547	217.00	11757	316.00	785
74.00	7480	147.00	2361	218.00	1077	321.00	546
75.00	9448	148.00	4888	220.00	309	322.00	216
76.00	3071	149.00	800	221.00	4683	323.00	4705
77.00	55616	150.00	328	222.00	1686	324.00	848
78.00	3482	152.00	358	223.00	2097	327.00	758
79.00	5382	153.00	918	224.00	20808	328.00	677
80.00	2747	154.00	1147	225.00	6049	332.00	345
81.00	4509	155.00	1194	227.00	11586	333.00	310
82.00	900	156.00	3431	228.00	1706	334.00	2916
83.00	1105	157.00	800	229.00	2311	335.00	659

Data File: \\Bufchrom\ChromData\HP5973X\20110901-5709.b\X7374.D\X-8270.rslt\spectra.d

Injection Date: 01-Sep-2011 13:22:30

Spectrum: Tune Spec: Scans 658-660(6.59-6.61) Bgrd 654(6.57)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 250

m/z	Y	m/z	Y	m/z	Y	m/z	Y
84.00	167	158.00	660	231.00	267	346.00	905
85.00	919	159.00	473	233.00	207	352.00	1178
86.00	1942	160.00	1559	234.00	299	353.00	1133
87.00	435	161.00	1249	235.00	204	354.00	2362
91.00	922	162.00	847	236.00	309	355.00	277
92.00	1211	164.00	318	237.00	1076	365.00	7918
93.00	9377	165.00	1593	239.00	394	366.00	969
94.00	611	166.00	1228	240.00	227	371.00	234
95.00	281	167.00	8521	241.00	241	372.00	2259
96.00	469	168.00	3954	242.00	1109	373.00	311
97.00	238	169.00	194	243.00	1800	383.00	985
98.00	7310	170.00	477	244.00	17152	384.00	243
99.00	5757	171.00	182	245.00	1798	391.00	207
100.00	388	172.00	1026	246.00	4318	402.00	810
101.00	2851	173.00	830	247.00	369	403.00	1005
103.00	211	174.00	1129	249.00	239	404.00	498
104.00	2020	175.00	3976	251.00	367	405.00	233
105.00	1378	176.00	560	252.00	529	420.00	476
106.00	278	177.00	1477	253.00	245	421.00	929
107.00	20024	178.00	719	255.00	91776	422.00	1517
108.00	3109	179.00	5773	256.00	13327	423.00	9395
109.00	491	180.00	3446	257.00	826	424.00	2047
110.00	31936	181.00	2522	258.00	7192	432.00	244
111.00	5703	182.00	183	259.00	901	441.00	24976
112.00	788	183.00	365	261.00	521	442.00	173696
116.00	933	184.00	274	263.00	209	443.00	34000
117.00	21728	185.00	2240	265.00	3510	444.00	3360
118.00	1008	186.00	22376	266.00	264	445.00	223
119.00	181	187.00	6556	270.00	258		
121.00	262	188.00	319	272.00	318		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7696.D
Lims ID: DFTPP Client ID:
Inject. Date: 09-Sep-2011 11:35:30 Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: DFTPP
Misc. Info.: DFTPP
Operator: MKP Instrument ID: HP5973X
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 30575 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X-8270.m
Last Update: 13-Sep-2011 10:42:31 Calib Date: 09-Sep-2011 14:37:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7706.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

Date: 13-Sep-2011 10:42:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
84 Pentachlorophenol_T 93 DFTPP	266	5.922	5.922	0.0	84	137644	0	
109 Benzidine_T	184	7.305	7.305	0.0	98	822536	0	
111 4,4'-DDE	246	7.482	7.482	0.0	1	1903	0	
115 4,4'-DDD	235	7.759	7.759	0.0	1	3529	0	
120 4,4'-DDT	235	8.011	8.011	0.0	96	405083	0	

Data File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7696.D

Injection Date: 09-Sep-2011 11:35:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 30575

Lims Sample ID: 1

Operator ID: MKP

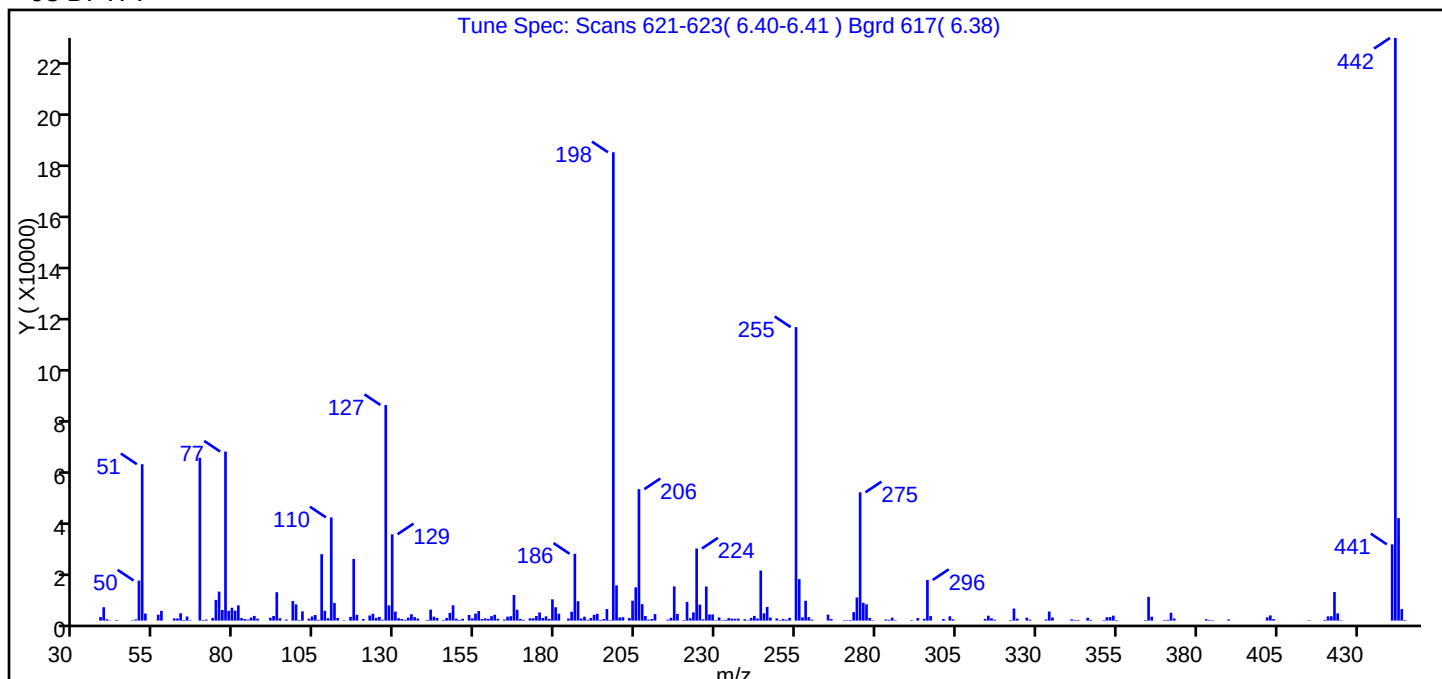
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Tune Method: DFTPP Method 8270

93 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	33.40
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	34.76
70	Less than 2.00% of mass 69	0.13 (0.38)
127	40.00 - 60.00% of mass 198	46.03
197	Less than 1.00% of mass 198	0.11
199	5.00 - 9.00% of mass 198	7.52
275	10.00 - 30.00% of mass 198	27.39
365	Greater than 1.00% of mass 198	5.07
441	Present, but less than mass 443%	16.29 (74.45)
442	Greater than 40.00% of mass 198	124.42
443	17.00 - 23.00% of mass 442	21.88 (17.58)

Data File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7696.D\X-8270.rslt\spectra.d
Injection Date: 09-Sep-2011 11:35:30
Spectrum: Tune Spec: Scans 621-623(6.40-6.41) Bgrd 617(6.38)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 255

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	1405	126.00	319	198.00	183744	277.00	6373
39.00	5242	127.00	84576	199.00	13821	278.00	1066
40.00	535	128.00	5960	200.00	1230	279.00	179
41.00	129	129.00	33872	201.00	1345	283.00	421
43.00	259	130.00	3536	203.00	1004	284.00	323
48.00	184	131.00	937	204.00	7798	285.00	1153
49.00	445	132.00	644	205.00	13052	286.00	184
50.00	15711	133.00	342	206.00	51560	291.00	215
51.00	61368	134.00	1164	207.00	6455	293.00	1028
52.00	2769	135.00	2497	208.00	1789	295.00	704
56.00	2311	136.00	1375	209.00	400	296.00	15939
57.00	3827	137.00	810	210.00	634	297.00	1831
61.00	876	140.00	280	211.00	2535	301.00	627
62.00	854	141.00	4300	215.00	394	303.00	1685
63.00	2885	142.00	1539	216.00	1106	304.00	507
64.00	246	143.00	1066	217.00	13418	314.00	631
65.00	1609	145.00	263	218.00	2632	315.00	1920
66.00	183	146.00	1047	220.00	242	316.00	909
69.00	63864	147.00	3049	221.00	7338	317.00	345
70.00	242	148.00	6013	222.00	920	322.00	257
71.00	406	149.00	769	223.00	3208	323.00	4739
73.00	1057	150.00	270	224.00	28280	324.00	750
74.00	8123	151.00	717	225.00	6277	327.00	1149
75.00	11369	153.00	2228	226.00	500	328.00	386
76.00	4166	154.00	881	227.00	13372	333.00	429
77.00	66312	155.00	2722	228.00	2400	334.00	3554
78.00	3827	156.00	3735	229.00	2440	335.00	1239
79.00	5030	157.00	600	230.00	185	341.00	519
80.00	3905	158.00	896	231.00	1258	342.00	241
81.00	5984	159.00	684	232.00	179	343.00	265
82.00	983	160.00	1749	233.00	299	346.00	1119
83.00	606	161.00	2294	234.00	977	347.00	283
84.00	398	162.00	714	235.00	801	351.00	212

Data File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7696.D\X-8270.rslt\spectra.d

Injection Date: 09-Sep-2011 11:35:30

Spectrum: Tune Spec: Scans 621-623(6.40-6.41) Bgrd 617(6.38)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 255

m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	1193	164.00	437	236.00	731	352.00	1322
86.00	1836	165.00	1541	237.00	770	353.00	1396
87.00	762	166.00	1718	239.00	547	354.00	1956
91.00	1091	167.00	10062	240.00	180	355.00	247
92.00	1822	168.00	4247	241.00	1031	364.00	222
93.00	11147	169.00	633	242.00	1840	365.00	9314
94.00	925	170.00	326	243.00	814	366.00	1541
96.00	432	172.00	874	244.00	19640	370.00	233
98.00	7664	173.00	932	245.00	2868	371.00	311
99.00	6373	174.00	1798	246.00	5376	372.00	3071
100.00	235	175.00	3191	247.00	1186	373.00	819
101.00	3619	176.00	1027	249.00	890	383.00	556
103.00	738	177.00	1666	250.00	208	384.00	258
104.00	1627	178.00	667	251.00	645	385.00	175
105.00	2190	179.00	8351	252.00	363	390.00	448
106.00	282	180.00	5234	253.00	1099	402.00	1263
107.00	26064	181.00	2676	255.00	115144	403.00	2021
108.00	3848	184.00	825	256.00	16259	404.00	609
109.00	956	185.00	3492	257.00	1285	415.00	174
110.00	40496	186.00	26216	258.00	7798	420.00	290
111.00	6897	187.00	7604	259.00	1368	421.00	1671
112.00	1042	188.00	810	260.00	386	422.00	1712
114.00	194	189.00	1540	265.00	2333	423.00	11205
116.00	1473	190.00	321	266.00	602	424.00	2845
117.00	24208	191.00	1028	270.00	199	425.00	175
118.00	2263	192.00	2287	271.00	198	441.00	29928
120.00	651	193.00	2666	272.00	227	442.00	228608
122.00	2016	194.00	278	273.00	3315	443.00	40200
123.00	2675	195.00	600	274.00	9085	444.00	4524
124.00	1083	196.00	4551	275.00	50328	445.00	231
125.00	1455	197.00	204	276.00	6985		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8402.D
Lims ID: DFTPP Client ID:
Inject. Date: 27-Sep-2011 11:01:30 Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: DFTPP
Misc. Info.: DFTPP
Operator: MKP/RJF Instrument ID: HP5973X
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 32985 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X-8270.m
Last Update: 27-Sep-2011 13:18:35 Calib Date: 09-Sep-2011 14:37:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7706.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 27-Sep-2011 11:35:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
84 Pentachlorophenol_T 93 DFTPP	266	5.532	5.532	0.0	86	271976	0	
109 Benzidine_T	184	6.953	6.953	0.0	98	1165796	0	
111 4,4'-DDE	246		7.124					
115 4,4'-DDD	235		7.412					
120 4,4'-DDT	235	7.658	7.658	0.0	96	651931	0	

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8402.D

Injection Date: 27-Sep-2011 11:01:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 32985

Lims Sample ID: 1

Operator ID: MKP/RJF

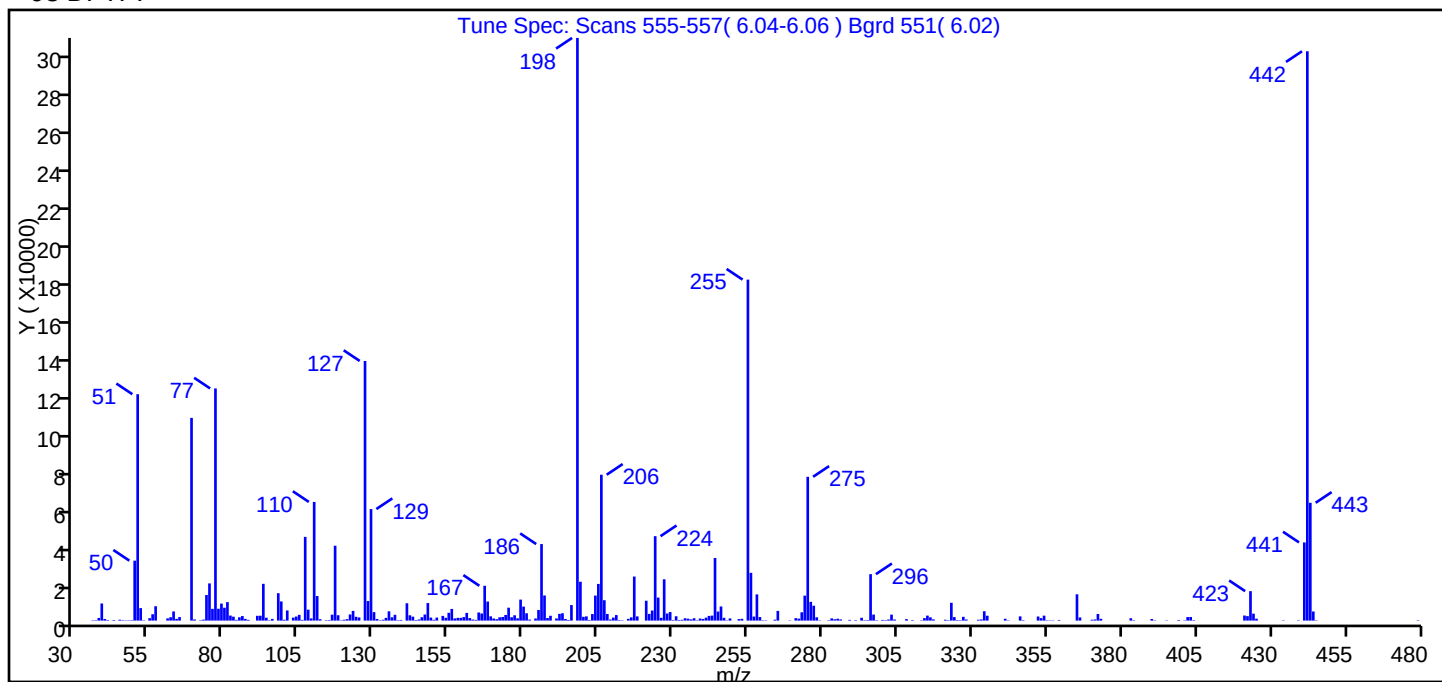
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Tune Method: DFTPP Method 8270

93 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	38.85
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	34.79
70	Less than 2.00% of mass 69	0.20 (0.58)
127	40.00 - 60.00% of mass 198	44.56
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.66
275	10.00 - 30.00% of mass 198	24.68
365	Greater than 1.00% of mass 198	4.51
441	Present, but less than mass 443%	13.42 (66.36)
442	Greater than 40.00% of mass 198	97.71
443	17.00 - 23.00% of mass 442	20.22 (20.69)

Data File: \\Bufchrom\ChromData\HP5973X\201110927-6253.b\X8402.D\X-8270.rslt\spectra.d

Injection Date: 27-Sep-2011 11:01:30

Spectrum: Tune Spec: Scans 555-557(6.04-6.06) Bgrd 551(6.02)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 289

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	215	124.00	2015	203.00	3449	293.00	1488
37.00	252	125.00	1660	204.00	13220	294.00	222
38.00	1393	127.00	137088	205.00	19368	295.00	295
39.00	9035	128.00	10341	206.00	77024	296.00	24520
40.00	862	129.00	58896	207.00	10769	297.00	3181
41.00	293	130.00	4483	208.00	3514	298.00	220
43.00	312	131.00	848	209.00	568	300.00	359
45.00	474	132.00	223	210.00	1604	301.00	244
46.00	244	133.00	445	211.00	2921	302.00	563
47.00	174	134.00	1443	212.00	274	303.00	3145
48.00	197	135.00	4900	213.00	184	304.00	567
49.00	247	136.00	1742	215.00	935	308.00	792
50.00	31648	137.00	3060	216.00	1720	310.00	275
51.00	119536	138.00	241	217.00	23264	313.00	195
52.00	6599	139.00	333	218.00	2225	314.00	1318
53.00	203	141.00	9154	221.00	10487	315.00	2630
55.00	1280	142.00	2812	222.00	3520	316.00	1724
56.00	3368	143.00	2072	223.00	5317	317.00	633
57.00	7575	144.00	302	224.00	44584	321.00	461
61.00	1170	145.00	577	225.00	12156	322.00	228
62.00	1780	146.00	1786	226.00	1462	323.00	9410
63.00	4833	147.00	3209	227.00	21808	324.00	1843
64.00	913	148.00	9267	228.00	3740	325.00	280
65.00	1861	149.00	1585	229.00	4520	326.00	238
69.00	107032	150.00	438	230.00	283	327.00	1980
70.00	621	151.00	1586	231.00	2289	328.00	584
72.00	236	153.00	2481	232.00	314	332.00	456
73.00	523	154.00	1488	233.00	413	333.00	597
74.00	13516	155.00	4113	234.00	1238	334.00	4940
75.00	19632	156.00	6161	235.00	1007	335.00	2564
76.00	6201	157.00	1145	236.00	657	341.00	971
77.00	122576	158.00	1438	237.00	1236	342.00	178
78.00	6268	159.00	1431	238.00	220	346.00	2229

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8402.D\X-8270.rslt\spectra.d

Injection Date: 27-Sep-2011 11:01:30

Spectrum: Tune Spec: Scans 555-557(6.04-6.06) Bgrd 551(6.02)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 289

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	8978	160.00	1858	239.00	1082	347.00	259
80.00	6797	161.00	4064	240.00	884	352.00	2162
81.00	9763	162.00	1349	241.00	1553	353.00	1290
82.00	2662	163.00	546	242.00	2481	354.00	2606
83.00	2069	164.00	375	243.00	2633	355.00	206
84.00	396	165.00	4279	244.00	33056	356.00	178
85.00	1748	166.00	3745	245.00	4783	357.00	168
86.00	2395	167.00	18384	246.00	7454	359.00	330
87.00	910	168.00	10077	247.00	1459	365.00	13883
88.00	381	169.00	2250	248.00	186	366.00	1671
91.00	2528	170.00	1112	249.00	1142	370.00	446
92.00	2572	171.00	755	252.00	807	371.00	601
93.00	19416	172.00	1742	253.00	949	372.00	3504
94.00	1515	173.00	1933	255.00	180032	373.00	956
95.00	215	174.00	2976	256.00	25216	383.00	1238
96.00	890	175.00	6811	257.00	2130	384.00	223
98.00	14475	176.00	1765	258.00	13836	390.00	834
99.00	10121	177.00	2807	259.00	1876	391.00	180
100.00	443	178.00	1216	260.00	212	395.00	166
101.00	5357	179.00	11090	261.00	193	399.00	329
103.00	1582	180.00	7393	264.00	489	401.00	197
104.00	2149	181.00	3866	265.00	5115	402.00	1859
105.00	3034	182.00	531	266.00	10	403.00	1913
106.00	370	184.00	1114	269.00	172	404.00	269
107.00	44208	185.00	5601	271.00	1313	421.00	2676
108.00	5772	186.00	40408	272.00	1029	422.00	2364
109.00	1152	187.00	13259	273.00	4385	423.00	15544
110.00	62656	188.00	1367	274.00	13182	424.00	3668
111.00	12964	189.00	2551	275.00	75936	425.00	992
112.00	722	191.00	1145	276.00	9883	434.00	189
114.00	240	192.00	3546	277.00	7859	439.00	199
115.00	298	193.00	3882	278.00	1739	441.00	41280
116.00	3117	194.00	858	279.00	168	442.00	300608
117.00	39536	195.00	332	282.00	228	443.00	62208

Report Date: 27-Sep-2011 13:18:35

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8402.D\X-8270.rslt\spectra.d

Injection Date: 27-Sep-2011 11:01:30

Spectrum: Tune Spec: Scans 555-557(6.04-6.06) Bgrd 551(6.02)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 289

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	2840	196.00	8202	283.00	1160	444.00	4816
119.00	204	198.00	307648	284.00	709	445.00	197
120.00	465	199.00	20504	285.00	984	479.00	227
121.00	770	200.00	2000	286.00	610		
122.00	3241	201.00	2230	289.00	368		
123.00	5122	202.00	336	291.00	266		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8459.D
 Lims ID: DFTPP Client ID:
 Inject. Date: 28-Sep-2011 10:35:30 Dil. Factor: 1.0000
 Sample Type: DFTPP
 Sample ID: DFTPP
 Misc. Info.: DFTPP
 Operator: MKP/RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 33187 Lims Sample ID: 1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X-8270.m
 Last Update: 28-Sep-2011 12:28:58 Calib Date: 09-Sep-2011 14:37:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7706.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 28-Sep-2011 10:54:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
84 Pentachlorophenol_T 93 DFTPP	266	5.505	5.505	0.0	84	265020	0	
109 Benzidine_T	184	6.932	6.932	0.0	98	1399455	0	
111 4,4'-DDE	246	7.103	7.103	0.0	1	3213	0	
115 4,4'-DDD	235	7.386	7.386	0.0	1	3098	0	
120 4,4'-DDT	235	7.637	7.637	0.0	96	716874	0	

Data File: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8459.D

Injection Date: 28-Sep-2011 10:35:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 33187

Lims Sample ID: 1

Operator ID: MKP/RJF

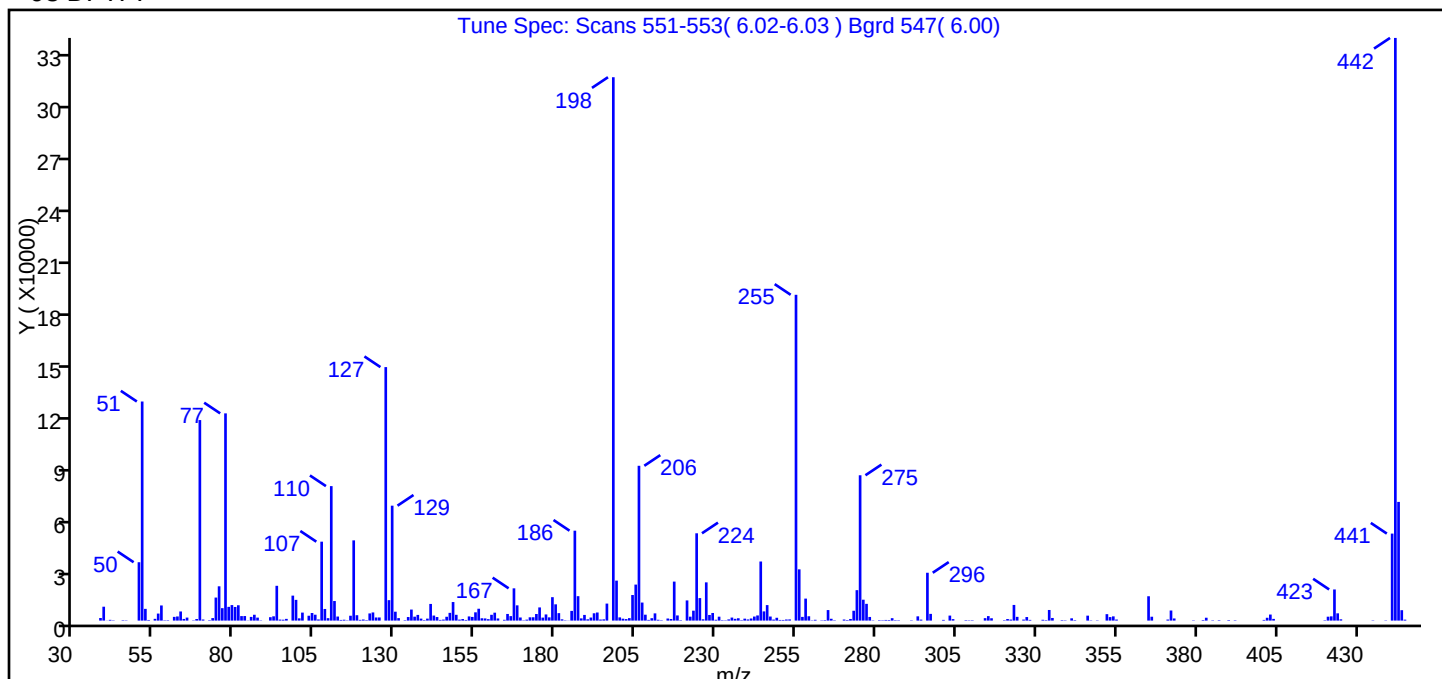
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Tune Method: DFTPP Method 8270

93 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	40.32
68	Less than 2.00% of mass 69	0.29 (0.78)
69	Present	36.90
70	Less than 2.00% of mass 69	0.20 (0.54)
127	40.00 - 60.00% of mass 198	46.65
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.36
275	10.00 - 30.00% of mass 198	26.75
365	Greater than 1.00% of mass 198	4.48
441	Present, but less than mass 443%	16.01 (73.30)
442	Greater than 40.00% of mass 198	107.23
443	17.00 - 23.00% of mass 442	21.84 (20.37)

Data File: \\Bufchrom\ChromData\HP5973X\201110928-6284.b\X8459.D\X-8270.rslt\spectra.d
Injection Date: 28-Sep-2011 10:35:30
Spectrum: Tune Spec: Scans 551-553(6.02-6.03) Bgrd 547(6.00)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 292

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	1480	124.00	1774	201.00	1090	281.00	265
39.00	7917	125.00	1789	202.00	866	282.00	217
40.00	80	127.00	144512	203.00	1410	283.00	372
41.00	432	128.00	11656	204.00	14580	284.00	342
42.00	188	129.00	65512	205.00	20528	285.00	1376
45.00	242	130.00	5072	206.00	88256	286.00	255
46.00	175	131.00	1411	207.00	10286	287.00	223
50.00	33272	133.00	261	208.00	3365	291.00	196
51.00	124896	134.00	2029	209.00	406	293.00	2431
52.00	6688	135.00	6293	210.00	1367	294.00	554
53.00	356	136.00	2235	211.00	4121	296.00	27272
55.00	1004	137.00	3244	212.00	477	297.00	3830
56.00	4006	138.00	1131	213.00	223	301.00	407
57.00	8631	139.00	288	215.00	1183	303.00	2852
58.00	214	140.00	1128	216.00	917	304.00	838
59.00	252	141.00	9497	217.00	22232	308.00	275
61.00	2126	142.00	2872	218.00	2941	309.00	190
62.00	2359	143.00	2032	219.00	247	310.00	229
63.00	5203	144.00	402	221.00	11503	314.00	1390
64.00	944	145.00	589	222.00	2236	315.00	2559
65.00	1711	146.00	2187	223.00	5652	316.00	1337
67.00	188	147.00	4414	224.00	49768	320.00	248
68.00	892	148.00	10578	225.00	12830	321.00	897
69.00	114312	149.00	3299	226.00	742	322.00	583
70.00	616	150.00	559	227.00	21800	323.00	8927
72.00	265	151.00	880	228.00	3209	324.00	2130
73.00	1435	152.00	371	229.00	4340	326.00	577
74.00	13129	153.00	2378	230.00	482	327.00	2025
75.00	19552	154.00	2089	231.00	2235	328.00	400
76.00	7088	155.00	4716	232.00	248	332.00	468
77.00	118136	156.00	6762	233.00	197	333.00	282
78.00	7833	157.00	1331	234.00	680	334.00	6052
79.00	8845	158.00	1234	235.00	1725	335.00	1496

Data File: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8459.D\X-8270.rslt\spectra.d

Injection Date: 28-Sep-2011 10:35:30

Spectrum: Tune Spec: Scans 551-553(6.02-6.03) Bgrd 547(6.00)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 292

m/z	Y	m/z	Y	m/z	Y	m/z	Y
80.00	7770	159.00	815	236.00	1012	338.00	287
81.00	8744	160.00	3305	237.00	1337	339.00	196
82.00	2569	161.00	4513	238.00	256	341.00	1299
83.00	2598	162.00	1220	239.00	1104	342.00	283
84.00	113	164.00	453	240.00	660	346.00	2819
85.00	2100	165.00	3791	241.00	1197	347.00	173
86.00	3335	166.00	2558	242.00	2311	349.00	178
87.00	1699	167.00	18392	243.00	2934	352.00	3671
88.00	170	168.00	8693	244.00	33688	353.00	2004
91.00	1944	169.00	1776	245.00	5250	354.00	2408
92.00	2435	170.00	187	246.00	8837	355.00	603
93.00	19832	171.00	547	247.00	2315	365.00	13880
94.00	582	172.00	1880	248.00	582	366.00	2206
95.00	504	173.00	1905	249.00	1611	371.00	600
96.00	979	174.00	3757	250.00	374	372.00	5751
98.00	14236	175.00	7514	251.00	362	373.00	1214
99.00	11814	176.00	1711	252.00	631	379.00	190
100.00	1290	177.00	3509	253.00	679	382.00	331
101.00	4560	178.00	1847	255.00	185728	383.00	1637
103.00	2769	179.00	13351	256.00	29216	385.00	206
104.00	4325	180.00	9276	257.00	2110	387.00	271
105.00	3361	181.00	4254	258.00	12538	390.00	311
106.00	662	182.00	724	259.00	2474	392.00	226
107.00	44992	183.00	198	260.00	179	401.00	392
108.00	6633	184.00	91	261.00	464	402.00	1611
109.00	1384	185.00	5530	263.00	185	403.00	3450
110.00	76664	186.00	51256	264.00	308	404.00	971
111.00	11156	187.00	13922	265.00	6003	420.00	235
112.00	2313	188.00	1263	266.00	1041	421.00	2225
113.00	378	189.00	3231	267.00	218	422.00	2421
114.00	498	190.00	739	270.00	610	423.00	17752
115.00	173	191.00	1735	271.00	317	424.00	4143
116.00	2769	192.00	4175	272.00	922	425.00	729
117.00	45736	193.00	4615	273.00	5610	435.00	180

Report Date: 28-Sep-2011 12:28:58

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110928-6284.b\X8459.D\X-8270.rslt\spectra.d

Injection Date: 28-Sep-2011 10:35:30

Spectrum: Tune Spec: Scans 551-553(6.02-6.03) Bgrd 547(6.00)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 292

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	3067	194.00	603	274.00	17352	439.00	174
119.00	424	195.00	707	275.00	82848	441.00	49600
120.00	625	196.00	9697	276.00	11906	442.00	332160
121.00	276	198.00	309760	277.00	9549	443.00	67664
122.00	4089	199.00	22784	278.00	2080	444.00	5935
123.00	4649	200.00	1831	279.00	170	445.00	533

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-32474/1-A

Matrix: Solid Lab File ID: U4501.D

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3550B Date Extracted: 09/22/2011 15:36

Sample wt/vol: +30.61(g) Date Analyzed: 09/23/2011 13:43

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

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 32612 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		170	36
88-06-2	2,4,6-Trichlorophenol	ND		170	11
120-83-2	2,4-Dichlorophenol	ND		170	8.7
105-67-9	2,4-Dimethylphenol	ND		170	45
51-28-5	2,4-Dinitrophenol	ND		320	58
121-14-2	2,4-Dinitrotoluene	ND		170	26
606-20-2	2,6-Dinitrotoluene	ND		170	40
91-58-7	2-Chloronaphthalene	ND		170	11
95-57-8	2-Chlorophenol	ND		170	8.4
91-57-6	2-Methylnaphthalene	ND		170	2.0
95-48-7	2-Methylphenol	ND		170	5.1
88-74-4	2-Nitroaniline	ND		320	53
88-75-5	2-Nitrophenol	ND		170	7.6
91-94-1	3,3'-Dichlorobenzidine	ND		170	150
99-09-2	3-Nitroaniline	ND		320	38
534-52-1	4,6-Dinitro-2-methylphenol	ND		320	57
101-55-3	4-Bromophenyl phenyl ether	ND		170	53
59-50-7	4-Chloro-3-methylphenol	ND		170	6.8
106-47-8	4-Chloroaniline	ND		170	49
7005-72-3	4-Chlorophenyl phenyl ether	ND		170	3.5
106-44-5	4-Methylphenol	ND		320	9.2
100-01-6	4-Nitroaniline	ND		320	18
100-02-7	4-Nitrophenol	ND		320	40
83-32-9	Acenaphthene	ND		170	1.9
208-96-8	Acenaphthylene	ND		170	1.4
98-86-2	Acetophenone	ND		170	8.5
120-12-7	Anthracene	ND		170	4.2
1912-24-9	Atrazine	ND		170	7.4
100-52-7	Benzaldehyde	ND		170	18
56-55-3	Benzo(a)anthracene	ND		170	2.9
50-32-8	Benzo(a)pyrene	ND		170	4.0
205-99-2	Benzo(b)fluoranthene	ND		170	3.2
191-24-2	Benzo(g,h,i)perylene	ND		170	2.0
207-08-9	Benzo(k)fluoranthene	ND		170	1.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-32474/1-A
 Matrix: Solid Lab File ID: U4501.D
 Analysis Method: 8270C Date Collected: _____
 Extract. Method: 3550B Date Extracted: 09/22/2011 15:36
 Sample wt/vol: +30.61(g) Date Analyzed: 09/23/2011 13:43
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 32612 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		170	10
108-60-1	bis (2-chloroisopropyl) ether	ND		170	17
111-91-1	Bis(2-chloroethoxy)methane	ND		170	9.0
111-44-4	Bis(2-chloroethyl)ether	ND		170	14
117-81-7	Bis(2-ethylhexyl) phthalate	ND		170	53
85-68-7	Butyl benzyl phthalate	ND		170	44
105-60-2	Caprolactam	ND		170	72
86-74-8	Carbazole	ND		170	1.9
218-01-9	Chrysene	ND		170	1.7
53-70-3	Dibenz(a,h)anthracene	ND		170	1.9
132-64-9	Dibenzofuran	ND		170	1.7
84-66-2	Diethyl phthalate	ND		170	5.0
131-11-3	Dimethyl phthalate	ND		170	4.3
84-74-2	Di-n-butyl phthalate	ND		170	57
117-84-0	Di-n-octyl phthalate	ND		170	3.9
206-44-0	Fluoranthene	ND		170	2.4
86-73-7	Fluorene	ND		170	3.8
118-74-1	Hexachlorobenzene	ND		170	8.2
87-68-3	Hexachlorobutadiene	ND		170	8.5
77-47-4	Hexachlorocyclopentadiene	ND		170	50
67-72-1	Hexachloroethane	ND		170	13
193-39-5	Indeno(1,2,3-cd)pyrene	ND		170	4.6
78-59-1	Isophorone	ND		170	8.3
91-20-3	Naphthalene	ND		170	2.8
98-95-3	Nitrobenzene	ND		170	7.3
621-64-7	N-Nitrosodi-n-propylamine	ND		170	13
86-30-6	N-Nitrosodiphenylamine	ND		170	9.0
87-86-5	Pentachlorophenol	ND		320	57
85-01-8	Phenanthrene	ND		170	3.5
108-95-2	Phenol	ND		170	17
129-00-0	Pyrene	ND		170	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 480-32474/1-A
Matrix: Solid Lab File ID: U4501.D
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3550B Date Extracted: 09/22/2011 15:36
Sample wt/vol: +30.61(g) Date Analyzed: 09/23/2011 13:43
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 32612 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	131		39-146
321-60-8	2-Fluorobiphenyl	100		37-120
367-12-4	2-Fluorophenol	93		18-120
4165-60-0	Nitrobenzene-d5	92		34-132
1718-51-0	p-Terphenyl-d14	128		58-147
4165-62-2	Phenol-d5	96		11-120

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 480-32474/1-A
Matrix: Solid Lab File ID: U4501.D
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3550B Date Extracted: 09/22/2011 15:36
Sample wt/vol: +30.61(g) Date Analyzed: 09/23/2011 13:43
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 32612 Units: ug/Kg
Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4501.D
 Lims ID: MB 480-32474/1-A Client ID:
 Inject. Date: 23-Sep-2011 13:43:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 480-0006193-004
 Misc. Info.: MB 480-32474/1-A
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 32612 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U-8270.m
 Last Update: 23-Sep-2011 14:27:07 Calib Date: 14-Sep-2011 21:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 23-Sep-2011 14:27:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.773	5.773	0.0	91	94850	40.0	
* 2 Naphthalene-d8	136	7.499	7.499	0.0	98	393095	40.0	
* 3 Acenaphthene-d10	164	9.775	9.775	0.0	95	252064	40.0	
* 4 Phenanthrene-d10	188	11.479	11.479	0.0	96	428014	40.0	
* 5 Chrysene-d12	240	13.952	13.952	0.0	95	433365	40.0	
* 6 Perylene-d12	264	15.219	15.219	0.0	98	443858	40.0	
\$ 9 2-Fluorophenol	112	3.909	3.914	-0.005	94	372426	138.9	
\$ 10 Phenol-d5	99	5.319	5.325	-0.006	78	467238	144.5	
\$ 11 Nitrobenzene-d5	82	6.537	6.543	-0.006	86	335091	91.5	
\$ 12 2-Fluorobiphenyl	172	8.925	8.925	0.0	99	813068	99.8	
\$ 13 2,4,6-Tribromophenol	330	10.731	10.731	0.0	95	251648	196.6	
\$ 14 p-Terphenyl-d14	244	13.023	13.023	0.0	96	1240666	127.5	
41 2-Chlorotoluene	91		0.000					
54 p-Fluoroaniline	1		0.000					
225 CBF-400	1		0.000					
31 Dimethylformamide	1		0.000					
226 Tris(2,3-dibromopropyl)phosphate TIC	1		0.000					
229 1,3-phenylenediamine TIC	1		0.000					
48 2-Chloropyridine	1		0.000					
19 NVF-400	1		0.000					
37 1-Hydroxyanthraquinone	1		0.000					
49 2,6-Dichloropyridine	1		0.000					
74 3-Chlorotoluene	1		0.000					
61 CAG-800	1		0.000					
18 CU-600	1		0.000					
33 o-Anisidine	1		0.000					
232 4,4'-Methylene bis(2-chloroaniline) T	1		0.000					
34 1,4-Dihydroxyanthraquinone	1		0.000					
224 5-Methyl-o-Anisidine TIC	1		0.000					
69 4,4'-Methylene bis(2-chloroaniline)	1		0.000					
24 Dibenzo[a,e]pyrene	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
70 Phenylacetic Acid	1		0.000					
73 4-Methylbenzenamine	1		0.000					
72 4-Chlorobenzotrifluoride	1		0.000					
45 2-Aminopyridine	1		0.000					
51 2-Chloroaniline	1		0.000					
227 CBF-500	1		0.000					
30 Dicyclohexylamine	1		0.000					
230 2,4-Xylidine TIC	1		0.000					
22 N-Methylaniline	1		0.000					
59 Tricresyl phosphate	1		0.000					
40 1-Methylcyclopentanol	1		0.000					
32 Quinoline	129		0.000					
75 3-Chloropyridine	1		0.000					
21 2-Chlorobenzotrifluoride	1		0.000					
15 Lidocaine	1		0.000					
68 4-Chloropyridine	1		0.000					
36 2,3-Dichlorophenol	1		0.000					
71 Chlorotoluene N.O.S	1		0.000					
52 2,6-Dichlorotoluene	1		0.000					
58 Chlorobenzotrifluoride N.O.S	1		0.000					
76 3-Chlorobenzotrifluoride	1		0.000					
46 2,4-Dichlorotoluene	1		0.000					
17 CN-500	1		0.000					
64 9-Octadecenamide	1		0.000					
228 o-Anisidine TIC	1		0.000					
27 Pendimethalin	1		0.000					
56 Benzeneacetic acid (TIC)	1		0.000					
57 5-Methyl-o-Anisidine	1		0.000					
53 1,3,5-Trichlorobenzene	180		0.000					
63 5-Ethyl-5-phenyl barbituric acid	1		0.000					
23 n,n'-Dimethylacetamide	1		0.000					
67 4-Chlorotoluene	91		0.000					
60 Benzeneacetonitrile	1		0.000					
62 Anthraquinone	1		0.000					
80 1,4-Dioxane	88		1.761					
81 N-Nitrosodimethylamine	42		2.013					
82 Pyridine	52		2.071					
83 2-Picoline	93		2.978					
84 N-Nitrosomethylethylamine	88		3.112					
85 Methyl methanesulfonate	80		3.582					
86 N-Nitrosodiethylamine	102		4.186					
87 Ethyl methanesulfonate	79		4.640					
88 Benzaldehyde	77		5.148					
90 Aniline	93		5.314					
89 Phenol	94		5.346					
92 Pentachloroethane	167	5.383	5.356	0.027	18	3322	0	
91 Bis(2-chloroethyl)ether	93		5.410					
93 2-Chlorophenol	128		5.496					
20 n-Decane	57		5.575					
94 1,3-Dichlorobenzene	146		5.699					
95 1,4-Dichlorobenzene	146		5.800					
96 Benzyl alcohol	108		5.993					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
97 1,2-Dichlorobenzene	146		6.014					
99 2,2'-oxybis[1-chloropropane]	45		6.174					
98 2-Methylphenol	108		6.180					
100 N-Nitrosopyrrolidine	100		6.264					
103 N-Nitrosomorpholine	56		6.323					
104 Acetophenone	105		6.340					
101 N-Nitrosodi-n-propylamine	70		6.356					
105 2-Toluidine	106		6.371					
102 4-Methylphenol	108		6.399					
106 Hexachloroethane	117		6.473					
107 Nitrobenzene	77		6.564					
109 N-Nitrosopiperidine	114		6.734					
108 Pentachlorophenol_T	266		6.815					
110 Isophorone	82		6.895					
111 2-Nitrophenol	139		7.002					
112 2,4-Dimethylphenol	107		7.109					
113 Tetraethyl lead	237		7.147					
116 o,o',o''-Triethylphosphorothioate	198		7.156					
115 Bis(2-chloroethoxy)methane	93		7.205					
118 alpha,alpha-Dimethyl phenethylamine	58		7.295					
117 2,4-Dichlorophenol	162		7.344					
119 Benzoic acid	105		7.382					
120 1,2,4-Trichlorobenzene	180		7.435					
121 Naphthalene	128		7.531					
66 4-Chlorophenol	128		7.535					
122 Alpha-Terpineol	59		7.541					
124 2,6-Dichlorophenol	162		7.616					
123 4-Chloroaniline	127		7.622					
125 Hexachloropropene	213		7.642					
126 Hexachlorobutadiene	225		7.723					
129 N-Nitrosodi-n-butylamine	84		8.017					
127 Caprolactam	113		8.033					
128 p-Phenylene diamine	108		8.054					
130 Benzidine_T	184		8.215					
131 4-Chloro-3-methylphenol	107		8.295					
132 Safrole, Total	162		8.321					
43 2,4,5-Trichlorotoluene	159		8.379					
134 4,4'-DDE	246		8.391					
133 2-Methylnaphthalene	142		8.439					
135 Phthalic anhydride	104		8.486					
136 Hexachlorocyclopentadiene	237		8.664					
42 1,4-Naphthoquinone	158		8.666					
138 1,2,4,5-Tetrachlorobenzene	216		8.669					
137 4,4'-DDD	235		8.717					
223 2,3-Dichlorobenzeneamine	161		8.796					
139 2,4,6-Trichlorophenol	196		8.829					
140 2,4,5-Trichlorophenol	196		8.883					
141 4,4'-DDT	235		8.931					
142 Isosafrole	162		8.994					
35 1,2,3,4 -Tetrachlorobenzene	216		9.010					
144 1,1'-Biphenyl	154	9.048	9.048	0.0	1	895	0.0928	M
143 2-Chloronaphthalene	162		9.064					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
145 2-Nitroaniline	65		9.209					
147 Dimethyl phthalate	163		9.454					
50 1,3-Dinitrobenzene	168		9.480					
146 1,4-Dinitrobenzene	168		9.480					
148 2,6-Dinitrotoluene	165		9.518					
149 Acenaphthylene	152		9.593					
150 3-Nitroaniline	138		9.737					
151 Acenaphthene	153		9.818					
152 2,4-Dinitrophenol	184		9.871					
156 Pentachlorobenzene	250		9.982					
153 4-Nitrophenol	109		10.005					
154 2,4-Dinitrotoluene	165		10.031					
155 Dibenzofuran	168		10.037					
157 1-Naphthylamine	143		10.116					
158 2,3,4,6-Tetrachlorophenol	232		10.202					
159 2-Naphthylamine	143		10.212					
160 Diethyl phthalate	149		10.336					
163 Thionazin	97		10.415					
161 Fluorene	166		10.448					
165 N-Nitro-o-toluidine	152		10.452					
162 4-Chlorophenyl phenyl ether	204		10.453					
164 4-Nitroaniline	138		10.491					
166 4,6-Dinitro-2-methylphenol	198		10.528					
169 Diphenylamine	169		10.580					
29 Tributyl phosphate	99		10.586					
167 N-Nitrosodiphenylamine	169		10.592					
168 1,2-Diphenylhydrazine	77		10.635					
170 Azobenzene	77		10.773					
171 Sulfotepp	322		10.783					
172 1,3,5-Trinitrobenzene	213		10.880					
173 Diallate	43		10.922					
174 Phorate	75		10.922					
175 Phenacetin	108		10.949					
176 4-Bromophenyl phenyl ether	248		11.004					
177 Hexachlorobenzene	284		11.089					
178 Dimethoate	87		11.104					
179 Simazine	201		11.157					
180 Atrazine	200		11.196					
182 4-Aminobiphenyl	169		11.280					
183 Pentachloronitrobenzene	237		11.302					
181 Pentachlorophenol	266		11.308					
184 Pronamide	173		11.366					
16 n-Octadecane	57		11.398					
186 Dinoseb	211		11.489					
187 Disulfoton	88		11.489					
185 Phenanthrene	178		11.511					
188 Anthracene	178		11.559					
189 Carbazole	167		11.735					
190 Methyl parathion	109		11.868					
191 Alachlor	160		11.879					
79 2-Methylantracene	192		12.060					
192 Di-n-butyl phthalate	149		12.083					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
193 Ethyl Parathion	97		12.253					
194 4-Nitroquinoline-1-oxide	190		12.269					
195 Methapyrilene	58		12.397					
196 Isodrin	193		12.536					
197 Fluoranthene	202		12.681					
198 Benzidine	184		12.793					
199 Pyrene	202		12.889					
200 Aramite, Total	185		13.065					
201 p-Dimethylamino azobenzene	120		13.145					
202 Chlorobenzilate	139		13.187					
204 Famphur	218		13.401					
205 Butyl benzyl phthalate	149		13.445					
206 Kepone	272		13.497					
203 3,3'-Dimethylbenzidine	212		13.545					
207 2-Acetylaminofluorene	181		13.668					
208 3,3'-Dichlorobenzidine	252		13.915					
210 Bis(2-ethylhexyl) phthalate	149	13.926	13.931	-0.005	32	3633	0.4768	
209 Benzo[a]anthracene	228		13.947					
211 Chrysene	228		13.979					
212 Di-n-octyl phthalate	149		14.455					
215 7,12-Dimethylbenz(a)anthracene	256		14.854					
213 Benzo[b]fluoranthene	252		14.871					
214 Benzo[k]fluoranthene	252		14.893					
216 Hexachlorophene	196		15.020					
39 Benzo[e]pyrene	252		15.121					
217 Benzo[a]pyrene	252		15.171					
218 3-Methylcholanthrene	252		15.501					
220 Dibenz(a,h)anthracene	278		16.335					
219 Indeno[1,2,3-cd]pyrene	276		16.335					
221 Benzo[g,h,i]perylene	276		16.656					
S 78 3-Methylphenol	1		0.000					
S 77 3 & 4 Methylphenol	108		0.000					
S 222 Total Cresols	1		0.000					
T 38 1-Methylnaphthalene (TIC)	142		0.000					1
T 28 Pendimethalin (TIC)	1		0.000					1
T 26 trans Azobenzene (TIC)	77		0.000					1
T 65 Benefin (TIC)	1		0.000					1
T 25 Prometryn (TIC)	1		0.000					1
T 231 2,3,7,8-TCDD	1		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

Review Flags

M - Manually Integrated

Report Date: 23-Sep-2011 14:27:07

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4501.D

Injection Date: 23-Sep-2011 13:43:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 4

Operator ID: RMM

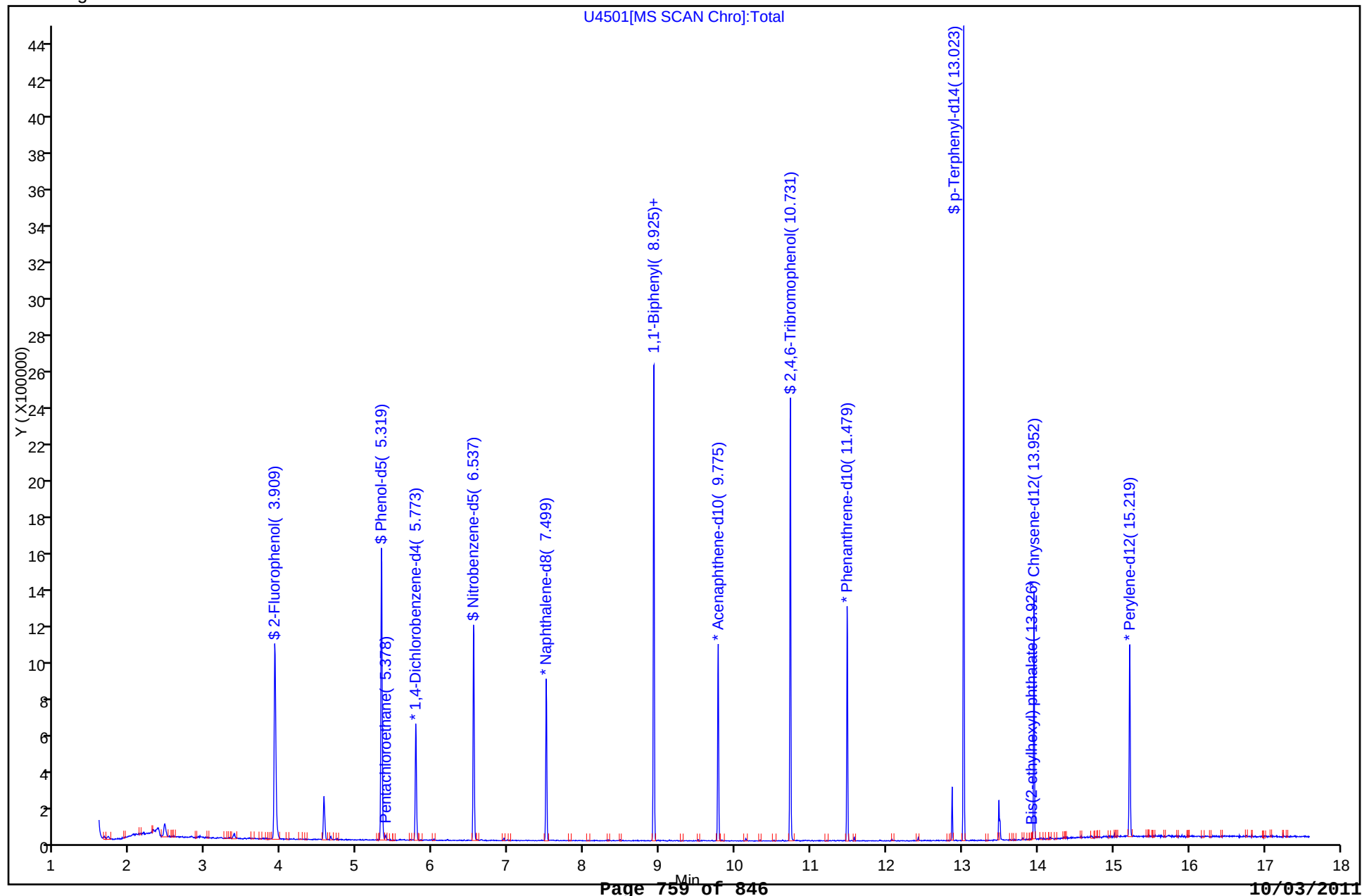
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

U4501[MS SCAN Chro]:Total

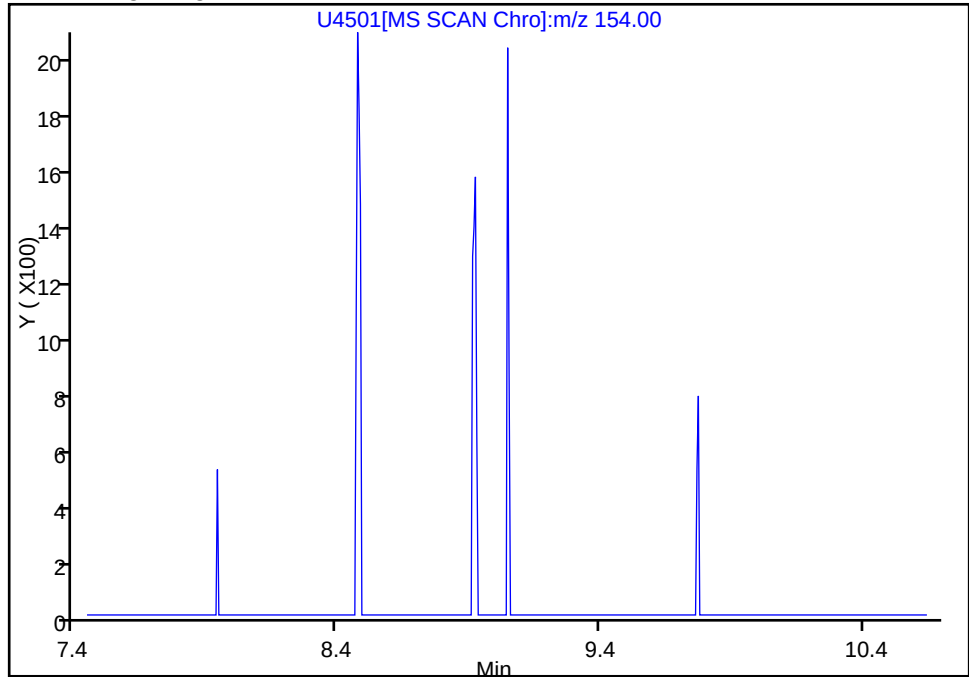


Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4501.D
Injection Date: 23-Sep-2011 13:43:30 Limit Group: MB - 8270C ICAL
Client ID: Instrument ID: HP5973U
Lims Batch ID: 32612 Lims Sample ID: 4
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

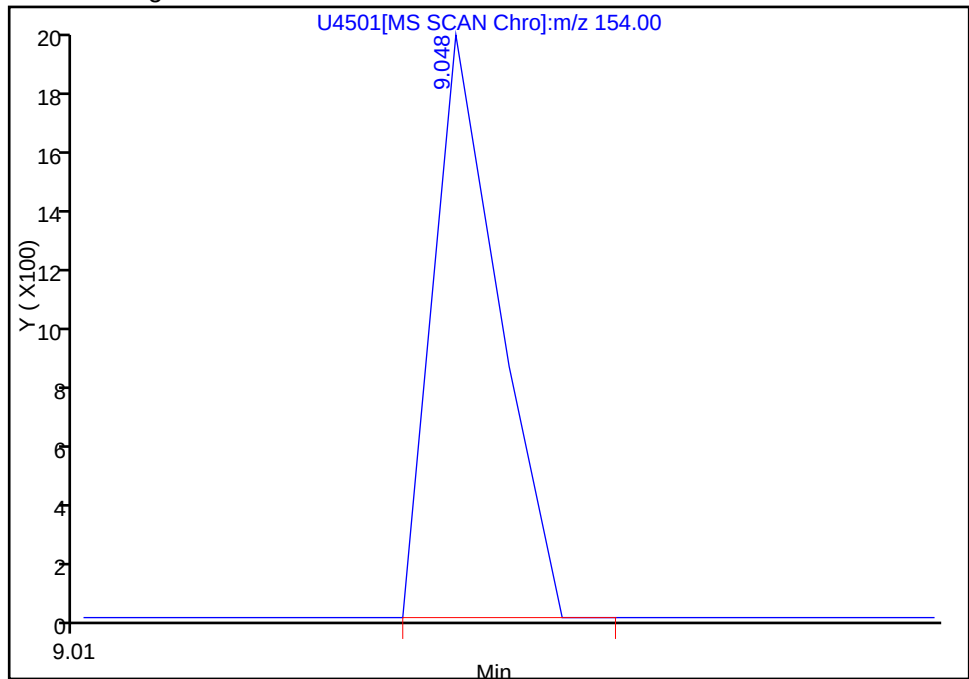
144 1,1'-Biphenyl, Signal: 1, m/z: 154.0 Type: quant, RT: 9.05

Not Detected
Expected RT: 9.05

Processing Integration Results



Manual Integration Results



RT: 9.05
Response: 895
Amount: 0.092778

Reviewer: mckernar, 23-Sep-2011 14:27:07

Audit Action: Manually Integrated

Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-32537/1-A

Matrix: Water Lab File ID: X8421.D

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3510C Date Extracted: 09/23/2011 07:20

Sample wt/vol: 1000 (mL) Date Analyzed: 09/27/2011 18:20

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

Injection Volume: 1 (uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 32985 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo (a) anthracene	ND		5.0	0.36
50-32-8	Benzo (a) pyrene	ND		5.0	0.47
205-99-2	Benzo (b) fluoranthene	ND		5.0	0.34
191-24-2	Benzo (g,h,i) perylene	ND		5.0	0.35
207-08-9	Benzo (k) fluoranthene	ND		5.0	0.73

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-32537/1-A

Matrix: Water Lab File ID: X8421.D

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3510C Date Extracted: 09/23/2011 07:20

Sample wt/vol: 1000 (mL) Date Analyzed: 09/27/2011 18:20

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

Injection Volume: 1 (uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 32985 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	1.8
85-68-7	Butyl benzyl phthalate	ND		5.0	0.42
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz (a,h) anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
84-74-2	Di-n-butyl phthalate	0.457	J	5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno (1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 480-32537/1-A
Matrix: Water Lab File ID: X8421.D
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3510C Date Extracted: 09/23/2011 07:20
Sample wt/vol: 1000(mL) Date Analyzed: 09/27/2011 18:20
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 32985 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	107		52-132
321-60-8	2-Fluorobiphenyl	77		48-120
367-12-4	2-Fluorophenol	40		20-120
4165-60-0	Nitrobenzene-d5	86		46-120
1718-51-0	p-Terphenyl-d14	94		24-136
4165-62-2	Phenol-d5	33		16-120

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

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 480-32537/1-A
Matrix: Water Lab File ID: X8421.D
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3510C Date Extracted: 09/23/2011 07:20
Sample wt/vol: 1000 (mL) Date Analyzed: 09/27/2011 18:20
Con. Extract Vol.: 1 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 32985 Units: ug/L
Number TICs Found: 15 TIC Result Total: 283.77

CAS NO.	COMPOUND NAME	RT	RESULT	Q
100-51-6	Benzyl alcohol	4.94	1.31	J
	Unknown	11.42	11.3	T J
	Unknown	11.93	9.09	T J
	Unknown	12.15	6.73	T J
	Unknown	12.26	61.1	T J
	Unknown	12.69	20.9	T J
	Unknown	12.84	5.56	T J
	Unknown	12.96	50.2	T J
	Unknown	13.20	5.53	T J
	Unknown	13.37	25.0	T J
	Unknown	13.47	4.50	T J
	Unknown	13.84	5.95	T J
	Unknown	13.99	26.4	T J
	Unknown	14.60	27.0	T J
	Unknown	15.38	23.2	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8421.D
 Lims ID: MB 480-32537/1-A Client ID:
 Inject. Date: 27-Sep-2011 18:20:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 480-0006253-019
 Misc. Info.: MB 480-32537/1-A
 Operator: MKP/RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 21
 Lims Batch ID: 32985 Lims Sample ID: 19
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X-8270.m
 Last Update: 29-Sep-2011 13:41:15 Calib Date: 09-Sep-2011 14:37:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7706.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 29-Sep-2011 13:41:15

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.674	4.674	0.0	95	231932	40.0	
* 2 Naphthalene-d8	136	6.298	6.298	0.0	99	882506	40.0	
* 3 Acenaphthene-d10	164	8.371	8.371	0.0	90	577672	40.0	
* 4 Phenanthrene-d10	188	10.059	10.059	0.0	97	927119	40.0	
* 5 Chrysene-d12	240	12.516	12.517	-0.001	97	936927	40.0	
* 6 Perylene-d12	264	13.622	13.623	0.0	99	934208	40.0	
\$ 7 2-Fluorophenol	112	2.639	2.639	0.0	89	429700	60.0	
\$ 8 Phenol-d5	99	4.321	4.322	-0.001	98	419851	48.9	
\$ 9 Nitrobenzene-d5	82	5.422	5.422	0.0	95	714789	86.3	
\$ 10 2-Fluorobiphenyl	172	7.628	7.629	-0.001	99	1386904	76.5	
\$ 11 2,4,6-Tribromophenol	330	9.295	9.290	0.005	50	520184	160.5	
\$ 12 p-Terphenyl-d14	244	11.651	11.646	0.005	97	1961908	94.2	
14 Benzo[e]pyrene	1		0.000					
34 N-Methylaniline	1		0.000					
228 CBF-500	1		0.000					
38 2,4-Dichlorotoluene	1		0.000					
25 2,3-Dichlorophenol	1		0.000					
43 CU-600	1		0.000					
47 Chlorobenzotrifluoride N.O.S	1		0.000					
18 1-Methylcyclopentanol	1		0.000					
16 1,2,3,4 -Tetrachlorobenzene	216		0.000					
49 Benzeneacetic acid (TIC)	1		0.000					
231 2,4-Xylidine TIC	1		0.000					
230 1,3-phenylenediamine TIC	1		0.000					
22 CN-500	1		0.000					
17 2,4,5-Trichlorotoluene	1		0.000					
40 2-Chlorobenzotrifluoride	1		0.000					
15 4,4'-Methylene bis(2-chloroaniline)	1		0.000					
36 4-Chlorobenzotrifluoride	1		0.000					
51 Phenylacetic Acid	1		0.000					
19 Chlorotoluene N.O.S	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
39 2-Aminopyridine	1		0.000					
37 4-Chlorotoluene	91		0.000					
24 2-Methylantracene	1		0.000					
27 2,6-Dichlorotoluene	1		0.000					
46 2-Chlorotoluene	91		0.000					
45 n,n'-Dimethylacetamide	1		0.000					
26 NVF-400	1		0.000					
20 Lidocaine	1		0.000					
232 4,4'-Methylene bis(2-chloroaniline) T	1		0.000					
33 1,3,5-Trichlorobenzene	180		0.000					
30 Benzeneacetonitrile	1		0.000					
53 3-Chlorobenzotrifluoride	1		0.000					
50 CAG-800	1		0.000					
52 4-Chlorophenol	1		0.000					
31 5-Ethyl-5-phenyl barbituric acid	1		0.000					
229 o-Anisidine TIC	1		0.000					
13 Dimethylformamide	1		0.000					
42 3-Chlorotoluene	1		0.000					
28 Dicyclohexamine	1		0.000					
225 5-Methyl-o-Anisidine TIC	1		0.000					
32 Pendimethalin	1		0.000					
226 CBF-400	1		0.000					
54 1,4-Dioxane	88		0.876					
55 N-Nitrosodimethylamine	42		1.052					
56 Pyridine	52		1.084					
57 2-Picoline	93		1.720					
58 N-Nitrosomethylethylamine	88		1.853					
59 Methyl methanesulfonate	80		2.286					
60 N-Nitrosodiethylamine	102		2.997					
44 4-Chloropyridine	78		3.035					
41 3-Chloropyridine	78		3.163					
61 Ethyl methanesulfonate	79		3.584					
21 2-Chloropyridine	78		3.825					
62 Benzaldehyde	77		4.038					
64 Aniline	93		4.231					
65 Pentachloroethane	167		4.263					
63 Phenol	94		4.343					
66 Bis(2-chloroethyl)ether	93		4.359					
67 2-Chlorophenol	128		4.407					
69 1,3-Dichlorobenzene	146		4.589					
70 1,4-Dichlorobenzene	146		4.696					
23 p-Fluoroaniline	111		4.733					
72 1,2-Dichlorobenzene	146		4.899					
71 Benzyl alcohol	108	4.936	4.931	0.005	65	6453	1.31	
74 2,2'-oxybis[1-chloropropane]	45		5.112					
73 2-Methylphenol	108		5.144					
75 N-Nitrosopyrrolidine	100		5.208					
76 Acetophenone	105	5.251	5.240	0.011	52	4096	0.4000	
77 N-Nitrosomorpholine	56		5.267					
78 N-Nitrosodi-n-propylamine	70		5.283					
80 2-Toluidine	106		5.294					
81 Hexachloroethane	117		5.331					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
79 4-Methylphenol	108		5.363					
83 Nitrobenzene	77		5.444					
84 Pentachlorophenol_T	266		5.532					
85 N-Nitrosopiperidine	114		5.630					
29 2,6-Dichloropyridine	112		5.706					
86 Isophorone	82		5.769					
87 2-Nitrophenol	139		5.855					
68 n-Decane	57		5.914					
90 Tetraethyl lead	237		6.010					
89 2,4-Dimethylphenol	107		6.010					
91 o,o',o''-Triethylphosphorothioate	198		6.068					
94 Bis(2-chloroethoxy)methane	93		6.090					
96 alpha,alpha-Dimethyl phenethylamine	58		6.143					
97 2,4-Dichlorophenol	162		6.186					
98 1,2,4-Trichlorobenzene	180		6.256					
95 Benzoic acid	105		6.277					
99 Naphthalene	128		6.325					
82 4-Methylbenzenamine	106		6.335					
100 Alpha-Terpineol	59		6.400					
101 4-Chloroaniline	127		6.443					
103 Hexachloropropene	213		6.453					
102 2,6-Dichlorophenol	162		6.453					
104 Hexachlorobutadiene	225		6.528					
92 o-Anisidine	108		6.662					
88 2-Chloroaniline	127		6.826					
105 Caprolactam	113		6.838					
107 p-Phenylene diamine	108		6.864					
106 N-Nitrosodi-n-butylamine	84		6.886					
109 Benzidine_T	184		6.953					
112 Safrole, Total	162		7.105					
110 4-Chloro-3-methylphenol	107		7.105					
111 4,4'-DDE	246		7.124					
113 2-Methylnaphthalene	142		7.169					
114 Phthalic anhydride	104		7.249					
117 1,2,4,5-Tetrachlorobenzene	216		7.377					
116 Hexachlorocyclopentadiene	237		7.377					
115 4,4'-DDD	235		7.412					
108 5-Methyl-o-Anisidine	122		7.416					
118 2,4,6-Trichlorophenol	196		7.543					
119 2,4,5-Trichlorophenol	196		7.586					
120 4,4'-DDT	235		7.658					
35 Quinoline	129		7.659					
122 Isosafrole	162		7.714					
123 1,1'-Biphenyl	154	7.730	7.730	0.0	1	1793	0.0884	
124 2-Chloronaphthalene	162		7.730					
125 2-Nitroaniline	65		7.885					
126 1,4-Naphthoquinone	158		7.944					
127 1,4-Dinitrobenzene	168		8.045					
129 1,3-Dinitrobenzene	168		8.136					
128 Dimethyl phthalate	163		8.136					
130 2,6-Dinitrotoluene	165		8.184					
131 Acenaphthylene	152		8.200					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
132 3-Nitroaniline	138		8.371					
133 Acenaphthene	153		8.408					
134 2,4-Dinitrophenol	184		8.489					
136 Pentachlorobenzene	250		8.579					
138 Dibenzofuran	168		8.611					
137 2,4-Dinitrotoluene	165		8.644					
135 4-Nitrophenol	109		8.665					
139 1-Naphthylamine	143		8.708					
121 2,3-Dichlorobenzenamine	161		8.751					
140 2,3,4,6-Tetrachlorophenol	232		8.793					
141 2-Naphthylamine	143		8.804					
142 Diethyl phthalate	149		8.969					
144 Fluorene	166		9.007					
145 4-Chlorophenyl phenyl ether	204		9.044					
143 Thionazin	97		9.049					
146 N-Nitro-o-toluidine	152		9.055					
147 4-Nitroaniline	138		9.076					
148 4,6-Dinitro-2-methylphenol	198		9.114					
150 Diphenylamine	169		9.188					
149 N-Nitrosodiphenylamine	169		9.188					
152 1,2-Diphenylhydrazine	77		9.221					
151 Tributyl phosphate	99		9.258					
154 Sulfotepp	322		9.439					
157 Phorate	75		9.546					
156 Diallate	43		9.546					
155 1,3,5-Trinitrobenzene	213		9.546					
158 Phenacetin	108		9.600					
159 4-Bromophenyl phenyl ether	248		9.600					
160 Hexachlorobenzene	284		9.648					
161 Dimethoate	87		9.728					
162 Simazine	201		9.813					
163 Atrazine	200		9.856					
165 Pentachlorophenol	266		9.894					
164 4-Aminobiphenyl	169		9.899					
166 Pentachloronitrobenzene	237		9.904					
167 Pronamide	173		10.027					
171 Phenanthrene	178		10.086					
170 Dinoseb	211		10.139					
169 Disulfoton	88		10.139					
172 Anthracene	178		10.139					
173 Carbazole	167		10.342					
153 Azobenzene	77		10.476					
174 Methyl parathion	109		10.519					
175 Alachlor	160		10.535					
176 Di-n-butyl phthalate	149	10.770	10.770	0.0	54	12967	0.4568	
178 4-Nitroquinoline-1-oxide	190		10.887					
177 Ethyl Parathion	97		10.914					
180 Methapyrilene	58		11.010					
181 Isodrin	193		11.122					
168 n-Octadecane	57		11.160					
182 Fluoranthene	202		11.261					
183 Benzidine	184		11.422					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
185 Pyrene	202		11.459					
186 Aramite, Total	185		11.737					
187 p-Dimethylamino azobenzene	120		11.779					
179 Anthraquinone	180		11.789					
188 Chlorobenzilate	139		11.833					
190 Famphur	218		12.041					
193 Kepone	272		12.063					
191 3,3'-Dimethylbenzidine	212		12.073					
192 Butyl benzyl phthalate	149		12.105					
184 1-Hydroxyanthraquinone	224		12.179					
195 2-Acetylaminofluorene	181		12.282					
197 Benzo[a]anthracene	228		12.511					
196 3,3'-Dichlorobenzidine	252		12.517					
199 Chrysene	228		12.538					
189 1,4-Dihydroxyanthraquinone	240		12.590					
198 Bis(2-ethylhexyl) phthalate	149	12.613	12.613	0.0	61	7334	0.4399	
194 9-Octadecenamide	72		12.932					
201 Di-n-octyl phthalate	149		13.115					
202 7,12-Dimethylbenz(a)anthracene	256		13.350					
203 Benzo[b]fluoranthene	252		13.350					
204 Benzo[k]fluoranthene	252		13.371					
205 Hexachlorophene	196		13.516					
206 Benzo[a]pyrene	252		13.580					
207 3-Methylcholanthrene	252		13.836					
200 Tricresyl phosphate	368		14.147					
208 Indeno[1,2,3-cd]pyrene	276	14.327	14.333	-0.006	1	4390	0.1439	
209 Dibenz(a,h)anthracene	278	14.338	14.344	-0.006	1	3257	0.1253	
210 Benzo[g,h,i]perylene	276	14.498	14.504	-0.006	31	3484	0.1395	
211 Dibenzo[a,e]pyrene	302		16.497					
S 212 3 & 4 Methylphenol	108		0.000					
S 213 Total Cresols	1		0.000					
S 214 3-Methylphenol	1		0.000					
T 216 trans Azobenzene (TIC)	77		0.000					1
T 217 Benefin (TIC)	1		0.000					1
T 227 Tris(2,3-dibromopropyl)phosphate TIC	201		0.000					1
T 215 Pendimethalin (TIC)	1		0.000					1
T 218 Prometryn (TIC)	1		0.000					1
T 219 1-Methylnaphthalene (TIC)	1		0.000					1
T 220 2,3,7,8-TCDD	322		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8421.D
 Lims ID: MB 480-32537/1-A Client ID:
 Inject. Date: 27-Sep-2011 18:20:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 480-0006253-019
 Misc. Info.: MB 480-32537/1-A
 Operator: MKP/RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 21
 Lims Batch ID: 32985 Lims Sample ID: 19
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X-8270.m
 Last Update: 29-Sep-2011 13:41:15 Calib Date: 09-Sep-2011 14:37:30
 Tic RT Window: 1.500 -0.000 Response: area
 Quant By: Nearest ISTD Quant LOD: 10.00000
 MS Library: \\Bufchrom\ChromData\Database\NIST98.L
 Min. Match: 85
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 29-Sep-2011 13:41:15

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
11.421	829335	11.3	5		Unknown	
11.934	669498	9.09	5		Unknown	
12.148	495422	6.73	5		Unknown	
12.260	4499784	61.1	5		Unknown	
12.687	1539366	20.9	5		Unknown	
12.842	409488	5.56	5		Unknown	
12.955	3696778	50.2	5		Unknown	
13.200	452266	5.53	6		Unknown	
13.366	2044658	25.0	6		Unknown	
13.473	367726	4.50	6		Unknown	
13.836	486496	5.95	6		Unknown	
13.991	2156886	26.4	6		Unknown	

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8421.D

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags

Unknown
14.600 2205138 27.0 6

Unknown
15.375 1893358 23.2 6

Quantitation Compounds

Compound	RT	Response	Amount ng/uL

* 5 Chrysene-d12 12.516 2946274 40.0

* 6 Perylene-d12 13.622 3270416 40.0

QC Flag Legend

Processing Flags

Report Date: 29-Sep-2011 13:41:15

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File:

\\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8421.D

Injection Date: 27-Sep-2011 18:20:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 32985

Lims Sample ID: 19

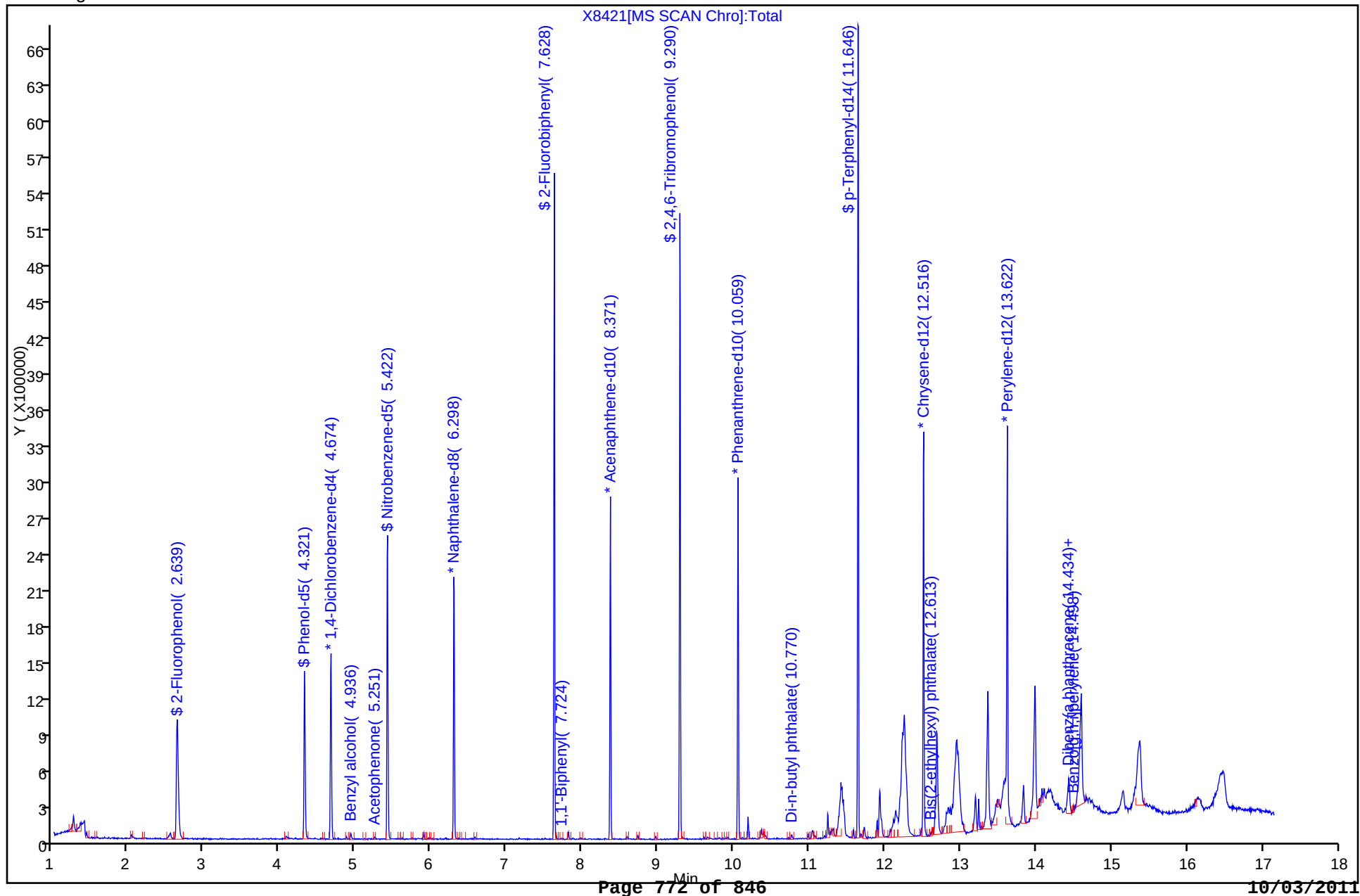
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



Report Date: 29-Sep-2011 13:41:15

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8421.D

Injection Date: 27-Sep-2011 18:20:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 32985

Lims Sample ID: 19

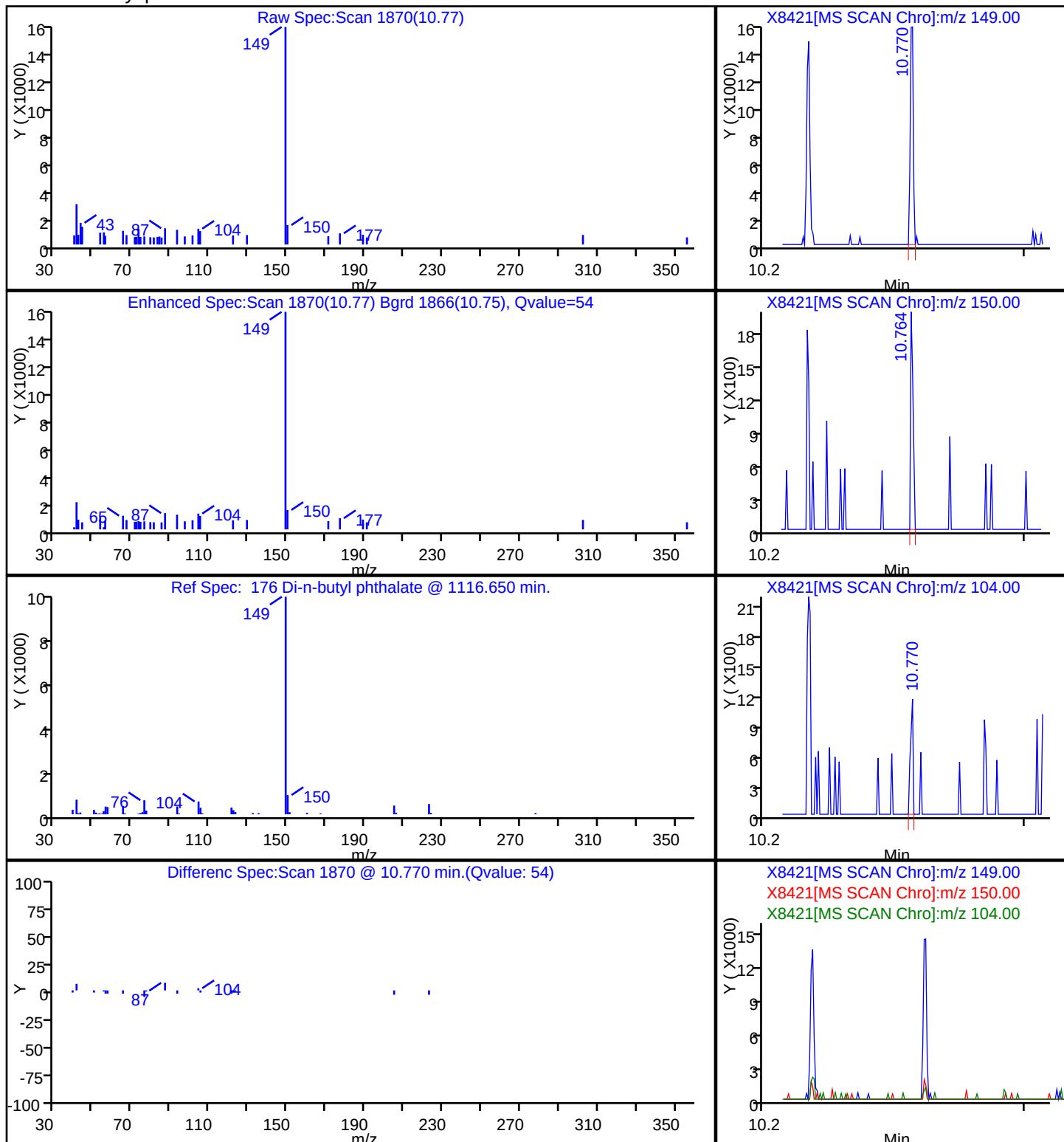
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

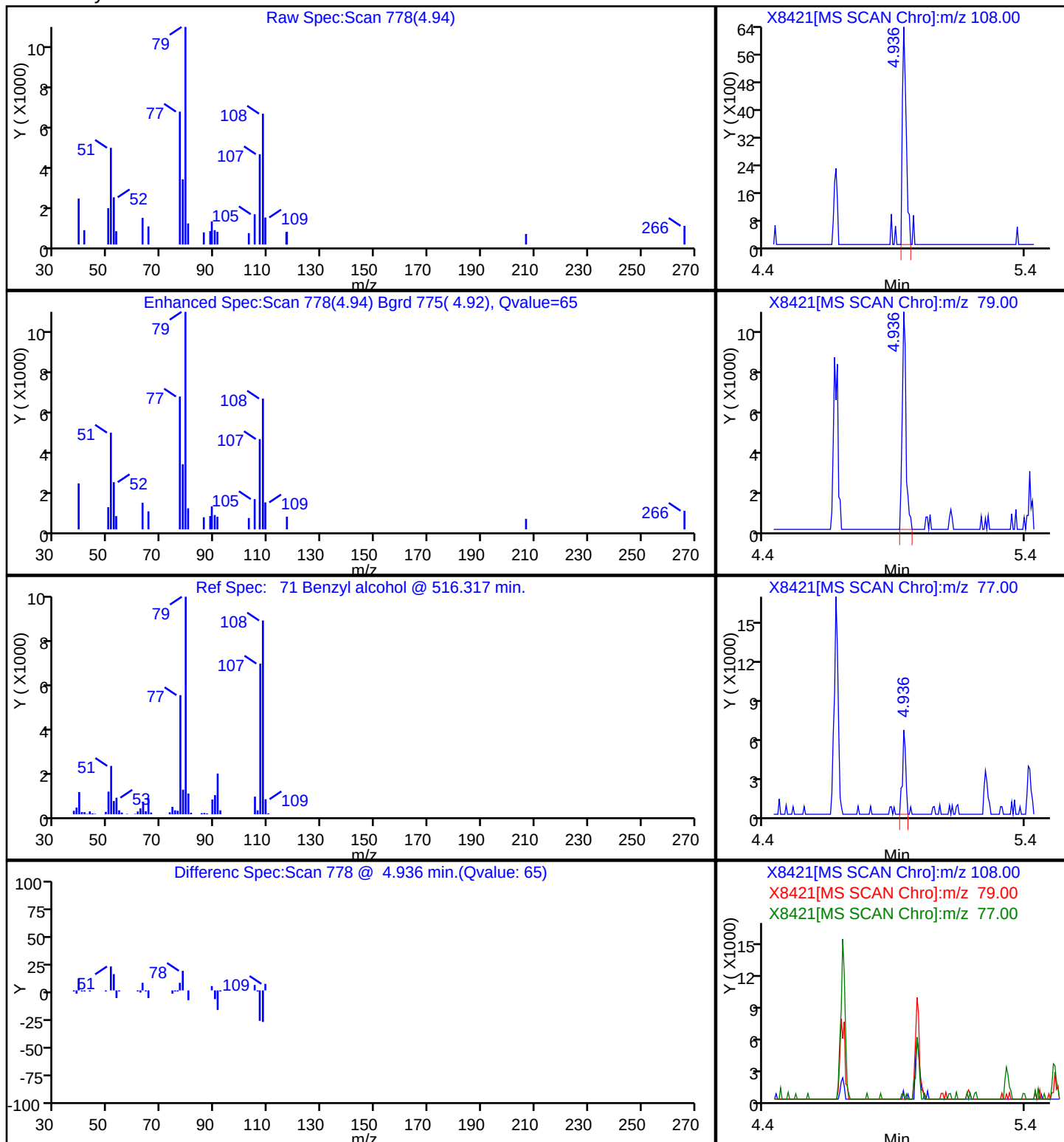
176 Di-n-butyl phthalate



Report Date: 29-Sep-2011 13:41:15
Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8421.D
Injection Date: 27-Sep-2011 18:20:30
Client ID:
Lims Batch ID: 32985
Operator ID: MKP/RJF
Column Type: RXI-5Sil MS

Chrom Revision: 2.0 01-Sep-2011 14:10:00
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973X
Lims Sample ID: 19
Injection Vol: 1.00 ul
Column Dia: 0.25 mm

71 Benzyl alcohol



Report Date: 29-Sep-2011 13:41:15

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8421.D

Injection Date: 27-Sep-2011 18:20:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 32985

Lims Sample ID: 19

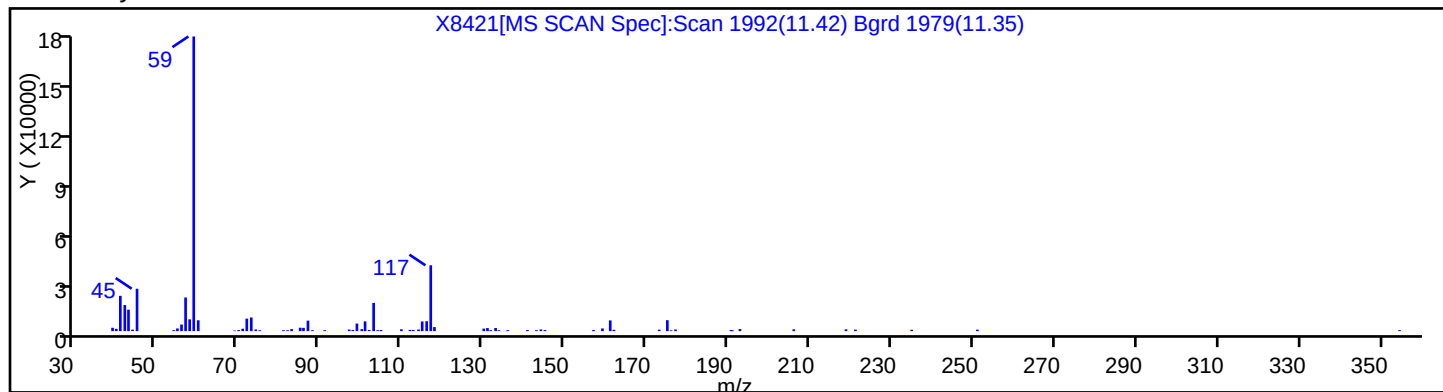
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 29-Sep-2011 13:41:15

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8421.D

Injection Date: 27-Sep-2011 18:20:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 32985

Lims Sample ID: 19

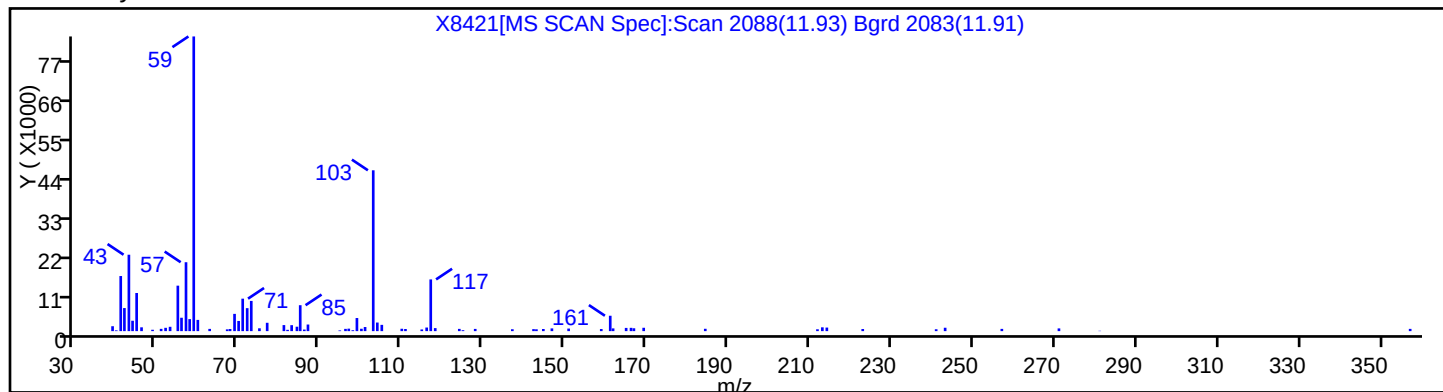
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 29-Sep-2011 13:41:15

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8421.D

Injection Date: 27-Sep-2011 18:20:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 32985

Lims Sample ID: 19

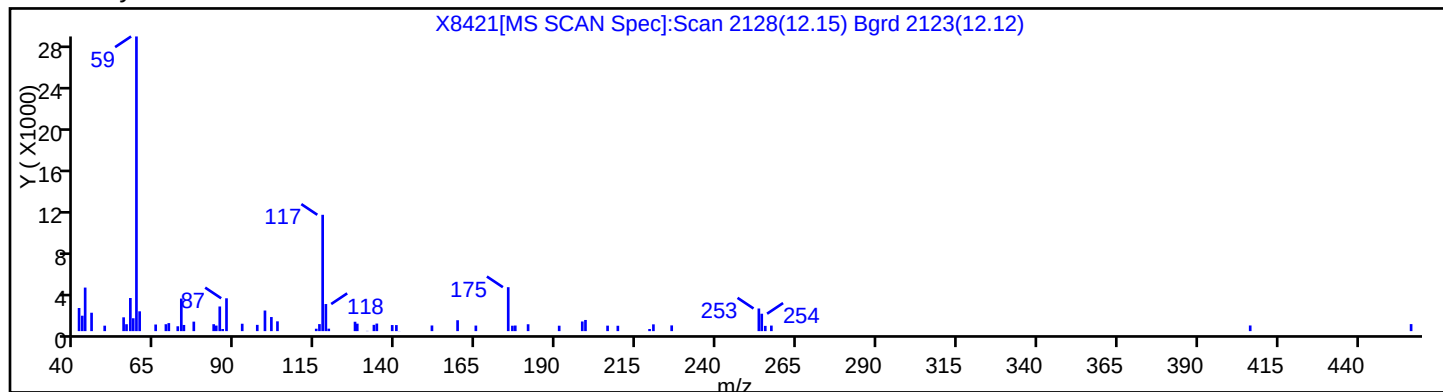
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Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 29-Sep-2011 13:41:15

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8421.D

Injection Date: 27-Sep-2011 18:20:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 32985

Lims Sample ID: 19

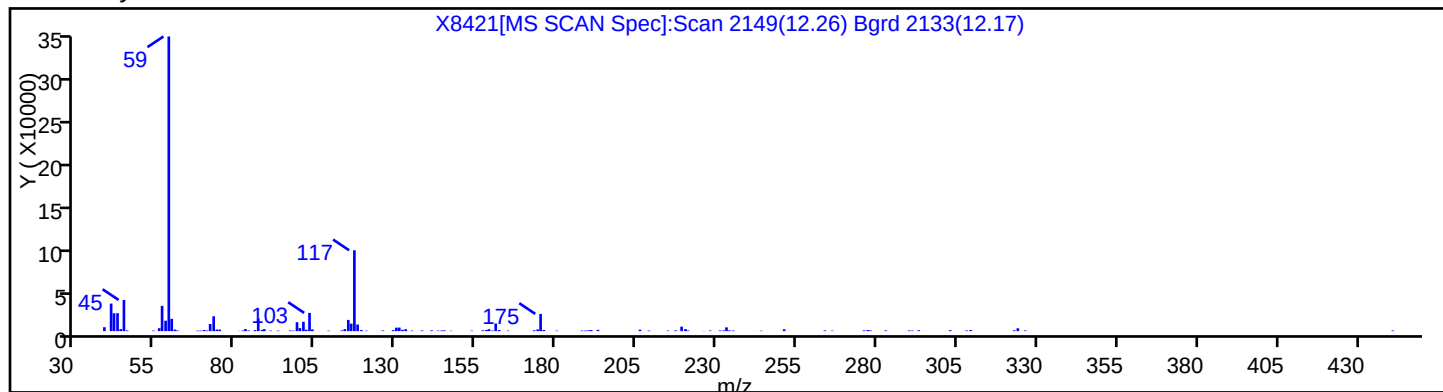
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 29-Sep-2011 13:41:15

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8421.D

Injection Date: 27-Sep-2011 18:20:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 32985

Lims Sample ID: 19

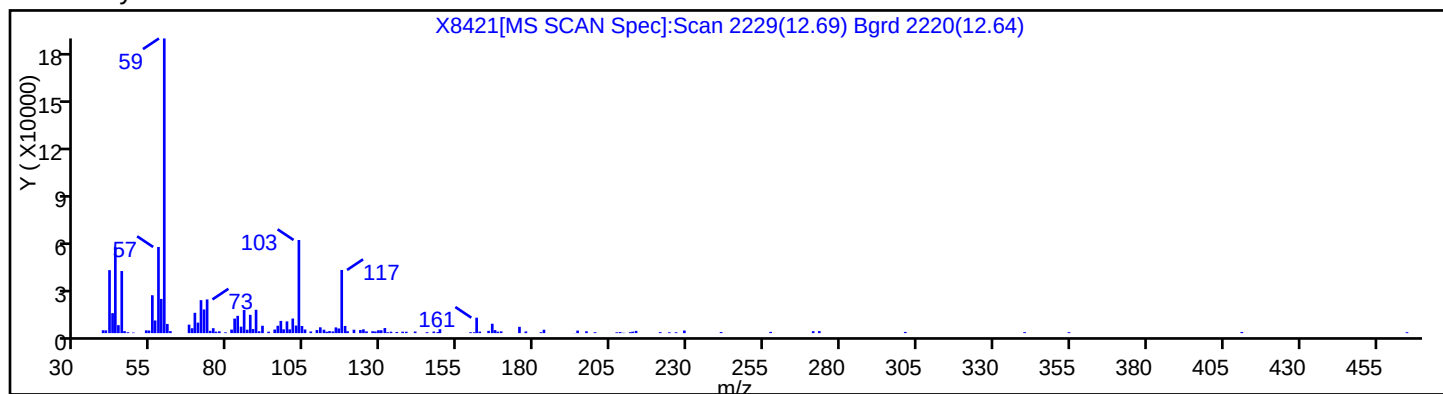
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Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 29-Sep-2011 13:41:15

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8421.D

Injection Date: 27-Sep-2011 18:20:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 32985

Lims Sample ID: 19

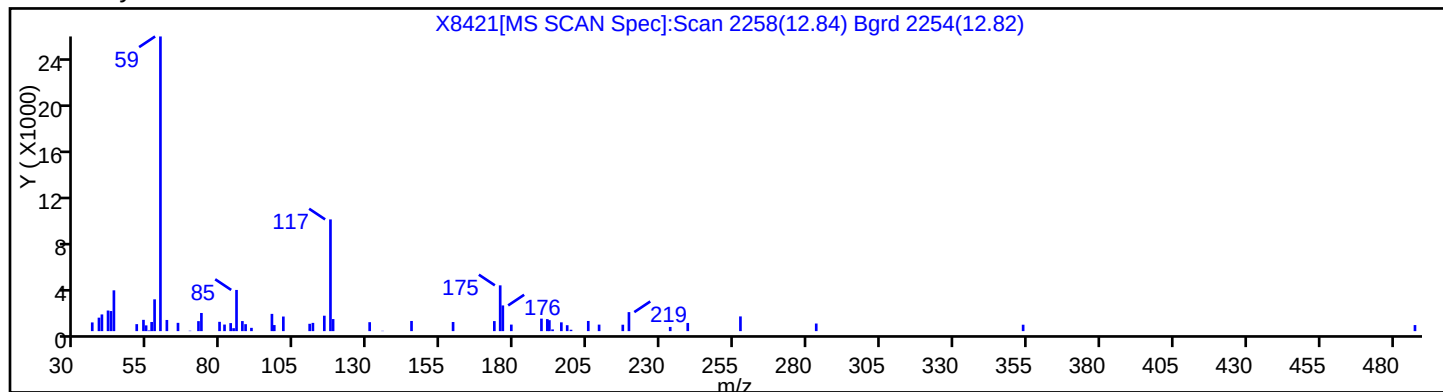
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 29-Sep-2011 13:41:15

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8421.D

Injection Date: 27-Sep-2011 18:20:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 32985

Lims Sample ID: 19

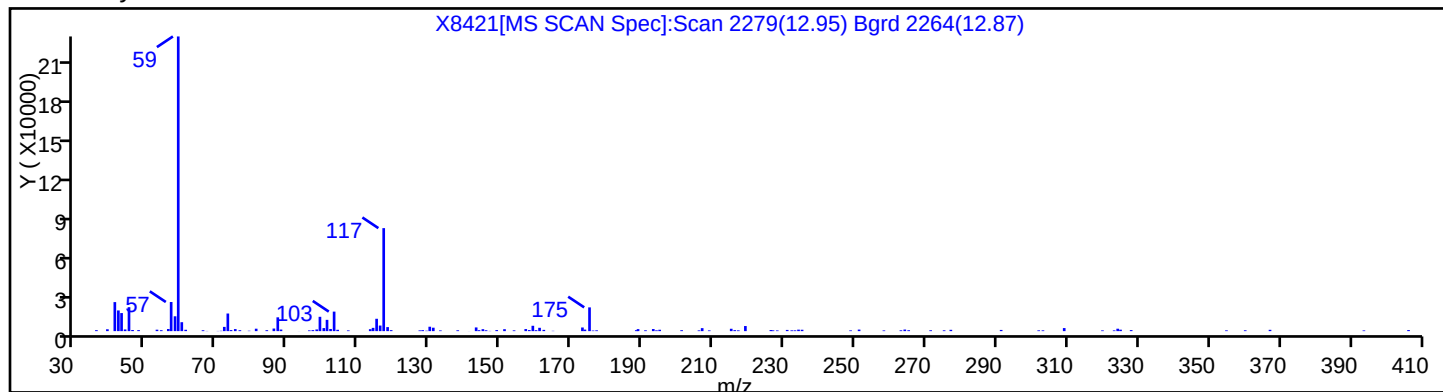
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 29-Sep-2011 13:41:15

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8421.D

Injection Date: 27-Sep-2011 18:20:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 32985

Lims Sample ID: 19

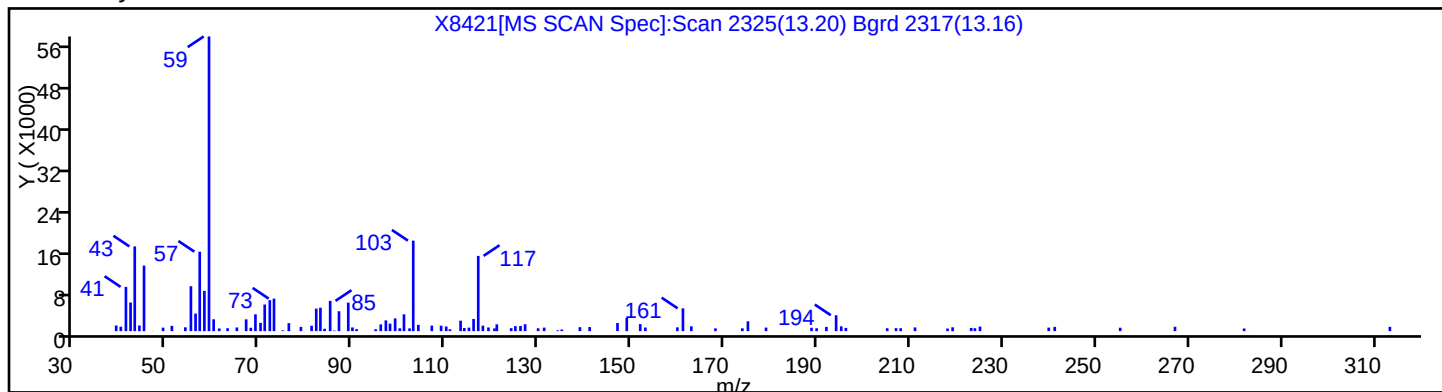
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 29-Sep-2011 13:41:15

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8421.D

Injection Date: 27-Sep-2011 18:20:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 32985

Lims Sample ID: 19

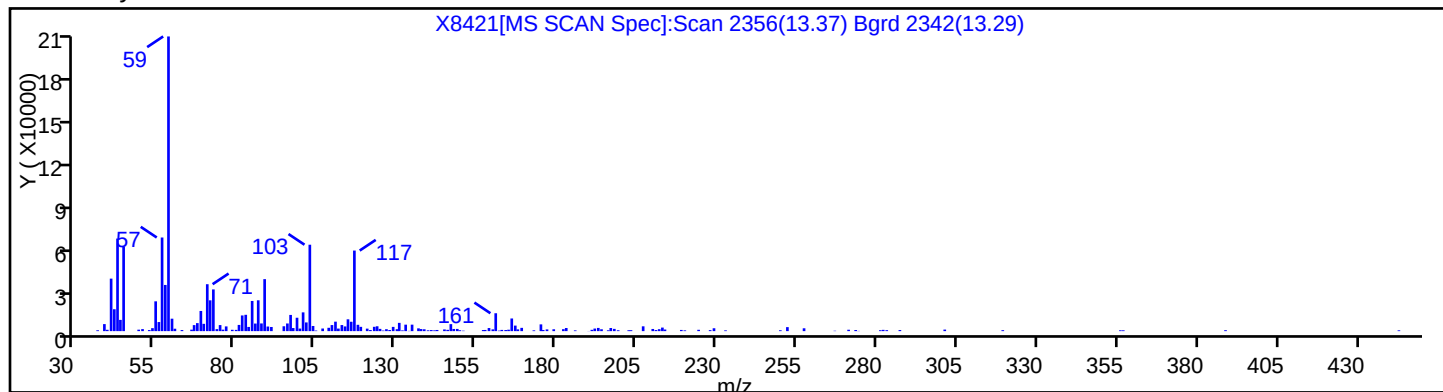
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 29-Sep-2011 13:41:15

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8421.D

Injection Date: 27-Sep-2011 18:20:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 32985

Lims Sample ID: 19

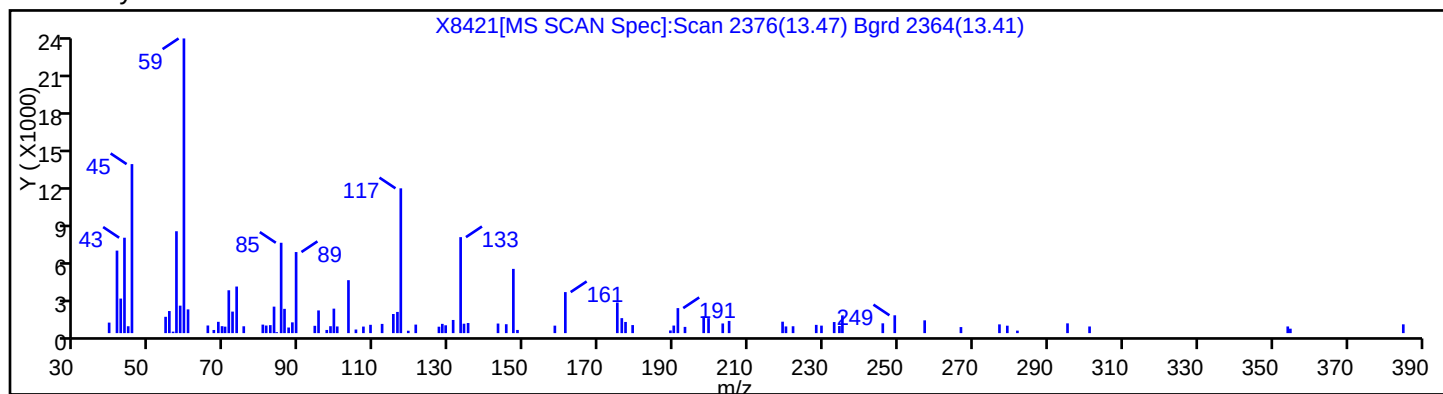
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 29-Sep-2011 13:41:15

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8421.D

Injection Date: 27-Sep-2011 18:20:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 32985

Lims Sample ID: 19

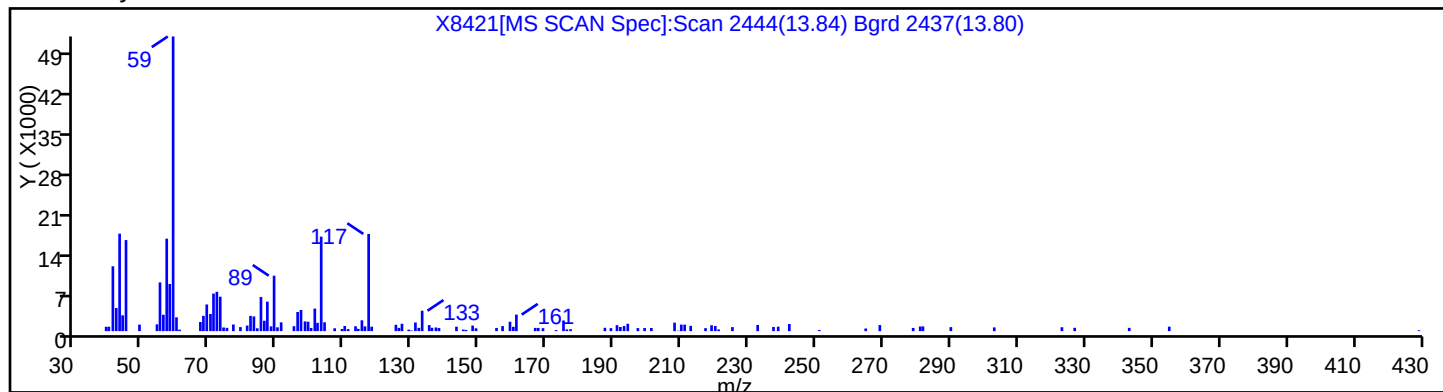
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 29-Sep-2011 13:41:15

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8421.D

Injection Date: 27-Sep-2011 18:20:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 32985

Lims Sample ID: 19

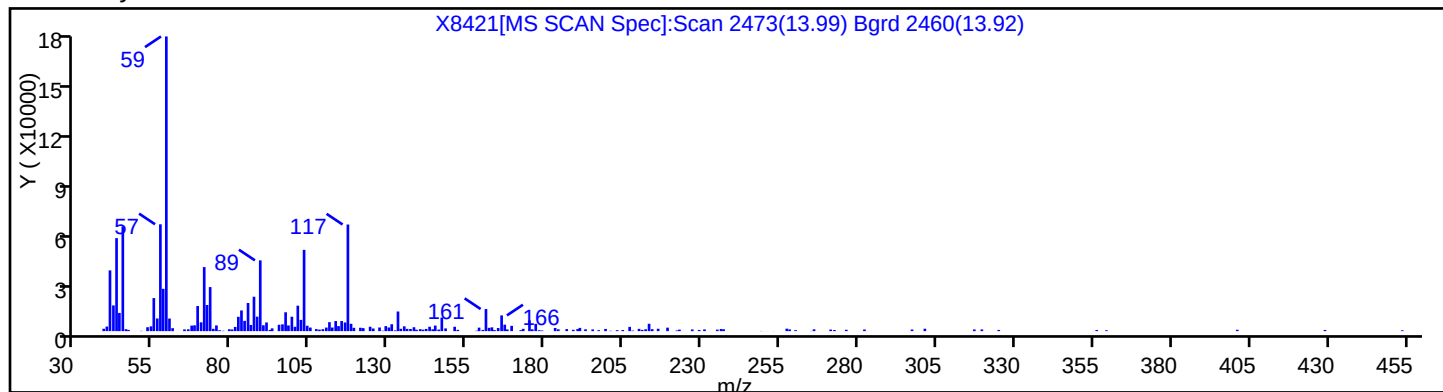
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 29-Sep-2011 13:41:15

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8421.D

Injection Date: 27-Sep-2011 18:20:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 32985

Lims Sample ID: 19

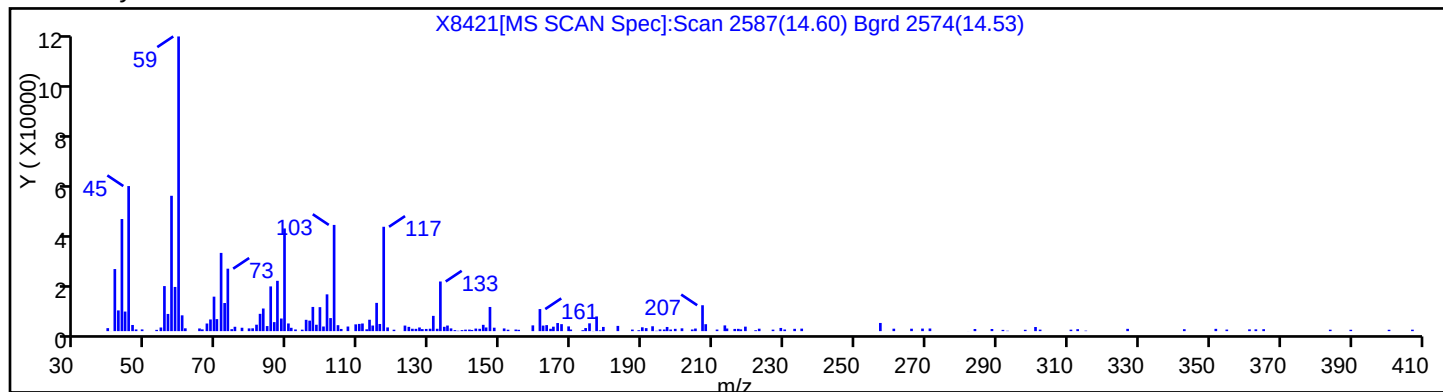
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 29-Sep-2011 13:41:15

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8421.D

Injection Date: 27-Sep-2011 18:20:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 32985

Lims Sample ID: 19

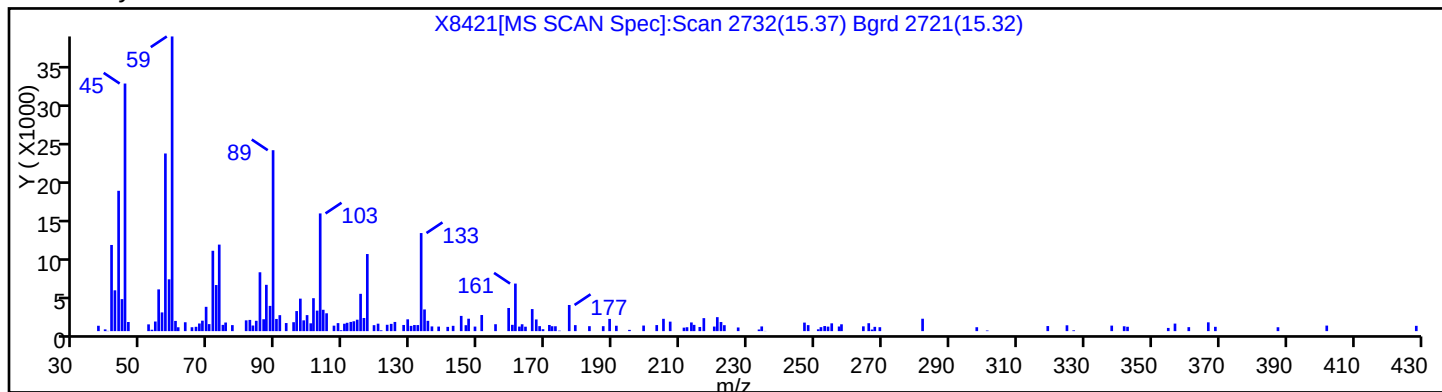
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-32474/2-A

Matrix: Solid Lab File ID: U4502.D

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3550B Date Extracted: 09/22/2011 15:36

Sample wt/vol: +30.19(g) Date Analyzed: 09/23/2011 14:07

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

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 32612 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	3290		170	37
88-06-2	2,4,6-Trichlorophenol	3180		170	11
120-83-2	2,4-Dichlorophenol	3180		170	8.8
105-67-9	2,4-Dimethylphenol	3030		170	45
51-28-5	2,4-Dinitrophenol	3690		330	59
121-14-2	2,4-Dinitrotoluene	3650		170	26
606-20-2	2,6-Dinitrotoluene	3840		170	41
91-58-7	2-Chloronaphthalene	3220		170	11
95-57-8	2-Chlorophenol	2890		170	8.5
91-57-6	2-Methylnaphthalene	3020		170	2.0
95-48-7	2-Methylphenol	3190		170	5.2
88-74-4	2-Nitroaniline	3770		330	54
88-75-5	2-Nitrophenol	3080		170	7.7
91-94-1	3,3'-Dichlorobenzidine	3210		170	150
99-09-2	3-Nitroaniline	3510		330	39
534-52-1	4,6-Dinitro-2-methylphenol	3590		330	58
101-55-3	4-Bromophenyl phenyl ether	3620		170	53
59-50-7	4-Chloro-3-methylphenol	3320		170	6.9
106-47-8	4-Chloroaniline	2870		170	49
7005-72-3	4-Chlorophenyl phenyl ether	3530		170	3.6
106-44-5	4-Methylphenol	6550		330	9.3
100-01-6	4-Nitroaniline	3650		330	19
100-02-7	4-Nitrophenol	3330		330	41
83-32-9	Acenaphthene	3510		170	2.0
208-96-8	Acenaphthylene	3660		170	1.4
98-86-2	Acetophenone	3060		170	8.6
120-12-7	Anthracene	3600		170	4.3
1912-24-9	Atrazine	4080		170	7.5
100-52-7	Benzaldehyde	2960		170	18
56-55-3	Benzo(a)anthracene	3450		170	2.9
50-32-8	Benzo(a)pyrene	3500		170	4.0
205-99-2	Benzo(b)fluoranthene	3530		170	3.3
191-24-2	Benzo(g,h,i)perylene	3570		170	2.0
207-08-9	Benzo(k)fluoranthene	3530		170	1.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-32474/2-A

Matrix: Solid Lab File ID: U4502.D

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3550B Date Extracted: 09/22/2011 15:36

Sample wt/vol: +30.19(g) Date Analyzed: 09/23/2011 14:07

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

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 32612 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	3090		170	10
108-60-1	bis (2-chloroisopropyl) ether	2980		170	18
111-91-1	Bis(2-chloroethoxy)methane	3080		170	9.1
111-44-4	Bis(2-chloroethyl)ether	2820		170	14
117-81-7	Bis(2-ethylhexyl) phthalate	3660		170	54
85-68-7	Butyl benzyl phthalate	3470		170	45
105-60-2	Caprolactam	4250		170	73
86-74-8	Carbazole	3590		170	1.9
218-01-9	Chrysene	3620		170	1.7
53-70-3	Dibenz(a,h)anthracene	3560		170	2.0
132-64-9	Dibenzofuran	3270		170	1.7
84-66-2	Diethyl phthalate	3710		170	5.1
131-11-3	Dimethyl phthalate	3580		170	4.4
84-74-2	Di-n-butyl phthalate	3740		170	58
117-84-0	Di-n-octyl phthalate	4160		170	3.9
206-44-0	Fluoranthene	3580		170	2.4
86-73-7	Fluorene	3620		170	3.9
118-74-1	Hexachlorobenzene	3590		170	8.3
87-68-3	Hexachlorobutadiene	2780		170	8.6
77-47-4	Hexachlorocyclopentadiene	2890		170	51
67-72-1	Hexachloroethane	2620		170	13
193-39-5	Indeno(1,2,3-cd)pyrene	3450		170	4.6
78-59-1	Isophorone	3130		170	8.4
91-20-3	Naphthalene	3020		170	2.8
98-95-3	Nitrobenzene	2940		170	7.4
621-64-7	N-Nitrosodi-n-propylamine	3300		170	13
86-30-6	N-Nitrosodiphenylamine	3740		170	9.2
87-86-5	Pentachlorophenol	2770		330	58
85-01-8	Phenanthrene	3550		170	3.5
108-95-2	Phenol	3010		170	18
129-00-0	Pyrene	3400		170	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 480-32474/2-A
Matrix: Solid Lab File ID: U4502.D
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3550B Date Extracted: 09/22/2011 15:36
Sample wt/vol: +30.19(g) Date Analyzed: 09/23/2011 14:07
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 32612 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	121		39-146
321-60-8	2-Fluorobiphenyl	95		37-120
367-12-4	2-Fluorophenol	87		18-120
4165-60-0	Nitrobenzene-d5	88		34-132
1718-51-0	p-Terphenyl-d14	112		58-147
4165-62-2	Phenol-d5	91		11-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4502.D
 Lims ID: LCS 480-32474/2-A Client ID:
 Inject. Date: 23-Sep-2011 14:07:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 480-0006193-005
 Misc. Info.: LCS 480-32474/2-A
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 32612 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U-8270.m
 Last Update: 23-Sep-2011 14:49:11 Calib Date: 14-Sep-2011 21:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 23-Sep-2011 14:49:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.779	5.773	0.006	95	95813	40.0	
* 2 Naphthalene-d8	136	7.504	7.499	0.005	98	359468	40.0	
* 3 Acenaphthene-d10	164	9.775	9.775	0.0	72	232143	40.0	
* 4 Phenanthrene-d10	188	11.484	11.479	0.005	97	427205	40.0	
* 5 Chrysene-d12	240	13.958	13.952	0.006	86	472824	40.0	
* 6 Perylene-d12	264	15.218	15.219	-0.001	97	461087	40.0	
\$ 9 2-Fluorophenol	112	3.920	3.914	0.006	94	354743	131.0	
\$ 10 Phenol-d5	99	5.330	5.325	0.005	90	445259	136.3	
\$ 11 Nitrobenzene-d5	82	6.543	6.543	0.0	82	294699	88.0	
\$ 12 2-Fluorobiphenyl	172	8.925	8.925	0.0	88	715316	95.4	
\$ 13 2,4,6-Tribromophenol	330	10.731	10.731	0.0	93	231329	181.1	
\$ 14 p-Terphenyl-d14	244	13.023	13.023	0.0	96	1194885	112.5	
80 1,4-Dioxane	88	1.751	1.761	-0.010	72	49506	62.0	
81 N-Nitrosodimethylamine	42	2.012	2.013	-0.001	59	252822	88.4	
82 Pyridine	52	2.066	2.071	-0.005	58	206108	81.9	
88 Benzaldehyde	77	5.154	5.148	0.006	78	183075	89.5	
90 Aniline	93	5.319	5.314	0.005	86	337987	80.8	
89 Phenol	94	5.346	5.346	0.0	82	325966	90.8	M
91 Bis(2-chloroethyl)ether	93	5.415	5.410	0.005	97	206639	85.1	
93 2-Chlorophenol	128	5.501	5.496	0.005	91	275864	87.3	
94 1,3-Dichlorobenzene	146	5.699	5.699	0.0	93	307714	78.4	
95 1,4-Dichlorobenzene	146	5.800	5.800	0.0	79	314370	79.1	
96 Benzyl alcohol	108	5.992	5.993	-0.001	84	199723	98.7	
97 1,2-Dichlorobenzene	146	6.014	6.014	0.0	87	286620	78.0	
99 2,2'-oxybis[1-chloropropane]	45	6.179	6.174	0.005	75	499212	90.0	
98 2-Methylphenol	108	6.185	6.180	0.005	85	254165	96.2	
104 Acetophenone	105	6.345	6.340	0.005	90	408306	92.5	
101 N-Nitrosodi-n-propylamine	70	6.356	6.356	0.0	90	190250	99.6	
102 4-Methylphenol	108	6.409	6.399	0.010	80	536121	197.7	E
106 Hexachloroethane	117	6.473	6.473	0.0	86	119406	79.2	
107 Nitrobenzene	77	6.569	6.564	0.005	95	304430	88.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
110 Isophorone	82	6.895	6.895	0.0	89	521816	94.5	
111 2-Nitrophenol	139	7.002	7.002	0.0	78	161838	92.9	
112 2,4-Dimethylphenol	107	7.109	7.109	0.0	97	328861	91.5	
113 Tetraethyl lead	237	7.146	7.147	0.0	86	94016	45.5	
115 Bis(2-chloroethoxy)methane	93	7.205	7.205	0.0	95	260717	93.1	
117 2,4-Dichlorophenol	162	7.344	7.344	0.0	94	274317	96.1	
119 Benzoic acid	105	7.307	7.382	-0.075	90	158819	70.5	
120 1,2,4-Trichlorobenzene	180	7.440	7.435	0.005	93	286260	86.4	
121 Naphthalene	128	7.531	7.531	0.0	96	829441	91.1	
123 4-Chloroaniline	127	7.622	7.622	0.0	80	319960	86.6	
126 Hexachlorobutadiene	225	7.723	7.723	0.0	95	221131	83.9	
127 Caprolactam	113	8.092	8.033	0.059	54	85949	128.2	
131 4-Chloro-3-methylphenol	107	8.306	8.295	0.011	95	300174	100.2	
133 2-Methylnaphthalene	142	8.439	8.439	0.0	88	604323	91.3	
136 Hexachlorocyclopentadiene	237	8.669	8.664	0.005	95	253336	87.1	
139 2,4,6-Trichlorophenol	196	8.829	8.829	0.0	93	209575	96.1	
140 2,4,5-Trichlorophenol	196	8.888	8.883	0.005	97	230029	99.2	
144 1,1'-Biphenyl	154	9.048	9.048	0.0	94	828850	93.3	
143 2-Chloronaphthalene	162	9.064	9.064	0.0	98	619560	97.3	
145 2-Nitroaniline	65	9.208	9.209	-0.001	75	220086	113.9	
147 Dimethyl phthalate	163	9.460	9.454	0.006	97	852698	108.1	
50 1,3-Dinitrobenzene	168	9.481	9.480	0.001	77	137570	0	
146 1,4-Dinitrobenzene	168	9.481	9.480	0.001	86	137570	0	
148 2,6-Dinitrotoluene	165	9.524	9.518	0.006	74	186280	115.9	
149 Acenaphthylene	152	9.593	9.593	0.0	91	1060536	110.5	
150 3-Nitroaniline	138	9.743	9.737	0.006	87	182104	105.9	
151 Acenaphthene	153	9.817	9.818	-0.001	92	660405	106.1	
152 2,4-Dinitrophenol	184	9.871	9.871	0.0	75	107236	111.3	
153 4-Nitrophenol	109	10.004	10.005	-0.001	86	218838	100.6	
154 2,4-Dinitrotoluene	165	10.037	10.031	0.005	40	271582	110.1	
155 Dibenzofuran	168	10.037	10.037	-0.001	86	975251	98.7	
158 2,3,4,6-Tetrachlorophenol	232	10.207	10.202	0.005	96	212486	100.3	
160 Diethyl phthalate	149	10.336	10.336	0.0	97	907873	111.9	
161 Fluorene	166	10.448	10.448	0.0	89	884447	109.3	
162 4-Chlorophenyl phenyl ether	204	10.453	10.453	0.0	86	461100	106.7	
164 4-Nitroaniline	138	10.491	10.491	0.0	61	191835	110.1	
166 4,6-Dinitro-2-methylphenol	198	10.528	10.528	0.0	70	183982	108.3	
167 N-Nitrosodiphenylamine	169	10.597	10.592	0.005	97	599722	113.0	
168 1,2-Diphenylhydrazine	77	10.635	10.635	0.0	91	712058	107.2	
176 4-Bromophenyl phenyl ether	248	11.009	11.004	0.005	94	278826	109.4	
177 Hexachlorobenzene	284	11.089	11.089	0.0	91	296780	108.4	
180 Atrazine	200	11.201	11.196	0.005	91	289133	123.2	
181 Pentachlorophenol	266	11.308	11.308	0.0	85	144456	83.6	
185 Phenanthrene	178	11.511	11.511	0.0	96	1278714	107.1	
188 Anthracene	178	11.564	11.559	0.005	96	1293527	108.7	
189 Carbazole	167	11.735	11.735	0.0	83	1097908	108.5	
192 Di-n-butyl phthalate	149	12.083	12.083	0.0	100	1421104	112.9	
197 Fluoranthene	202	12.681	12.681	0.0	95	1449797	108.2	
198 Benzidine	184	12.793	12.793	0.0	96	235580	36.5	
199 Pyrene	202	12.889	12.889	0.0	98	1433005	102.7	
205 Butyl benzyl phthalate	149	13.445	13.445	0.0	97	666199	104.7	
208 3,3'-Dichlorobenzidine	252	13.915	13.915	0.0	97	541980	97.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
210 Bis(2-ethylhexyl) phthalate	149	13.931	13.931	0.0	94	918385	110.5	
209 Benzo[a]anthracene	228	13.947	13.947	0.0	84	1455248	104.2	
211 Chrysene	228	13.979	13.979	0.0	91	1416704	109.4	
212 Di-n-octyl phthalate	149	14.455	14.455	0.0	99	1536387	125.6	
213 Benzo[b]fluoranthene	252	14.871	14.871	0.0	89	1502563	106.6	
214 Benzo[k]fluoranthene	252	14.893	14.893	0.0	93	1532837	106.7	
217 Benzo[a]pyrene	252	15.170	15.171	-0.001	100	1237335	105.7	
220 Dibenz(a,h)anthracene	278	16.340	16.335	0.005	60	1425209	107.4	
219 Indeno[1,2,3-cd]pyrene	276	16.335	16.335	0.0	88	1594578	104.3	
221 Benzo[g,h,i]perylene	276	16.656	16.656	0.0	90	1208928	107.7	
S 78 3-Methylphenol	1				0		197.7	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

Report Date: 23-Sep-2011 14:49:11

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4502.D

Injection Date: 23-Sep-2011 14:07:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973U

Lims Batch ID: 32612

Lims Sample ID: 5

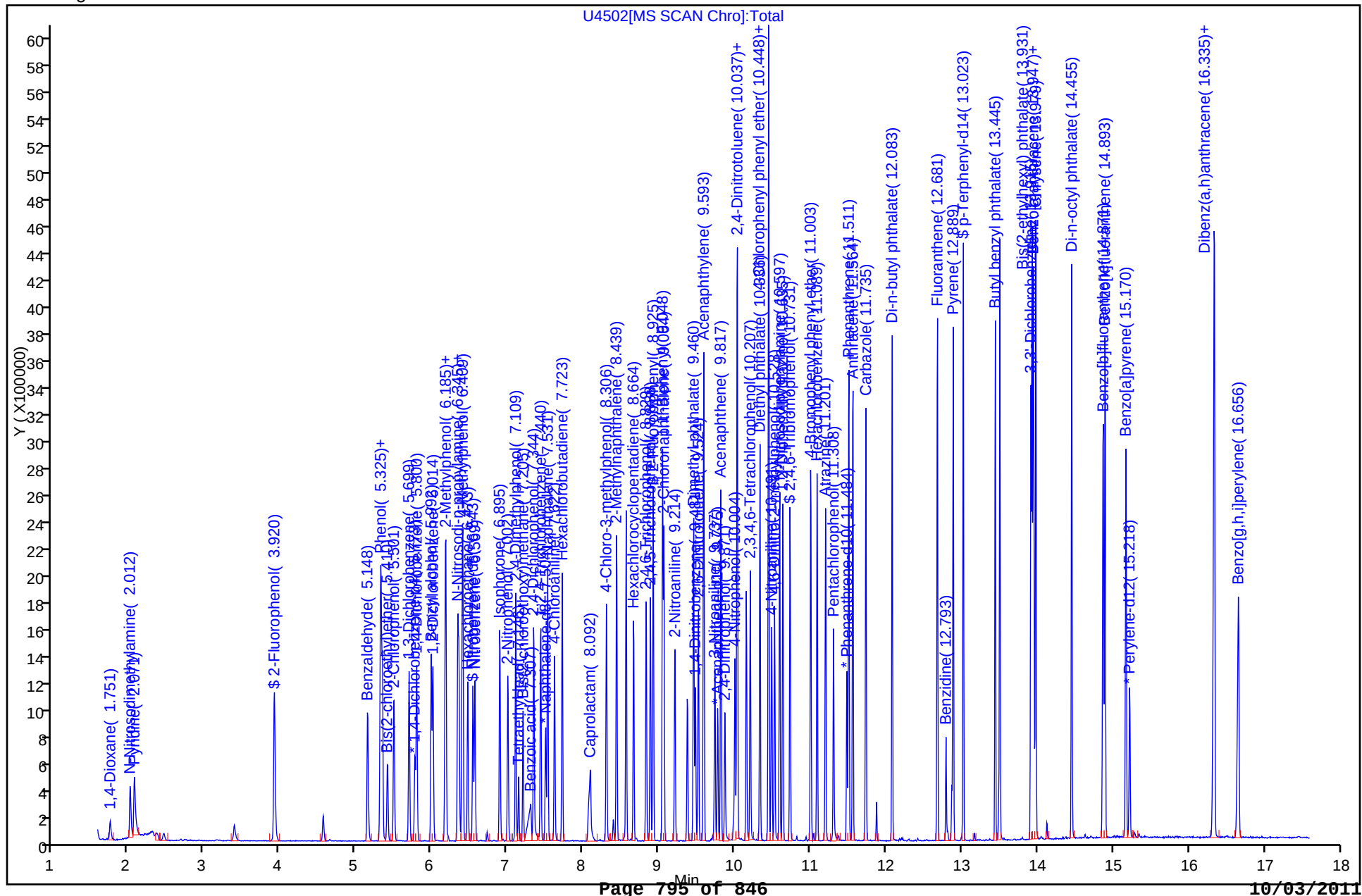
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

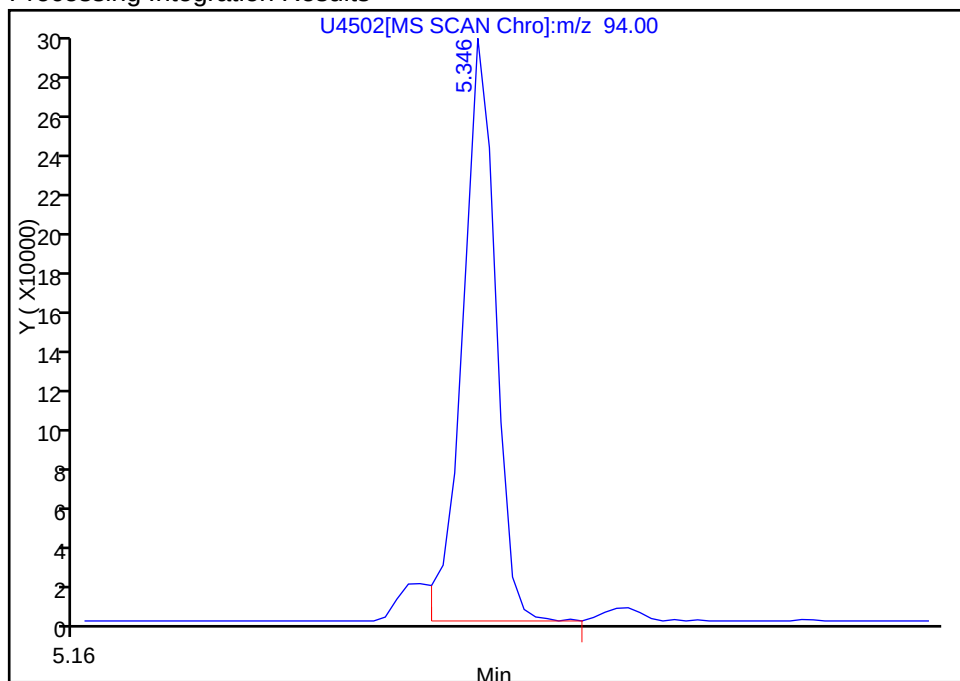


Data File:	\\Bufchrom\ChromData\HP5973U\20110923-6193.b\U4502.D		
Injection Date:	23-Sep-2011 14:07:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	32612	Lims Sample ID:	5
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

89 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 5.35

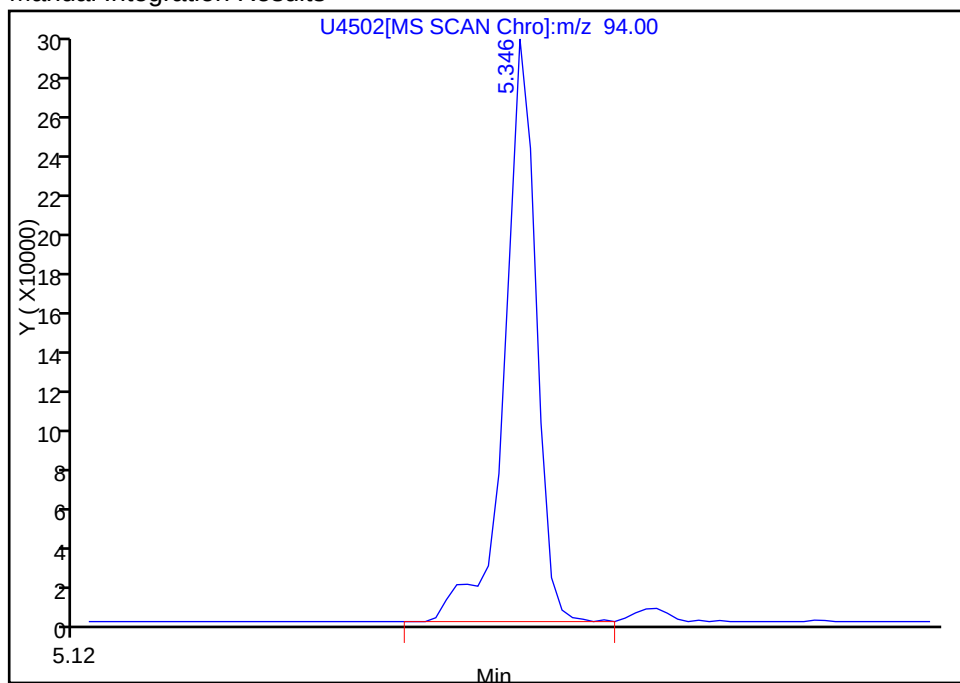
RT: 5.35
Response: 309874
Amount: 86.272230

Processing Integration Results



RT: 5.35
Response: 325966
Amount: 90.752415

Manual Integration Results



Reviewer: mckernar, 23-Sep-2011 14:49:11

Audit Action: Manually Integrated

Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-10088-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 480-32537/2-A</u>
Matrix: <u>Water</u>	Lab File ID: <u>X8422.D</u>
Analysis Method: <u>8270C</u>	Date Collected: _____
Extract. Method: <u>3510C</u>	Date Extracted: <u>09/23/2011 07:20</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>09/27/2011 18:43</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>32985</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	105		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	102		5.0	0.61
120-83-2	2,4-Dichlorophenol	97.7		5.0	0.51
105-67-9	2,4-Dimethylphenol	95.8		5.0	0.50
51-28-5	2,4-Dinitrophenol	107		10	2.2
121-14-2	2,4-Dinitrotoluene	112		5.0	0.45
606-20-2	2,6-Dinitrotoluene	116		5.0	0.40
91-58-7	2-Chloronaphthalene	77.6		5.0	0.46
95-57-8	2-Chlorophenol	75.3		5.0	0.53
91-57-6	2-Methylnaphthalene	69.0		5.0	0.60
95-48-7	2-Methylphenol	77.6		5.0	0.40
88-74-4	2-Nitroaniline	123		10	0.42
88-75-5	2-Nitrophenol	90.0		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	88.0		5.0	0.40
99-09-2	3-Nitroaniline	105		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	111		10	2.2
101-55-3	4-Bromophenyl phenyl ether	102		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	107		5.0	0.45
106-47-8	4-Chloroaniline	95.9		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	94.5		5.0	0.35
106-44-5	4-Methylphenol	155		10	0.36
100-01-6	4-Nitroaniline	112		10	0.25
100-02-7	4-Nitrophenol	62.8		10	1.5
83-32-9	Acenaphthene	88.7		5.0	0.41
208-96-8	Acenaphthylene	89.8		5.0	0.38
98-86-2	Acetophenone	92.0		5.0	0.54
120-12-7	Anthracene	111		5.0	0.28
1912-24-9	Atrazine	116		5.0	0.46
100-52-7	Benzaldehyde	80.6		5.0	0.27
56-55-3	Benzo (a) anthracene	107		5.0	0.36
50-32-8	Benzo (a) pyrene	107		5.0	0.47
205-99-2	Benzo (b) fluoranthene	101		5.0	0.34
191-24-2	Benzo (g, h, i) perylene	114		5.0	0.35
207-08-9	Benzo (k) fluoranthene	112		5.0	0.73

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-32537/2-A

Matrix: Water Lab File ID: X8422.D

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3510C Date Extracted: 09/23/2011 07:20

Sample wt/vol: 1000(mL) Date Analyzed: 09/27/2011 18:43

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

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 32985 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	76.9		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	92.6		5.0	0.52
111-91-1	Bis(2-chloroethoxy)methane	95.7		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	82.0		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	117		5.0	1.8
85-68-7	Butyl benzyl phthalate	116		5.0	0.42
105-60-2	Caprolactam	36.3		5.0	2.2
86-74-8	Carbazole	114		5.0	0.30
218-01-9	Chrysene	104		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	111		5.0	0.42
132-64-9	Dibenzofuran	90.1		10	0.51
84-66-2	Diethyl phthalate	111		5.0	0.22
131-11-3	Dimethyl phthalate	108		5.0	0.36
84-74-2	Di-n-butyl phthalate	117		5.0	0.31
117-84-0	Di-n-octyl phthalate	122		5.0	0.47
206-44-0	Fluoranthene	111		5.0	0.40
86-73-7	Fluorene	101		5.0	0.36
118-74-1	Hexachlorobenzene	107		5.0	0.51
87-68-3	Hexachlorobutadiene	54.8		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	64.5		5.0	0.59
67-72-1	Hexachloroethane	53.1		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	108		5.0	0.47
78-59-1	Isophorone	100		5.0	0.43
91-20-3	Naphthalene	69.1		5.0	0.76
98-95-3	Nitrobenzene	90.5		5.0	0.29
621-64-7	N-Nitrosodi-n-propylamine	95.6		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	113		5.0	0.51
87-86-5	Pentachlorophenol	110		10	2.2
85-01-8	Phenanthrene	109		5.0	0.44
108-95-2	Phenol	42.2		5.0	0.39
129-00-0	Pyrene	104		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 480-32537/2-A
Matrix: Water Lab File ID: X8422.D
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3510C Date Extracted: 09/23/2011 07:20
Sample wt/vol: 1000(mL) Date Analyzed: 09/27/2011 18:43
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 32985 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	116		52-132
321-60-8	2-Fluorobiphenyl	89		48-120
367-12-4	2-Fluorophenol	47		20-120
4165-60-0	Nitrobenzene-d5	89		46-120
1718-51-0	p-Terphenyl-d14	106		24-136
4165-62-2	Phenol-d5	36		16-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8422.D
 Lims ID: LCS 480-32537/2-A Client ID:
 Inject. Date: 27-Sep-2011 18:43:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 480-0006253-020
 Misc. Info.: LCS 480-32537/2-A
 Operator: MKP/RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 22
 Lims Batch ID: 32985 Lims Sample ID: 20
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X-8270.m
 Last Update: 29-Sep-2011 13:42:51 Calib Date: 09-Sep-2011 14:37:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7706.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 29-Sep-2011 13:42:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.674	4.674	0.0	95	238419	40.0	
* 2 Naphthalene-d8	136	6.304	6.298	0.006	99	912359	40.0	
* 3 Acenaphthene-d10	164	8.376	8.371	0.005	87	603261	40.0	
* 4 Phenanthrene-d10	188	10.065	10.059	0.006	97	976997	40.0	
* 5 Chrysene-d12	240	12.522	12.517	0.005	97	1043738	40.0	
* 6 Perylene-d12	264	13.628	13.623	0.006	97	969182	40.0	
\$ 7 2-Fluorophenol	112	2.639	2.639	0.0	89	514096	69.9	
\$ 8 Phenol-d5	99	4.327	4.322	0.005	99	482239	54.7	
\$ 9 Nitrobenzene-d5	82	5.422	5.422	0.0	95	762541	89.1	
\$ 10 2-Fluorobiphenyl	172	7.634	7.629	0.005	93	1682821	88.8	
\$ 11 2,4,6-Tribromophenol	330	9.301	9.290	0.011	56	593497	173.8	
\$ 12 p-Terphenyl-d14	244	11.651	11.646	0.005	96	2448318	105.5	
54 1,4-Dioxane	88	0.876	0.876	0.0	95	142671	53.1	
55 N-Nitrosodimethylamine	42	1.052	1.052	0.0	74	317819	61.2	
56 Pyridine	52	1.084	1.084	0.0	82	367663	67.1	
62 Benzaldehyde	77	4.039	4.038	0.001	84	470110	80.6	
64 Aniline	93	4.231	4.231	0.0	95	902318	80.5	
63 Phenol	94	4.343	4.343	0.0	87	414829	42.2	M
66 Bis(2-chloroethyl)ether	93	4.354	4.359	-0.005	75	589132	82.0	
67 2-Chlorophenol	128	4.407	4.407	0.0	93	610988	75.3	
69 1,3-Dichlorobenzene	146	4.589	4.589	0.0	92	490381	52.2	
70 1,4-Dichlorobenzene	146	4.696	4.696	0.0	88	500862	52.3	
72 1,2-Dichlorobenzene	146	4.899	4.899	0.0	92	502171	54.9	
71 Benzyl alcohol	108	4.931	4.931	0.0	80	394085	77.7	
74 2,2'-oxybis[1-chloropropane]	45	5.112	5.112	0.0	87	787861	92.6	
73 2-Methylphenol	108	5.155	5.144	0.011	91	532060	77.6	
76 Acetophenone	105	5.251	5.240	0.011	94	968164	92.0	
78 N-Nitrosodi-n-propylamine	70	5.289	5.283	0.006	92	513150	95.6	
81 Hexachloroethane	117	5.337	5.331	0.006	80	191217	53.1	
79 4-Methylphenol	108	5.374	5.363	0.011	85	1086657	155.2	
83 Nitrobenzene	77	5.449	5.444	0.005	88	769395	90.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
86 Isophorone	82	5.775	5.769	0.006	95	1482390	100.3	
87 2-Nitrophenol	139	5.855	5.855	0.0	90	404960	90.0	
90 Tetraethyl lead	237	6.010	6.010	0.0	38	90656	19.7	
89 2,4-Dimethylphenol	107	6.015	6.010	0.005	97	825838	95.8	
94 Bis(2-chloroethoxy)methane	93	6.090	6.090	0.0	97	788912	95.7	
97 2,4-Dichlorophenol	162	6.191	6.186	0.005	96	719715	97.7	
98 1,2,4-Trichlorobenzene	180	6.256	6.256	0.0	91	486719	59.1	
95 Benzoic acid	105	6.143	6.277	-0.134	1	9184	1.44	M
99 Naphthalene	128	6.325	6.325	0.0	96	1558350	69.1	
101 4-Chloroaniline	127	6.443	6.443	0.0	80	915285	95.9	
104 Hexachlorobutadiene	225	6.528	6.528	0.0	90	305633	54.8	
105 Caprolactam	113	6.875	6.838	0.037	71	72108	36.3	M
110 4-Chloro-3-methylphenol	107	7.110	7.105	0.005	94	797690	106.5	
113 2-Methylnaphthalene	142	7.169	7.169	0.0	89	1095497	69.0	
116 Hexachlorocyclopentadiene	237	7.377	7.377	0.0	93	393611	64.5	
118 2,4,6-Trichlorophenol	196	7.543	7.543	0.0	94	608718	101.9	
119 2,4,5-Trichlorophenol	196	7.596	7.586	0.010	94	664359	105.2	
123 1,1'-Biphenyl	154	7.735	7.730	0.005	95	1629145	76.9	
124 2-Chloronaphthalene	162	7.730	7.730	0.0	96	1260578	77.6	
125 2-Nitroaniline	65	7.890	7.885	0.005	77	578891	123.4	
127 1,4-Dinitrobenzene	168	8.051	8.045	0.006	93	321669	105.3	
129 1,3-Dinitrobenzene	168	8.141	8.136	0.005	68	365922	98.0	
128 Dimethyl phthalate	163	8.147	8.136	0.011	92	2125109	107.5	
130 2,6-Dinitrotoluene	165	8.189	8.184	0.005	90	489074	116.1	
131 Acenaphthylene	152	8.205	8.200	0.005	92	2163725	89.8	
132 3-Nitroaniline	138	8.376	8.371	0.005	88	468295	104.6	
133 Acenaphthene	153	8.414	8.408	0.006	86	1312372	88.7	
134 2,4-Dinitrophenol	184	8.494	8.489	0.005	79	238511	107.0	
138 Dibenzofuran	168	8.617	8.611	0.006	88	2156590	90.1	
137 2,4-Dinitrotoluene	165	8.649	8.644	0.005	72	679928	111.8	
135 4-Nitrophenol	109	8.676	8.665	0.011	26	231767	62.8	
140 2,3,4,6-Tetrachlorophenol	232	8.798	8.793	0.005	73	542321	118.9	
142 Diethyl phthalate	149	8.975	8.969	0.006	96	2147188	111.4	
144 Fluorene	166	9.012	9.007	0.005	79	1914205	100.7	
145 4-Chlorophenyl phenyl ether	204	9.050	9.044	0.006	83	955081	94.5	
147 4-Nitroaniline	138	9.087	9.076	0.011	59	493093	112.4	
148 4,6-Dinitro-2-methylphenol	198	9.124	9.114	0.010	58	479672	110.7	
149 N-Nitrosodiphenylamine	169	9.199	9.188	0.011	62	1469729	113.0	
152 1,2-Diphenylhydrazine	77	9.226	9.221	0.006	91	1977604	113.1	
159 4-Bromophenyl phenyl ether	248	9.605	9.600	0.005	60	600522	101.9	
160 Hexachlorobenzene	284	9.653	9.648	0.005	82	692184	106.5	
163 Atrazine	200	9.867	9.856	0.011	91	660386	116.0	
165 Pentachlorophenol	266	9.899	9.894	0.005	83	458640	109.5	
171 Phenanthrene	178	10.091	10.086	0.005	97	2879133	109.4	
172 Anthracene	178	10.145	10.139	0.006	97	2928880	110.6	
173 Carbazole	167	10.348	10.342	0.006	83	2758188	113.5	
176 Di-n-butyl phthalate	149	10.770	10.770	0.0	100	3502207	117.1	
182 Fluoranthene	202	11.267	11.261	0.006	97	3303195	110.5	
183 Benzdine	184	11.427	11.422	0.005	98	1324939	90.8	
185 Pyrene	202	11.464	11.459	0.005	97	3284506	103.6	
192 Butyl benzyl phthalate	149	12.105	12.105	0.0	98	1607251	116.0	
197 Benzo[a]anthracene	228	12.517	12.511	0.006	97	3163265	106.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
196 3,3'-Dichlorobenzidine	252	12.522	12.517	0.005	69	1055589	88.0	
199 Chrysene	228	12.543	12.538	0.005	90	2956581	104.3	
198 Bis(2-ethylhexyl) phthalate	149	12.613	12.613	0.0	96	2164404	116.5	
201 Di-n-octyl phthalate	149	13.120	13.115	0.005	100	3643670	121.5	
203 Benzo[b]fluoranthene	252	13.355	13.350	0.005	93	2977778	101.2	
204 Benzo[k]fluoranthene	252	13.377	13.371	0.006	98	3149148	111.9	
206 Benzo[a]pyrene	252	13.590	13.580	0.010	72	2528724	106.6	
208 Indeno[1,2,3-cd]pyrene	276	14.338	14.333	0.005	98	3402675	107.5	
209 Dibenz(a,h)anthracene	278	14.354	14.344	0.010	72	2987789	110.8	
210 Benzo[g,h,i]perylene	276	14.515	14.504	0.011	96	2947654	113.7	
S 214 3-Methylphenol	1				0		155.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 29-Sep-2011 13:42:51

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File:

\\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8422.D

Injection Date: 27-Sep-2011 18:43:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 32985

Lims Sample ID: 20

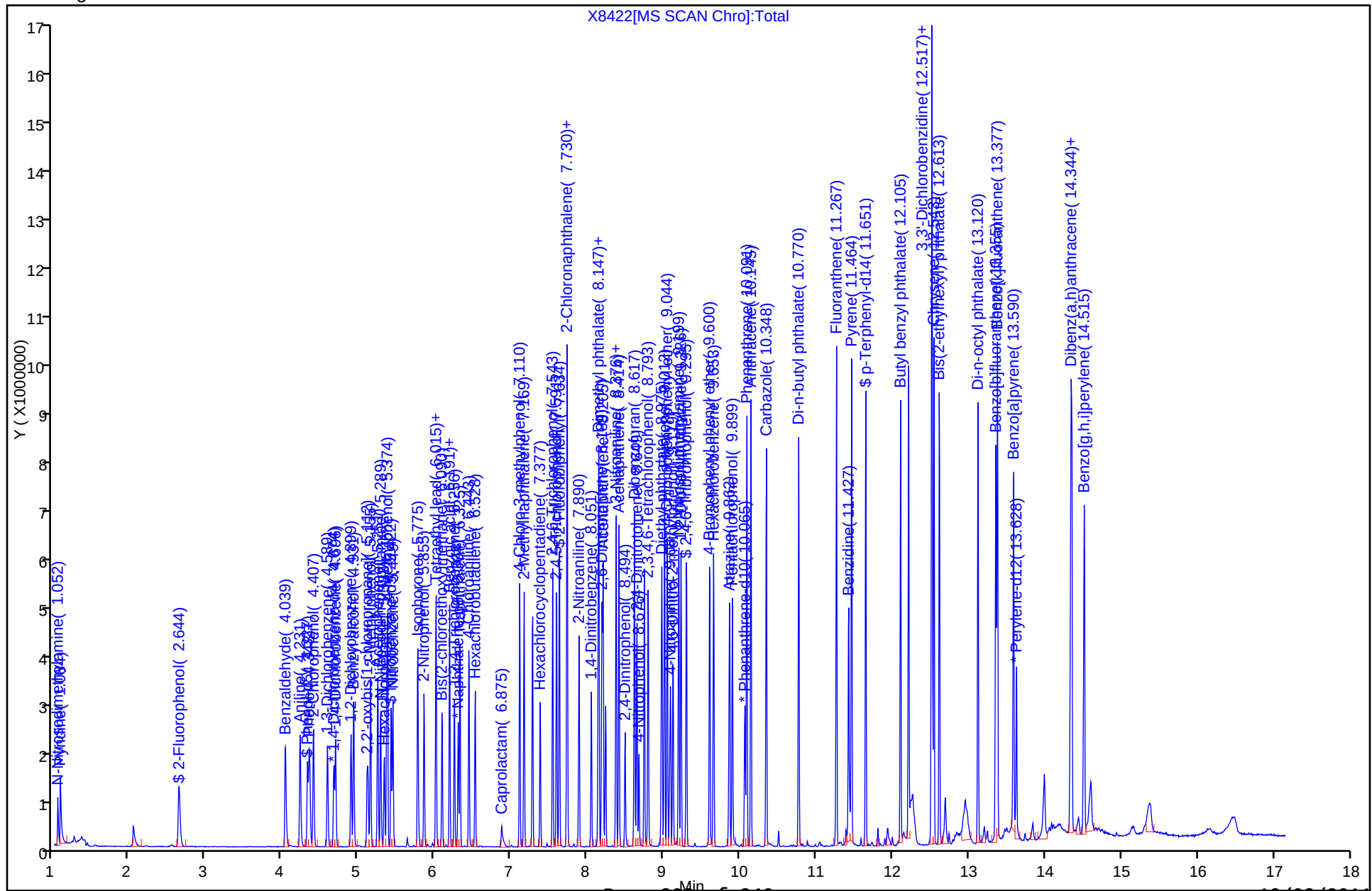
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

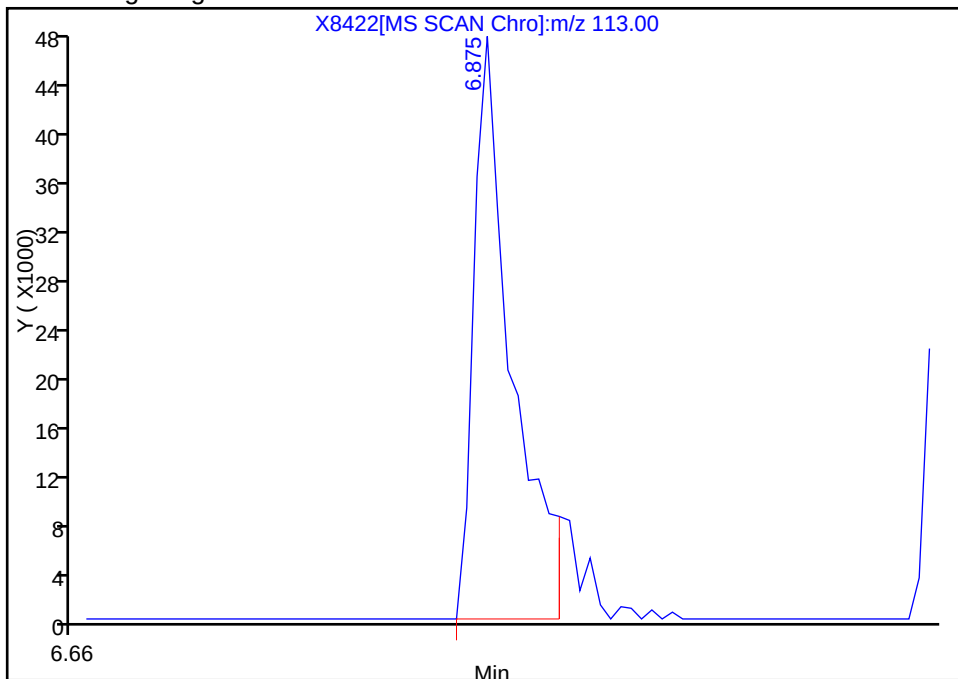


Data File:	\\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8422.D		
Injection Date:	27-Sep-2011 18:43:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	32985	Lims Sample ID:	20
Operator ID:	MKP/RJF	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

105 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 6.84

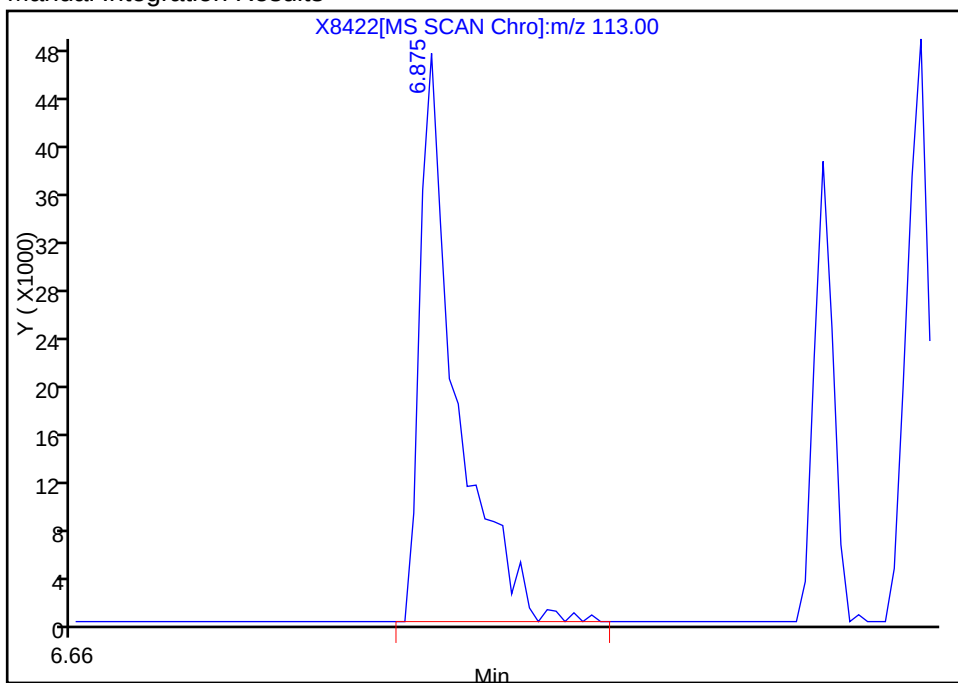
RT: 6.88
Response: 65776
Amount: 33.386499

Processing Integration Results



RT: 6.88
Response: 72108
Amount: 36.340431

Manual Integration Results



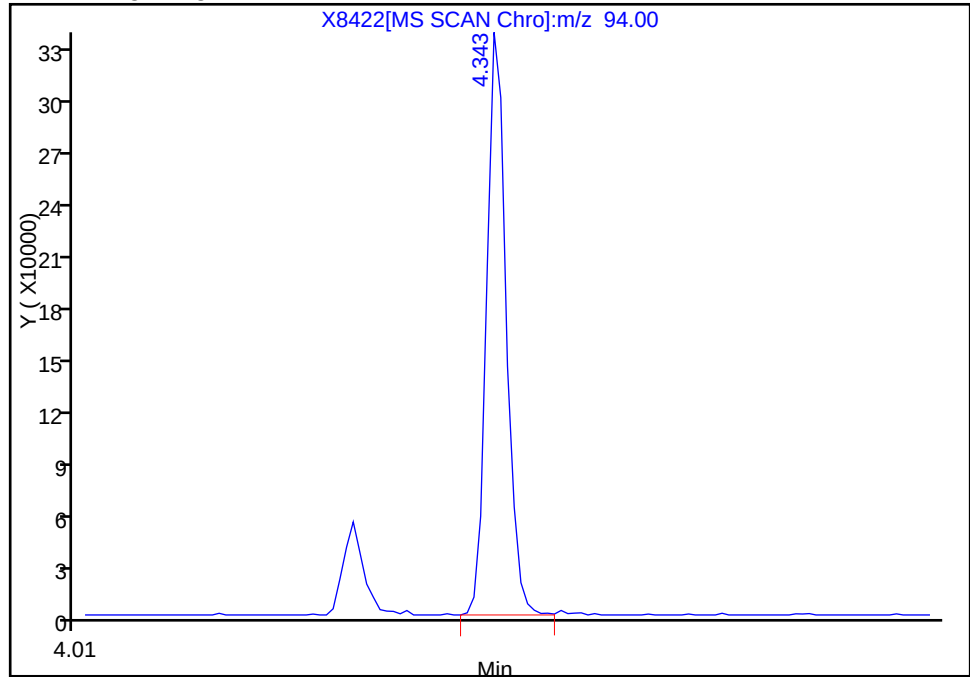
Reviewer: pagem, 29-Sep-2011 13:42:51
Audit Action: Manually Integrated
Audit Reason: Split Peak

Data File:	\\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8422.D		
Injection Date:	27-Sep-2011 18:43:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	32985	Lims Sample ID:	20
Operator ID:	MKP/RJF	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

63 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 4.34

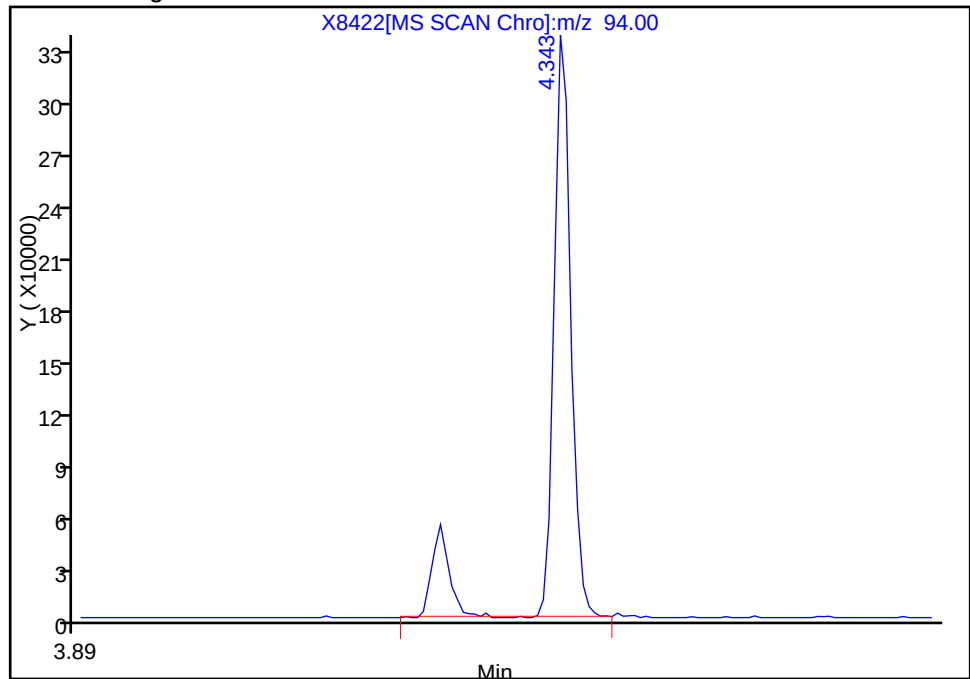
RT: 4.34
Response: 362979
Amount: 36.915687

Processing Integration Results



RT: 4.34
Response: 414829
Amount: 42.188935

Manual Integration Results



Reviewer: pagem, 29-Sep-2011 13:42:51
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 480-32537/3-A

Matrix: Water Lab File ID: X8423.D

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3510C Date Extracted: 09/23/2011 07:20

Sample wt/vol: 1000(mL) Date Analyzed: 09/27/2011 19:06

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

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 32985 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	105		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	101		5.0	0.61
120-83-2	2,4-Dichlorophenol	95.9		5.0	0.51
105-67-9	2,4-Dimethylphenol	93.9		5.0	0.50
51-28-5	2,4-Dinitrophenol	101		10	2.2
121-14-2	2,4-Dinitrotoluene	113		5.0	0.45
606-20-2	2,6-Dinitrotoluene	116		5.0	0.40
91-58-7	2-Chloronaphthalene	78.7		5.0	0.46
95-57-8	2-Chlorophenol	78.3		5.0	0.53
91-57-6	2-Methylnaphthalene	68.2		5.0	0.60
95-48-7	2-Methylphenol	75.7		5.0	0.40
88-74-4	2-Nitroaniline	122		10	0.42
88-75-5	2-Nitrophenol	86.4		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	85.2		5.0	0.40
99-09-2	3-Nitroaniline	99.0		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	107		10	2.2
101-55-3	4-Bromophenyl phenyl ether	100		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	102		5.0	0.45
106-47-8	4-Chloroaniline	90.7		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	97.8		5.0	0.35
106-44-5	4-Methylphenol	151		10	0.36
100-01-6	4-Nitroaniline	110		10	0.25
100-02-7	4-Nitrophenol	60.2		10	1.5
83-32-9	Acenaphthene	88.4		5.0	0.41
208-96-8	Acenaphthylene	90.0		5.0	0.38
98-86-2	Acetophenone	92.2		5.0	0.54
120-12-7	Anthracene	107		5.0	0.28
1912-24-9	Atrazine	117		5.0	0.46
100-52-7	Benzaldehyde	84.3		5.0	0.27
56-55-3	Benzo(a)anthracene	102		5.0	0.36
50-32-8	Benzo(a)pyrene	101		5.0	0.47
205-99-2	Benzo(b)fluoranthene	94.2		5.0	0.34
191-24-2	Benzo(g,h,i)perylene	109		5.0	0.35
207-08-9	Benzo(k)fluoranthene	109		5.0	0.73

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 480-32537/3-A

Matrix: Water Lab File ID: X8423.D

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3510C Date Extracted: 09/23/2011 07:20

Sample wt/vol: 1000 (mL) Date Analyzed: 09/27/2011 19:06

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

Injection Volume: 1 (uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 32985 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	76.5		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	91.9		5.0	0.52
111-91-1	Bis(2-chloroethoxy)methane	90.7		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	80.5		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	114		5.0	1.8
85-68-7	Butyl benzyl phthalate	112		5.0	0.42
105-60-2	Caprolactam	33.5		5.0	2.2
86-74-8	Carbazole	111		5.0	0.30
218-01-9	Chrysene	102		5.0	0.33
53-70-3	Dibenz (a,h) anthracene	106		5.0	0.42
132-64-9	Dibenzofuran	91.1		10	0.51
84-66-2	Diethyl phthalate	109		5.0	0.22
131-11-3	Dimethyl phthalate	105		5.0	0.36
84-74-2	Di-n-butyl phthalate	113		5.0	0.31
117-84-0	Di-n-octyl phthalate	114		5.0	0.47
206-44-0	Fluoranthene	113		5.0	0.40
86-73-7	Fluorene	102		5.0	0.36
118-74-1	Hexachlorobenzene	104		5.0	0.51
87-68-3	Hexachlorobutadiene	55.9		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	59.6		5.0	0.59
67-72-1	Hexachloroethane	54.4		5.0	0.59
193-39-5	Indeno (1,2,3-cd)pyrene	102		5.0	0.47
78-59-1	Isophorone	95.3		5.0	0.43
91-20-3	Naphthalene	69.5		5.0	0.76
98-95-3	Nitrobenzene	89.6		5.0	0.29
621-64-7	N-Nitrosodi-n-propylamine	94.0		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	109		5.0	0.51
87-86-5	Pentachlorophenol	106		10	2.2
85-01-8	Phenanthrene	105		5.0	0.44
108-95-2	Phenol	43.5		5.0	0.39
129-00-0	Pyrene	102		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCSD 480-32537/3-A
Matrix: Water Lab File ID: X8423.D
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3510C Date Extracted: 09/23/2011 07:20
Sample wt/vol: 1000(mL) Date Analyzed: 09/27/2011 19:06
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 32985 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	113		52-132
321-60-8	2-Fluorobiphenyl	88		48-120
367-12-4	2-Fluorophenol	46		20-120
4165-60-0	Nitrobenzene-d5	89		46-120
1718-51-0	p-Terphenyl-d14	102		24-136
4165-62-2	Phenol-d5	36		16-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8423.D
 Lims ID: LCSD 480-32537/3-A Client ID:
 Inject. Date: 27-Sep-2011 19:06:30 Dil. Factor: 1.0000
 Sample Type: LCSD
 Sample ID: 480-0006253-021
 Misc. Info.: LCSD 480-32537/3-A
 Operator: MKP/RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 23
 Lims Batch ID: 32985 Lims Sample ID: 21
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X-8270.m
 Last Update: 29-Sep-2011 13:44:09 Calib Date: 09-Sep-2011 14:37:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20110909-5838.b\X7706.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 29-Sep-2011 13:44:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.674	4.674	0.0	96	243868	40.0	
* 2 Naphthalene-d8	136	6.304	6.298	0.006	99	941257	40.0	
* 3 Acenaphthene-d10	164	8.376	8.371	0.005	87	622472	40.0	
* 4 Phenanthrene-d10	188	10.065	10.059	0.006	97	1049062	40.0	
* 5 Chrysene-d12	240	12.522	12.517	0.005	97	1110813	40.0	
* 6 Perylene-d12	264	13.628	13.623	0.006	99	1024196	40.0	
\$ 7 2-Fluorophenol	112	2.644	2.639	0.005	90	523028	69.5	
\$ 8 Phenol-d5	99	4.327	4.322	0.005	99	481673	53.4	
\$ 9 Nitrobenzene-d5	82	5.422	5.422	0.0	94	787158	89.1	
\$ 10 2-Fluorobiphenyl	172	7.634	7.629	0.005	93	1717276	87.9	
\$ 11 2,4,6-Tribromophenol	330	9.301	9.290	0.011	46	623293	170.0	
\$ 12 p-Terphenyl-d14	244	11.651	11.646	0.005	97	2517917	102.0	
54 1,4-Dioxane	88	0.871	0.876	-0.005	96	140289	51.0	
55 N-Nitrosodimethylamine	42	1.052	1.052	0.0	72	322691	60.7	
56 Pyridine	52	1.084	1.084	0.0	80	340650	60.8	
62 Benzaldehyde	77	4.039	4.038	0.001	86	502934	84.3	
64 Aniline	93	4.231	4.231	0.0	94	857073	74.7	
63 Phenol	94	4.343	4.343	0.0	88	437806	43.5	M
66 Bis(2-chloroethyl)ether	93	4.354	4.359	-0.005	79	592114	80.5	
67 2-Chlorophenol	128	4.407	4.407	0.0	93	650344	78.3	
69 1,3-Dichlorobenzene	146	4.589	4.589	0.0	93	523369	54.5	
70 1,4-Dichlorobenzene	146	4.696	4.696	0.0	78	535310	54.7	
72 1,2-Dichlorobenzene	146	4.899	4.899	0.0	91	527790	56.4	
71 Benzyl alcohol	108	4.931	4.931	0.0	80	395438	76.2	
74 2,2'-oxybis[1-chloropropane]	45	5.112	5.112	0.0	88	800414	91.9	
73 2-Methylphenol	108	5.155	5.144	0.011	93	530724	75.7	
76 Acetophenone	105	5.251	5.240	0.011	94	992594	92.2	
78 N-Nitrosodi-n-propylamine	70	5.289	5.283	0.006	89	516204	94.0	
81 Hexachloroethane	117	5.337	5.331	0.006	84	200359	54.4	
79 4-Methylphenol	108	5.374	5.363	0.011	85	1081764	151.0	
83 Nitrobenzene	77	5.449	5.444	0.005	93	786156	89.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
86 Isophorone	82	5.775	5.769	0.006	94	1453231	95.3	
87 2-Nitrophenol	139	5.855	5.855	0.0	88	400967	86.4	
90 Tetraethyl lead	237	6.010	6.010	0.0	37	94365	19.9	
89 2,4-Dimethylphenol	107	6.015	6.010	0.005	98	835428	93.9	
94 Bis(2-chloroethoxy)methane	93	6.090	6.090	0.0	96	771084	90.7	
97 2,4-Dichlorophenol	162	6.191	6.186	0.005	96	728929	95.9	
98 1,2,4-Trichlorobenzene	180	6.256	6.256	0.0	91	481153	56.6	
95 Benzoic acid	105	6.154	6.277	-0.123	85	26895	4.09	
99 Naphthalene	128	6.330	6.325	0.005	96	1617360	69.5	
101 4-Chloroaniline	127	6.443	6.443	0.0	82	892818	90.7	
104 Hexachlorobutadiene	225	6.528	6.528	0.0	93	321474	55.9	
105 Caprolactam	113	6.870	6.838	0.032	67	68152	33.5	M
110 4-Chloro-3-methylphenol	107	7.110	7.105	0.005	92	790363	102.3	
113 2-Methylnaphthalene	142	7.169	7.169	0.0	85	1116605	68.2	
116 Hexachlorocyclopentadiene	237	7.377	7.377	0.0	89	375324	59.6	
118 2,4,6-Trichlorophenol	196	7.543	7.543	0.0	93	621770	100.9	
119 2,4,5-Trichlorophenol	196	7.596	7.586	0.010	93	684397	105.0	
123 1,1'-Biphenyl	154	7.735	7.730	0.005	95	1672775	76.5	
124 2-Chloronaphthalene	162	7.730	7.730	0.0	96	1317813	78.7	
125 2-Nitroaniline	65	7.890	7.885	0.005	77	588888	121.7	
127 1,4-Dinitrobenzene	168	8.051	8.045	0.006	93	331965	105.4	
129 1,3-Dinitrobenzene	168	8.141	8.136	0.005	69	364792	94.7	
128 Dimethyl phthalate	163	8.147	8.136	0.011	92	2141295	105.0	
130 2,6-Dinitrotoluene	165	8.189	8.184	0.005	82	505718	116.3	
131 Acenaphthylene	152	8.205	8.200	0.005	92	2238031	90.0	
132 3-Nitroaniline	138	8.376	8.371	0.005	87	457310	99.0	
133 Acenaphthene	153	8.414	8.408	0.006	86	1349234	88.4	
134 2,4-Dinitrophenol	184	8.494	8.489	0.005	84	231150	101.2	
138 Dibenzofuran	168	8.617	8.611	0.006	89	2251890	91.1	
137 2,4-Dinitrotoluene	165	8.649	8.644	0.005	69	706508	112.6	
135 4-Nitrophenol	109	8.676	8.665	0.011	25	229272	60.2	
140 2,3,4,6-Tetrachlorophenol	232	8.793	8.793	0.0	77	556703	118.3	
142 Diethyl phthalate	149	8.975	8.969	0.006	96	2173149	109.3	
144 Fluorene	166	9.012	9.007	0.005	79	1989691	101.5	
145 4-Chlorophenyl phenyl ether	204	9.044	9.044	0.0	93	1020522	97.8	
147 4-Nitroaniline	138	9.087	9.076	0.011	60	498996	110.3	
148 4,6-Dinitro-2-methylphenol	198	9.124	9.114	0.010	57	495194	106.6	
149 N-Nitrosodiphenylamine	169	9.199	9.188	0.011	61	1521746	109.0	
152 1,2-Diphenylhydrazine	77	9.226	9.221	0.006	93	2022278	112.1	
159 4-Bromophenyl phenyl ether	248	9.605	9.600	0.005	60	634047	100.2	
160 Hexachlorobenzene	284	9.653	9.648	0.005	87	723444	103.7	
163 Atrazine	200	9.867	9.856	0.011	94	687836	117.1	
165 Pentachlorophenol	266	9.899	9.894	0.005	85	473270	105.5	
171 Phenanthrene	178	10.091	10.086	0.005	97	2962130	104.8	
172 Anthracene	178	10.145	10.139	0.006	98	3052189	107.3	
173 Carbazole	167	10.348	10.342	0.006	83	2882638	110.5	
176 Di-n-butyl phthalate	149	10.775	10.770	0.005	100	3615113	112.5	
182 Fluoranthene	202	11.267	11.261	0.006	95	3630009	113.1	
183 Benzidine	184	11.427	11.422	0.005	98	1254179	80.7	
185 Pyrene	202	11.464	11.459	0.005	97	3437793	101.9	
192 Butyl benzyl phthalate	149	12.105	12.105	0.0	98	1648948	111.9	
197 Benzo[a]anthracene	228	12.517	12.511	0.006	98	3227327	102.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
196 3,3'-Dichlorobenzidine	252	12.522	12.517	0.005	71	1087011	85.2	
199 Chrysene	228	12.543	12.538	0.005	87	3089649	102.4	
198 Bis(2-ethylhexyl) phthalate	149	12.613	12.613	0.0	96	2250524	113.9	
201 Di-n-octyl phthalate	149	13.120	13.115	0.005	100	3647381	114.3	
203 Benzo[b]fluoranthene	252	13.355	13.350	0.005	92	2931255	94.2	
204 Benzo[k]fluoranthene	252	13.377	13.371	0.006	98	3243700	109.0	
206 Benzo[a]pyrene	252	13.590	13.580	0.010	74	2532919	101.1	
208 Indeno[1,2,3-cd]pyrene	276	14.338	14.333	0.005	97	3395614	101.6	
209 Dibenz(a,h)anthracene	278	14.354	14.344	0.010	69	3012295	105.7	
210 Benzo[g,h,i]perylene	276	14.515	14.504	0.011	95	2977060	108.7	
S 214 3-Methylphenol	1				0		151.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 29-Sep-2011 13:44:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8423.D

Injection Date: 27-Sep-2011 19:06:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 32985

Lims Sample ID: 21

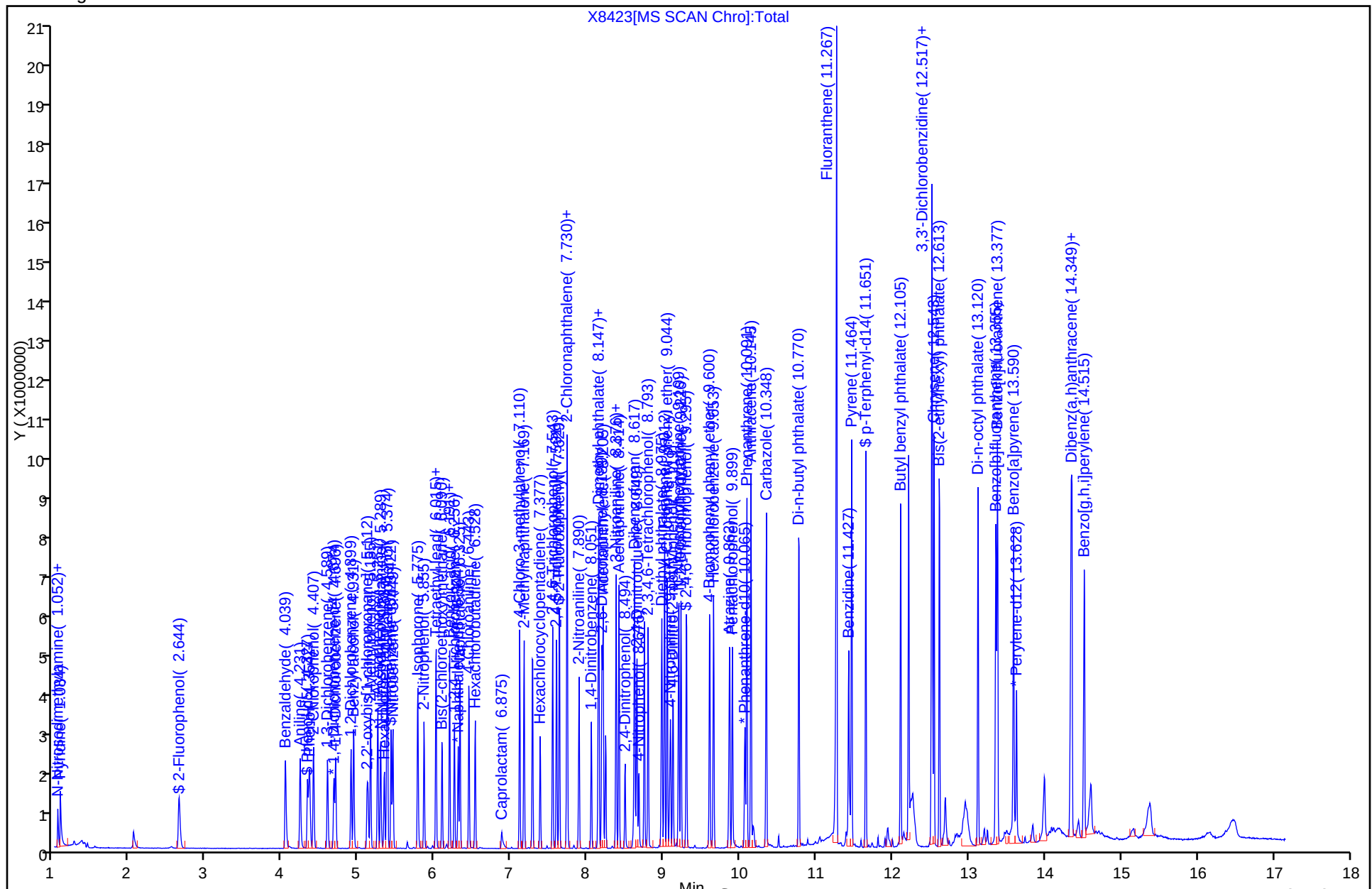
Operator ID: MKP/RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

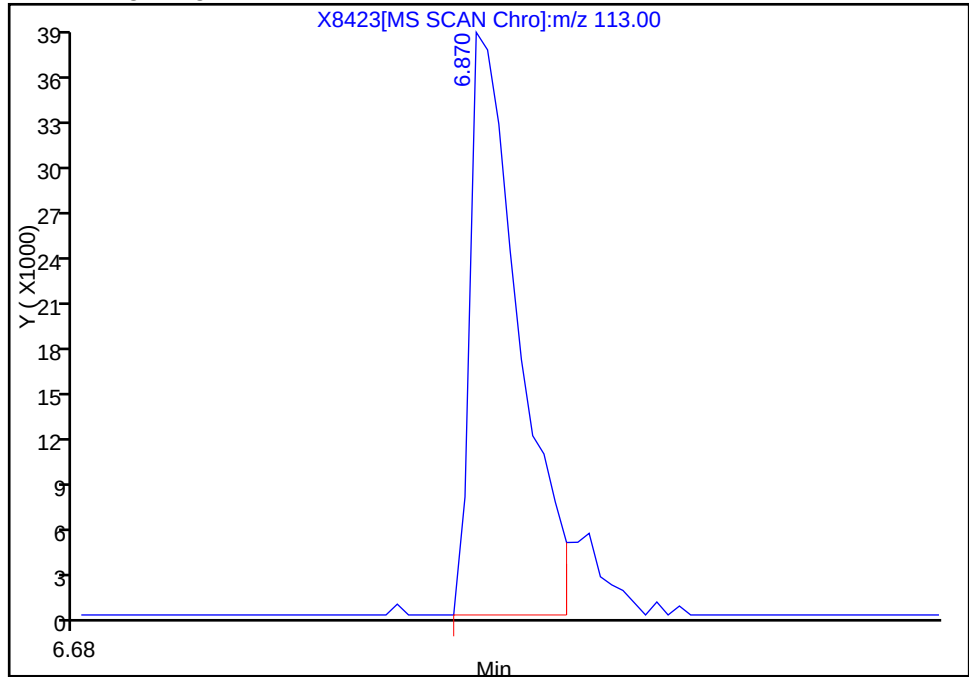


Data File:	\\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8423.D		
Injection Date:	27-Sep-2011 19:06:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	32985	Lims Sample ID:	21
Operator ID:	MKP/RJF	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

105 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 6.84

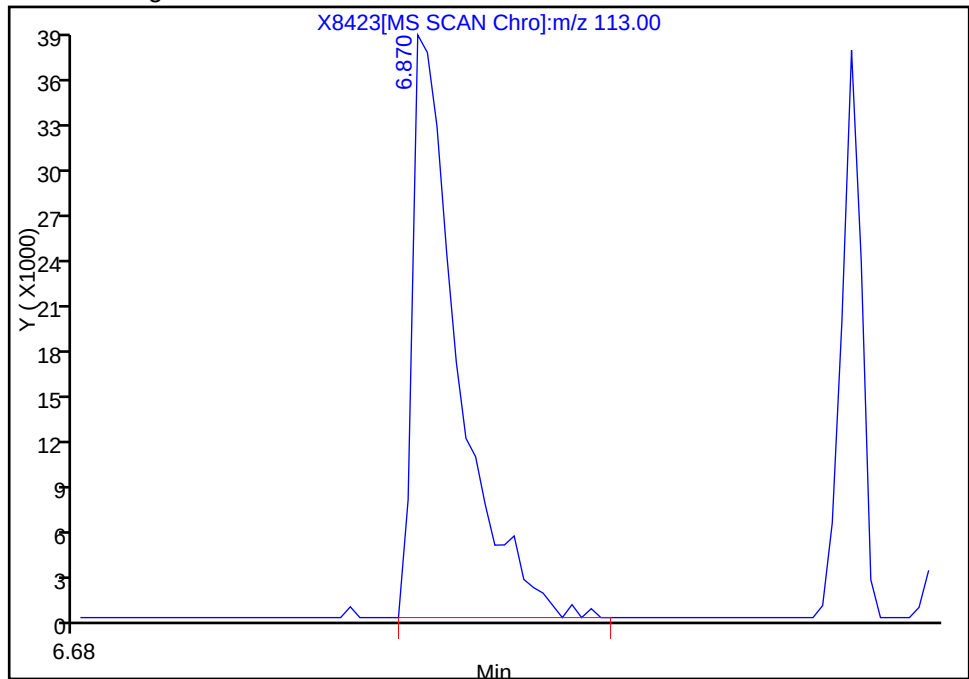
RT: 6.87
Response: 62140
Amount: 30.800273

Processing Integration Results



RT: 6.87
Response: 68152
Amount: 33.518815

Manual Integration Results



Reviewer: pagem, 29-Sep-2011 13:44:09

Audit Action: Manually Integrated

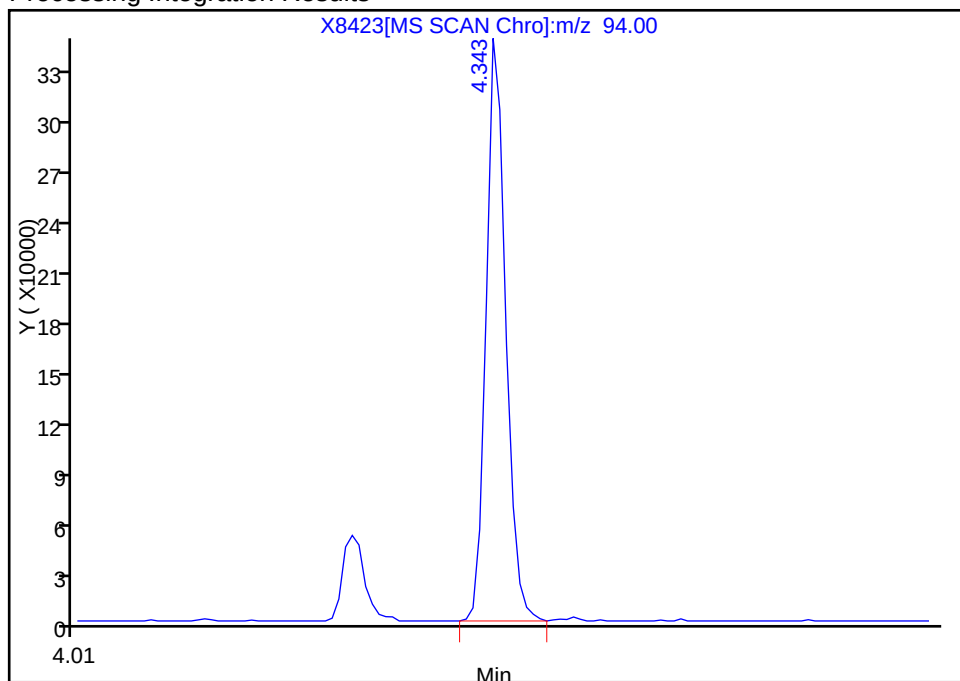
Audit Reason: Split Peak

Data File:	\\Bufchrom\ChromData\HP5973X\20110927-6253.b\X8423.D		
Injection Date:	27-Sep-2011 19:06:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	32985	Lims Sample ID:	21
Operator ID:	MKP/RJF	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

63 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 4.34

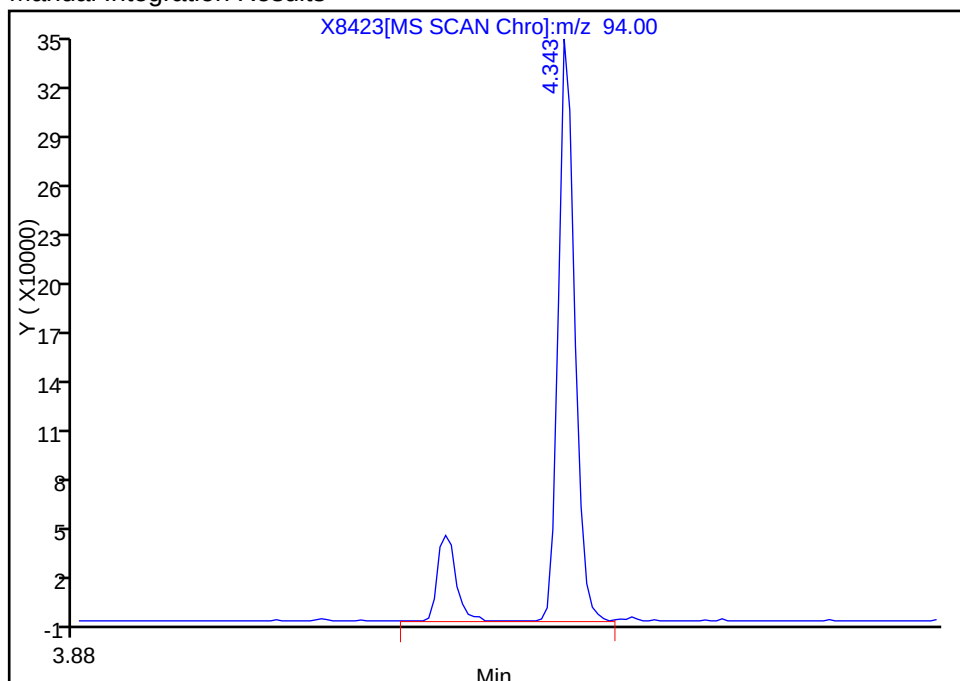
RT: 4.34
Response: 370734
Amount: 36.861917

Processing Integration Results



RT: 4.34
Response: 437806
Amount: 43.530856

Manual Integration Results



Reviewer: pagem, 29-Sep-2011 13:44:09

Audit Action: Manually Integrated

Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-10088-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-B3 (5-9) MS</u>	Lab Sample ID: <u>480-10088-1 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>U4529.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/19/2011 12:50</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/22/2011 15:36</u>
Sample wt/vol: <u>+30.42(g)</u>	Date Analyzed: <u>09/26/2011 15:00</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>16.4</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>32845</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	3780		400	87
88-06-2	2,4,6-Trichlorophenol	3730		400	26
120-83-2	2,4-Dichlorophenol	3440		400	21
105-67-9	2,4-Dimethylphenol	3210		400	110
51-28-5	2,4-Dinitrophenol	2350		780	140
121-14-2	2,4-Dinitrotoluene	3970		400	62
606-20-2	2,6-Dinitrotoluene	4280		400	97
91-58-7	2-Chloronaphthalene	3650		400	27
95-57-8	2-Chlorophenol	3180		400	20
91-57-6	2-Methylnaphthalene	3280		400	4.8
95-48-7	2-Methylphenol	3510		400	12
88-74-4	2-Nitroaniline	4230		780	130
88-75-5	2-Nitrophenol	3300		400	18
91-94-1	3,3'-Dichlorobenzidine	2940		400	350
99-09-2	3-Nitroaniline	3950		780	92
534-52-1	4,6-Dinitro-2-methylphenol	3360		780	140
101-55-3	4-Bromophenyl phenyl ether	3900		400	130
59-50-7	4-Chloro-3-methylphenol	3440		400	16
106-47-8	4-Chloroaniline	3110		400	120
7005-72-3	4-Chlorophenyl phenyl ether	3620		400	8.5
106-44-5	4-Methylphenol	7190		780	22
100-01-6	4-Nitroaniline	3800		780	44
100-02-7	4-Nitrophenol	3590		780	96
83-32-9	Acenaphthene	4010		400	4.7
208-96-8	Acenaphthylene	3980		400	3.3
98-86-2	Acetophenone	3300		400	20
120-12-7	Anthracene	4820		400	10
1912-24-9	Atrazine	4050		400	18
100-52-7	Benzaldehyde	3210		400	44
56-55-3	Benzo(a)anthracene	9540		400	6.9
50-32-8	Benzo(a)pyrene	9680		400	9.6
205-99-2	Benzo(b)fluoranthene	12100		400	7.7
191-24-2	Benzo(g,h,i)perylene	8770		400	4.8
207-08-9	Benzo(k)fluoranthene	7400		400	4.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-10088-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-B3 (5-9) MS</u>	Lab Sample ID: <u>480-10088-1 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>U4529.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/19/2011 12:50</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/22/2011 15:36</u>
Sample wt/vol: <u>+30.42(g)</u>	Date Analyzed: <u>09/26/2011 15:00</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>16.4</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>32845</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	3510		400	25
108-60-1	bis (2-chloroisopropyl) ether	3190		400	42
111-91-1	Bis(2-chloroethoxy)methane	3440		400	22
111-44-4	Bis(2-chloroethyl)ether	3290		400	34
117-81-7	Bis(2-ethylhexyl) phthalate	3680		400	130
85-68-7	Butyl benzyl phthalate	3470		400	110
105-60-2	Caprolactam	5210		400	170
86-74-8	Carbazole	4460		400	4.6
218-01-9	Chrysene	10600		400	4.0
53-70-3	Dibenz (a,h) anthracene	5200		400	4.7
132-64-9	Dibenzofuran	3680		400	4.1
84-66-2	Diethyl phthalate	3750		400	12
131-11-3	Dimethyl phthalate	3870		400	10
84-74-2	Di-n-butyl phthalate	4270		400	140
117-84-0	Di-n-octyl phthalate	4180		400	9.3
206-44-0	Fluoranthene	14200		400	5.8
86-73-7	Fluorene	3840		400	9.2
118-74-1	Hexachlorobenzene	4010		400	20
87-68-3	Hexachlorobutadiene	2940		400	20
77-47-4	Hexachlorocyclopentadiene	1050		400	120
67-72-1	Hexachloroethane	2850		400	31
193-39-5	Indeno (1,2,3-cd)pyrene	7550		400	11
78-59-1	Isophorone	3430		400	20
91-20-3	Naphthalene	3430		400	6.6
98-95-3	Nitrobenzene	3180		400	18
621-64-7	N-Nitrosodi-n-propylamine	3460		400	32
86-30-6	N-Nitrosodiphenylamine	4720		400	22
87-86-5	Pentachlorophenol	2190		780	140
85-01-8	Phenanthrene	6940		400	8.4
108-95-2	Phenol	3290		400	42
129-00-0	Pyrene	12000		400	2.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: SB-B3 (5-9) MS Lab Sample ID: 480-10088-1 MS
Matrix: Solid Lab File ID: U4529.D
Analysis Method: 8270C Date Collected: 09/19/2011 12:50
Extract. Method: 3550B Date Extracted: 09/22/2011 15:36
Sample wt/vol: +30.42(g) Date Analyzed: 09/26/2011 15:00
Con. Extract Vol.: 1(mL) Dilution Factor: 2
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 16.4 GPC Cleanup: (Y/N) N
Analysis Batch No.: 32845 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	104		39-146
321-60-8	2-Fluorobiphenyl	90		37-120
367-12-4	2-Fluorophenol	76		18-120
4165-60-0	Nitrobenzene-d5	82		34-132
1718-51-0	p-Terphenyl-d14	95		58-147
4165-62-2	Phenol-d5	86		11-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4529.D

Lims ID: 480-10088-E-1-A MS

Client ID:

Inject. Date: 26-Sep-2011 15:00:30

Dil. Factor: 2.0000

Sample Type: MS

Sample ID: 480-0006230-004

Misc. Info.: 480-10088-E-1-A MS

Operator: RMM

Instrument ID: HP5973U

Vol. Injected: 1.0000

ALS Bottle#: 5

Lims Batch ID: 32845

Lims Sample ID: 4

Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U-8270.m

Last Update: 26-Sep-2011 15:53:42

Calib Date: 14-Sep-2011 21:40:30

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D

Limit Group: MB - 8270C ICAL

Integrator: RTE

ID Type: RT Order ID

Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 26-Sep-2011 15:54:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.768	5.774	-0.006	94	101375	40.0	
* 2 Naphthalene-d8	136	7.499	7.499	0.0	99	375107	40.0	
* 3 Acenaphthene-d10	164	9.775	9.770	0.005	93	212427	40.0	
* 4 Phenanthrene-d10	188	11.479	11.479	0.0	96	356329	40.0	
* 5 Chrysene-d12	240	13.958	13.947	0.011	87	430901	40.0	
* 6 Perylene-d12	264	15.224	15.219	0.005	96	472604	40.0	
\$ 9 2-Fluorophenol	112	3.909	3.904	0.005	95	163268	57.0	
\$ 10 Phenol-d5	99	5.314	5.319	-0.005	87	223221	64.6	
\$ 11 Nitrobenzene-d5	82	6.537	6.537	0.0	87	142511	40.8	
\$ 12 2-Fluorobiphenyl	172	8.920	8.920	0.0	92	309088	45.0	
\$ 13 2,4,6-Tribromophenol	330	10.726	10.731	-0.005	90	83129	78.0	
\$ 14 p-Terphenyl-d14	244	13.017	13.017	0.0	96	461416	47.7	
88 Benzaldehyde	77	5.143	5.143	0.0	77	88540	40.9	
89 Phenol	94	5.335	5.335	0.0	82	158933	41.8	
91 Bis(2-chloroethyl)ether	93	5.405	5.405	0.0	96	107633	41.9	
93 2-Chlorophenol	128	5.490	5.490	0.0	94	135584	40.5	
98 2-Methylphenol	108	6.174	6.174	0.0	85	124757	44.6	
99 2,2'-oxybis[1-chloropropane]	45	6.174	6.174	0.0	72	238158	40.6	
104 Acetophenone	105	6.334	6.334	0.0	90	196113	42.0	
101 N-Nitrosodi-n-propylamine	70	6.350	6.350	0.0	91	89050	44.0	
102 4-Methylphenol	108	6.393	6.393	0.0	85	262620	91.5	
106 Hexachloroethane	117	6.468	6.468	0.0	86	57863	36.3	
107 Nitrobenzene	77	6.564	6.564	0.0	92	145107	40.5	
110 Isophorone	82	6.890	6.895	-0.005	91	250971	43.6	
111 2-Nitrophenol	139	7.002	6.997	0.005	87	76439	42.0	
112 2,4-Dimethylphenol	107	7.098	7.104	-0.006	96	153346	40.9	
115 Bis(2-chloroethoxy)methane	93	7.200	7.200	0.0	94	128001	43.8	
117 2,4-Dichlorophenol	162	7.339	7.339	0.0	95	130502	43.8	
121 Naphthalene	128	7.526	7.526	0.0	84	415490	43.7	
123 4-Chloroaniline	127	7.616	7.616	0.0	83	152687	39.6	
126 Hexachlorobutadiene	225	7.718	7.718	0.0	93	102743	37.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113	8.044	8.033	0.011	55	46352	66.3	
131 4-Chloro-3-methylphenol	107	8.295	8.290	0.005	93	136926	43.8	
133 2-Methylnaphthalene	142	8.439	8.439	0.0	89	288044	41.7	
136 Hexachlorocyclopentadiene	237	8.664	8.663	0.001	82	29375	13.4	
139 2,4,6-Trichlorophenol	196	8.824	8.824	0.0	93	94795	47.5	
140 2,4,5-Trichlorophenol	196	8.877	8.877	0.0	95	102040	48.1	
144 1,1'-Biphenyl	154	9.043	9.043	0.0	94	363476	44.7	
143 2-Chloronaphthalene	162	9.059	9.059	0.0	96	270363	46.4	
145 2-Nitroaniline	65	9.203	9.208	-0.005	73	95132	53.8	
147 Dimethyl phthalate	163	9.449	9.449	0.0	97	355767	49.3	
148 2,6-Dinitrotoluene	165	9.513	9.518	-0.005	67	80018	54.4	
149 Acenaphthylene	152	9.588	9.588	0.0	96	445343	50.7	
150 3-Nitroaniline	138	9.732	9.732	0.0	85	79113	50.3	
151 Acenaphthene	153	9.812	9.812	0.0	88	290849	51.0	
152 2,4-Dinitrophenol	184	9.866	9.866	0.0	71	20497	29.9	
153 4-Nitrophenol	109	9.994	9.999	-0.005	86	85576	45.7	
155 Dibenzofuran	168	10.031	10.031	0.0	87	423025	46.8	
154 2,4-Dinitrotoluene	165	10.026	10.031	-0.005	63	113929	50.5	
160 Diethyl phthalate	149	10.330	10.330	0.0	96	353794	47.7	
161 Fluorene	166	10.443	10.442	0.0	92	361901	48.9	
162 4-Chlorophenyl phenyl ether	204	10.448	10.448	0.0	86	182283	46.1	
164 4-Nitroaniline	138	10.480	10.485	-0.005	62	77253	48.4	
166 4,6-Dinitro-2-methylphenol	198	10.523	10.528	-0.005	67	57192	42.8	
167 N-Nitrosodiphenylamine	169	10.587	10.592	-0.005	96	266284	60.1	
176 4-Bromophenyl phenyl ether	248	11.003	11.003	0.0	92	105364	49.6	
177 Hexachlorobenzene	284	11.089	11.089	0.0	92	116489	51.0	
180 Atrazine	200	11.196	11.196	0.0	92	110581	51.5	
181 Pentachlorophenol	266	11.303	11.303	0.0	81	34890	27.8	
185 Phenanthrene	178	11.506	11.506	0.0	96	880076	88.3	
188 Anthracene	178	11.559	11.559	0.0	96	608653	61.3	
189 Carbazole	167	11.730	11.730	0.0	87	478506	56.7	
192 Di-n-butyl phthalate	149	12.077	12.077	0.0	99	570584	54.3	
197 Fluoranthene	202	12.681	12.676	0.005	95	2021445	180.9	E
199 Pyrene	202	12.889	12.884	0.005	98	1935585	152.2	
205 Butyl benzyl phthalate	149	13.440	13.439	0.001	98	255799	44.1	
208 3,3'-Dichlorobenzidine	252	13.910	13.910	0.0	96	190599	37.4	
210 Bis(2-ethylhexyl) phthalate	149	13.926	13.926	0.0	93	354326	46.8	
209 Benzo[a]anthracene	228	13.947	13.942	0.005	95	1545252	121.4	
211 Chrysene	228	13.979	13.979	0.0	91	1595023	135.2	
212 Di-n-octyl phthalate	149	14.455	14.449	0.006	99	592789	53.2	
213 Benzo[b]fluoranthene	252	14.877	14.866	0.011	93	2223948	154.0	
214 Benzo[k]fluoranthene	252	14.898	14.898	0.005	1	1385821	94.1	
217 Benzo[a]pyrene	252	15.176	15.176	0.006	99	1478396	123.2	
219 Indeno[1,2,3-cd]pyrene	276	16.346	16.335	0.011	93	1505859	96.1	
220 Dibenz(a,h)anthracene	278	16.346	16.335	0.011	61	901006	66.2	
221 Benzo[g,h,i]perylene	276	16.672	16.655	0.017	90	1283182	111.6	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Report Date: 26-Sep-2011 15:55:00

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4529.D

Injection Date: 26-Sep-2011 15:00:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 4

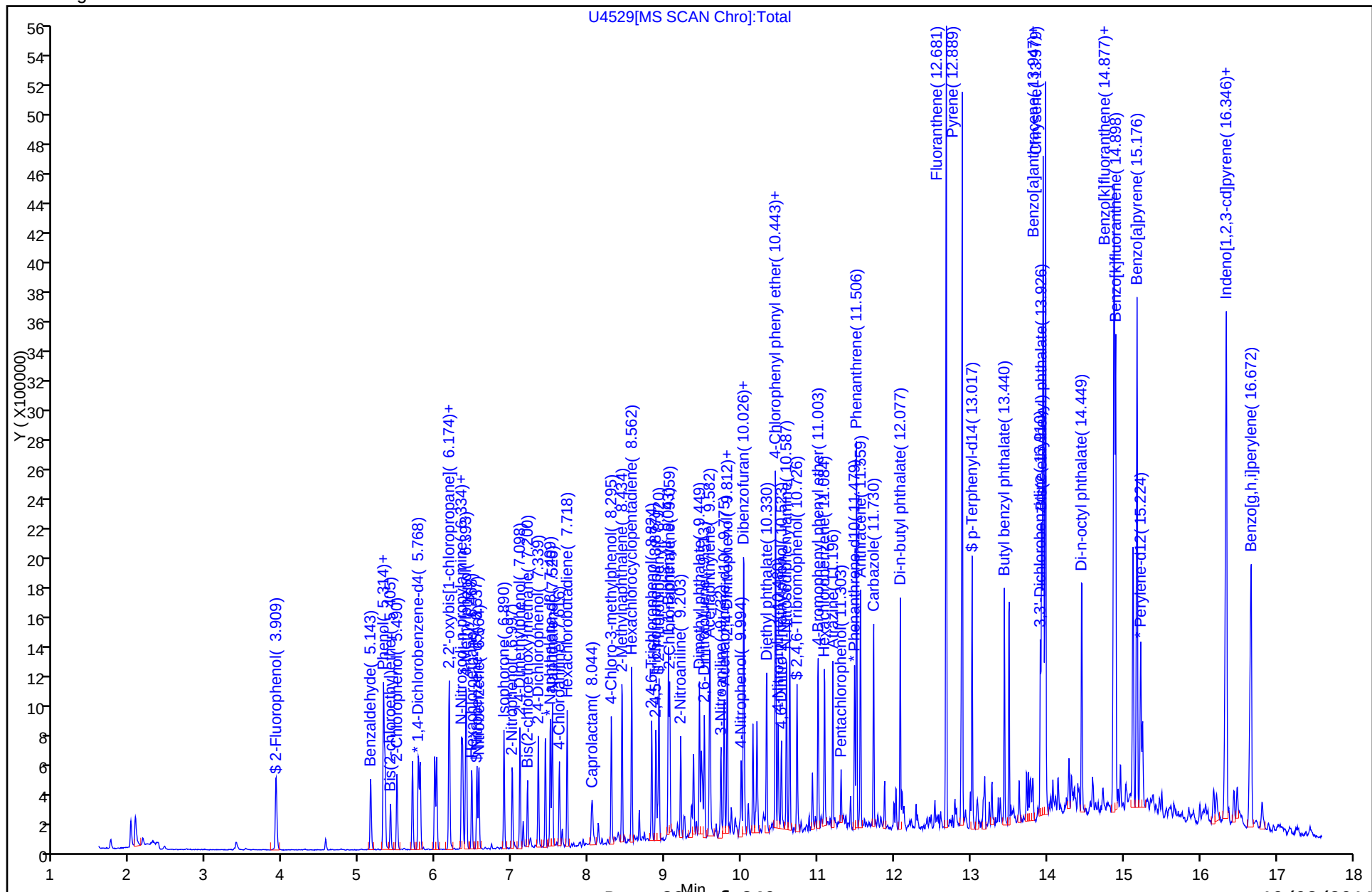
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-10088-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-B3 (5-9) MSD</u>	Lab Sample ID: <u>480-10088-1 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>U4530.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/19/2011 12:50</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/22/2011 15:36</u>
Sample wt/vol: <u>+30.52(g)</u>	Date Analyzed: <u>09/26/2011 15:24</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>16.4</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>32845</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	3880		400	87
88-06-2	2,4,6-Trichlorophenol	3890		400	26
120-83-2	2,4-Dichlorophenol	3920		400	21
105-67-9	2,4-Dimethylphenol	3490		400	110
51-28-5	2,4-Dinitrophenol	2330		780	140
121-14-2	2,4-Dinitrotoluene	3970		400	61
606-20-2	2,6-Dinitrotoluene	4250		400	97
91-58-7	2-Chloronaphthalene	3820		400	27
95-57-8	2-Chlorophenol	3470		400	20
91-57-6	2-Methylnaphthalene	3510		400	4.8
95-48-7	2-Methylphenol	3700		400	12
88-74-4	2-Nitroaniline	4380		780	130
88-75-5	2-Nitrophenol	3560		400	18
91-94-1	3,3'-Dichlorobenzidine	2960		400	350
99-09-2	3-Nitroaniline	4070		780	91
534-52-1	4,6-Dinitro-2-methylphenol	3410		780	140
101-55-3	4-Bromophenyl phenyl ether	4010		400	130
59-50-7	4-Chloro-3-methylphenol	3680		400	16
106-47-8	4-Chloroaniline	3180		400	120
7005-72-3	4-Chlorophenyl phenyl ether	3520		400	8.5
106-44-5	4-Methylphenol	7830		780	22
100-01-6	4-Nitroaniline	3960		780	44
100-02-7	4-Nitrophenol	3530		780	96
83-32-9	Acenaphthene	4150		400	4.7
208-96-8	Acenaphthylene	4190		400	3.2
98-86-2	Acetophenone	3740		400	20
120-12-7	Anthracene	4680		400	10
1912-24-9	Atrazine	4140		400	18
100-52-7	Benzaldehyde	3420		400	44
56-55-3	Benzo(a)anthracene	9070		400	6.8
50-32-8	Benzo(a)pyrene	9220		400	9.6
205-99-2	Benzo(b)fluoranthene	11500		400	7.7
191-24-2	Benzo(g,h,i)perylene	8130		400	4.8
207-08-9	Benzo(k)fluoranthene	7220		400	4.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-10088-1</u>
SDG No.: _____	
Client Sample ID: <u>SB-B3 (5-9) MSD</u>	Lab Sample ID: <u>480-10088-1 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>U4530.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/19/2011 12:50</u>
Extract. Method: <u>3550B</u>	Date Extracted: <u>09/22/2011 15:36</u>
Sample wt/vol: <u>+30.52(g)</u>	Date Analyzed: <u>09/26/2011 15:24</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>16.4</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>32845</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	3710		400	25
108-60-1	bis (2-chloroisopropyl) ether	3610		400	41
111-91-1	Bis(2-chloroethoxy)methane	3820		400	22
111-44-4	Bis(2-chloroethyl)ether	3500		400	34
117-81-7	Bis(2-ethylhexyl) phthalate	3820		400	130
85-68-7	Butyl benzyl phthalate	3810		400	110
105-60-2	Caprolactam	5450		400	170
86-74-8	Carbazole	4500		400	4.6
218-01-9	Chrysene	10300		400	4.0
53-70-3	Dibenz (a,h) anthracene	5160		400	4.7
132-64-9	Dibenzofuran	3730		400	4.1
84-66-2	Diethyl phthalate	3850		400	12
131-11-3	Dimethyl phthalate	4040		400	10
84-74-2	Di-n-butyl phthalate	4250		400	140
117-84-0	Di-n-octyl phthalate	4340		400	9.3
206-44-0	Fluoranthene	12000		400	5.7
86-73-7	Fluorene	3900		400	9.1
118-74-1	Hexachlorobenzene	4050		400	20
87-68-3	Hexachlorobutadiene	3290		400	20
77-47-4	Hexachlorocyclopentadiene	1850		400	120
67-72-1	Hexachloroethane	3260		400	31
193-39-5	Indeno (1,2,3-cd)pyrene	7220		400	11
78-59-1	Isophorone	3720		400	20
91-20-3	Naphthalene	3810		400	6.6
98-95-3	Nitrobenzene	3400		400	18
621-64-7	N-Nitrosodi-n-propylamine	3850		400	31
86-30-6	N-Nitrosodiphenylamine	4750		400	22
87-86-5	Pentachlorophenol	2370		780	140
85-01-8	Phenanthrene	6420		400	8.3
108-95-2	Phenol	3610		400	42
129-00-0	Pyrene	11300		400	2.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1
SDG No.: _____
Client Sample ID: SB-B3 (5-9) MSD Lab Sample ID: 480-10088-1 MSD
Matrix: Solid Lab File ID: U4530.D
Analysis Method: 8270C Date Collected: 09/19/2011 12:50
Extract. Method: 3550B Date Extracted: 09/22/2011 15:36
Sample wt/vol: +30.52(g) Date Analyzed: 09/26/2011 15:24
Con. Extract Vol.: 1(mL) Dilution Factor: 2
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 16.4 GPC Cleanup: (Y/N) N
Analysis Batch No.: 32845 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	113		39-146
321-60-8	2-Fluorobiphenyl	95		37-120
367-12-4	2-Fluorophenol	84		18-120
4165-60-0	Nitrobenzene-d5	91		34-132
1718-51-0	p-Terphenyl-d14	100		58-147
4165-62-2	Phenol-d5	93		11-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4530.D
 Lims ID: 480-10088-E-1-B MSD Client ID:
 Inject. Date: 26-Sep-2011 15:24:30 Dil. Factor: 2.0000
 Sample Type: MSD
 Sample ID: 480-0006230-005
 Misc. Info.: 480-10088-E-1-B MSD
 Operator: RMM Instrument ID: HP5973U
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 32845 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U-8270.m
 Last Update: 26-Sep-2011 15:53:42 Calib Date: 14-Sep-2011 21:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973U\20110914-5961.b\U4156.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: mckernar

Date: 26-Sep-2011 15:56:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.773	5.774	-0.001	94	105761	40.0	
* 2 Naphthalene-d8	136	7.499	7.499	0.0	98	399770	40.0	
* 3 Acenaphthene-d10	164	9.775	9.770	0.005	83	237126	40.0	
* 4 Phenanthrene-d10	188	11.479	11.479	0.0	97	386706	40.0	
* 5 Chrysene-d12	240	13.958	13.947	0.011	88	420317	40.0	
* 6 Perylene-d12	264	15.224	15.219	0.005	96	469559	40.0	
\$ 9 2-Fluorophenol	112	3.909	3.904	0.005	96	189254	63.3	
\$ 10 Phenol-d5	99	5.314	5.319	-0.005	89	252040	69.9	
\$ 11 Nitrobenzene-d5	82	6.537	6.537	0.0	87	170184	45.7	
\$ 12 2-Fluorobiphenyl	172	8.920	8.920	0.0	93	364548	47.6	
\$ 13 2,4,6-Tribromophenol	330	10.726	10.731	-0.005	92	98191	84.9	
\$ 14 p-Terphenyl-d14	244	13.018	13.017	0.001	95	471306	49.9	
88 Benzaldehyde	77	5.143	5.143	0.0	74	98473	43.6	
89 Phenol	94	5.335	5.335	0.0	82	182802	46.1	
91 Bis(2-chloroethyl)ether	93	5.405	5.405	0.0	89	119809	44.7	
93 2-Chlorophenol	128	5.490	5.490	0.0	91	154697	44.3	
98 2-Methylphenol	108	6.174	6.174	0.0	82	137815	47.2	
99 2,2'-oxybis[1-chloropropane]	45	6.169	6.174	-0.005	78	282270	46.1	
104 Acetophenone	105	6.334	6.334	0.0	89	232721	47.8	
101 N-Nitrosodi-n-propylamine	70	6.350	6.350	0.0	93	103835	49.2	
102 4-Methylphenol	108	6.399	6.393	0.005	82	299376	100.0	
106 Hexachloroethane	117	6.468	6.468	0.0	85	69315	41.6	
107 Nitrobenzene	77	6.564	6.564	0.0	86	165676	43.4	
110 Isophorone	82	6.890	6.895	-0.005	91	291535	47.5	
111 2-Nitrophenol	139	6.997	6.997	0.0	81	88232	45.5	
112 2,4-Dimethylphenol	107	7.098	7.104	-0.006	96	178321	44.6	
115 Bis(2-chloroethoxy)methane	93	7.200	7.200	0.0	97	151864	48.7	
117 2,4-Dichlorophenol	162	7.339	7.339	0.0	95	158583	50.0	
121 Naphthalene	128	7.526	7.526	0.0	84	492582	48.6	
123 4-Chloroaniline	127	7.617	7.616	0.001	92	166931	40.6	
126 Hexachlorobutadiene	225	7.718	7.718	0.0	95	123201	42.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113	8.049	8.033	0.016	58	51885	69.6	
131 4-Chloro-3-methylphenol	107	8.295	8.290	0.005	94	156455	47.0	
133 2-Methylnaphthalene	142	8.439	8.439	0.0	87	330123	44.8	
136 Hexachlorocyclopentadiene	237	8.664	8.663	0.001	91	64247	23.6	
139 2,4,6-Trichlorophenol	196	8.824	8.824	0.0	94	110724	49.7	
140 2,4,5-Trichlorophenol	196	8.877	8.877	0.0	95	117245	49.5	
144 1,1'-Biphenyl	154	9.043	9.043	0.0	95	429897	47.4	
143 2-Chloronaphthalene	162	9.059	9.059	0.0	97	317344	48.8	
145 2-Nitroaniline	65	9.203	9.208	-0.005	76	110335	55.9	
147 Dimethyl phthalate	163	9.449	9.449	0.0	97	415662	51.6	
148 2,6-Dinitrotoluene	165	9.513	9.518	-0.005	73	88955	54.2	
149 Acenaphthylene	152	9.588	9.588	0.0	95	524083	53.5	
150 3-Nitroaniline	138	9.732	9.732	0.0	86	91198	51.9	
151 Acenaphthene	153	9.812	9.812	0.0	92	336960	53.0	
152 2,4-Dinitrophenol	184	9.871	9.866	0.005	78	22588	29.7	
153 4-Nitrophenol	109	9.994	9.999	-0.005	87	93931	45.0	
155 Dibenzofuran	168	10.031	10.031	0.0	83	480438	47.6	
154 2,4-Dinitrotoluene	165	10.026	10.031	-0.005	65	127836	50.7	
160 Diethyl phthalate	149	10.330	10.330	0.0	97	407935	49.2	
161 Fluorene	166	10.443	10.442	0.001	86	411099	49.8	
162 4-Chlorophenyl phenyl ether	204	10.448	10.448	0.0	85	198234	44.9	
164 4-Nitroaniline	138	10.480	10.485	-0.005	61	90137	50.6	
166 4,6-Dinitro-2-methylphenol	198	10.523	10.528	-0.005	67	63196	43.5	
167 N-Nitrosodiphenylamine	169	10.587	10.592	-0.005	98	291058	60.6	
176 4-Bromophenyl phenyl ether	248	11.004	11.003	0.001	93	118040	51.2	
177 Hexachlorobenzene	284	11.089	11.089	0.0	90	128190	51.7	
180 Atrazine	200	11.196	11.196	0.0	89	126550	52.8	
181 Pentachlorophenol	266	11.303	11.303	0.0	81	41807	30.2	
185 Phenanthrene	178	11.506	11.506	0.0	95	885173	81.9	
188 Anthracene	178	11.559	11.559	0.0	96	642610	59.7	
189 Carbazole	167	11.730	11.730	0.0	87	525519	57.4	
192 Di-n-butyl phthalate	149	12.077	12.077	0.0	99	618093	54.2	
197 Fluoranthene	202	12.681	12.676	0.005	95	1858997	153.3	
199 Pyrene	202	12.889	12.884	0.005	97	1792969	144.5	
205 Butyl benzyl phthalate	149	13.440	13.439	0.001	98	274913	48.6	
208 3,3'-Dichlorobenzidine	252	13.910	13.910	0.0	96	187487	37.8	
210 Bis(2-ethylhexyl) phthalate	149	13.926	13.926	0.0	94	359997	48.7	
209 Benzo[a]anthracene	228	13.947	13.942	0.005	95	1437102	115.8	
211 Chrysene	228	13.979	13.979	0.0	91	1514573	131.6	
212 Di-n-octyl phthalate	149	14.455	14.449	0.006	99	602178	55.4	
213 Benzo[b]fluoranthene	252	14.877	14.866	0.011	92	2106567	146.8	
214 Benzo[k]fluoranthene	252	14.898	14.898	0.005	44	1349874	92.2	
217 Benzo[a]pyrene	252	15.176	15.170	0.006	100	1403622	117.7	
219 Indeno[1,2,3-cd]pyrene	276	16.346	16.335	0.011	92	1434116	92.1	
220 Dibenz(a,h)anthracene	278	16.346	16.335	0.011	64	890733	65.9	
221 Benzo[g,h,i]perylene	276	16.672	16.655	0.017	90	1186401	103.8	

Report Date: 26-Sep-2011 15:56:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973U\20110926-6230.b\U4530.D

Injection Date: 26-Sep-2011 15:24:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973U

Lims Batch ID: 32845

Lims Sample ID: 5

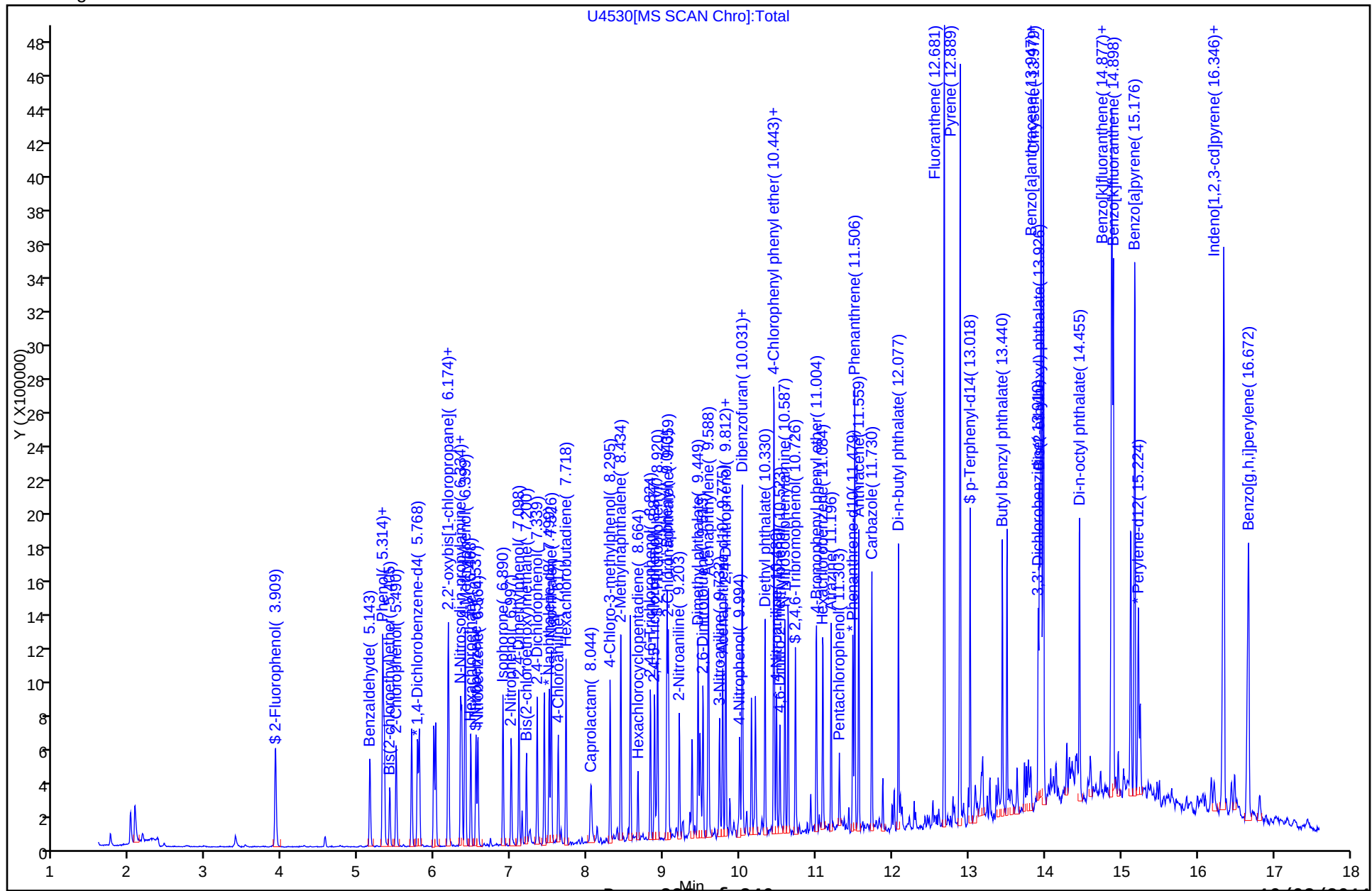
Operator ID: RMM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-10088-1

SDG No.: _____

Instrument ID: HP5973UStart Date: 09/14/2011 14:46Analysis Batch Number: 31234End Date: 09/15/2011 01:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-31234/1		09/14/2011 14:46	1	U4138.D	RXI-5Sil MS 0.25 (mm)
IC 480-31234/2		09/14/2011 15:02	1	U4139.D	RXI-5Sil MS 0.25 (mm)
IC 480-31234/3		09/14/2011 15:25	1	U4140.D	RXI-5Sil MS 0.25 (mm)
IC 480-31234/4		09/14/2011 15:49	1	U4141.D	RXI-5Sil MS 0.25 (mm)
ICIS 480-31234/5		09/14/2011 16:12	1	U4142.D	RXI-5Sil MS 0.25 (mm)
IC 480-31234/6		09/14/2011 16:36	1	U4143.D	RXI-5Sil MS 0.25 (mm)
IC 480-31234/7		09/14/2011 16:59	1	U4144.D	RXI-5Sil MS 0.25 (mm)
IC 480-31234/8		09/14/2011 17:22	1	U4145.D	RXI-5Sil MS 0.25 (mm)
IC 480-31234/9		09/14/2011 17:46	1	U4146.D	RXI-5Sil MS 0.25 (mm)
IC 480-31234/10		09/14/2011 18:09	1	U4147.D	RXI-5Sil MS 0.25 (mm)
IC 480-31234/11		09/14/2011 18:33	1	U4148.D	RXI-5Sil MS 0.25 (mm)
IC 480-31234/12		09/14/2011 18:56	1	U4149.D	RXI-5Sil MS 0.25 (mm)
IC 480-31234/13		09/14/2011 19:20	1	U4150.D	RXI-5Sil MS 0.25 (mm)
IC 480-31234/14		09/14/2011 19:43	1		RXI-5Sil MS 0.25 (mm)
IC 480-31234/15		09/14/2011 20:07	1		RXI-5Sil MS 0.25 (mm)
IC 480-31234/16		09/14/2011 20:30	1		RXI-5Sil MS 0.25 (mm)
IC 480-31234/17		09/14/2011 20:53	1		RXI-5Sil MS 0.25 (mm)
IC 480-31234/18		09/14/2011 21:17	1		RXI-5Sil MS 0.25 (mm)
IC 480-31234/19		09/14/2011 21:40	1		RXI-5Sil MS 0.25 (mm)
ICV 480-31234/20		09/14/2011 22:04	1		RXI-5Sil MS 0.25 (mm)
ICVL 480-31234/21		09/14/2011 22:27	1		RXI-5Sil MS 0.25 (mm)
CCVIS 480-31234/22		09/14/2011 22:51	1		RXI-5Sil MS 0.25 (mm)
CCV 480-31234/23		09/14/2011 23:14	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/14/2011 23:37	10		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2011 00:01	5		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2011 00:24	5		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2011 00:47	10		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2011 01:11	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-10088-1

SDG No.: _____

Instrument ID: HP5973UStart Date: 09/23/2011 12:41Analysis Batch Number: 32612End Date: 09/23/2011 23:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTTP 480-32612/1		09/23/2011 12:41	1	U4498.D	RXI-5Sil MS 0.25 (mm)
CCVIS 480-32612/2		09/23/2011 12:56	1	U4499.D	RXI-5Sil MS 0.25 (mm)
CCV 480-32612/3		09/23/2011 13:20	1	U4500.D	RXI-5Sil MS 0.25 (mm)
MB 480-32474/1-A		09/23/2011 13:43	1	U4501.D	RXI-5Sil MS 0.25 (mm)
LCS 480-32474/2-A		09/23/2011 14:07	1	U4502.D	RXI-5Sil MS 0.25 (mm)
480-10088-2	SB-C2 (5-7)	09/23/2011 15:59	1	U4506.D	RXI-5Sil MS 0.25 (mm)
480-10088-3	SB-C5 (5-9)	09/23/2011 16:23	1	U4507.D	RXI-5Sil MS 0.25 (mm)
480-10088-4	SB-C7 (5-9)	09/23/2011 16:46	1	U4508.D	RXI-5Sil MS 0.25 (mm)
480-10088-5	MW-53 (5-8)	09/23/2011 17:10	1	U4509.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/23/2011 17:33	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/23/2011 17:56	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/23/2011 18:20	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/23/2011 18:43	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/23/2011 19:07	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/23/2011 19:30	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/23/2011 19:54	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/23/2011 20:17	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/23/2011 20:41	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/23/2011 21:04	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/23/2011 21:27	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/23/2011 21:51	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/23/2011 22:14	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/23/2011 22:38	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/23/2011 23:01	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Instrument ID: HP5973U Start Date: 09/26/2011 13:56Analysis Batch Number: 32845 End Date: 09/26/2011 17:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-32845/1		09/26/2011 13:56	1	U4526.D	RXI-5Sil MS 0.25 (mm)
CCVIS 480-32845/2		09/26/2011 14:12	1	U4527.D	RXI-5Sil MS 0.25 (mm)
CCV 480-32845/3		09/26/2011 14:37	1	U4528.D	RXI-5Sil MS 0.25 (mm)
480-10088-1 MS	SB-B3 (5-9) MS	09/26/2011 15:00	2	U4529.D	RXI-5Sil MS 0.25 (mm)
480-10088-1 MSD	SB-B3 (5-9) MSD	09/26/2011 15:24	2	U4530.D	RXI-5Sil MS 0.25 (mm)
480-10088-1	SB-B3 (5-9)	09/26/2011 15:47	2	U4531.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/26/2011 16:11	2		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/26/2011 16:34	5		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/26/2011 16:57	20		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/26/2011 17:21	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Instrument ID: HP5973X Start Date: 09/01/2011 13:22Analysis Batch Number: 29803 End Date: 09/01/2011 23:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTTP 480-29803/1		09/01/2011 13:22	1	X7374.D	RXI-5Sil MS 0.25 (mm)
IC 480-29803/2		09/01/2011 13:37	1		RXI-5Sil MS 0.25 (mm)
IC 480-29803/3		09/01/2011 14:00	1		RXI-5Sil MS 0.25 (mm)
IC 480-29803/4		09/01/2011 14:23	1		RXI-5Sil MS 0.25 (mm)
ICIS 480-29803/5		09/01/2011 14:46	1		RXI-5Sil MS 0.25 (mm)
IC 480-29803/6		09/01/2011 15:09	1		RXI-5Sil MS 0.25 (mm)
IC 480-29803/7		09/01/2011 15:32	1		RXI-5Sil MS 0.25 (mm)
IC 480-29803/8		09/01/2011 15:55	1	X7381.D	RXI-5Sil MS 0.25 (mm)
IC 480-29803/9		09/01/2011 16:17	1	X7382.D	RXI-5Sil MS 0.25 (mm)
IC 480-29803/10		09/01/2011 16:40	1	X7383.D	RXI-5Sil MS 0.25 (mm)
IC 480-29803/11		09/01/2011 17:03	1	X7384.D	RXI-5Sil MS 0.25 (mm)
IC 480-29803/12		09/01/2011 17:26	1	X7385.D	RXI-5Sil MS 0.25 (mm)
IC 480-29803/13		09/01/2011 17:48	1	X7386.D	RXI-5Sil MS 0.25 (mm)
ICVL 480-29803/14		09/01/2011 18:11	1		RXI-5Sil MS 0.25 (mm)
ICV 480-29803/15		09/01/2011 18:34	1		RXI-5Sil MS 0.25 (mm)
IC 480-29803/22		09/01/2011 21:14	1		RXI-5Sil MS 0.25 (mm)
IC 480-29803/23		09/01/2011 21:37	1		RXI-5Sil MS 0.25 (mm)
IC 480-29803/24		09/01/2011 22:00	1		RXI-5Sil MS 0.25 (mm)
IC 480-29803/25		09/01/2011 22:23	1		RXI-5Sil MS 0.25 (mm)
IC 480-29803/26		09/01/2011 22:45	1		RXI-5Sil MS 0.25 (mm)
IC 480-29803/27		09/01/2011 23:08	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Instrument ID: HP5973X Start Date: 09/09/2011 11:35Analysis Batch Number: 30575 End Date: 09/09/2011 15:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-30575/1		09/09/2011 11:35	1	X7696.D	RXI-5Sil MS 0.25 (mm)
IC 480-30575/39		09/09/2011 12:43	1	X7701.D	RXI-5Sil MS 0.25 (mm)
IC 480-30575/40		09/09/2011 13:06	1	X7702.D	RXI-5Sil MS 0.25 (mm)
IC 480-30575/41		09/09/2011 13:29	1	X7703.D	RXI-5Sil MS 0.25 (mm)
ICIS 480-30575/42		09/09/2011 13:52	1	X7704.D	RXI-5Sil MS 0.25 (mm)
IC 480-30575/43		09/09/2011 14:14	1	X7705.D	RXI-5Sil MS 0.25 (mm)
IC 480-30575/44		09/09/2011 14:37	1	X7706.D	RXI-5Sil MS 0.25 (mm)
ICV 480-30575/45		09/09/2011 15:00	1		RXI-5Sil MS 0.25 (mm)
ICVL 480-30575/46		09/09/2011 15:23	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-10088-1

SDG No.: _____

Instrument ID: HP5973XStart Date: 09/27/2011 11:01Analysis Batch Number: 32985End Date: 09/28/2011 04:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTTP 480-32985/1		09/27/2011 11:01	1	X8402.D	RXI-5Sil MS 0.25 (mm)
CCVIS 480-32985/2		09/27/2011 11:17	1	X8403.D	RXI-5Sil MS 0.25 (mm)
CCV 480-32985/3		09/27/2011 11:40	1	X8404.D	RXI-5Sil MS 0.25 (mm)
CCV 480-32985/4		09/27/2011 12:03	1		RXI-5Sil MS 0.25 (mm)
CCV 480-32985/5		09/27/2011 12:25	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/27/2011 13:00	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/27/2011 13:23	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/27/2011 13:46	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/27/2011 14:09	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/27/2011 14:32	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/27/2011 14:55	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/27/2011 15:18	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/27/2011 15:40	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/27/2011 16:03	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/27/2011 16:26	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/27/2011 16:49	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/27/2011 17:12	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/27/2011 17:35	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/27/2011 17:58	1		RXI-5Sil MS 0.25 (mm)
MB 480-32537/1-A		09/27/2011 18:20	1	X8421.D	RXI-5Sil MS 0.25 (mm)
LCS 480-32537/2-A		09/27/2011 18:43	1	X8422.D	RXI-5Sil MS 0.25 (mm)
LCSD 480-32537/3-A		09/27/2011 19:06	1	X8423.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/27/2011 19:29	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/27/2011 19:52	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/27/2011 20:15	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/27/2011 20:38	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/27/2011 21:00	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/27/2011 21:23	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/27/2011 21:46	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/27/2011 22:32	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/27/2011 22:54	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 01:35	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 02:01	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 02:27	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 02:53	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 03:20	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 03:46	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 04:13	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 04:39	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-10088-1

SDG No.: _____

Instrument ID: HP5973XStart Date: 09/28/2011 10:35Analysis Batch Number: 33187End Date: 09/28/2011 22:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-33187/1		09/28/2011 10:35	1	X8459.D	RXI-5Sil MS 0.25 (mm)
CCVIS 480-33187/2		09/28/2011 10:50	1	X8460.D	RXI-5Sil MS 0.25 (mm)
CCV 480-33187/3		09/28/2011 11:13	1	X8461.D	RXI-5Sil MS 0.25 (mm)
CCV 480-33187/4		09/28/2011 11:35	1		RXI-5Sil MS 0.25 (mm)
CCV 480-33187/5		09/28/2011 11:58	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 13:05	1		RXI-5Sil MS 0.25 (mm)
480-10088-6	EB	09/28/2011 13:51	1	X8467.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 14:14	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 14:59	2		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 15:22	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 15:45	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 16:08	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 16:31	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 16:54	10		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 17:16	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 17:39	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 18:02	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 18:25	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 18:48	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 19:11	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 19:34	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 19:57	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 20:19	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 20:42	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 21:05	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 21:28	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 21:51	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		09/28/2011 22:14	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Batch Number: 32474 Batch Start Date: 09/22/11 15:36 Batch Analyst: Evers, DavidBatch Method: 3550B Batch End Date: 09/22/11 23:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	O_8270625surr 00002	O_8270full#1 00009	O_8270full#2 00009	
MB 480-32474/1		3550B, 8270C		+30.61 g	1 mL	1 mL			
LCS 480-32474/2		3550B, 8270C		+30.19 g	1 mL	1 mL	1 mL	1 mL	
480-10088-E-1 MS	SB-B3 (5-9)	3550B, 8270C	T	+30.42 g	1 mL	1 mL	1 mL	1 mL	
480-10088-E-1 MSD	SB-B3 (5-9)	3550B, 8270C	T	+30.52 g	1 mL	1 mL	1 mL	1 mL	
480-10088-E-1	SB-B3 (5-9)	3550B, 8270C	T	+30.43 g	1 mL	1 mL			
480-10088-E-2	SB-C2 (5-7)	3550B, 8270C	T	+30.40 g	1 mL	1 mL			
480-10088-E-3	SB-C5 (5-9)	3550B, 8270C	T	+30.64 g	1 mL	1 mL			
480-10088-E-4	SB-C7 (5-9)	3550B, 8270C	T	+30.50 g	1 mL	1 mL			
480-10088-E-5	MW-53 (5-8)	3550B, 8270C	T	+30.81 g	1 mL	1 mL			

Batch Notes	
Balance ID	40029
Person's name who did the concentration	DLE
Final Concentrator Volume	1 mL
Na2SO4 Lot Number	27861003
Nominal Amount Used	30 g
Prep Solvent Lot #	K24E11
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	300 mL
Person's name who witnessed reagent drop	DLE

Basis	Basis Description
T	Total/NA

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Batch Number: 32537 Batch Start Date: 09/23/11 07:20 Batch Analyst: Viscuso, KimBatch Method: 3510C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH	O_8270625surr 00002
MB 480-32537/1		3510C, 8270C		5	1000 mL	1 mL	<2	>11	1 mL
LCS 480-32537/2		3510C, 8270C		5	1000 mL	1 mL	<2	>11	1 mL
LCSD 480-32537/3		3510C, 8270C		5	1000 mL	1 mL	<2	>11	1 mL
480-10088-A-6	EB	3510C, 8270C	T	6	1060 mL	1 mL	<2	>11	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	O_8270full#1 00009	O_8270full#2 00009	AnalysisComment			
MB 480-32537/1		3510C, 8270C							
LCS 480-32537/2		3510C, 8270C		1 mL	1 mL				
LCSD 480-32537/3		3510C, 8270C		1 mL	1 mL				
480-10088-A-6	EB	3510C, 8270C	T			Clear			

Batch Notes	
Acid used for pH adjustment	1:1 Sulfuric
Acid used for pH adjust Lot #	92408
Base used for pH adjustment	Sodium Hydroxide
Base used for pH adjust Lot #	HC090126
Na2SO4 Lot Number	27861003
Prep Solvent Lot #	K24E11
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	360 mL
Person's name who did the prep	KXV
Person's name who witnessed reagent drop	KXV
Sufficient volume for MS/MSD?	Yes

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-10088-1

SDG No.: _____

Project: ALCO-Maxon Site

Client Sample ID	Lab Sample ID
<u>SB-B3 (5-9)</u>	<u>480-10088-1</u>
<u>SB-C2 (5-7)</u>	<u>480-10088-2</u>
<u>SB-C5 (5-9)</u>	<u>480-10088-3</u>
<u>SB-C7 (5-9)</u>	<u>480-10088-4</u>
<u>MW-53 (5-8)</u>	<u>480-10088-5</u>

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-10088-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture RL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-10088-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture XRL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/22/2011 17:54 End Date: 09/22/2011 17:54

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/22/2011 17:54 End Date: 09/22/2011 17:54

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
ZZZZZZ			17:54																		
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Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-10088-1

SDG No.: _____

Batch Number: 32507 Batch Start Date: 09/22/11 17:54 Batch Analyst: Robitaille, Zach LBatch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
480-10088-A-1	SB-B3 (5-9)	Moisture	T	3	4.45 g	13.44 g	11.97 g		
480-10088-A-2	SB-C2 (5-7)	Moisture	T	4	4.45 g	14.92 g	13.42 g		
480-10088-A-3	SB-C5 (5-9)	Moisture	T	5	4.45 g	13.83 g	12.95 g		
480-10088-A-4	SB-C7 (5-9)	Moisture	T	6	4.45 g	17.11 g	14.92 g		
480-10088-A-5	MW-53 (5-8)	Moisture	T	7	4.45 g	14.82 g	14.06 g		

Batch Notes	
Batch Comment	pp-bsl-1012 4.45
Date samples were placed in the oven	09/22/11
Time samples were place in the oven	1755

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

Temperature on Receipt _____
Drinking Water? Yes ☐ No ☒

Chain of Custody Record

TAL-4124 (11/07)

Client CHA	Project Manager Sarah Newell	Date	Chain of Custody Number 194310
Address 3 Winners Circle	Telephone Number (Area Code) Fax Number 518-453-8749	Lab Number	Page 1 of 1
City Albany	State NY	Zip Code 12205	
Project Name and Location (State) ALCO - MAXON	Site Contact J. Perick	Lab Contact	
Contract/Purchase Order/Quote No. 14400-2001	Carrier/Waybill Number		

City	State	Zip Code	Site Contact	Lab Contact	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt										
Albany	NY	12205	J. Perrick													
Project Name and Location (State)			Carrier/Waybill Number													
ALCO - MAXON																
Contract/Purchase Order/Quote No.																
14400-2001.																
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix			Containers & Preservatives				Analysis (Attach list if more space is needed)				Special Instructions/ Conditions of Receipt		
SB-B3 (5'-9')	9/19/11	12:50P	Asst	Sec	Lab	Upst	Down	100%	50%	25%	12.5%	TCL VOCs+TLCS				VOLs - 8260B plus TLCS
SB-C2 (5'-7')		10:00A		X		2	2					1	4	1		
SB-C5 (5'-9')		8:15A		X		2	2					1	4	1		
SB-C7 (5'-9')		11:35A		X		2	2					1	4	1	SVOLs - 8270C plus TLCS	
MW-S3 (5'-8')		1:55P		X		2	2					1	4	1		
EB		1:30P	X			2	2		3			3	2		ASP	
Trip Blank			X						2			2			Category B	
			</													

Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown	Sample Disposal ☒ Return to Client ☐ Archive For _____ Months	Disposal By Lab ☐ Disposal By Client ☒	(A fee may be assessed if samples are retained longer than 1 month)
Turn Around Time Required ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days	☒ Over Standard	QC Requirements (Specify)	
1. Requested By J. S. Perick III	Date 9/20/11	Time 10:20	
2. Requested By J. S. Perick III	Date 9/20/11	Time 10:20	
3. Requested By J. S. Perick III	Date 9/20/11	Time 10:20	

Login Sample Receipt Checklist

Client: CHA Inc

Job Number: 480-10088-1

Login Number: 10088

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wienke, Robert

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	False	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	