TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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2/17/10

ANALYTICAL REPORT

Job Number: 360-24365-2

SDG Number: OCRI-09A

Job Description: Olin Chemical Superfund Site

For:
Olin Corporation
3855 North Ocoee Street
Suite 200
Cleveland, TN 37312-4441

Attention: Mr. Steven Morrow

Approved for release.
James T Wickham
Technology Manager
10/27/2009 4:33 PM

Designee for
Becky C Mason
Project Manager II
becky.mason@testamericainc.com
10/27/2009

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TestAmerica Laboratories, Inc.
TestAmerica Westfield Westfield Executive Park, 53 Southampton Road, Westfield, MA 01085
Tel (413) 572-4000 Fax (413) 572-3707 www.testamericainc.com

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MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	**TestAmerica Westfield**	Project #:	**360-24365-2**
Project Location:	**Wilmington, MA**	MADEP RTN[1]:	

This form provides certifications for the following data set:[list Laboratory Sample ID Number(s)]
360-24365-(2,6,9,14,17)

Sample Matrices:	Groundwater	Soil/Sediment		Drinking Water	Other:	
MCP SW-846 Methods Used	8260B( )	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )	Other ( )
	8270C(**X**)	8081A ( )	VPH ( )	6020 ( )	9014M[2]/9012 ( )	
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 ( )	8021B ( )	EPH ( )	7000 S[3]( )	7196A ( )	

1 List Release Tracking Number (RTN), if known
2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S - SW-846 Methods 7000 Series List individual method and analyte.

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	Yes √		No[1]
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes √		No[1]
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, " Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes √	N/A	No[1]
D	**VPH and EPH methods only:** Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)?	Yes	N/A √	No[1]

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes		No[1] √
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes √	N/A	No[1]

[1] All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: **Position:** Technical Manager

Printed Name: James Wickham **Date:** 10/27/09 13:09

The certification form has been electronically signed and approved. CAM VII A, Rev 3.2 April-04

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RI DOH 57
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VT DECWSD

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NELAP NY 10843
NH DES 253901-A

TestAmerica Westfield
53 Southampton Rd,
Westfield, MA 01085
Tel:(413)572-4000
Fax:(413)572-3707

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Laboratory Name:	**TestAmerica Westfield**	Project #:	**360-24365-2**
Project Location:	**Wilmington, MA**	MADEP RTN[1]:	

This form provides certifications for the following data set:[list Laboratory Sample ID Number(s)]
360-24365-(2,6,9,14,17)

Sample Matrices:	Groundwater	Soil/Sediment		Drinking Water	Other:	
MCP SW-846 Methods Used	8260B( )	8151A ( )	8330 ( )	6010B (**X**)	7470A/1A ( )	Other ( )
	8270C( )	8081A ( )	VPH ( )	6020 ( )	9014M[2]/9012 ( )	
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 ( )	8021B ( )	EPH ( )	7000 S[3]( )	7196A ( )	

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D	**VPH and EPH methods only:** Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)?	Yes	N/A √	No[1]

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E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes		No[1] √
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TestAmerica Westfield
53 Southampton Rd,
Westfield, MA 01085
Tel:(413)572-4000
Fax:(413)572-3707

MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	**TestAmerica Westfield**	Project #:	**360-24365-2**
Project Location:	**Wilmington, MA**	MADEP RTN[1]:	

This form provides certifications for the following data set:[list Laboratory Sample ID Number(s)]
360-24365-(6)

Sample Matrices:	Groundwater	Soil/Sediment		Drinking Water	Other:	
MCP SW-846 Methods Used	8260B( )	8151A ( )	8330 ( )	6010B ( )	7470A/1A (**X**)	Other ( )
	8270C( )	8081A ( )	VPH ( )	6020 ( )	9014M[2]/9012 ( )	
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 ( )	8021B ( )	EPH ( )	7000 S[3]( )	7196A ( )	

1 List Release Tracking Number (RTN), if known
2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S - SW-846 Methods 7000 Series List individual method and analyte.

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	Yes √		No[1]
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes √		No[1]
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, " Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes √	N/A	No[1]
D	**VPH and EPH methods only:** Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)?	Yes	N/A √	No[1]

A response to questions E and F below is required for "Presumptive Certainty" status

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F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes √	N/A	No[1]

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TestAmerica Westfield
53 Southampton Rd,
Westfield, MA 01085
Tel:(413)572-4000
Fax:(413)572-3707

CASE NARRATIVE

Client: Olin Corporation

Project: Olin Chemical Superfund Site

Report Number: 360-24365-2

Samples were analyzed in accordance with analytical methods, SOPs, and QA/QC goals described in the Olin Chemical Superfund Site Remedial Investigation /Feasibility Study Work Plan Volume III-B Quality Assurance Project Plan (QAPP) August 14, 2009. Analytical methods include USEPA published methods for the majority of analytes. Custom laboratory methods that were developed by Test America are also used for a subset of analytes as described in the QAPP. Analytical QA/QC goals from the Massachusetts Contingency Plan (MCP) Compendium of MCP Methods published by the Massachusetts Department of Environmental Protection (MassDEP) have been identified as project goals in the QAPP for those methods addressed in the Compendium. Analytical methods are run in accordance with both USEPA methodologies and MassDEP analytical guidelines. Analytical methods meet requirements of USEPA methods and MassDEP Presumptive Certainty goals unless discussed in this narrative.

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

For those methods contained in the MassDEP Compendium, a separate MCP Analytical Method Report Certification Form is included for each method requested.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may be greater than project QLs identified in the QAPP. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes which exceed the calibration range.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 08/31/2009 and 09/01/2009; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.0 and 4.2 C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 360-24365-2, 360-24365-6, 360-24365-9, 360-24365-14 and 360-24365-17 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 8270C LL. The samples were prepared on 09/09/2009 and 09/11/2009 and analyzed on 09/19/2009, 09/22/2009 and 10/04/2009.

All QC performance standards identified in the project QAPP, which may affect Data Usability for this specific method, were achieved with the exception of:

For samples 360-24365-(2,6,6DL), Benzoic acid and Di-n-butyl phthalate were detected in method blank MB 360-48742/1-A at levels exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

For sample 360-24365-(9,14,17), Benzoic acid was detected in method blank MB 360-48854/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

For samples 360-24365-(2,6,6DL), 3,3'-Dichlorobenzidine and Aniline failed the recovery criteria low for LCS 360-48742/2-A. 3,3'-Dichlorobenzidine, Aniline and Benzoic acid failed the recovery criteria low for LCSD 360-48742/3-A.

For sample 360-24365-(9,14,17), Aniline failed the recovery criteria low for LCS/LCSD 360-48854/2-A.

For 360-24365-(6), the 1X analysis recovered the internal standard low for Perylene-d12. Target compound affected by this is Bis(2-ethyhexyl)phthalate (reported as J flag). The sample was also reported from a 10X analysis due to a high target compound - all internal standard results were acceptable for the 10X analysis

General method information:

Sample 360-24365-6(1X, 10X) required dilution prior to analysis due to a high target compound. The reporting limits have been adjusted accordingly.

For sample 360-24365-(2), batch 49187. ICAL 9/18/2009 Inst B: Quadratic regression used for Benzyl alcohol, 1,2,4-trichlorobenzene,

Naphthalene, 4-Chloroanaline, Di-n-octyl phthalate and Indeno(1,2,3-cd)pyrene.

For samples 360-24365-(6, 6DL), batch 49847. ICAL 10/4/2009 Inst B: Quadratic regression used for Benzoic acid, 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, 1,2,4,5-Tetrachlorobenzene, 1,2,4-trichlorobenzene, Naphthalene, Hexachlorobutadiene, 1-Methylnaphthalene, Phenyl ether, Di-n-octyl phthalate.

For samples 360-24365-(9,14,17), batch 49266. ICAL 9/21/2009 Inst B: quadratic regression used for 1,2,4-Trichlorobenzene and 2,4-Dinitrophenol.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS

Samples 360-24365-2, 360-24365-6, 360-24365-9, 360-24365-14 and 360-24365-17 were analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 09/28/2009 and 10/12/2009.

All QC performance standards identified in the project QAPP, which may affect Data Usability for this specific method, were achieved with the exception of:

For sample 360-24365-17, Calcium was detected in method blank MB 360-50159/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

For samples 360-24365-(2,6,9,14) in batch 49582 and 360-24365-17 in batch 50204, Tin exceeded the CRI method criteria with 63% recovery on the low reporting limit standard. The recommend MCP control criteria is 70-130%. The data has been flagged appropriately.

General method information:

For samples 360-24365-(2,6,9,14), several analytes were detected in method blank MB 360-49527/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

For sample 360-24365-17, Iron, Magnesium and Tin were detected in method blank MB 360-50159/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

At the request of the client, a modified MCP analyte list (TAL metals) was reported for this job.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Sample 360-24365-6 was analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared on 09/22/2009 and analyzed on 09/23/2009.

All QC performance standards identified in the project QAPP, which may affect Data Usability for this specific method, were achieved.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-24365-2	OC-SB-442-20/22-XXX	Solid	08/31/2009 1320	08/31/2009 1745
360-24365-6	OC-SB-447-18/20-XXX	Solid	08/31/2009 0905	08/31/2009 1745
360-24365-9	OC-SB-452-13/15-XXX	Solid	08/31/2009 1100	08/31/2009 1745
360-24365-14	OC-SB-458-22/24-XXX	Solid	08/31/2009 1630	09/01/2009 1715
360-24365-17	OC-SB-460-30/32-XXX	Solid	09/01/2009 1040	09/01/2009 1715

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24365-2	**OC-SB-442-20/22-XXX**					
Aluminum		4600		2.8	mg/Kg	6010B
Arsenic		2.6		1.1	mg/Kg	6010B
Barium		14		0.55	mg/Kg	6010B
Beryllium		0.14	J	0.22	mg/Kg	6010B
Cadmium		0.16	J	0.22	mg/Kg	6010B
Calcium		1500	B	11	mg/Kg	6010B
Chromium		13	B	0.55	mg/Kg	6010B
Cobalt		6.0		0.55	mg/Kg	6010B
Copper		15		1.1	mg/Kg	6010B
Iron		9700	B	5.5	mg/Kg	6010B
Lead		1.5		0.55	mg/Kg	6010B
Magnesium		2700	B	11	mg/Kg	6010B
Manganese		93		1.1	mg/Kg	6010B
Nickel		9.0		1.1	mg/Kg	6010B
Potassium		1100		220	mg/Kg	6010B
Sodium		61	J	110	mg/Kg	6010B
Vanadium		13		1.1	mg/Kg	6010B
Zinc		12		2.8	mg/Kg	6010B
Tin		4.2	J ^ B	5.5	mg/Kg	6010B
360-24365-6	**OC-SB-447-18/20-XXX**					
1,1'-Biphenyl		330		37	ug/Kg	8270C LL
Bis(2-ethylhexyl) phthalate		22	J	37	ug/Kg	8270C LL
Diphenyl oxide		1100		370	ug/Kg	8270C LL
Phenol		18	J	37	ug/Kg	8270C LL
Aluminum		7400		3.4	mg/Kg	6010B
Arsenic		3.9		1.4	mg/Kg	6010B
Barium		30		0.68	mg/Kg	6010B
Beryllium		0.22	J	0.27	mg/Kg	6010B
Cadmium		0.22	J	0.27	mg/Kg	6010B
Calcium		2000	B	14	mg/Kg	6010B
Chromium		12	B	0.68	mg/Kg	6010B
Cobalt		6.0		0.68	mg/Kg	6010B
Copper		26		1.4	mg/Kg	6010B
Iron		15000	B	6.8	mg/Kg	6010B
Lead		1.4		0.68	mg/Kg	6010B
Magnesium		3500	B	14	mg/Kg	6010B
Manganese		93		1.4	mg/Kg	6010B
Nickel		9.8		1.4	mg/Kg	6010B
Potassium		1900		270	mg/Kg	6010B
Sodium		61	J	140	mg/Kg	6010B
Vanadium		19		1.4	mg/Kg	6010B
Zinc		22		3.4	mg/Kg	6010B
Tin		3.6	J ^ B	6.8	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24365-9	**OC-SB-452-13/15-XXX**					
Bis(2-ethylhexyl) phthalate		23	J	36	ug/Kg	8270C LL
Aluminum		7300		3.5	mg/Kg	6010B
Arsenic		7.8		1.4	mg/Kg	6010B
Barium		24		0.69	mg/Kg	6010B
Beryllium		0.21	J	0.28	mg/Kg	6010B
Cadmium		0.23	J	0.28	mg/Kg	6010B
Calcium		3200	B	14	mg/Kg	6010B
Chromium		17	B	0.69	mg/Kg	6010B
Cobalt		7.2		0.69	mg/Kg	6010B
Copper		29		1.4	mg/Kg	6010B
Iron		15000	B	6.9	mg/Kg	6010B
Lead		2.5		0.69	mg/Kg	6010B
Magnesium		3200	B	14	mg/Kg	6010B
Manganese		110		1.4	mg/Kg	6010B
Nickel		13		1.4	mg/Kg	6010B
Potassium		1000		280	mg/Kg	6010B
Sodium		130	J	140	mg/Kg	6010B
Vanadium		30		1.4	mg/Kg	6010B
Zinc		20		3.5	mg/Kg	6010B
Tin		5.5	J ^ B	6.9	mg/Kg	6010B
360-24365-14	**OC-SB-458-22/24-XXX**					
Aluminum		5800		3.1	mg/Kg	6010B
Arsenic		3.5		1.2	mg/Kg	6010B
Barium		16		0.61	mg/Kg	6010B
Beryllium		0.18	J	0.25	mg/Kg	6010B
Cadmium		0.14	J	0.25	mg/Kg	6010B
Calcium		1500	B	12	mg/Kg	6010B
Chromium		13	B	0.61	mg/Kg	6010B
Cobalt		4.0		0.61	mg/Kg	6010B
Copper		11		1.2	mg/Kg	6010B
Iron		10000	B	6.1	mg/Kg	6010B
Lead		1.5		0.61	mg/Kg	6010B
Magnesium		2600	B	12	mg/Kg	6010B
Manganese		85		1.2	mg/Kg	6010B
Nickel		8.2		1.2	mg/Kg	6010B
Potassium		1100		250	mg/Kg	6010B
Sodium		68	J	120	mg/Kg	6010B
Vanadium		13		1.2	mg/Kg	6010B
Zinc		16		3.1	mg/Kg	6010B
Tin		4.2	J ^ B	6.1	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24365-17	**OC-SB-460-30/32-XXX**					
Bis(2-ethylhexyl) phthalate		22	J	37	ug/Kg	8270C LL
Diphenyl oxide		17	J	37	ug/Kg	8270C LL
Aluminum		5900		3.0	mg/Kg	6010B
Arsenic		3.9		1.2	mg/Kg	6010B
Barium		24		0.60	mg/Kg	6010B
Beryllium		0.19	J	0.24	mg/Kg	6010B
Cadmium		0.28		0.24	mg/Kg	6010B
Calcium		1900	B	12	mg/Kg	6010B
Chromium		120		0.60	mg/Kg	6010B
Cobalt		5.3		0.60	mg/Kg	6010B
Copper		19		1.2	mg/Kg	6010B
Iron		13000	B	6.0	mg/Kg	6010B
Lead		1.4		0.60	mg/Kg	6010B
Magnesium		3300	B	12	mg/Kg	6010B
Manganese		96		1.2	mg/Kg	6010B
Nickel		9.9		1.2	mg/Kg	6010B
Potassium		1400		240	mg/Kg	6010B
Silver		1.5		0.60	mg/Kg	6010B
Sodium		68	J	120	mg/Kg	6010B
Vanadium		19		1.2	mg/Kg	6010B
Zinc		17		3.0	mg/Kg	6010B
Tin		50	^ B	6.0	mg/Kg	6010B

METHOD SUMMARY

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Semivolatile Organic Compounds by GCMS - Low Levels	TAL WFD	SW846 8270C LL	
Microwave Extraction	TAL WFD		SW846 3546
Metals (ICP)	TAL WFD	SW846 6010B	
Preparation, Metals	TAL WFD		SW846 3050B
Mercury (CVAA)	TAL WFD	SW846 7471A	
Preparation, Mercury	TAL WFD		SW846 7471A

Lab References:

TAL WFD = TestAmerica Westfield

Method References:

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

METHOD / ANALYST SUMMARY

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Method	Analyst	Analyst ID
SW846 8270C LL	Sullivan, Pat J	PJS
SW846 6010B	Nasiatka, Ellen M	EMN
SW846 7471A	Nasiatka, Ellen M	EMN

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Client Sample ID: **OC-SB-442-20/22-XXX**

Lab Sample ID: 360-24365-2
Client Matrix: Solid
% Moisture: 6.9

Date Sampled: 08/31/2009 1320
Date Received: 08/31/2009 1745

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49187		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48742		Lab File ID:	B10430.D
Dilution:	1.0			Initial Weight/Volume:	30.20 g
Date Analyzed:	09/19/2009 0812			Final Weight/Volume:	1.0 mL
Date Prepared:	09/09/2009 0958			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		11	36
1,2,4,5-Tetrachlorobenzene		ND		11	36
1,2,4-Trichlorobenzene		ND		11	36
1,2-Dichlorobenzene		ND		11	36
1,3-Dichlorobenzene		ND		11	36
1,4-Dichlorobenzene		ND		11	36
1-Methylnaphthalene		ND		11	36
2,2'-oxybis[1-chloropropane]		ND		11	36
2,3,4,6-Tetrachlorophenol		ND		11	36
2,4,5-Trichlorophenol		ND		11	36
2,4,6-Trichlorophenol		ND		11	36
2,4-Dichlorophenol		ND		11	36
2,4-Dimethylphenol		ND		14	36
2,4-Dinitrophenol		ND		11	36
2,4-Dinitrotoluene		ND		11	36
2,6-Dinitrotoluene		ND		11	36
2-Chloronaphthalene		ND		11	36
2-Chlorophenol		ND		11	36
2-Methylnaphthalene		ND		11	36
2-Methylphenol		ND		21	36
2-Nitroaniline		ND		11	180
2-Nitrophenol		ND		11	36
3 & 4 Methylphenol		ND		11	36
3,3'-Dichlorobenzidine		ND	*	11	71
3-Nitroaniline		ND		11	180
4,6-Dinitro-2-methylphenol		ND		11	180
4-Bromophenyl phenyl ether		ND		11	36
4-Chloro-3-methylphenol		ND		11	71
4-Chloroaniline		ND		11	71
4-Chlorophenyl phenyl ether		ND		11	36
4-Nitroaniline		ND		11	180
4-Nitrophenol		ND		11	180
Acenaphthene		ND		11	36
Acenaphthylene		ND		11	36
Acetophenone		ND		11	36
Aniline		ND	*	11	36
Anthracene		ND		11	36
Atrazine		ND		11	36
Azobenzene		ND		11	36
Benzaldehyde		ND		11	36
Benzo[a]anthracene		ND		11	36
Benzo[a]pyrene		ND		11	36
Benzo[b]fluoranthene		ND		11	36
Benzo[g,h,i]perylene		ND		11	36
Benzo[k]fluoranthene		ND		11	36
Benzoic acid		ND	*	16	180

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Client Sample ID: **OC-SB-442-20/22-XXX**

Lab Sample ID: 360-24365-2
Client Matrix: Solid
% Moisture: 6.9

Date Sampled: 08/31/2009 1320
Date Received: 08/31/2009 1745

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49187		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48742		Lab File ID:	B10430.D
Dilution:	1.0			Initial Weight/Volume:	30.20 g
Date Analyzed:	09/19/2009 0812			Final Weight/Volume:	1.0 mL
Date Prepared:	09/09/2009 0958			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		11	36
Benzyl alcohol		ND		30	71
Bis(2-chloroethoxy)methane		ND		11	36
Bis(2-chloroethyl)ether		ND		11	36
Bis(2-ethylhexyl) phthalate		ND		11	36
Butyl benzyl phthalate		ND		11	36
Caprolactam		ND		11	36
Carbazole		ND		11	36
Chrysene		ND		11	36
Dibenz(a,h)anthracene		ND		11	36
Dibenzofuran		ND		11	36
Diethyl phthalate		ND		11	36
Dimethyl phthalate		ND		11	36
Di-n-butyl phthalate		ND		31	36
Di-n-octyl phthalate		ND		18	36
Diphenyl oxide		ND		11	36
Fluoranthene		ND		11	36
Fluorene		ND		11	36
Hexachlorobenzene		ND		11	36
Hexachlorobutadiene		ND		11	36
Hexachlorocyclopentadiene		ND		11	71
Hexachloroethane		ND		11	36
Indeno[1,2,3-cd]pyrene		ND		11	36
Isophorone		ND		11	36
Naphthalene		ND		11	85
Nitrobenzene		ND		11	36
N-Nitrosodimethylamine		ND		13	36
N-Nitrosodi-n-propylamine		ND		11	36
N-Nitrosodiphenylamine		ND		11	36
Pentachlorophenol		ND		11	36
Phenanthrene		ND		11	43
Phenol		ND		11	36
Pyrene		ND		11	36

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	55		30 - 130
2-Fluorobiphenyl	64		30 - 130
2-Fluorophenol	66		30 - 130
Nitrobenzene-d5	71		30 - 130
Phenol-d5	57		30 - 130
Terphenyl-d14	87		30 - 130

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Client Sample ID: **OC-SB-442-20/22-XXX**

Lab Sample ID: 360-24365-2
Client Matrix: Solid
% Moisture: 6.9

Date Sampled: 08/31/2009 1320
Date Received: 08/31/2009 1745

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49187		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48742		Lab File ID:	B10430.D
Dilution:	1.0			Initial Weight/Volume:	30.20 g
Date Analyzed:	09/19/2009 0812			Final Weight/Volume:	1.0 mL
Date Prepared:	09/09/2009 0958			Injection Volume:	

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	7.30	15	T J
615-22-5	Benzothiazole, 2-(methylthio)-	11.29	17	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	11.65	12	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	12.06	11	T J N
630-3-5	Nonacosane	16.42	18	T J N

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Client Sample ID: **OC-SB-447-18/20-XXX**

Lab Sample ID: 360-24365-6
Client Matrix: Solid
% Moisture: 9.4

Date Sampled: 08/31/2009 0905
Date Received: 08/31/2009 1745

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49847		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48742		Lab File ID:	J03317.D
Dilution:	1.0			Initial Weight/Volume:	30.09 g
Date Analyzed:	10/04/2009 2310			Final Weight/Volume:	1.0 mL
Date Prepared:	09/09/2009 0958			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		330		11	37
1,2,4,5-Tetrachlorobenzene		ND		11	37
1,2,4-Trichlorobenzene		ND		11	37
1,2-Dichlorobenzene		ND		11	37
1,3-Dichlorobenzene		ND		11	37
1,4-Dichlorobenzene		ND		11	37
1-Methylnaphthalene		ND		11	37
2,2'-oxybis[1-chloropropane]		ND		11	37
2,3,4,6-Tetrachlorophenol		ND		11	37
2,4,5-Trichlorophenol		ND		11	37
2,4,6-Trichlorophenol		ND		11	37
2,4-Dichlorophenol		ND		11	37
2,4-Dimethylphenol		ND		14	37
2,4-Dinitrophenol		ND		11	37
2,4-Dinitrotoluene		ND		11	37
2,6-Dinitrotoluene		ND		11	37
2-Chloronaphthalene		ND		11	37
2-Chlorophenol		ND		11	37
2-Methylnaphthalene		ND		11	37
2-Methylphenol		ND		22	37
2-Nitroaniline		ND		11	180
2-Nitrophenol		ND		11	37
3 & 4 Methylphenol		ND		11	37
3,3'-Dichlorobenzidine		ND		11	73
3-Nitroaniline		ND		11	180
4,6-Dinitro-2-methylphenol		ND		11	180
4-Bromophenyl phenyl ether		ND		11	37
4-Chloro-3-methylphenol		ND		11	73
4-Chloroaniline		ND		11	73
4-Chlorophenyl phenyl ether		ND		11	37
4-Nitroaniline		ND		11	180
4-Nitrophenol		ND		11	180
Acenaphthene		ND		11	37
Acenaphthylene		ND		11	37
Acetophenone		ND		11	37
Aniline		ND		11	37
Anthracene		ND		11	37
Atrazine		ND		11	37
Azobenzene		ND		11	37
Benzaldehyde		ND		11	37
Benzo[a]anthracene		ND		11	37
Benzo[a]pyrene		ND		11	37
Benzo[b]fluoranthene		ND		11	37
Benzo[g,h,i]perylene		ND		11	37
Benzo[k]fluoranthene		ND		11	37
Benzoic acid		ND		16	180

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Client Sample ID: **OC-SB-447-18/20-XXX**

Lab Sample ID: 360-24365-6
Client Matrix: Solid
% Moisture: 9.4

Date Sampled: 08/31/2009 0905
Date Received: 08/31/2009 1745

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49847		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48742		Lab File ID:	J03317.D
Dilution:	1.0			Initial Weight/Volume:	30.09 g
Date Analyzed:	10/04/2009 2310			Final Weight/Volume:	1.0 mL
Date Prepared:	09/09/2009 0958			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		11	37
Benzyl alcohol		ND		31	73
Bis(2-chloroethoxy)methane		ND		11	37
Bis(2-chloroethyl)ether		ND		11	37
Bis(2-ethylhexyl) phthalate		22	J	11	37
Butyl benzyl phthalate		ND		11	37
Caprolactam		ND		11	37
Carbazole		ND		11	37
Chrysene		ND		11	37
Dibenz(a,h)anthracene		ND		11	37
Dibenzofuran		ND		11	37
Diethyl phthalate		ND		11	37
Dimethyl phthalate		ND		11	37
Di-n-butyl phthalate		ND		32	37
Di-n-octyl phthalate		ND		18	37
Fluoranthene		ND		11	37
Fluorene		ND		11	37
Hexachlorobenzene		ND		11	37
Hexachlorobutadiene		ND		11	37
Hexachlorocyclopentadiene		ND		11	73
Hexachloroethane		ND		11	37
Indeno[1,2,3-cd]pyrene		ND		11	37
Isophorone		ND		11	37
Naphthalene		ND		11	88
Nitrobenzene		ND		11	37
N-Nitrosodimethylamine		ND		13	37
N-Nitrosodi-n-propylamine		ND		11	37
N-Nitrosodiphenylamine		ND		11	37
Pentachlorophenol		ND		11	37
Phenanthrene		ND		11	44
Phenol		18	J	11	37
Pyrene		ND		11	37

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	56		30 - 130
2-Fluorobiphenyl	54		30 - 130
2-Fluorophenol	70		30 - 130
Nitrobenzene-d5	69		30 - 130
Phenol-d5	57		30 - 130
Terphenyl-d14	69		30 - 130

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Client Sample ID: **OC-SB-447-18/20-XXX**

Lab Sample ID: 360-24365-6
Client Matrix: Solid
% Moisture: 9.4

Date Sampled: 08/31/2009 0905
Date Received: 08/31/2009 1745

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49847		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48742		Lab File ID:	J03317.D
Dilution:	1.0			Initial Weight/Volume:	30.09 g
Date Analyzed:	10/04/2009 2310			Final Weight/Volume:	1.0 mL
Date Prepared:	09/09/2009 0958			Injection Volume:	

Tentatively Identified Compounds **Number TIC's Found:** **4**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
763-93-9	3-Hexen-2-one	4.75	14	T J N
138-86-3	Limonene	7.44	8.2	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	11.99	8.1	T J N
26603-23-6	p,p"-Dioctyldiphenylamine	15.93	200	T J N

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Client Sample ID: **OC-SB-447-18/20-XXX**

Lab Sample ID: 360-24365-6
Client Matrix: Solid
% Moisture: 9.4

Date Sampled: 08/31/2009 0905
Date Received: 08/31/2009 1745

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49847		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48742		Lab File ID:	J03316.D
Dilution:	10			Initial Weight/Volume:	30.09 g
Date Analyzed:	10/04/2009 2237	Run Type:	DL	Final Weight/Volume:	1.0 mL
Date Prepared:	09/09/2009 0958			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Diphenyl oxide		1100		110	370

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	69		30 - 130
2-Fluorobiphenyl	74		30 - 130
2-Fluorophenol	80		30 - 130
Nitrobenzene-d5	75		30 - 130
Phenol-d5	74		30 - 130
Terphenyl-d14	87		30 - 130

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Client Sample ID: **OC-SB-452-13/15-XXX**

Lab Sample ID: 360-24365-9
Client Matrix: Solid
% Moisture: 8.0

Date Sampled: 08/31/2009 1100
Date Received: 08/31/2009 1745

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10457.D
Dilution:	1.0			Initial Weight/Volume:	30.03 g
Date Analyzed:	09/22/2009 0144			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		11	36
1,2,4,5-Tetrachlorobenzene		ND		11	36
1,2,4-Trichlorobenzene		ND		11	36
1,2-Dichlorobenzene		ND		11	36
1,3-Dichlorobenzene		ND		11	36
1,4-Dichlorobenzene		ND		11	36
1-Methylnaphthalene		ND		11	36
2,2'-oxybis[1-chloropropane]		ND		11	36
2,3,4,6-Tetrachlorophenol		ND		11	36
2,4,5-Trichlorophenol		ND		11	36
2,4,6-Trichlorophenol		ND		11	36
2,4-Dichlorophenol		ND		11	36
2,4-Dimethylphenol		ND		14	36
2,4-Dinitrophenol		ND		11	36
2,4-Dinitrotoluene		ND		11	36
2,6-Dinitrotoluene		ND		11	36
2-Chloronaphthalene		ND		11	36
2-Chlorophenol		ND		11	36
2-Methylnaphthalene		ND		11	36
2-Methylphenol		ND		22	36
2-Nitroaniline		ND		11	180
2-Nitrophenol		ND		11	36
3 & 4 Methylphenol		ND		11	36
3,3'-Dichlorobenzidine		ND		11	72
3-Nitroaniline		ND		11	180
4,6-Dinitro-2-methylphenol		ND		11	180
4-Bromophenyl phenyl ether		ND		11	36
4-Chloro-3-methylphenol		ND		11	72
4-Chloroaniline		ND		11	72
4-Chlorophenyl phenyl ether		ND		11	36
4-Nitroaniline		ND		11	180
4-Nitrophenol		ND		11	180
Acenaphthene		ND		11	36
Acenaphthylene		ND		11	36
Acetophenone		ND		11	36
Aniline		ND	*	11	36
Anthracene		ND		11	36
Atrazine		ND		11	36
Azobenzene		ND		11	36
Benzaldehyde		ND		11	36
Benzo[a]anthracene		ND		11	36
Benzo[a]pyrene		ND		11	36
Benzo[b]fluoranthene		ND		11	36
Benzo[g,h,i]perylene		ND		11	36
Benzo[k]fluoranthene		ND		11	36
Benzoic acid		ND		16	180

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Client Sample ID: **OC-SB-452-13/15-XXX**

Lab Sample ID: 360-24365-9
Client Matrix: Solid
% Moisture: 8.0

Date Sampled: 08/31/2009 1100
Date Received: 08/31/2009 1745

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10457.D
Dilution:	1.0			Initial Weight/Volume:	30.03 g
Date Analyzed:	09/22/2009 0144			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		11	36
Benzyl alcohol		ND		31	72
Bis(2-chloroethoxy)methane		ND		11	36
Bis(2-chloroethyl)ether		ND		11	36
Bis(2-ethylhexyl) phthalate		23	J	11	36
Butyl benzyl phthalate		ND		11	36
Caprolactam		ND		11	36
Carbazole		ND		11	36
Chrysene		ND		11	36
Dibenz(a,h)anthracene		ND		11	36
Dibenzofuran		ND		11	36
Diethyl phthalate		ND		11	36
Dimethyl phthalate		ND		11	36
Di-n-butyl phthalate		ND		32	36
Di-n-octyl phthalate		ND		18	36
Diphenyl oxide		ND		11	36
Fluoranthene		ND		11	36
Fluorene		ND		11	36
Hexachlorobenzene		ND		11	36
Hexachlorobutadiene		ND		11	36
Hexachlorocyclopentadiene		ND		11	72
Hexachloroethane		ND		11	36
Indeno[1,2,3-cd]pyrene		ND		11	36
Isophorone		ND		11	36
Naphthalene		ND		11	87
Nitrobenzene		ND		11	36
N-Nitrosodimethylamine		ND		13	36
N-Nitrosodi-n-propylamine		ND		11	36
N-Nitrosodiphenylamine		ND		11	36
Pentachlorophenol		ND		11	36
Phenanthrene		ND		11	43
Phenol		ND		11	36
Pyrene		ND		11	36

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	58		30 - 130
2-Fluorobiphenyl	56		30 - 130
2-Fluorophenol	68		30 - 130
Nitrobenzene-d5	64		30 - 130
Phenol-d5	69		30 - 130
Terphenyl-d14	57		30 - 130

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Client Sample ID: **OC-SB-452-13/15-XXX**

Lab Sample ID: 360-24365-9
Client Matrix: Solid
% Moisture: 8.0

Date Sampled: 08/31/2009 1100
Date Received: 08/31/2009 1745

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10457.D
Dilution:	1.0			Initial Weight/Volume:	30.03 g
Date Analyzed:	09/22/2009 0144			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
596-85-0	1-Naphthalenepropanol, .alpha.-ethenylde	12.78	35	T J N
593-45-3	Octadecane	13.65	11	T J N
629-92-5	Nonadecane	14.26	15	T J N
638-67-5	Tricosane	14.98	17	T J N
112-95-8	Eicosane	16.12	16	T J N
112-84-5	Erucylamide	16.61	65	T J N

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Client Sample ID: **OC-SB-458-22/24-XXX**

Lab Sample ID: 360-24365-14
Client Matrix: Solid
% Moisture: 8.0

Date Sampled: 08/31/2009 1630
Date Received: 09/01/2009 1715

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10460.D
Dilution:	1.0			Initial Weight/Volume:	30.42 g
Date Analyzed:	09/22/2009 0317			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		11	36
1,2,4,5-Tetrachlorobenzene		ND		11	36
1,2,4-Trichlorobenzene		ND		11	36
1,2-Dichlorobenzene		ND		11	36
1,3-Dichlorobenzene		ND		11	36
1,4-Dichlorobenzene		ND		11	36
1-Methylnaphthalene		ND		11	36
2,2'-oxybis[1-chloropropane]		ND		11	36
2,3,4,6-Tetrachlorophenol		ND		11	36
2,4,5-Trichlorophenol		ND		11	36
2,4,6-Trichlorophenol		ND		11	36
2,4-Dichlorophenol		ND		11	36
2,4-Dimethylphenol		ND		14	36
2,4-Dinitrophenol		ND		11	36
2,4-Dinitrotoluene		ND		11	36
2,6-Dinitrotoluene		ND		11	36
2-Chloronaphthalene		ND		11	36
2-Chlorophenol		ND		11	36
2-Methylnaphthalene		ND		11	36
2-Methylphenol		ND		21	36
2-Nitroaniline		ND		11	180
2-Nitrophenol		ND		11	36
3 & 4 Methylphenol		ND		11	36
3,3'-Dichlorobenzidine		ND		11	71
3-Nitroaniline		ND		11	180
4,6-Dinitro-2-methylphenol		ND		11	180
4-Bromophenyl phenyl ether		ND		11	36
4-Chloro-3-methylphenol		ND		11	71
4-Chloroaniline		ND		11	71
4-Chlorophenyl phenyl ether		ND		11	36
4-Nitroaniline		ND		11	180
4-Nitrophenol		ND		11	180
Acenaphthene		ND		11	36
Acenaphthylene		ND		11	36
Acetophenone		ND		11	36
Aniline		ND	*	11	36
Anthracene		ND		11	36
Atrazine		ND		11	36
Azobenzene		ND		11	36
Benzaldehyde		ND		11	36
Benzo[a]anthracene		ND		11	36
Benzo[a]pyrene		ND		11	36
Benzo[b]fluoranthene		ND		11	36
Benzo[g,h,i]perylene		ND		11	36
Benzo[k]fluoranthene		ND		11	36
Benzoic acid		ND		16	180

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Client Sample ID: **OC-SB-458-22/24-XXX**

Lab Sample ID: 360-24365-14
Client Matrix: Solid
% Moisture: 8.0

Date Sampled: 08/31/2009 1630
Date Received: 09/01/2009 1715

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10460.D
Dilution:	1.0			Initial Weight/Volume:	30.42 g
Date Analyzed:	09/22/2009 0317			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		11	36
Benzyl alcohol		ND		30	71
Bis(2-chloroethoxy)methane		ND		11	36
Bis(2-chloroethyl)ether		ND		11	36
Bis(2-ethylhexyl) phthalate		ND		11	36
Butyl benzyl phthalate		ND		11	36
Caprolactam		ND		11	36
Carbazole		ND		11	36
Chrysene		ND		11	36
Dibenz(a,h)anthracene		ND		11	36
Dibenzofuran		ND		11	36
Diethyl phthalate		ND		11	36
Dimethyl phthalate		ND		11	36
Di-n-butyl phthalate		ND		31	36
Di-n-octyl phthalate		ND		18	36
Diphenyl oxide		ND		11	36
Fluoranthene		ND		11	36
Fluorene		ND		11	36
Hexachlorobenzene		ND		11	36
Hexachlorobutadiene		ND		11	36
Hexachlorocyclopentadiene		ND		11	71
Hexachloroethane		ND		11	36
Indeno[1,2,3-cd]pyrene		ND		11	36
Isophorone		ND		11	36
Naphthalene		ND		11	86
Nitrobenzene		ND		11	36
N-Nitrosodimethylamine		ND		13	36
N-Nitrosodi-n-propylamine		ND		11	36
N-Nitrosodiphenylamine		ND		11	36
Pentachlorophenol		ND		11	36
Phenanthrene		ND		11	43
Phenol		ND		11	36
Pyrene		ND		11	36

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	57		30 - 130
2-Fluorobiphenyl	53		30 - 130
2-Fluorophenol	65		30 - 130
Nitrobenzene-d5	62		30 - 130
Phenol-d5	66		30 - 130
Terphenyl-d14	56		30 - 130

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Client Sample ID: **OC-SB-458-22/24-XXX**

Lab Sample ID: 360-24365-14
Client Matrix: Solid
% Moisture: 8.0

Date Sampled: 08/31/2009 1630
Date Received: 09/01/2009 1715

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10460.D
Dilution:	1.0			Initial Weight/Volume:	30.42 g
Date Analyzed:	09/22/2009 0317			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
128-37-0	Butylated Hydroxytoluene	10.48	24	T J N
27193-28-8	Phenol, (1,1,3,3-tetramethylbutyl)-	10.93	20	T J N
615-22-5	Benzothiazole, 2-(methylthio)-	11.07	37	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	11.43	28	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	11.85	21	T J N
596-85-0	1-Naphthalenepropanol, .alpha.-ethenylde	12.79	120	T J N
629-99-2	Pentacosane	14.98	16	T J N
638-67-5	Tricosane	15.61	20	T J N
630-6-8	Hexatriacontane	16.12	23	T J N
630-3-5	Nonacosane	16.64	16	T J N

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Client Sample ID: **OC-SB-460-30/32-XXX**

Lab Sample ID: 360-24365-17
Client Matrix: Solid
% Moisture: 9.6

Date Sampled: 09/01/2009 1040
Date Received: 09/01/2009 1715

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10463.D
Dilution:	1.0			Initial Weight/Volume:	30.15 g
Date Analyzed:	09/22/2009 0450			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		11	37
1,2,4,5-Tetrachlorobenzene		ND		11	37
1,2,4-Trichlorobenzene		ND		11	37
1,2-Dichlorobenzene		ND		11	37
1,3-Dichlorobenzene		ND		11	37
1,4-Dichlorobenzene		ND		11	37
1-Methylnaphthalene		ND		11	37
2,2'-oxybis[1-chloropropane]		ND		11	37
2,3,4,6-Tetrachlorophenol		ND		11	37
2,4,5-Trichlorophenol		ND		11	37
2,4,6-Trichlorophenol		ND		11	37
2,4-Dichlorophenol		ND		11	37
2,4-Dimethylphenol		ND		14	37
2,4-Dinitrophenol		ND		11	37
2,4-Dinitrotoluene		ND		11	37
2,6-Dinitrotoluene		ND		11	37
2-Chloronaphthalene		ND		11	37
2-Chlorophenol		ND		11	37
2-Methylnaphthalene		ND		11	37
2-Methylphenol		ND		22	37
2-Nitroaniline		ND		11	180
2-Nitrophenol		ND		11	37
3 & 4 Methylphenol		ND		11	37
3,3'-Dichlorobenzidine		ND		11	73
3-Nitroaniline		ND		11	180
4,6-Dinitro-2-methylphenol		ND		11	180
4-Bromophenyl phenyl ether		ND		11	37
4-Chloro-3-methylphenol		ND		11	73
4-Chloroaniline		ND		11	73
4-Chlorophenyl phenyl ether		ND		11	37
4-Nitroaniline		ND		11	180
4-Nitrophenol		ND		11	180
Acenaphthene		ND		11	37
Acenaphthylene		ND		11	37
Acetophenone		ND		11	37
Aniline		ND	*	11	37
Anthracene		ND		11	37
Atrazine		ND		11	37
Azobenzene		ND		11	37
Benzaldehyde		ND		11	37
Benzo[a]anthracene		ND		11	37
Benzo[a]pyrene		ND		11	37
Benzo[b]fluoranthene		ND		11	37
Benzo[g,h,i]perylene		ND		11	37
Benzo[k]fluoranthene		ND		11	37
Benzoic acid		ND		17	180

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Client Sample ID: **OC-SB-460-30/32-XXX**

Lab Sample ID: 360-24365-17
Client Matrix: Solid
% Moisture: 9.6

Date Sampled: 09/01/2009 1040
Date Received: 09/01/2009 1715

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10463.D
Dilution:	1.0			Initial Weight/Volume:	30.15 g
Date Analyzed:	09/22/2009 0450			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		11	37
Benzyl alcohol		ND		31	73
Bis(2-chloroethoxy)methane		ND		11	37
Bis(2-chloroethyl)ether		ND		11	37
Bis(2-ethylhexyl) phthalate		22	J	11	37
Butyl benzyl phthalate		ND		11	37
Caprolactam		ND		11	37
Carbazole		ND		11	37
Chrysene		ND		11	37
Dibenz(a,h)anthracene		ND		11	37
Dibenzofuran		ND		11	37
Diethyl phthalate		ND		11	37
Dimethyl phthalate		ND		11	37
Di-n-butyl phthalate		ND		32	37
Di-n-octyl phthalate		ND		18	37
Diphenyl oxide		17	J	11	37
Fluoranthene		ND		11	37
Fluorene		ND		11	37
Hexachlorobenzene		ND		11	37
Hexachlorobutadiene		ND		11	37
Hexachlorocyclopentadiene		ND		11	73
Hexachloroethane		ND		11	37
Indeno[1,2,3-cd]pyrene		ND		11	37
Isophorone		ND		11	37
Naphthalene		ND		11	88
Nitrobenzene		ND		11	37
N-Nitrosodimethylamine		ND		13	37
N-Nitrosodi-n-propylamine		ND		11	37
N-Nitrosodiphenylamine		ND		11	37
Pentachlorophenol		ND		11	37
Phenanthrene		ND		11	44
Phenol		ND		11	37
Pyrene		ND		11	37

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	53		30 - 130
2-Fluorobiphenyl	56		30 - 130
2-Fluorophenol	68		30 - 130
Nitrobenzene-d5	65		30 - 130
Phenol-d5	69		30 - 130
Terphenyl-d14	62		30 - 130

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Client Sample ID: **OC-SB-460-30/32-XXX**

Lab Sample ID: 360-24365-17
Client Matrix: Solid
% Moisture: 9.6

Date Sampled: 09/01/2009 1040
Date Received: 09/01/2009 1715

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10463.D
Dilution:	1.0			Initial Weight/Volume:	30.15 g
Date Analyzed:	09/22/2009 0450			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	

Tentatively Identified Compounds **Number TIC's Found:** **9**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
59242-27-2	Furan, 2,5-dihydro-2,5-dimethyl-	5.81	13	T J N
288-88-0	1H-1,2,4-Triazole	7.37	74	T J N
128-37-0	Butylated Hydroxytoluene	10.48	20	T J N
615-22-5	Benzothiazole, 2-(methylthio)-	11.07	32	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	11.43	23	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	11.85	16	T J N
112-39-0	Hexadecanoic acid, methyl ester	12.02	11	T J N
112-61-8	Octadecanoic acid, methyl ester	12.81	55	T J N
593-45-3	Octadecane	15.61	16	T J N

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Client Sample ID: **OC-SB-442-20/22-XXX**

Lab Sample ID: 360-24365-2
Client Matrix: Solid
% Moisture: 6.9

Date Sampled: 08/31/2009 1320
Date Received: 08/31/2009 1745

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49582		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49527		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.94 g
Date Analyzed:	09/28/2009 1340			Final Weight/Volume:	100 mL
Date Prepared:	09/28/2009 0810				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4600		0.72	2.8
Antimony		ND		0.20	0.55
Arsenic		2.6		0.10	1.1
Barium		14		0.072	0.55
Beryllium		0.14	J	0.028	0.22
Cadmium		0.16	J	0.0078	0.22
Calcium		1500	B	2.8	11
Chromium		13	B	0.074	0.55
Cobalt		6.0		0.072	0.55
Copper		15		0.072	1.1
Iron		9700	B	0.88	5.5
Lead		1.5		0.063	0.55
Magnesium		2700	B	0.55	11
Manganese		93		0.074	1.1
Nickel		9.0		0.072	1.1
Potassium		1100		35	220
Selenium		ND		0.26	0.55
Silver		ND		0.056	0.55
Sodium		61	J	14	110
Thallium		ND		0.080	1.1
Vanadium		13		0.072	1.1
Zinc		12		0.65	2.8
Tin		4.2	J ^ B	0.35	5.5

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Client Sample ID: **OC-SB-447-18/20-XXX**

Lab Sample ID: 360-24365-6
Client Matrix: Solid
% Moisture: 9.4

Date Sampled: 08/31/2009 0905
Date Received: 08/31/2009 1745

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49582		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49527		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.63 g
Date Analyzed:	09/28/2009 1343			Final Weight/Volume:	100 mL
Date Prepared:	09/28/2009 0810				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7400		0.88	3.4
Antimony		ND		0.25	0.68
Arsenic		3.9		0.12	1.4
Barium		30		0.088	0.68
Beryllium		0.22	J	0.034	0.27
Cadmium		0.22	J	0.0095	0.27
Calcium		2000	B	3.4	14
Chromium		12	B	0.090	0.68
Cobalt		6.0		0.088	0.68
Copper		26		0.088	1.4
Iron		15000	B	1.1	6.8
Lead		1.4		0.077	0.68
Magnesium		3500	B	0.68	14
Manganese		93		0.090	1.4
Nickel		9.8		0.088	1.4
Potassium		1900		42	270
Selenium		ND		0.32	0.68
Silver		ND		0.068	0.68
Sodium		61	J	18	140
Thallium		ND		0.098	1.4
Vanadium		19		0.088	1.4
Zinc		22		0.80	3.4
Tin		3.6	J ^ B	0.43	6.8

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-49362		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-49278		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.30 g
Date Analyzed:	09/23/2009 1042			Final Weight/Volume:	50 mL
Date Prepared:	09/22/2009 0907				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.025	0.14

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Client Sample ID: **OC-SB-452-13/15-XXX**

Lab Sample ID: 360-24365-9
Client Matrix: Solid
% Moisture: 8.0

Date Sampled: 08/31/2009 1100
Date Received: 08/31/2009 1745

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49582		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49527		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.57 g
Date Analyzed:	09/28/2009 1346			Final Weight/Volume:	100 mL
Date Prepared:	09/28/2009 0810				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7300		0.90	3.5
Antimony		ND		0.25	0.69
Arsenic		7.8		0.13	1.4
Barium		24		0.090	0.69
Beryllium		0.21	J	0.035	0.28
Cadmium		0.23	J	0.0097	0.28
Calcium		3200	B	3.5	14
Chromium		17	B	0.092	0.69
Cobalt		7.2		0.090	0.69
Copper		29		0.090	1.4
Iron		15000	B	1.1	6.9
Lead		2.5		0.079	0.69
Magnesium		3200	B	0.69	14
Manganese		110		0.092	1.4
Nickel		13		0.090	1.4
Potassium		1000		43	280
Selenium		ND		0.32	0.69
Silver		ND		0.070	0.69
Sodium		130	J	18	140
Thallium		ND		0.10	1.4
Vanadium		30		0.090	1.4
Zinc		20		0.81	3.5
Tin		5.5	J ^ B	0.44	6.9

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Client Sample ID: **OC-SB-458-22/24-XXX**

Lab Sample ID: 360-24365-14
Client Matrix: Solid
% Moisture: 8.0

Date Sampled: 08/31/2009 1630
Date Received: 09/01/2009 1715

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49582		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49527		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.77 g
Date Analyzed:	09/28/2009 1349			Final Weight/Volume:	100 mL
Date Prepared:	09/28/2009 0810				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5800		0.80	3.1
Antimony		ND		0.22	0.61
Arsenic		3.5		0.11	1.2
Barium		16		0.080	0.61
Beryllium		0.18	J	0.031	0.25
Cadmium		0.14	J	0.0086	0.25
Calcium		1500	B	3.1	12
Chromium		13	B	0.082	0.61
Cobalt		4.0		0.080	0.61
Copper		11		0.080	1.2
Iron		10000	B	0.98	6.1
Lead		1.5		0.070	0.61
Magnesium		2600	B	0.61	12
Manganese		85		0.082	1.2
Nickel		8.2		0.080	1.2
Potassium		1100		38	250
Selenium		ND		0.29	0.61
Silver		ND		0.062	0.61
Sodium		68	J	16	120
Thallium		ND		0.089	1.2
Vanadium		13		0.080	1.2
Zinc		16		0.72	3.1
Tin		4.2	J ^ B	0.39	6.1

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Client Sample ID: **OC-SB-460-30/32-XXX**

Lab Sample ID: 360-24365-17
Client Matrix: Solid
% Moisture: 9.6

Date Sampled: 09/01/2009 1040
Date Received: 09/01/2009 1715

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-50204		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-50159		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.85 g
Date Analyzed:	10/12/2009 1720			Final Weight/Volume:	100 mL
Date Prepared:	10/12/2009 0852				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5900		0.78	3.0
Antimony		ND		0.22	0.60
Arsenic		3.9		0.11	1.2
Barium		24		0.078	0.60
Beryllium		0.19	J	0.030	0.24
Cadmium		0.28		0.0084	0.24
Calcium		1900	B	3.0	12
Chromium		120		0.080	0.60
Cobalt		5.3		0.078	0.60
Copper		19		0.078	1.2
Iron		13000	B	0.95	6.0
Lead		1.4		0.068	0.60
Magnesium		3300	B	0.60	12
Manganese		96		0.080	1.2
Nickel		9.9		0.078	1.2
Potassium		1400		37	240
Selenium		ND		0.28	0.60
Silver		1.5		0.060	0.60
Sodium		68	J	16	120
Thallium		ND		0.086	1.2
Vanadium		19		0.078	1.2
Zinc		17		0.70	3.0
Tin		50	^ B	0.38	6.0

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Surrogate Recovery Report

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
360-24365-2	OC-SB-442-20/22-XXX	66	57	71	64	55	87
360-24365-6 DL	OC-SB-447-18/20-XXX DL	80	74	75	74	69	87
360-24365-6	OC-SB-447-18/20-XXX	70	57	69	54	56	69
360-24365-9	OC-SB-452-13/15-XXX	68	69	64	56	58	57
360-24365-14	OC-SB-458-22/24-XXX	65	66	62	53	57	56
360-24365-17	OC-SB-460-30/32-XXX	68	69	65	56	53	62
MB 360-48742/1-A		84	83	76	72	77	82
MB 360-48854/1-A		89	91	83	71	71	72
LCS 360-48742/2-A		67	71	62	79	86	76
LCS 360-48854/2-A		64	67	58	68	71	57
LCSD 360-48742/3-A		67	69	63	77	83	74
LCSD 360-48854/3-A		62	65	57	67	70	60

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	30-130
PHL = Phenol-d5	30-130
NBZ = Nitrobenzene-d5	30-130
FBP = 2-Fluorobiphenyl	30-130
TBP = 2,4,6-Tribromophenol	30-130
TPH = Terphenyl-d14	30-130

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Method Blank - Batch: 360-48742

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-48742/1-A	Analysis Batch:	360-49189	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48742	Lab File ID:	B10411.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/18/2009 2151			Final Weight/Volume:	1.0 mL
Date Prepared:	09/09/2009 0958			Injection Volume:	

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		10	33
1,2,4,5-Tetrachlorobenzene	ND		10	33
1,2,4-Trichlorobenzene	ND		10	33
1,2,4-Trichlorobenzene	ND		10	33
1,2-Dichlorobenzene	ND		10	33
1,2-Dichlorobenzene	ND		10	33
1,3-Dichlorobenzene	ND		10	33
1,3-Dichlorobenzene	ND		10	33
1,4-Dichlorobenzene	ND		10	33
1,4-Dichlorobenzene	ND		10	33
1-Methylnaphthalene	ND		10	33
2,2'-oxybis[1-chloropropane]	ND		10	33
2,3,4,6-Tetrachlorophenol	ND		10	33
2,4,5-Trichlorophenol	ND		10	33
2,4,5-Trichlorophenol	ND		10	33
2,4,6-Trichlorophenol	ND		10	33
2,4,6-Trichlorophenol	ND		10	33
2,4-Dichlorophenol	ND		10	33
2,4-Dichlorophenol	ND		10	33
2,4-Dimethylphenol	ND		13	33
2,4-Dimethylphenol	ND		13	33
2,4-Dinitrophenol	ND		10	33
2,4-Dinitrophenol	ND		10	33
2,4-Dinitrotoluene	ND		10	33
2,4-Dinitrotoluene	ND		10	33
2,6-Dinitrotoluene	ND		10	33
2,6-Dinitrotoluene	ND		10	33
2-Chloronaphthalene	ND		10	33
2-Chloronaphthalene	ND		10	33
2-Chlorophenol	ND		10	33
2-Chlorophenol	ND		10	33
2-Methylnaphthalene	ND		10	33
2-Methylnaphthalene	ND		10	33
2-Methylphenol	ND		20	33
2-Methylphenol	ND		20	33
2-Nitroaniline	ND		10	170
2-Nitroaniline	ND		10	170
2-Nitrophenol	ND		10	33
2-Nitrophenol	ND		10	33
3 & 4 Methylphenol	ND		10	33
3 & 4 Methylphenol	ND		10	33

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Method Blank - Batch: 360-48742

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-48742/1-A	Analysis Batch:	360-49189	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48742	Lab File ID:	B10411.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/18/2009 2151			Final Weight/Volume:	1.0 mL
Date Prepared:	09/09/2009 0958			Injection Volume:	

Analyte	Result	Qual	MDL	RL
3,3'-Dichlorobenzidine	ND		10	67
3,3'-Dichlorobenzidine	ND		10	67
3-Nitroaniline	ND		10	170
3-Nitroaniline	ND		10	170
4,6-Dinitro-2-methylphenol	ND		10	170
4,6-Dinitro-2-methylphenol	ND		10	170
4-Bromophenyl phenyl ether	ND		10	33
4-Bromophenyl phenyl ether	ND		10	33
4-Chloro-3-methylphenol	ND		10	67
4-Chloro-3-methylphenol	ND		10	67
4-Chloroaniline	ND		10	67
4-Chloroaniline	ND		10	67
4-Chlorophenyl phenyl ether	ND		10	33
4-Chlorophenyl phenyl ether	ND		10	33
4-Nitroaniline	ND		10	170
4-Nitroaniline	ND		10	170
4-Nitrophenol	ND		10	170
4-Nitrophenol	ND		10	170
Acenaphthene	ND		10	33
Acenaphthene	ND		10	33
Acenaphthylene	ND		10	33
Acenaphthylene	ND		10	33
Acetophenone	ND		10	33
Acetophenone	ND		10	33
Aniline	ND		10	33
Aniline	ND		10	33
Anthracene	ND		10	33
Anthracene	ND		10	33
Atrazine	ND		10	33
Azobenzene	ND		10	33
Benzaldehyde	ND		10	33
Benzo[a]anthracene	ND		10	33
Benzo[a]anthracene	ND		10	33
Benzo[a]pyrene	ND		10	33
Benzo[a]pyrene	ND		10	33
Benzo[b]fluoranthene	ND		10	33
Benzo[b]fluoranthene	ND		10	33
Benzo[g,h,i]perylene	ND		10	33
Benzo[g,h,i]perylene	ND		10	33
Benzo[k]fluoranthene	ND		10	33
Benzo[k]fluoranthene	ND		10	33

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Method Blank - Batch: 360-48742

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-48742/1-A	Analysis Batch:	360-49189	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48742	Lab File ID:	B10411.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/18/2009 2151			Final Weight/Volume:	1.0 mL
Date Prepared:	09/09/2009 0958			Injection Volume:	

Analyte	Result	Qual	MDL	RL
Benzoic acid	44.0	J	15	170
Benzoic acid	54.0	J	15	170
Benzophenone	ND		10	33
Benzyl alcohol	ND		28	67
Benzyl alcohol	ND		28	67
Bis(2-chloroethoxy)methane	ND		10	33
Bis(2-chloroethoxy)methane	ND		10	33
Bis(2-chloroethyl)ether	ND		10	33
Bis(2-chloroethyl)ether	ND		10	33
Bis(2-ethylhexyl) phthalate	ND		10	33
Bis(2-ethylhexyl) phthalate	ND		10	33
Butyl benzyl phthalate	ND		10	33
Butyl benzyl phthalate	ND		10	33
Caprolactam	ND		10	33
Carbazole	ND		10	33
Carbazole	ND		10	33
Chrysene	ND		10	33
Chrysene	ND		10	33
Dibenz(a,h)anthracene	ND		10	33
Dibenz(a,h)anthracene	ND		10	33
Dibenzofuran	ND		10	33
Dibenzofuran	ND		10	33
Diethyl phthalate	ND		10	33
Diethyl phthalate	ND		10	33
Dimethyl phthalate	ND		10	33
Dimethyl phthalate	ND		10	33
Di-n-butyl phthalate	86.9		29	33
Di-n-butyl phthalate	86.9		29	33
Di-n-octyl phthalate	ND		17	33
Di-n-octyl phthalate	ND		17	33
Diphenyl oxide	ND		10	33
Fluoranthene	ND		10	33
Fluoranthene	ND		10	33
Fluorene	ND		10	33
Fluorene	ND		10	33
Hexachlorobenzene	ND		10	33
Hexachlorobenzene	ND		10	33
Hexachlorobutadiene	ND		10	33
Hexachlorobutadiene	ND		10	33
Hexachlorocyclopentadiene	ND		10	67
Hexachlorocyclopentadiene	ND		10	67

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Method Blank - Batch: 360-48742

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-48742/1-A	Analysis Batch:	360-49189	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48742	Lab File ID:	B10411.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/18/2009 2151			Final Weight/Volume:	1.0 mL
Date Prepared:	09/09/2009 0958			Injection Volume:	

Analyte	Result	Qual	MDL	RL
Hexachloroethane	ND		10	33
Hexachloroethane	ND		10	33
Indeno[1,2,3-cd]pyrene	ND		10	33
Indeno[1,2,3-cd]pyrene	ND		10	33
Isophorone	ND		10	33
Isophorone	ND		10	33
Naphthalene	ND		10	80
Naphthalene	ND		10	80
Nitrobenzene	ND		10	33
Nitrobenzene	ND		10	33
N-Nitrosodimethylamine	ND		12	33
N-Nitrosodimethylamine	ND		12	33
N-Nitrosodi-n-propylamine	ND		10	33
N-Nitrosodi-n-propylamine	ND		10	33
N-Nitrosodiphenylamine	ND		10	33
N-Nitrosodiphenylamine	ND		10	33
Pentachlorophenol	ND		10	33
Pentachlorophenol	ND		10	33
Phenanthrene	ND		10	40
Phenanthrene	ND		10	40
Phenol	ND		10	33
Phenol	ND		10	33
Pyrene	ND		10	33
Pyrene	ND		10	33

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	77	30 - 130
2-Fluorobiphenyl	72	30 - 130
2-Fluorophenol	84	30 - 130
Nitrobenzene-d5	76	30 - 130
Phenol-d5	83	30 - 130
Terphenyl-d14	82	30 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Method Blank TICs- Batch: 360-48742

Cas Number	Analyte	RT	Est. Result	Qual
621-59-0	Benzaldehyde, 3-hydroxy-4-methoxy-	10.24	13.8	T J N
111-82-0	Dodecanoic acid, methyl ester	10.68	11.8	T J N
615-22-5	Benzothiazole, 2-(methylthio)-	11.28	9.34	T J N
593-45-3	Octadecane	11.78	42.2	T J N
1000143-92-4	7,9-Di-tert-butyl-1-oxaspiro(4,5)deca-6,	12.29	12.7	T J N
112-95-8	Eicosane	12.53	20.7	T J N

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48742

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID: LCS 360-48742/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/18/2009 2222
Date Prepared: 09/09/2009 0958

Analysis Batch: 360-49189
Prep Batch: 360-48742
Units: ug/Kg

Instrument ID: Agilent 6890/5973 GC/MS
Lab File ID: B10412.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 360-48742/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/18/2009 2254
Date Prepared: 09/09/2009 0958

Analysis Batch: 360-49189
Prep Batch: 360-48742
Units: ug/Kg

Instrument ID: Agilent 6890/5973 GC/MS
Lab File ID: B10413.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1'-Biphenyl	82	83	40 - 140	0	30		
1,2,4,5-Tetrachlorobenzene	66	68	40 - 140	2	30		
1,2,4-Trichlorobenzene	68	69	40 - 140	1	30		
1,2,4-Trichlorobenzene	68	69	40 - 140	1	30		
1,2-Dichlorobenzene	62	62	40 - 140	1	30		
1,2-Dichlorobenzene	62	62	40 - 140	1	30		
1,3-Dichlorobenzene	60	61	40 - 140	1	30		
1,3-Dichlorobenzene	60	61	40 - 140	1	30		
1,4-Dichlorobenzene	60	60	40 - 140	0	30		
1,4-Dichlorobenzene	60	60	40 - 140	0	30		
1-Methylnaphthalene	67	67	40 - 140	1	30		
2,2'-oxybis[1-chloropropane]	64	64	40 - 140	1	30		
2,3,4,6-Tetrachlorophenol	75	72	40 - 140	3	30		
2,4,5-Trichlorophenol	95	96	30 - 130	0	30		
2,4,5-Trichlorophenol	95	96	30 - 130	0	30		
2,4,6-Trichlorophenol	95	93	30 - 130	2	30		
2,4,6-Trichlorophenol	95	93	30 - 130	2	30		
2,4-Dichlorophenol	80	83	30 - 130	3	30		
2,4-Dichlorophenol	80	83	30 - 130	3	30		
2,4-Dimethylphenol	86	86	30 - 130	1	30		
2,4-Dimethylphenol	86	103	30 - 130	1	30		
2,4-Dimethylphenol	102	86	30 - 130	1	30		
2,4-Dimethylphenol	102	103	30 - 130	1	30		
2,4-Dinitrophenol	45	41	30 - 130	9	30		
2,4-Dinitrophenol	45	41	30 - 130	9	30		
2,4-Dinitrotoluene	81	79	40 - 140	2	30		
2,4-Dinitrotoluene	81	79	40 - 140	2	30		
2,6-Dinitrotoluene	86	86	40 - 140	1	30		
2,6-Dinitrotoluene	86	86	40 - 140	1	30		
2-Chloronaphthalene	66	66	40 - 140	0	30		
2-Chloronaphthalene	66	66	40 - 140	0	30		
2-Chlorophenol	67	68	30 - 130	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48742

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48742/2-A	Analysis Batch: 360-49189	Instrument ID: Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch: 360-48742	Lab File ID: B10412.D
Dilution:	1.0	Units: ug/Kg	Initial Weight/Volume: 30.00 g
Date Analyzed:	09/18/2009 2222		Final Weight/Volume: 1.0 mL
Date Prepared:	09/09/2009 0958		Injection Volume:

LCSD Lab Sample ID:	LCSD 360-48742/3-A	Analysis Batch: 360-49189	Instrument ID: Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch: 360-48742	Lab File ID: B10413.D
Dilution:	1.0	Units: ug/Kg	Initial Weight/Volume: 30.00 g
Date Analyzed:	09/18/2009 2254		Final Weight/Volume: 1.0 mL
Date Prepared:	09/09/2009 0958		Injection Volume:

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2-Chlorophenol	67	68	30 - 130	1	30		
2-Methylnaphthalene	68	68	40 - 140	1	30		
2-Methylnaphthalene	68	79	40 - 140	2	30		
2-Methylnaphthalene	78	68	40 - 140	1	30		
2-Methylnaphthalene	78	79	40 - 140	2	30		
2-Methylphenol	70	73	30 - 130	4	30		
2-Methylphenol	70	73	30 - 130	4	30		
2-Nitroaniline	90	87	40 - 140	3	30		
2-Nitroaniline	90	87	40 - 140	3	30		
2-Nitrophenol	80	81	30 - 130	1	30		
2-Nitrophenol	80	81	30 - 130	1	30		
3 & 4 Methylphenol	73	73	30 - 130	0	30		
3 & 4 Methylphenol	73	73	30 - 130	0	30		
3,3'-Dichlorobenzidine	32	33	40 - 140	3	30	*	*
3,3'-Dichlorobenzidine	32	33	40 - 140	3	30	*	*
3-Nitroaniline	89	89	40 - 140	0	30		
3-Nitroaniline	89	89	40 - 140	0	30		
4,6-Dinitro-2-methylphenol	72	66	30 - 130	8	30		
4,6-Dinitro-2-methylphenol	72	66	30 - 130	8	30		
4-Bromophenyl phenyl ether	87	88	40 - 140	1	30		
4-Bromophenyl phenyl ether	87	88	40 - 140	1	30		
4-Chloro-3-methylphenol	86	87	30 - 130	1	30		
4-Chloro-3-methylphenol	86	87	30 - 130	1	30		
4-Chloroaniline	70	73	40 - 140	4	30		
4-Chloroaniline	70	74	40 - 140	3	30		
4-Chloroaniline	72	73	40 - 140	4	30		
4-Chloroaniline	72	74	40 - 140	3	30		
4-Chlorophenyl phenyl ether	86	86	40 - 140	0	30		
4-Chlorophenyl phenyl ether	86	86	40 - 140	0	30		
4-Nitroaniline	86	86	40 - 140	0	30		
4-Nitroaniline	86	86	40 - 140	0	30		
4-Nitrophenol	94	94	30 - 130	0	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48742

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48742/2-A	Analysis Batch: 360-49189	Instrument ID: Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch: 360-48742	Lab File ID: B10412.D
Dilution:	1.0	Units: ug/Kg	Initial Weight/Volume: 30.00 g
Date Analyzed:	09/18/2009 2222		Final Weight/Volume: 1.0 mL
Date Prepared:	09/09/2009 0958		Injection Volume:

LCSD Lab Sample ID:	LCSD 360-48742/3-A	Analysis Batch: 360-49189	Instrument ID: Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch: 360-48742	Lab File ID: B10413.D
Dilution:	1.0	Units: ug/Kg	Initial Weight/Volume: 30.00 g
Date Analyzed:	09/18/2009 2254		Final Weight/Volume: 1.0 mL
Date Prepared:	09/09/2009 0958		Injection Volume:

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
4-Nitrophenol	94	94	30 - 130	0	30		
Acenaphthene	95	95	40 - 140	0	30		
Acenaphthene	95	95	40 - 140	0	30		
Acenaphthylene	84	84	40 - 140	0	30		
Acenaphthylene	84	84	40 - 140	0	30		
Acetophenone	67	67	40 - 140	0	30		
Acetophenone	67	67	40 - 140	0	30		
Aniline	30	32	40 - 140	6	30	*	*
Aniline	30	28	40 - 140	6	30	*	*
Aniline	27	32	40 - 140	6	30	*	*
Aniline	27	28	40 - 140	6	30	*	*
Anthracene	99	101	40 - 140	2	30		
Anthracene	99	101	40 - 140	2	30		
Atrazine	104	104	40 - 140	0	30		
Azobenzene	86	86	40 - 140	0	30		
Benzaldehyde	98	96	40 - 140	2	30		
Benzo[a]anthracene	102	103	40 - 140	1	30		
Benzo[a]anthracene	102	103	40 - 140	1	30		
Benzo[a]pyrene	97	99	40 - 140	1	30		
Benzo[a]pyrene	97	99	40 - 140	1	30		
Benzo[b]fluoranthene	94	94	40 - 140	1	30		
Benzo[b]fluoranthene	94	94	40 - 140	1	30		
Benzo[g,h,i]perylene	101	107	40 - 140	6	30		
Benzo[g,h,i]perylene	101	107	40 - 140	6	30		
Benzo[k]fluoranthene	102	103	40 - 140	2	30		
Benzo[k]fluoranthene	102	103	40 - 140	2	30		
Benzoic acid	30	25	30 - 130	20	30	J	J *
Benzoic acid	30	25	30 - 130	20	30	J	J *
Benzophenone	89	90	40 - 140	0	30		
Benzyl alcohol	79	81	30 - 130	2	30		
Benzyl alcohol	79	81	30 - 130	2	30		
Bis(2-chloroethoxy)methane	65	66	40 - 140	2	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48742

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48742/2-A	Analysis Batch: 360-49189	Instrument ID: Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch: 360-48742	Lab File ID: B10412.D
Dilution:	1.0	Units: ug/Kg	Initial Weight/Volume: 30.00 g
Date Analyzed:	09/18/2009 2222		Final Weight/Volume: 1.0 mL
Date Prepared:	09/09/2009 0958		Injection Volume:

LCSD Lab Sample ID:	LCSD 360-48742/3-A	Analysis Batch: 360-49189	Instrument ID: Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch: 360-48742	Lab File ID: B10413.D
Dilution:	1.0	Units: ug/Kg	Initial Weight/Volume: 30.00 g
Date Analyzed:	09/18/2009 2254		Final Weight/Volume: 1.0 mL
Date Prepared:	09/09/2009 0958		Injection Volume:

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Bis(2-chloroethoxy)methane	65	76	40 - 140	3	30		
Bis(2-chloroethoxy)methane	75	66	40 - 140	2	30		
Bis(2-chloroethoxy)methane	75	76	40 - 140	3	30		
Bis(2-chloroethyl)ether	62	61	40 - 140	1	30		
Bis(2-chloroethyl)ether	62	61	40 - 140	1	30		
Bis(2-ethylhexyl) phthalate	94	96	40 - 140	1	30		
Bis(2-ethylhexyl) phthalate	94	96	40 - 140	1	30		
Butyl benzyl phthalate	95	94	40 - 140	1	30		
Butyl benzyl phthalate	95	94	40 - 140	1	30		
Caprolactam	89	91	40 - 140	2	30		
Carbazole	94	93	40 - 140	1	30		
Carbazole	94	93	40 - 140	1	30		
Chrysene	99	99	40 - 140	1	30		
Chrysene	99	99	40 - 140	1	30		
Dibenz(a,h)anthracene	99	105	40 - 140	6	30		
Dibenz(a,h)anthracene	99	105	40 - 140	6	30		
Dibenzofuran	82	83	40 - 140	0	30		
Dibenzofuran	82	83	40 - 140	0	30		
Diethyl phthalate	87	87	40 - 140	0	30		
Diethyl phthalate	87	87	40 - 140	0	30		
Dimethyl phthalate	83	83	40 - 140	0	30		
Dimethyl phthalate	83	83	40 - 140	0	30		
Di-n-butyl phthalate	105	108	40 - 140	3	30		
Di-n-butyl phthalate	105	108	40 - 140	3	30		
Di-n-octyl phthalate	79	79	40 - 140	1	30		
Di-n-octyl phthalate	79	80	40 - 140	1	30		
Di-n-octyl phthalate	80	79	40 - 140	1	30		
Di-n-octyl phthalate	80	80	40 - 140	1	30		
Diphenyl oxide	68	68	40 - 140	0	30		
Fluoranthene	92	91	40 - 140	0	30		
Fluoranthene	92	91	40 - 140	0	30		
Fluorene	100	100	40 - 140	0	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48742

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID: LCS 360-48742/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/18/2009 2222
Date Prepared: 09/09/2009 0958

Analysis Batch: 360-49189
Prep Batch: 360-48742
Units: ug/Kg

Instrument ID: Agilent 6890/5973 GC/MS
Lab File ID: B10412.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 360-48742/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/18/2009 2254
Date Prepared: 09/09/2009 0958

Analysis Batch: 360-49189
Prep Batch: 360-48742
Units: ug/Kg

Instrument ID: Agilent 6890/5973 GC/MS
Lab File ID: B10413.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Fluorene	100	100	40 - 140	0	30		
Hexachlorobenzene	88	89	40 - 140	1	30		
Hexachlorobenzene	88	89	40 - 140	1	30		
Hexachlorobutadiene	62	62	40 - 140	0	30		
Hexachlorobutadiene	62	68	40 - 140	1	30		
Hexachlorobutadiene	68	62	40 - 140	0	30		
Hexachlorobutadiene	68	68	40 - 140	1	30		
Hexachlorocyclopentadiene	79	78	40 - 140	0	30		
Hexachlorocyclopentadiene	79	78	40 - 140	0	30		
Hexachloroethane	63	64	40 - 140	1	30		
Hexachloroethane	63	64	40 - 140	1	30		
Indeno[1,2,3-cd]pyrene	93	99	40 - 140	6	30		
Indeno[1,2,3-cd]pyrene	93	99	40 - 140	6	30		
Isophorone	60	61	40 - 140	2	30		
Isophorone	60	62	40 - 140	3	30		
Isophorone	61	61	40 - 140	2	30		
Isophorone	61	62	40 - 140	3	30		
Naphthalene	69	71	40 - 140	4	30		
Naphthalene	69	73	40 - 140	3	30		
Naphthalene	70	71	40 - 140	4	30		
Naphthalene	70	73	40 - 140	3	30		
Nitrobenzene	64	66	40 - 140	2	30		
Nitrobenzene	64	73	40 - 140	3	30		
Nitrobenzene	71	66	40 - 140	2	30		
Nitrobenzene	71	73	40 - 140	3	30		
N-Nitrosodimethylamine	70	70	40 - 140	0	30		
N-Nitrosodimethylamine	70	70	40 - 140	0	30		
N-Nitrosodi-n-propylamine	73	73	40 - 140	0	30		
N-Nitrosodi-n-propylamine	73	73	40 - 140	0	30		
N-Nitrosodiphenylamine	62	63	40 - 140	1	30		
N-Nitrosodiphenylamine	62	63	40 - 140	1	30		
Pentachlorophenol	73	72	30 - 130	2	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48742

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48742/2-A	Analysis Batch:	360-49189	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48742	Lab File ID:	B10412.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/18/2009 2222			Final Weight/Volume:	1.0 mL
Date Prepared:	09/09/2009 0958			Injection Volume:	

LCSD Lab Sample ID:	LCSD 360-48742/3-A	Analysis Batch:	360-49189	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48742	Lab File ID:	B10413.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/18/2009 2254			Final Weight/Volume:	1.0 mL
Date Prepared:	09/09/2009 0958			Injection Volume:	

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Pentachlorophenol	73	72	30 - 130	2	30		
Phenanthrene	90	91	40 - 140	1	30		
Phenanthrene	90	91	40 - 140	1	30		
Phenol	72	72	30 - 130	0	30		
Phenol	72	72	30 - 130	0	30		
Pyrene	93	93	40 - 140	0	30		
Pyrene	93	93	40 - 140	0	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	86	83	30 - 130
2-Fluorobiphenyl	79	77	30 - 130
2-Fluorophenol	67	67	30 - 130
Nitrobenzene-d5	62	63	30 - 130
Phenol-d5	71	69	30 - 130
Terphenyl-d14	76	74	30 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48742

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48742/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48742/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/18/2009 2222			Date Analyzed:	09/18/2009 2254
Date Prepared:	09/09/2009 0958			Date Prepared:	09/09/2009 0958

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1'-Biphenyl	333	333	275	275
1,2,4,5-Tetrachlorobenzene	333	333	220	225
1,2,4-Trichlorobenzene	333	333	228	231
1,2,4-Trichlorobenzene	333	333	228	231
1,2-Dichlorobenzene	333	333	208	207
1,2-Dichlorobenzene	333	333	208	207
1,3-Dichlorobenzene	333	333	200	202
1,3-Dichlorobenzene	333	333	200	202
1,4-Dichlorobenzene	333	333	201	200
1,4-Dichlorobenzene	333	333	201	200
1-Methylnaphthalene	333	333	222	225
2,2'-oxybis[1-chloropropane]	333	333	212	214
2,3,4,6-Tetrachlorophenol	333	333	249	241
2,4,5-Trichlorophenol	333	333	317	318
2,4,5-Trichlorophenol	333	333	317	318
2,4,6-Trichlorophenol	333	333	317	309
2,4,6-Trichlorophenol	333	333	317	309
2,4-Dichlorophenol	333	333	267	275
2,4-Dichlorophenol	333	333	267	275
2,4-Dimethylphenol	333	333	286	287
2,4-Dimethylphenol	333	333	286	343
2,4-Dimethylphenol	333	333	340	287
2,4-Dimethylphenol	333	333	340	343
2,4-Dinitrophenol	333	333	151	137
2,4-Dinitrophenol	333	333	151	137
2,4-Dinitrotoluene	333	333	270	265
2,4-Dinitrotoluene	333	333	270	265
2,6-Dinitrotoluene	333	333	288	286
2,6-Dinitrotoluene	333	333	288	286
2-Chloronaphthalene	333	333	222	221
2-Chloronaphthalene	333	333	222	221
2-Chlorophenol	333	333	224	227
2-Chlorophenol	333	333	224	227
2-Methylnaphthalene	333	333	225	228
2-Methylnaphthalene	333	333	225	264
2-Methylnaphthalene	333	333	260	228
2-Methylnaphthalene	333	333	260	264
2-Methylphenol	333	333	234	243
2-Methylphenol	333	333	234	243

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48742

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48742/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48742/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/18/2009 2222			Date Analyzed:	09/18/2009 2254
Date Prepared:	09/09/2009 0958			Date Prepared:	09/09/2009 0958

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
2-Nitroaniline	333	333	298		290	
2-Nitroaniline	333	333	298		290	
2-Nitrophenol	333	333	267		270	
2-Nitrophenol	333	333	267		270	
3 & 4 Methylphenol	333	333	245		244	
3 & 4 Methylphenol	333	333	245		244	
3,3'-Dichlorobenzidine	333	333	106	*	109	*
3,3'-Dichlorobenzidine	333	333	106	*	109	*
3-Nitroaniline	333	333	296		295	
3-Nitroaniline	333	333	296		295	
4,6-Dinitro-2-methylphenol	333	333	239		221	
4,6-Dinitro-2-methylphenol	333	333	239		221	
4-Bromophenyl phenyl ether	333	333	291		294	
4-Bromophenyl phenyl ether	333	333	291		294	
4-Chloro-3-methylphenol	333	333	285		289	
4-Chloro-3-methylphenol	333	333	285		289	
4-Chloroaniline	333	333	234		243	
4-Chloroaniline	333	333	234		247	
4-Chloroaniline	333	333	238		243	
4-Chloroaniline	333	333	238		247	
4-Chlorophenyl phenyl ether	333	333	286		287	
4-Chlorophenyl phenyl ether	333	333	286		287	
4-Nitroaniline	333	333	288		287	
4-Nitroaniline	333	333	288		287	
4-Nitrophenol	333	333	314		314	
4-Nitrophenol	333	333	314		314	
Acenaphthene	333	333	318		317	
Acenaphthene	333	333	318		317	
Acenaphthylene	333	333	281		282	
Acenaphthylene	333	333	281		282	
Acetophenone	333	333	222		223	
Acetophenone	333	333	222		223	
Aniline	333	333	100	*	106	*
Aniline	333	333	100	*	94.1	*
Aniline	333	333	89.0	*	106	*
Aniline	333	333	89.0	*	94.1	*
Anthracene	333	333	330		337	
Anthracene	333	333	330		337	
Atrazine	333	333	347		346	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48742

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48742/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48742/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/18/2009 2222			Date Analyzed:	09/18/2009 2254
Date Prepared:	09/09/2009 0958			Date Prepared:	09/09/2009 0958

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Azobenzene	333	333	285		287	
Benzaldehyde	333	333	326		321	
Benzo[a]anthracene	333	333	341		343	
Benzo[a]anthracene	333	333	341		343	
Benzo[a]pyrene	333	333	324		329	
Benzo[a]pyrene	333	333	324		329	
Benzo[b]fluoranthene	333	333	312		314	
Benzo[b]fluoranthene	333	333	312		314	
Benzo[g,h,i]perylene	333	333	336		357	
Benzo[g,h,i]perylene	333	333	336		357	
Benzo[k]fluoranthene	333	333	339		345	
Benzo[k]fluoranthene	333	333	339		345	
Benzoic acid	333	333	102	J	82.8	J *
Benzoic acid	333	333	102	J	82.8	J *
Benzophenone	333	333	298		299	
Benzyl alcohol	333	333	264		269	
Benzyl alcohol	333	333	264		269	
Bis(2-chloroethoxy)methane	333	333	216		220	
Bis(2-chloroethoxy)methane	333	333	216		255	
Bis(2-chloroethoxy)methane	333	333	249		220	
Bis(2-chloroethoxy)methane	333	333	249		255	
Bis(2-chloroethyl)ether	333	333	207		204	
Bis(2-chloroethyl)ether	333	333	207		204	
Bis(2-ethylhexyl) phthalate	333	333	314		319	
Bis(2-ethylhexyl) phthalate	333	333	314		319	
Butyl benzyl phthalate	333	333	315		312	
Butyl benzyl phthalate	333	333	315		312	
Caprolactam	333	333	297		305	
Carbazole	333	333	312		309	
Carbazole	333	333	312		309	
Chrysene	333	333	328		330	
Chrysene	333	333	328		330	
Dibenz(a,h)anthracene	333	333	331		351	
Dibenz(a,h)anthracene	333	333	331		351	
Dibenzofuran	333	333	275		276	
Dibenzofuran	333	333	275		276	
Diethyl phthalate	333	333	290		289	
Diethyl phthalate	333	333	290		289	
Dimethyl phthalate	333	333	278		278	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48742

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48742/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48742/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/18/2009 2222			Date Analyzed:	09/18/2009 2254
Date Prepared:	09/09/2009 0958			Date Prepared:	09/09/2009 0958

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Dimethyl phthalate	333	333	278	278
Di-n-butyl phthalate	333	333	350	362
Di-n-butyl phthalate	333	333	350	362
Di-n-octyl phthalate	333	333	262	265
Di-n-octyl phthalate	333	333	262	268
Di-n-octyl phthalate	333	333	266	265
Di-n-octyl phthalate	333	333	266	268
Diphenyl oxide	333	333	227	228
Fluoranthene	333	333	305	305
Fluoranthene	333	333	305	305
Fluorene	333	333	332	332
Fluorene	333	333	332	332
Hexachlorobenzene	333	333	295	297
Hexachlorobenzene	333	333	295	297
Hexachlorobutadiene	333	333	207	208
Hexachlorobutadiene	333	333	207	228
Hexachlorobutadiene	333	333	226	208
Hexachlorobutadiene	333	333	226	228
Hexachlorocyclopentadiene	333	333	263	262
Hexachlorocyclopentadiene	333	333	263	262
Hexachloroethane	333	333	210	212
Hexachloroethane	333	333	210	212
Indeno[1,2,3-cd]pyrene	333	333	310	328
Indeno[1,2,3-cd]pyrene	333	333	310	328
Isophorone	333	333	199	204
Isophorone	333	333	199	208
Isophorone	333	333	202	204
Isophorone	333	333	202	208
Naphthalene	333	333	229	238
Naphthalene	333	333	229	242
Naphthalene	333	333	234	238
Naphthalene	333	333	234	242
Nitrobenzene	333	333	214	220
Nitrobenzene	333	333	214	244
Nitrobenzene	333	333	236	220
Nitrobenzene	333	333	236	244
N-Nitrosodimethylamine	333	333	235	235
N-Nitrosodimethylamine	333	333	235	235
N-Nitrosodi-n-propylamine	333	333	245	244

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48742

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48742/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48742/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/18/2009 2222			Date Analyzed:	09/18/2009 2254
Date Prepared:	09/09/2009 0958			Date Prepared:	09/09/2009 0958

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
N-Nitrosodi-n-propylamine	333	333	245	244
N-Nitrosodiphenylamine	333	333	208	210
N-Nitrosodiphenylamine	333	333	208	210
Pentachlorophenol	333	333	245	239
Pentachlorophenol	333	333	245	239
Phenanthrene	333	333	299	303
Phenanthrene	333	333	299	303
Phenol	333	333	241	240
Phenol	333	333	241	240
Pyrene	333	333	310	310
Pyrene	333	333	310	310

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Method Blank - Batch: 360-48854

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-48854/1-A	Analysis Batch:	360-49265	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48854	Lab File ID:	B10449.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2033			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		10	33
1,2,4,5-Tetrachlorobenzene	ND		10	33
1,2,4-Trichlorobenzene	ND		10	33
1,2-Dichlorobenzene	ND		10	33
1,3-Dichlorobenzene	ND		10	33
1,4-Dichlorobenzene	ND		10	33
1-Methylnaphthalene	ND		10	33
2,2'-oxybis[1-chloropropane]	ND		10	33
2,3,4,6-Tetrachlorophenol	ND		10	33
2,4,5-Trichlorophenol	ND		10	33
2,4,6-Trichlorophenol	ND		10	33
2,4-Dichlorophenol	ND		10	33
2,4-Dimethylphenol	ND		13	33
2,4-Dinitrophenol	ND		10	33
2,4-Dinitrotoluene	ND		10	33
2,6-Dinitrotoluene	ND		10	33
2-Chloronaphthalene	ND		10	33
2-Chlorophenol	ND		10	33
2-Methylnaphthalene	ND		10	33
2-Methylphenol	ND		20	33
2-Nitroaniline	ND		10	170
2-Nitrophenol	ND		10	33
3 & 4 Methylphenol	ND		10	33
3,3'-Dichlorobenzidine	ND		10	67
3-Nitroaniline	ND		10	170
4,6-Dinitro-2-methylphenol	ND		10	170
4-Bromophenyl phenyl ether	ND		10	33
4-Chloro-3-methylphenol	ND		10	67
4-Chloroaniline	ND		10	67
4-Chlorophenyl phenyl ether	ND		10	33
4-Nitroaniline	ND		10	170
4-Nitrophenol	ND		10	170
Acenaphthene	ND		10	33
Acenaphthylene	ND		10	33
Acetophenone	ND		10	33
Aniline	ND		10	33
Anthracene	ND		10	33
Atrazine	ND		10	33
Azobenzene	ND		10	33
Benzaldehyde	ND		10	33
Benzo[a]anthracene	ND		10	33

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Method Blank - Batch: 360-48854

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-48854/1-A	Analysis Batch:	360-49265	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48854	Lab File ID:	B10449.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2033			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

Analyte	Result	Qual	MDL	RL
Benzo[a]pyrene	ND		10	33
Benzo[b]fluoranthene	ND		10	33
Benzo[g,h,i]perylene	ND		10	33
Benzo[k]fluoranthene	ND		10	33
Benzoic acid	70.4	J	15	170
Benzophenone	ND		10	33
Benzyl alcohol	ND		28	67
Bis(2-chloroethoxy)methane	ND		10	33
Bis(2-chloroethyl)ether	ND		10	33
Bis(2-ethylhexyl) phthalate	ND		10	33
Butyl benzyl phthalate	ND		10	33
Caprolactam	ND		10	33
Carbazole	ND		10	33
Chrysene	ND		10	33
Dibenz(a,h)anthracene	ND		10	33
Dibenzofuran	ND		10	33
Diethyl phthalate	ND		10	33
Dimethyl phthalate	ND		10	33
Di-n-butyl phthalate	ND		29	33
Di-n-octyl phthalate	ND		17	33
Diphenyl oxide	ND		10	33
Fluoranthene	ND		10	33
Fluorene	ND		10	33
Hexachlorobenzene	ND		10	33
Hexachlorobutadiene	ND		10	33
Hexachlorocyclopentadiene	ND		10	67
Hexachloroethane	ND		10	33
Indeno[1,2,3-cd]pyrene	ND		10	33
Isophorone	ND		10	33
Naphthalene	ND		10	80
Nitrobenzene	ND		10	33
N-Nitrosodimethylamine	ND		12	33
N-Nitrosodi-n-propylamine	ND		10	33
N-Nitrosodiphenylamine	ND		10	33
Pentachlorophenol	ND		10	33
Phenanthrene	ND		10	40
Phenol	ND		10	33
Pyrene	ND		10	33

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	71	30 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	71	30 - 130
2-Fluorophenol	89	30 - 130
Nitrobenzene-d5	83	30 - 130
Phenol-d5	91	30 - 130
Terphenyl-d14	72	30 - 130

Method Blank TICs- Batch: 360-48854

Cas Number	Analyte	RT	Est. Result	Qual
	Unknown	7.06	23.2	T J
121-33-5	Vanillin	10.03	12.5	T J N
615-22-5	Benzothiazole, 2-(methylthio)-	11.07	12.0	T J N
593-45-3	Octadecane	11.58	42.1	T J N
112-95-8	Eicosane	12.30	24.2	T J N
54833-48-6	Heptadecane, 2,6,10,15-tetramethyl-	15.61	10.5	T J N
593-49-7	Heptacosane	16.12	14.3	T J N
7683-64-9	Squalene	16.78	31.8	T J N

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48854

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48854/2-A	Analysis Batch:	360-49265	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48854	Lab File ID:	B10450.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2105			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-48854/3-A	Analysis Batch:	360-49265	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48854	Lab File ID:	B10451.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2136			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1'-Biphenyl	79	75	40 - 140	5	30		
1,2,4,5-Tetrachlorobenzene	65	63	40 - 140	5	30		
1,2,4-Trichlorobenzene	67	63	40 - 140	6	30		
1,2-Dichlorobenzene	69	64	40 - 140	8	30		
1,3-Dichlorobenzene	57	53	40 - 140	7	30		
1,4-Dichlorobenzene	57	53	40 - 140	8	30		
1-Methylnaphthalene	65	62	40 - 140	6	30		
2,2'-oxybis[1-chloropropane]	63	58	40 - 140	7	30		
2,3,4,6-Tetrachlorophenol	68	66	40 - 140	3	30		
2,4,5-Trichlorophenol	79	76	30 - 130	3	30		
2,4,6-Trichlorophenol	75	72	30 - 130	4	30		
2,4-Dichlorophenol	72	69	30 - 130	4	30		
2,4-Dimethylphenol	72	70	30 - 130	2	30		
2,4-Dinitrophenol	58	60	30 - 130	4	30		
2,4-Dinitrotoluene	74	71	40 - 140	3	30		
2,6-Dinitrotoluene	81	79	40 - 140	2	30		
2-Chloronaphthalene	60	58	40 - 140	3	30		
2-Chlorophenol	67	64	30 - 130	4	30		
2-Methylnaphthalene	63	60	40 - 140	5	30		
2-Methylphenol	72	67	30 - 130	7	30		
2-Nitroaniline	80	76	40 - 140	6	30		
2-Nitrophenol	75	72	30 - 130	4	30		
3 & 4 Methylphenol	75	71	30 - 130	5	30		
3,3'-Dichlorobenzidine	73	71	40 - 140	3	30		
3-Nitroaniline	74	72	40 - 140	3	30		
4,6-Dinitro-2-methylphenol	70	67	30 - 130	3	30		
4-Bromophenyl phenyl ether	79	75	40 - 140	5	30		
4-Chloro-3-methylphenol	82	80	30 - 130	2	30		
4-Chloroaniline	51	51	40 - 140	1	30		
4-Chlorophenyl phenyl ether	79	76	40 - 140	4	30		
4-Nitroaniline	79	76	40 - 140	3	30		
4-Nitrophenol	84	83	30 - 130	2	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48854

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48854/2-A	Analysis Batch:	360-49265	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48854	Lab File ID:	B10450.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2105			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-48854/3-A	Analysis Batch:	360-49265	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48854	Lab File ID:	B10451.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2136			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acenaphthene	88	84	40 - 140	4	30		
Acenaphthylene	75	73	40 - 140	3	30		
Acetophenone	69	66	40 - 140	3	30		
Aniline	27	26	40 - 140	3	30	*	*
Anthracene	93	88	40 - 140	5	30		
Atrazine	85	81	40 - 140	4	30		
Azobenzene	79	75	40 - 140	6	30		
Benzaldehyde	75	70	40 - 140	6	30		
Benzo[a]anthracene	94	90	40 - 140	4	30		
Benzo[a]pyrene	98	96	40 - 140	2	30		
Benzo[b]fluoranthene	80	82	40 - 140	2	30		
Benzo[g,h,i]perylene	99	89	40 - 140	11	30		
Benzo[k]fluoranthene	87	85	40 - 140	2	30		
Benzoic acid	35	35	30 - 130	0	30	J	J
Benzophenone	86	80	40 - 140	7	30		
Benzyl alcohol	77	73	30 - 130	5	30		
Bis(2-chloroethoxy)methane	62	60	40 - 140	4	30		
Bis(2-chloroethyl)ether	60	56	40 - 140	7	30		
Bis(2-ethylhexyl) phthalate	81	78	40 - 140	4	30		
Butyl benzyl phthalate	78	77	40 - 140	1	30		
Caprolactam	81	83	40 - 140	3	30		
Carbazole	86	83	40 - 140	3	30		
Chrysene	89	86	40 - 140	3	30		
Dibenz(a,h)anthracene	105	93	40 - 140	12	30		
Dibenzofuran	75	73	40 - 140	3	30		
Diethyl phthalate	81	80	40 - 140	1	30		
Dimethyl phthalate	78	76	40 - 140	3	30		
Di-n-butyl phthalate	96	94	40 - 140	3	30		
Di-n-octyl phthalate	71	73	40 - 140	3	30		
Diphenyl oxide	69	64	40 - 140	7	30		
Fluoranthene	88	84	40 - 140	4	30		
Fluorene	93	91	40 - 140	3	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48854

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48854/2-A	Analysis Batch:	360-49265	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48854	Lab File ID:	B10450.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2105			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-48854/3-A	Analysis Batch:	360-49265	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48854	Lab File ID:	B10451.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2136			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Hexachlorobenzene	78	73	40 - 140	7	30		
Hexachlorobutadiene	58	54	40 - 140	8	30		
Hexachlorocyclopentadiene	54	56	40 - 140	3	30		
Hexachloroethane	61	56	40 - 140	8	30		
Indeno[1,2,3-cd]pyrene	105	95	40 - 140	11	30		
Isophorone	59	56	40 - 140	5	30		
Naphthalene	73	68	40 - 140	7	30		
Nitrobenzene	64	60	40 - 140	7	30		
N-Nitrosodimethylamine	66	61	40 - 140	7	30		
N-Nitrosodi-n-propylamine	73	69	40 - 140	6	30		
N-Nitrosodiphenylamine	56	54	40 - 140	5	30		
Pentachlorophenol	72	72	30 - 130	0	30		
Phenanthrene	84	80	40 - 140	5	30		
Phenol	70	67	30 - 130	3	30		
Pyrene	72	73	40 - 140	1	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	71	70	30 - 130
2-Fluorobiphenyl	68	67	30 - 130
2-Fluorophenol	64	62	30 - 130
Nitrobenzene-d5	58	57	30 - 130
Phenol-d5	67	65	30 - 130
Terphenyl-d14	57	60	30 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48854

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48854/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48854/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/21/2009 2105			Date Analyzed:	09/21/2009 2136
Date Prepared:	09/11/2009 1142			Date Prepared:	09/11/2009 1142

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
1,1'-Biphenyl	333	333	263		249	
1,2,4,5-Tetrachlorobenzene	333	333	218		208	
1,2,4-Trichlorobenzene	333	333	222		208	
1,2-Dichlorobenzene	333	333	230		212	
1,3-Dichlorobenzene	333	333	190		177	
1,4-Dichlorobenzene	333	333	190		176	
1-Methylnaphthalene	333	333	218		205	
2,2'-oxybis[1-chloropropane]	333	333	208		195	
2,3,4,6-Tetrachlorophenol	333	333	228		221	
2,4,5-Trichlorophenol	333	333	264		255	
2,4,6-Trichlorophenol	333	333	250		241	
2,4-Dichlorophenol	333	333	240		231	
2,4-Dimethylphenol	333	333	241		235	
2,4-Dinitrophenol	333	333	192		199	
2,4-Dinitrotoluene	333	333	246		238	
2,6-Dinitrotoluene	333	333	268		262	
2-Chloronaphthalene	333	333	199		194	
2-Chlorophenol	333	333	223		214	
2-Methylnaphthalene	333	333	209		200	
2-Methylphenol	333	333	240		224	
2-Nitroaniline	333	333	268		252	
2-Nitrophenol	333	333	250		241	
3 & 4 Methylphenol	333	333	249		237	
3,3'-Dichlorobenzidine	333	333	242		236	
3-Nitroaniline	333	333	247		240	
4,6-Dinitro-2-methylphenol	333	333	232		225	
4-Bromophenyl phenyl ether	333	333	263		250	
4-Chloro-3-methylphenol	333	333	274		268	
4-Chloroaniline	333	333	171		170	
4-Chlorophenyl phenyl ether	333	333	262		253	
4-Nitroaniline	333	333	263		254	
4-Nitrophenol	333	333	281		277	
Acenaphthene	333	333	294		281	
Acenaphthylene	333	333	251		243	
Acetophenone	333	333	228		221	
Aniline	333	333	91.1	*	88.2	*
Anthracene	333	333	310		294	
Atrazine	333	333	282		271	
Azobenzene	333	333	264		249	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48854

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48854/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48854/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/21/2009 2105			Date Analyzed:	09/21/2009 2136
Date Prepared:	09/11/2009 1142			Date Prepared:	09/11/2009 1142

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Benzaldehyde	333	333	248		234	
Benzo[a]anthracene	333	333	314		301	
Benzo[a]pyrene	333	333	327		320	
Benzo[b]fluoranthene	333	333	267		272	
Benzo[g,h,i]perylene	333	333	329		296	
Benzo[k]fluoranthene	333	333	289		282	
Benzoic acid	333	333	118	J	118	J
Benzophenone	333	333	285		267	
Benzyl alcohol	333	333	256		243	
Bis(2-chloroethoxy)methane	333	333	208		200	
Bis(2-chloroethyl)ether	333	333	201		188	
Bis(2-ethylhexyl) phthalate	333	333	271		261	
Butyl benzyl phthalate	333	333	259		258	
Caprolactam	333	333	271		278	
Carbazole	333	333	286		277	
Chrysene	333	333	296		287	
Dibenz(a,h)anthracene	333	333	350		311	
Dibenzofuran	333	333	251		244	
Diethyl phthalate	333	333	270		267	
Dimethyl phthalate	333	333	260		253	
Di-n-butyl phthalate	333	333	321		312	
Di-n-octyl phthalate	333	333	238		244	
Diphenyl oxide	333	333	229		214	
Fluoranthene	333	333	293		281	
Fluorene	333	333	312		303	
Hexachlorobenzene	333	333	261		245	
Hexachlorobutadiene	333	333	193		179	
Hexachlorocyclopentadiene	333	333	181		186	
Hexachloroethane	333	333	203		188	
Indeno[1,2,3-cd]pyrene	333	333	351		316	
Isophorone	333	333	196		187	
Naphthalene	333	333	243		228	
Nitrobenzene	333	333	212		199	
N-Nitrosodimethylamine	333	333	219		204	
N-Nitrosodi-n-propylamine	333	333	244		230	
N-Nitrosodiphenylamine	333	333	187		179	
Pentachlorophenol	333	333	239		239	
Phenanthrene	333	333	279		267	
Phenol	333	333	232		224	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48854

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48854/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48854/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/21/2009 2105			Date Analyzed:	09/21/2009 2136
Date Prepared:	09/11/2009 1142			Date Prepared:	09/11/2009 1142

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Pyrene	333	333	241	243

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Method Blank - Batch: 360-49527

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 360-49527/1-A	Analysis Batch:	360-49582	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch:	360-49527	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	2.0 g
Date Analyzed:	09/28/2009 1231			Final Weight/Volume:	100 mL
Date Prepared:	09/28/2009 0810				

Analyte	Result	Qual	MDL	RL
Aluminum	ND		0.65	2.5
Antimony	ND		0.18	0.50
Arsenic	ND		0.091	1.0
Barium	ND		0.065	0.50
Beryllium	ND		0.025	0.20
Cadmium	ND		0.0070	0.20
Calcium	7.34	J	2.5	10
Chromium	0.0900	J	0.066	0.50
Cobalt	ND		0.065	0.50
Copper	ND		0.065	1.0
Iron	1.32	J	0.80	5.0
Lead	ND		0.057	0.50
Magnesium	2.01	J	0.50	10
Manganese	ND		0.067	1.0
Nickel	ND		0.065	1.0
Potassium	ND		31	200
Selenium	ND		0.23	0.50
Silver	ND		0.050	0.50
Sodium	ND		13	100
Thallium	ND		0.072	1.0
Vanadium	ND		0.065	1.0
Zinc	ND		0.59	2.5
Tin	0.500	J	0.32	5.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49527

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCS 360-49527/2-A	Analysis Batch: 360-49582	Instrument ID: Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch: 360-49527	Lab File ID: N/A
Dilution:	1.0	Units: mg/Kg	Initial Weight/Volume: 2.0 g
Date Analyzed:	09/28/2009 1233		Final Weight/Volume: 100 mL
Date Prepared:	09/28/2009 0810		

LCSD Lab Sample ID:	LCSD 360-49527/3-A	Analysis Batch: 360-49582	Instrument ID: Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch: 360-49527	Lab File ID: N/A
Dilution:	1.0	Units: mg/Kg	Initial Weight/Volume: 2.0 g
Date Analyzed:	09/28/2009 1236		Final Weight/Volume: 100 mL
Date Prepared:	09/28/2009 0810		

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aluminum	90	90	80 - 120	0	30		
Antimony	87	88	80 - 120	2	30		
Arsenic	90	90	80 - 120	0	30		
Barium	93	93	80 - 120	0	30		
Beryllium	91	91	80 - 120	0	30		
Cadmium	90	90	80 - 120	0	30		
Calcium	93	92	80 - 120	0	30		
Chromium	92	92	80 - 120	0	30		
Cobalt	91	91	80 - 120	0	30		
Copper	91	91	80 - 120	0	30		
Iron	91	91	80 - 120	0	30		
Lead	90	90	80 - 120	0	30		
Magnesium	90	90	80 - 120	0	30		
Manganese	92	92	80 - 120	0	30		
Nickel	90	90	80 - 120	0	30		
Potassium	84	86	80 - 120	3	30		
Selenium	89	90	80 - 120	0	30		
Silver	90	90	80 - 120	0	30		
Sodium	89	88	80 - 120	1	30		
Thallium	89	89	80 - 120	0	30		
Vanadium	93	93	80 - 120	0	30		
Zinc	89	88	80 - 120	0	30		
Tin	92	92	80 - 120	0	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49527

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCS 360-49527/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 360-49527/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/28/2009 1233			Date Analyzed:	09/28/2009 1236
Date Prepared:	09/28/2009 0810			Date Prepared:	09/28/2009 0810

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Aluminum	250	250	226	225
Antimony	50.0	50.0	43.3	44.1
Arsenic	50.0	50.0	45.0	45.0
Barium	50.0	50.0	46.6	46.6
Beryllium	50.0	50.0	45.4	45.5
Cadmium	50.0	50.0	45.2	45.0
Calcium	1000	1000	925	924
Chromium	50.0	50.0	46.0	46.0
Cobalt	50.0	50.0	45.6	45.5
Copper	50.0	50.0	45.6	45.7
Iron	250	250	229	228
Lead	50.0	50.0	45.0	44.9
Magnesium	1000	1000	904	900
Manganese	50.0	50.0	46.1	46.0
Nickel	50.0	50.0	45.2	45.0
Potassium	1000	1000	842	864
Selenium	50.0	50.0	44.7	44.8
Silver	50.0	50.0	45.1	45.1
Sodium	1000	1000	888	880
Thallium	50.0	50.0	44.4	44.3
Vanadium	50.0	50.0	46.3	46.3
Zinc	50.0	50.0	44.4	44.2
Tin	50.0	50.0	46.0	46.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Method Blank - Batch: 360-50159

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 360-50159/1-A	Analysis Batch:	360-50204	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch:	360-50159	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	2.0 g
Date Analyzed:	10/12/2009 1649			Final Weight/Volume:	100 mL
Date Prepared:	10/12/2009 0852				

Analyte	Result	Qual	MDL	RL
Aluminum	ND		0.65	2.5
Antimony	ND		0.18	0.50
Arsenic	ND		0.091	1.0
Barium	ND		0.065	0.50
Beryllium	ND		0.025	0.20
Cadmium	ND		0.0070	0.20
Calcium	5.55	J	2.5	10
Chromium	ND		0.066	0.50
Cobalt	ND		0.065	0.50
Copper	ND		0.065	1.0
Iron	2.01	J	0.80	5.0
Lead	ND		0.057	0.50
Magnesium	1.72	J	0.50	10
Manganese	ND		0.067	1.0
Nickel	ND		0.065	1.0
Potassium	ND		31	200
Selenium	ND		0.23	0.50
Silver	ND		0.050	0.50
Sodium	ND		13	100
Thallium	ND		0.072	1.0
Vanadium	ND		0.065	1.0
Zinc	ND		0.59	2.5
Tin	0.404	J	0.32	5.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-50159

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCS 360-50159/2-A	Analysis Batch:	360-50204	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch:	360-50159	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	2.0 g
Date Analyzed:	10/12/2009 1651			Final Weight/Volume:	100 mL
Date Prepared:	10/12/2009 0852				

LCSD Lab Sample ID:	LCSD 360-50159/3-A	Analysis Batch:	360-50204	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch:	360-50159	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	2.0 g
Date Analyzed:	10/12/2009 1654			Final Weight/Volume:	100 mL
Date Prepared:	10/12/2009 0852				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aluminum	92	92	80 - 120	0	30		
Antimony	83	84	80 - 120	1	30		
Arsenic	91	91	80 - 120	0	30		
Barium	95	95	80 - 120	0	30		
Beryllium	92	92	80 - 120	0	30		
Cadmium	90	90	80 - 120	0	30		
Calcium	92	92	80 - 120	0	30		
Chromium	93	94	80 - 120	0	30		
Cobalt	92	92	80 - 120	0	30		
Copper	95	94	80 - 120	1	30		
Iron	93	94	80 - 120	1	30		
Lead	91	91	80 - 120	0	30		
Magnesium	90	90	80 - 120	0	30		
Manganese	93	93	80 - 120	0	30		
Nickel	93	92	80 - 120	0	30		
Potassium	92	93	80 - 120	1	30		
Selenium	91	91	80 - 120	0	30		
Silver	93	93	80 - 120	0	30		
Sodium	90	89	80 - 120	0	30		
Thallium	90	90	80 - 120	0	30		
Vanadium	93	93	80 - 120	0	30		
Zinc	89	89	80 - 120	0	30		
Tin	90	90	80 - 120	0	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-50159

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCS 360-50159/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 360-50159/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	10/12/2009 1651			Date Analyzed:	10/12/2009 1654
Date Prepared:	10/12/2009 0852			Date Prepared:	10/12/2009 0852

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Aluminum	250	250	231	231
Antimony	50.0	50.0	41.7	42.2
Arsenic	50.0	50.0	45.7	45.6
Barium	50.0	50.0	47.3	47.3
Beryllium	50.0	50.0	46.0	46.0
Cadmium	50.0	50.0	45.0	44.9
Calcium	1000	1000	924	925
Chromium	50.0	50.0	46.7	46.8
Cobalt	50.0	50.0	45.8	45.8
Copper	50.0	50.0	47.6	47.1
Iron	250	250	233	235
Lead	50.0	50.0	45.7	45.5
Magnesium	1000	1000	897	895
Manganese	50.0	50.0	46.6	46.6
Nickel	50.0	50.0	46.3	46.2
Potassium	1000	1000	924	932
Selenium	50.0	50.0	45.3	45.3
Silver	50.0	50.0	46.3	46.3
Sodium	1000	1000	898	894
Thallium	50.0	50.0	44.9	45.0
Vanadium	50.0	50.0	46.6	46.6
Zinc	50.0	50.0	44.6	44.5
Tin	50.0	50.0	44.9	44.9

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Method Blank - Batch: 360-49278

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 360-49278/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/23/2009 1012
Date Prepared: 09/22/2009 0907

Analysis Batch: 360-49362
Prep Batch: 360-49278
Units: mg/Kg

Instrument ID: Leeman Labs Automated
Lab File ID: N/A
Initial Weight/Volume: 0.2 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.034	0.19

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49278

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID: LCS 360-49278/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/23/2009 1014
Date Prepared: 09/22/2009 0907

Analysis Batch: 360-49362
Prep Batch: 360-49278
Units: mg/Kg

Instrument ID: Leeman Labs Automated
Lab File ID: N/A
Initial Weight/Volume: 0.2 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 360-49278/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/23/2009 1016
Date Prepared: 09/22/2009 0907

Analysis Batch: 360-49362
Prep Batch: 360-49278
Units: mg/Kg

Instrument ID: Leeman Labs Automated
Lab File ID: N/A
Initial Weight/Volume: 0.2 g
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	102	104	80 - 120	3	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49278

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID:	LCS 360-49278/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 360-49278/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/23/2009 1014			Date Analyzed:	09/23/2009 1016
Date Prepared:	09/22/2009 0907			Date Prepared:	09/22/2009 0907

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	1.25	1.25	1.27	1.30

Calculations are performed before rounding to avoid round-off errors in calculated results.

DATA REPORTING QUALIFIERS

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

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

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 360-48742					
LCS 360-48742/2-A	Lab Control Sample	T	Solid	3546	
LCSD 360-48742/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 360-48742/1-A	Method Blank	T	Solid	3546	
360-24365-2	OC-SB-442-20/22-XXX	T	Solid	3546	
360-24365-6	OC-SB-447-18/20-XXX	T	Solid	3546	
360-24365-6DL	OC-SB-447-18/20-XXX	T	Solid	3546	
Prep Batch: 360-48854					
LCS 360-48854/2-A	Lab Control Sample	T	Solid	3546	
LCSD 360-48854/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 360-48854/1-A	Method Blank	T	Solid	3546	
360-24365-9	OC-SB-452-13/15-XXX	T	Solid	3546	
360-24365-14	OC-SB-458-22/24-XXX	T	Solid	3546	
360-24365-17	OC-SB-460-30/32-XXX	T	Solid	3546	
Analysis Batch:360-49187					
360-24365-2	OC-SB-442-20/22-XXX	T	Solid	8270C LL	360-48742
Analysis Batch:360-49189					
LCS 360-48742/2-A	Lab Control Sample	T	Solid	8270C LL	360-48742
LCSD 360-48742/3-A	Lab Control Sample Duplicate	T	Solid	8270C LL	360-48742
MB 360-48742/1-A	Method Blank	T	Solid	8270C LL	360-48742
Analysis Batch:360-49265					
LCS 360-48854/2-A	Lab Control Sample	T	Solid	8270C LL	360-48854
LCSD 360-48854/3-A	Lab Control Sample Duplicate	T	Solid	8270C LL	360-48854
MB 360-48854/1-A	Method Blank	T	Solid	8270C LL	360-48854
Analysis Batch:360-49266					
360-24365-9	OC-SB-452-13/15-XXX	T	Solid	8270C LL	360-48854
360-24365-14	OC-SB-458-22/24-XXX	T	Solid	8270C LL	360-48854
360-24365-17	OC-SB-460-30/32-XXX	T	Solid	8270C LL	360-48854
Analysis Batch:360-49847					
360-24365-6	OC-SB-447-18/20-XXX	T	Solid	8270C LL	360-48742
360-24365-6DL	OC-SB-447-18/20-XXX	T	Solid	8270C LL	360-48742

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-24365-2
Sdg Number: OCRI-09A

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 360-49278					
LCS 360-49278/2-A	Lab Control Sample	T	Solid	7471A	
LCSD 360-49278/3-A	Lab Control Sample Duplicate	T	Solid	7471A	
MB 360-49278/1-A	Method Blank	T	Solid	7471A	
360-24365-6	OC-SB-447-18/20-XXX	T	Solid	7471A	
Analysis Batch:360-49362					
LCS 360-49278/2-A	Lab Control Sample	T	Solid	7471A	360-49278
LCSD 360-49278/3-A	Lab Control Sample Duplicate	T	Solid	7471A	360-49278
MB 360-49278/1-A	Method Blank	T	Solid	7471A	360-49278
360-24365-6	OC-SB-447-18/20-XXX	T	Solid	7471A	360-49278
Prep Batch: 360-49527					
LCS 360-49527/2-A	Lab Control Sample	T	Solid	3050B	
LCSD 360-49527/3-A	Lab Control Sample Duplicate	T	Solid	3050B	
MB 360-49527/1-A	Method Blank	T	Solid	3050B	
360-24365-2	OC-SB-442-20/22-XXX	T	Solid	3050B	
360-24365-6	OC-SB-447-18/20-XXX	T	Solid	3050B	
360-24365-9	OC-SB-452-13/15-XXX	T	Solid	3050B	
360-24365-14	OC-SB-458-22/24-XXX	T	Solid	3050B	
Analysis Batch:360-49582					
LCS 360-49527/2-A	Lab Control Sample	T	Solid	6010B	360-49527
LCSD 360-49527/3-A	Lab Control Sample Duplicate	T	Solid	6010B	360-49527
MB 360-49527/1-A	Method Blank	T	Solid	6010B	360-49527
360-24365-2	OC-SB-442-20/22-XXX	T	Solid	6010B	360-49527
360-24365-6	OC-SB-447-18/20-XXX	T	Solid	6010B	360-49527
360-24365-9	OC-SB-452-13/15-XXX	T	Solid	6010B	360-49527
360-24365-14	OC-SB-458-22/24-XXX	T	Solid	6010B	360-49527
Prep Batch: 360-50159					
LCS 360-50159/2-A	Lab Control Sample	T	Solid	3050B	
LCSD 360-50159/3-A	Lab Control Sample Duplicate	T	Solid	3050B	
MB 360-50159/1-A	Method Blank	T	Solid	3050B	
360-24365-17	OC-SB-460-30/32-XXX	T	Solid	3050B	
Analysis Batch:360-50204					
LCS 360-50159/2-A	Lab Control Sample	T	Solid	6010B	360-50159
LCSD 360-50159/3-A	Lab Control Sample Duplicate	T	Solid	6010B	360-50159
MB 360-50159/1-A	Method Blank	T	Solid	6010B	360-50159
360-24365-17	OC-SB-460-30/32-XXX	T	Solid	6010B	360-50159

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-24365-2
SDG: OCRI-09A

Laboratory Chronicle

Lab ID: 360-24365-2 **Client ID:** OC-SB-442-20/22-XXX

Sample Date/Time: 08/31/2009 13:20 Received Date/Time: 08/31/2009 17:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24365-A-2-D		360-49187	360-48742	09/09/2009 09:58	1	TAL WFD	CAL
A:8270C LL	360-24365-A-2-D		360-49187	360-48742	09/19/2009 08:12	1	TAL WFD	PJS
P:3050B	360-24365-A-2-C		360-49582	360-49527	09/28/2009 08:10	1	TAL WFD	TFB
A:6010B	360-24365-A-2-C		360-49582	360-49527	09/28/2009 13:40	1	TAL WFD	EMN

Lab ID: 360-24365-6 **Client ID:** OC-SB-447-18/20-XXX

Sample Date/Time: 08/31/2009 09:05 Received Date/Time: 08/31/2009 17:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24365-A-6-G	DL	360-49847	360-48742	09/09/2009 09:58	10	TAL WFD	CAL
A:8270C LL	360-24365-A-6-G	DL	360-49847	360-48742	10/04/2009 22:37	10	TAL WFD	PJS
P:3546	360-24365-A-6-G		360-49847	360-48742	09/09/2009 09:58	1	TAL WFD	CAL
A:8270C LL	360-24365-A-6-G		360-49847	360-48742	10/04/2009 23:10	1	TAL WFD	PJS
P:3050B	360-24365-A-6-F		360-49582	360-49527	09/28/2009 08:10	1	TAL WFD	TFB
A:6010B	360-24365-A-6-F		360-49582	360-49527	09/28/2009 13:43	1	TAL WFD	EMN
P:7471A	360-24365-A-6-E		360-49362	360-49278	09/22/2009 09:07	1	TAL WFD	TFB
A:7471A	360-24365-A-6-E		360-49362	360-49278	09/23/2009 10:42	1	TAL WFD	EMN

Lab ID: 360-24365-9 **Client ID:** OC-SB-452-13/15-XXX

Sample Date/Time: 08/31/2009 11:00 Received Date/Time: 08/31/2009 17:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24365-A-9-F		360-49266	360-48854	09/11/2009 11:42	1	TAL WFD	BRB
A:8270C LL	360-24365-A-9-F		360-49266	360-48854	09/22/2009 01:44	1	TAL WFD	PJS
P:3050B	360-24365-A-9-E		360-49582	360-49527	09/28/2009 08:10	1	TAL WFD	TFB
A:6010B	360-24365-A-9-E		360-49582	360-49527	09/28/2009 13:46	1	TAL WFD	EMN

Lab ID: 360-24365-14 **Client ID:** OC-SB-458-22/24-XXX

Sample Date/Time: 08/31/2009 16:30 Received Date/Time: 09/01/2009 17:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24365-A-14-F		360-49266	360-48854	09/11/2009 11:42	1	TAL WFD	BRB
A:8270C LL	360-24365-A-14-F		360-49266	360-48854	09/22/2009 03:17	1	TAL WFD	PJS
P:3050B	360-24365-A-14-E		360-49582	360-49527	09/28/2009 08:10	1	TAL WFD	TFB
A:6010B	360-24365-A-14-E		360-49582	360-49527	09/28/2009 13:49	1	TAL WFD	EMN

Client: Olin Corporation

Job Number: 360-24365-2
SDG: OCRI-09A

Laboratory Chronicle

Lab ID: **360-24365-17** **Client ID:** **OC-SB-460-30/32-XXX**

Sample Date/Time: 09/01/2009 10:40 Received Date/Time: 09/01/2009 17:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24365-A-17-D		360-49266	360-48854	09/11/2009 11:42	1	TAL WFD	BRB
A:8270C LL	360-24365-A-17-D		360-49266	360-48854	09/22/2009 04:50	1	TAL WFD	PJS
P:3050B	360-24365-A-17-E		360-50204	360-50159	10/12/2009 08:52	1	TAL WFD	TFB
A:6010B	360-24365-A-17-E		360-50204	360-50159	10/12/2009 17:20	1	TAL WFD	EMN

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	MB 360-48742/1-A		360-49189	360-48742	09/09/2009 09:58	1	TAL WFD	CAL
A:8270C LL	MB 360-48742/1-A		360-49189	360-48742	09/18/2009 21:51	1	TAL WFD	PJS
P:3546	MB 360-48854/1-A		360-49265	360-48854	09/11/2009 11:42	1	TAL WFD	BRB
A:8270C LL	MB 360-48854/1-A		360-49265	360-48854	09/21/2009 20:33	1	TAL WFD	PJS
P:3050B	MB 360-49527/1-A		360-49582	360-49527	09/28/2009 08:10	1	TAL WFD	TFB
A:6010B	MB 360-49527/1-A		360-49582	360-49527	09/28/2009 12:31	1	TAL WFD	EMN
P:3050B	MB 360-50159/1-A		360-50204	360-50159	10/12/2009 08:52	1	TAL WFD	TFB
A:6010B	MB 360-50159/1-A		360-50204	360-50159	10/12/2009 16:49	1	TAL WFD	EMN
P:7471A	MB 360-49278/1-A		360-49362	360-49278	09/22/2009 09:07	1	TAL WFD	TFB
A:7471A	MB 360-49278/1-A		360-49362	360-49278	09/23/2009 10:12	1	TAL WFD	EMN

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	LCS 360-48742/2-A		360-49189	360-48742	09/09/2009 09:58	1	TAL WFD	CAL
A:8270C LL	LCS 360-48742/2-A		360-49189	360-48742	09/18/2009 22:22	1	TAL WFD	PJS
P:3546	LCS 360-48854/2-A		360-49265	360-48854	09/11/2009 11:42	1	TAL WFD	BRB
A:8270C LL	LCS 360-48854/2-A		360-49265	360-48854	09/21/2009 21:05	1	TAL WFD	PJS
P:3050B	LCS 360-49527/2-A		360-49582	360-49527	09/28/2009 08:10	1	TAL WFD	TFB
A:6010B	LCS 360-49527/2-A		360-49582	360-49527	09/28/2009 12:33	1	TAL WFD	EMN
P:3050B	LCS 360-50159/2-A		360-50204	360-50159	10/12/2009 08:52	1	TAL WFD	TFB
A:6010B	LCS 360-50159/2-A		360-50204	360-50159	10/12/2009 16:51	1	TAL WFD	EMN
P:7471A	LCS 360-49278/2-A		360-49362	360-49278	09/22/2009 09:07	1	TAL WFD	TFB
A:7471A	LCS 360-49278/2-A		360-49362	360-49278	09/23/2009 10:14	1	TAL WFD	EMN

Client: Olin Corporation

Job Number: 360-24365-2
SDG: OCRI-09A

Laboratory Chronicle

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:3546	LCSD 360-48742/3-A		360-49189	360-48742	09/09/2009 09:58	1	TAL WFD	CAL
A:8270C LL	LCSD 360-48742/3-A		360-49189	360-48742	09/18/2009 22:54	1	TAL WFD	PJS
P:3546	LCSD 360-48854/3-A		360-49265	360-48854	09/11/2009 11:42	1	TAL WFD	BRB
A:8270C LL	LCSD 360-48854/3-A		360-49265	360-48854	09/21/2009 21:36	1	TAL WFD	PJS
P:3050B	LCSD 360-49527/3-A		360-49582	360-49527	09/28/2009 08:10	1	TAL WFD	TFB
A:6010B	LCSD 360-49527/3-A		360-49582	360-49527	09/28/2009 12:36	1	TAL WFD	EMN
P:3050B	LCSD 360-50159/3-A		360-50204	360-50159	10/12/2009 08:52	1	TAL WFD	TFB
A:6010B	LCSD 360-50159/3-A		360-50204	360-50159	10/12/2009 16:54	1	TAL WFD	EMN
P:7471A	LCSD 360-49278/3-A		360-49362	360-49278	09/22/2009 09:07	1	TAL WFD	TFB
A:7471A	LCSD 360-49278/3-A		360-49362	360-49278	09/23/2009 10:16	1	TAL WFD	EMN

Lab References:
TAL WFD = TestAmerica Westfield

Method 8270C Low Level

Semivolatile Organic Compounds (GC/MS) Low Level by Method 8270C

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Matrix: Solid Level: Low

GC Column (1): Rtx-5ms ID: 0.25 (um)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
OC-SB-442-20/22-XXX	360-24365-2	66	57	71	64	55	87
OC-SB-447-18/20-XXX	360-24365-6	70	57	69	54	56	69
OC-SB-447-18/20-XXX DL	360-24365-6 DL	80	74	75	74	69	87
OC-SB-452-13/15-XXX	360-24365-9	68	69	64	56	58	57
OC-SB-458-22/24-XXX	360-24365-14	65	66	62	53	57	56
OC-SB-460-30/32-XXX	360-24365-17	68	69	65	56	53	62
	MB 360-48742/1-A	84	83	76	72	77	82
	MB 360-48854/1-A	89	91	83	71	71	72
	LCS 360-48742/2-A	67	71	62	79	86	76
	LCS 360-48854/2-A	64	67	58	68	71	57
	LCSD 360-48742/3-A	67	69	63	77	83	74
	LCSD 360-48854/3-A	62	65	57	67	70	60

	QC LIMITS
2FP = 2-Fluorophenol	30-130
PHL = Phenol-d5	30-130
NBZ = Nitrobenzene-d5	30-130
FBP = 2-Fluorobiphenyl	30-130
TBP = 2,4,6-Tribromophenol	30-130
TPH = Terphenyl-d14	30-130

Column to be used to flag recovery values

FORM II 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Matrix: Solid Level: Low Lab File ID: B10412.D

Lab ID: LCS 360-48742/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	333	275	82	40-140	
1,2,4,5-Tetrachlorobenzene	333	220	66	40-140	
1,2,4-Trichlorobenzene	333	228	68	40-140	
1,2,4-Trichlorobenzene	333	228	68	40-140	
1,2-Dichlorobenzene	333	208	62	40-140	
1,2-Dichlorobenzene	333	208	62	40-140	
1,3-Dichlorobenzene	333	200	60	40-140	
1,3-Dichlorobenzene	333	200	60	40-140	
1,4-Dichlorobenzene	333	201	60	40-140	
1,4-Dichlorobenzene	333	201	60	40-140	
1-Methylnaphthalene	333	222	67	40-140	
2,2'-oxybis[1-chloropropane]	333	212	64	40-140	
2,3,4,6-Tetrachlorophenol	333	249	75	40-140	
2,4,5-Trichlorophenol	333	317	95	30-130	
2,4,5-Trichlorophenol	333	317	95	30-130	
2,4,6-Trichlorophenol	333	317	95	30-130	
2,4,6-Trichlorophenol	333	317	95	30-130	
2,4-Dichlorophenol	333	267	80	30-130	
2,4-Dichlorophenol	333	267	80	30-130	
2,4-Dimethylphenol	333	340	102	30-130	
2,4-Dimethylphenol	333	286	86	30-130	
2,4-Dinitrophenol	333	151	45	30-130	
2,4-Dinitrophenol	333	151	45	30-130	
2,4-Dinitrotoluene	333	270	81	40-140	
2,4-Dinitrotoluene	333	270	81	40-140	
2,6-Dinitrotoluene	333	288	86	40-140	
2,6-Dinitrotoluene	333	288	86	40-140	
2-Chloronaphthalene	333	222	66	40-140	
2-Chloronaphthalene	333	222	66	40-140	
2-Chlorophenol	333	224	67	30-130	
2-Chlorophenol	333	224	67	30-130	
2-Methylnaphthalene	333	260	78	40-140	
2-Methylnaphthalene	333	225	68	40-140	
2-Methylphenol	333	234	70	30-130	
2-Methylphenol	333	234	70	30-130	
2-Nitroaniline	333	298	90	40-140	
2-Nitroaniline	333	298	90	40-140	
2-Nitrophenol	333	267	80	30-130	
2-Nitrophenol	333	267	80	30-130	
3 & 4 Methylphenol	333	245	73	30-130	
3 & 4 Methylphenol	333	245	73	30-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Matrix: Solid Level: Low Lab File ID: B10412.D

Lab ID: LCS 360-48742/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
3,3'-Dichlorobenzidine	333	106	32	40-140	*
3,3'-Dichlorobenzidine	333	106	32	40-140	*
3-Nitroaniline	333	296	89	40-140	
3-Nitroaniline	333	296	89	40-140	
4,6-Dinitro-2-methylphenol	333	239	72	30-130	
4,6-Dinitro-2-methylphenol	333	239	72	30-130	
4-Bromophenyl phenyl ether	333	291	87	40-140	
4-Bromophenyl phenyl ether	333	291	87	40-140	
4-Chloro-3-methylphenol	333	285	86	30-130	
4-Chloro-3-methylphenol	333	285	86	30-130	
4-Chloroaniline	333	238	72	40-140	
4-Chloroaniline	333	234	70	40-140	
4-Chlorophenyl phenyl ether	333	286	86	40-140	
4-Chlorophenyl phenyl ether	333	286	86	40-140	
4-Nitroaniline	333	288	86	40-140	
4-Nitroaniline	333	288	86	40-140	
4-Nitrophenol	333	314	94	30-130	
4-Nitrophenol	333	314	94	30-130	
Acenaphthene	333	318	95	40-140	
Acenaphthene	333	318	95	40-140	
Acenaphthylene	333	281	84	40-140	
Acenaphthylene	333	281	84	40-140	
Acetophenone	333	222	67	40-140	
Acetophenone	333	222	67	40-140	
Aniline	333	100	30	40-140	*
Aniline	333	89.0	27	40-140	*
Anthracene	333	330	99	40-140	
Anthracene	333	330	99	40-140	
Atrazine	333	347	104	40-140	
Azobenzene	333	285	86	40-140	
Benzaldehyde	333	326	98	40-140	
Benzo[a]anthracene	333	341	102	40-140	
Benzo[a]anthracene	333	341	102	40-140	
Benzo[a]pyrene	333	324	97	40-140	
Benzo[a]pyrene	333	324	97	40-140	
Benzo[b]fluoranthene	333	312	94	40-140	
Benzo[b]fluoranthene	333	312	94	40-140	
Benzo[g,h,i]perylene	333	336	101	40-140	
Benzo[g,h,i]perylene	333	336	101	40-140	
Benzo[k]fluoranthene	333	339	102	40-140	
Benzo[k]fluoranthene	333	339	102	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Matrix: Solid Level: Low Lab File ID: B10412.D

Lab ID: LCS 360-48742/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Benzoic acid	333	102 J	30	30-130	
Benzoic acid	333	102 J	30	30-130	
Benzophenone	333	298	89	40-140	
Benzyl alcohol	333	264	79	30-130	
Benzyl alcohol	333	264	79	30-130	
Bis(2-chloroethoxy)methane	333	249	75	40-140	
Bis(2-chloroethoxy)methane	333	216	65	40-140	
Bis(2-chloroethyl)ether	333	207	62	40-140	
Bis(2-chloroethyl)ether	333	207	62	40-140	
Bis(2-ethylhexyl) phthalate	333	314	94	40-140	
Bis(2-ethylhexyl) phthalate	333	314	94	40-140	
Butyl benzyl phthalate	333	315	95	40-140	
Butyl benzyl phthalate	333	315	95	40-140	
Caprolactam	333	297	89	40-140	
Carbazole	333	312	94	40-140	
Carbazole	333	312	94	40-140	
Chrysene	333	328	99	40-140	
Chrysene	333	328	99	40-140	
Dibenz(a,h)anthracene	333	331	99	40-140	
Dibenz(a,h)anthracene	333	331	99	40-140	
Dibenzofuran	333	275	82	40-140	
Dibenzofuran	333	275	82	40-140	
Diethyl phthalate	333	290	87	40-140	
Diethyl phthalate	333	290	87	40-140	
Dimethyl phthalate	333	278	83	40-140	
Dimethyl phthalate	333	278	83	40-140	
Di-n-butyl phthalate	333	350	105	40-140	
Di-n-butyl phthalate	333	350	105	40-140	
Di-n-octyl phthalate	333	262	79	40-140	
Di-n-octyl phthalate	333	266	80	40-140	
Diphenyl oxide	333	227	68	40-140	
Fluoranthene	333	305	92	40-140	
Fluoranthene	333	305	92	40-140	
Fluorene	333	332	100	40-140	
Fluorene	333	332	100	40-140	
Hexachlorobenzene	333	295	88	40-140	
Hexachlorobenzene	333	295	88	40-140	
Hexachlorobutadiene	333	226	68	40-140	
Hexachlorobutadiene	333	207	62	40-140	
Hexachlorocyclopentadiene	333	263	79	40-140	
Hexachlorocyclopentadiene	333	263	79	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Matrix: Solid Level: Low Lab File ID: B10412.D

Lab ID: LCS 360-48742/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Hexachloroethane	333	210	63	40-140	
Hexachloroethane	333	210	63	40-140	
Indeno[1,2,3-cd]pyrene	333	310	93	40-140	
Indeno[1,2,3-cd]pyrene	333	310	93	40-140	
Isophorone	333	202	61	40-140	
Isophorone	333	199	60	40-140	
Naphthalene	333	229	69	40-140	
Naphthalene	333	234	70	40-140	
Nitrobenzene	333	236	71	40-140	
Nitrobenzene	333	214	64	40-140	
N-Nitrosodimethylamine	333	235	70	40-140	
N-Nitrosodimethylamine	333	235	70	40-140	
N-Nitrosodi-n-propylamine	333	245	73	40-140	
N-Nitrosodi-n-propylamine	333	245	73	40-140	
N-Nitrosodiphenylamine	333	208	62	40-140	
N-Nitrosodiphenylamine	333	208	62	40-140	
Pentachlorophenol	333	245	73	30-130	
Pentachlorophenol	333	245	73	30-130	
Phenanthrene	333	299	90	40-140	
Phenanthrene	333	299	90	40-140	
Phenol	333	241	72	30-130	
Phenol	333	241	72	30-130	
Pyrene	333	310	93	40-140	
Pyrene	333	310	93	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Matrix: Solid Level: Low Lab File ID: B10450.D

Lab ID: LCS 360-48854/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	333	263	79	40-140	
1,2,4,5-Tetrachlorobenzene	333	218	65	40-140	
1,2,4-Trichlorobenzene	333	222	67	40-140	
1,2-Dichlorobenzene	333	230	69	40-140	
1,3-Dichlorobenzene	333	190	57	40-140	
1,4-Dichlorobenzene	333	190	57	40-140	
1-Methylnaphthalene	333	218	65	40-140	
2,2'-oxybis[1-chloropropane]	333	208	63	40-140	
2,3,4,6-Tetrachlorophenol	333	228	68	40-140	
2,4,5-Trichlorophenol	333	264	79	30-130	
2,4,6-Trichlorophenol	333	250	75	30-130	
2,4-Dichlorophenol	333	240	72	30-130	
2,4-Dimethylphenol	333	241	72	30-130	
2,4-Dinitrophenol	333	192	58	30-130	
2,4-Dinitrotoluene	333	246	74	40-140	
2,6-Dinitrotoluene	333	268	81	40-140	
2-Chloronaphthalene	333	199	60	40-140	
2-Chlorophenol	333	223	67	30-130	
2-Methylnaphthalene	333	209	63	40-140	
2-Methylphenol	333	240	72	30-130	
2-Nitroaniline	333	268	80	40-140	
2-Nitrophenol	333	250	75	30-130	
3 & 4 Methylphenol	333	249	75	30-130	
3,3'-Dichlorobenzidine	333	242	73	40-140	
3-Nitroaniline	333	247	74	40-140	
4,6-Dinitro-2-methylphenol	333	232	70	30-130	
4-Bromophenyl phenyl ether	333	263	79	40-140	
4-Chloro-3-methylphenol	333	274	82	30-130	
4-Chloroaniline	333	171	51	40-140	
4-Chlorophenyl phenyl ether	333	262	79	40-140	
4-Nitroaniline	333	263	79	40-140	
4-Nitrophenol	333	281	84	30-130	
Acenaphthene	333	294	88	40-140	
Acenaphthylene	333	251	75	40-140	
Acetophenone	333	228	69	40-140	
Aniline	333	91.1	27	40-140	*
Anthracene	333	310	93	40-140	
Atrazine	333	282	85	40-140	
Azobenzene	333	264	79	40-140	
Benzaldehyde	333	248	75	40-140	
Benzo[a]anthracene	333	314	94	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Matrix: Solid Level: Low Lab File ID: B10450.D

Lab ID: LCS 360-48854/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Benzo[a]pyrene	333	327	98	40-140	
Benzo[b]fluoranthene	333	267	80	40-140	
Benzo[g,h,i]perylene	333	329	99	40-140	
Benzo[k]fluoranthene	333	289	87	40-140	
Benzoic acid	333	118 J	35	30-130	
Benzophenone	333	285	86	40-140	
Benzyl alcohol	333	256	77	30-130	
Bis(2-chloroethoxy)methane	333	208	62	40-140	
Bis(2-chloroethyl)ether	333	201	60	40-140	
Bis(2-ethylhexyl) phthalate	333	271	81	40-140	
Butyl benzyl phthalate	333	259	78	40-140	
Caprolactam	333	271	81	40-140	
Carbazole	333	286	86	40-140	
Chrysene	333	296	89	40-140	
Dibenz(a,h)anthracene	333	350	105	40-140	
Dibenzofuran	333	251	75	40-140	
Diethyl phthalate	333	270	81	40-140	
Dimethyl phthalate	333	260	78	40-140	
Di-n-butyl phthalate	333	321	96	40-140	
Di-n-octyl phthalate	333	238	71	40-140	
Diphenyl oxide	333	229	69	40-140	
Fluoranthene	333	293	88	40-140	
Fluorene	333	312	93	40-140	
Hexachlorobenzene	333	261	78	40-140	
Hexachlorobutadiene	333	193	58	40-140	
Hexachlorocyclopentadiene	333	181	54	40-140	
Hexachloroethane	333	203	61	40-140	
Indeno[1,2,3-cd]pyrene	333	351	105	40-140	
Isophorone	333	196	59	40-140	
Naphthalene	333	243	73	40-140	
Nitrobenzene	333	212	64	40-140	
N-Nitrosodimethylamine	333	219	66	40-140	
N-Nitrosodi-n-propylamine	333	244	73	40-140	
N-Nitrosodiphenylamine	333	187	56	40-140	
Pentachlorophenol	333	239	72	30-130	
Phenanthrene	333	279	84	40-140	
Phenol	333	232	70	30-130	
Pyrene	333	241	72	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Matrix: Solid Level: Low Lab File ID: B10413.D

Lab ID: LCSD 360-48742/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	333	275	83	0	30	40-140	
1,2,4,5-Tetrachlorobenzene	333	225	68	2	30	40-140	
1,2,4-Trichlorobenzene	333	231	69	1	30	40-140	
1,2,4-Trichlorobenzene	333	231	69	1	30	40-140	
1,2-Dichlorobenzene	333	207	62	1	30	40-140	
1,2-Dichlorobenzene	333	207	62	1	30	40-140	
1,3-Dichlorobenzene	333	202	61	1	30	40-140	
1,3-Dichlorobenzene	333	202	61	1	30	40-140	
1,4-Dichlorobenzene	333	200	60	0	30	40-140	
1,4-Dichlorobenzene	333	200	60	0	30	40-140	
1-Methylnaphthalene	333	225	67	1	30	40-140	
2,2'-oxybis[1-chloropropane]	333	214	64	1	30	40-140	
2,3,4,6-Tetrachlorophenol	333	241	72	3	30	40-140	
2,4,5-Trichlorophenol	333	318	96	0	30	30-130	
2,4,5-Trichlorophenol	333	318	96	0	30	30-130	
2,4,6-Trichlorophenol	333	309	93	2	30	30-130	
2,4,6-Trichlorophenol	333	309	93	2	30	30-130	
2,4-Dichlorophenol	333	275	83	3	30	30-130	
2,4-Dichlorophenol	333	275	83	3	30	30-130	
2,4-Dimethylphenol	333	343	103	1	30	30-130	
2,4-Dimethylphenol	333	287	86	1	30	30-130	
2,4-Dinitrophenol	333	137	41	9	30	30-130	
2,4-Dinitrophenol	333	137	41	9	30	30-130	
2,4-Dinitrotoluene	333	265	79	2	30	40-140	
2,4-Dinitrotoluene	333	265	79	2	30	40-140	
2,6-Dinitrotoluene	333	286	86	1	30	40-140	
2,6-Dinitrotoluene	333	286	86	1	30	40-140	
2-Chloronaphthalene	333	221	66	0	30	40-140	
2-Chloronaphthalene	333	221	66	0	30	40-140	
2-Chlorophenol	333	227	68	1	30	30-130	
2-Chlorophenol	333	227	68	1	30	30-130	
2-Methylnaphthalene	333	264	79	2	30	40-140	
2-Methylnaphthalene	333	228	68	1	30	40-140	
2-Methylphenol	333	243	73	4	30	30-130	
2-Methylphenol	333	243	73	4	30	30-130	
2-Nitroaniline	333	290	87	3	30	40-140	
2-Nitroaniline	333	290	87	3	30	40-140	
2-Nitrophenol	333	270	81	1	30	30-130	
2-Nitrophenol	333	270	81	1	30	30-130	
3 & 4 Methylphenol	333	244	73	0	30	30-130	
3 & 4 Methylphenol	333	244	73	0	30	30-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Matrix: Solid Level: Low Lab File ID: B10413.D

Lab ID: LCSD 360-48742/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
3,3'-Dichlorobenzidine	333	109	33	3	30	40-140	*
3,3'-Dichlorobenzidine	333	109	33	3	30	40-140	*
3-Nitroaniline	333	295	89	0	30	40-140	
3-Nitroaniline	333	295	89	0	30	40-140	
4,6-Dinitro-2-methylphenol	333	221	66	8	30	30-130	
4,6-Dinitro-2-methylphenol	333	221	66	8	30	30-130	
4-Bromophenyl phenyl ether	333	294	88	1	30	40-140	
4-Bromophenyl phenyl ether	333	294	88	1	30	40-140	
4-Chloro-3-methylphenol	333	289	87	1	30	30-130	
4-Chloro-3-methylphenol	333	289	87	1	30	30-130	
4-Chloroaniline	333	247	74	3	30	40-140	
4-Chloroaniline	333	243	73	4	30	40-140	
4-Chlorophenyl phenyl ether	333	287	86	0	30	40-140	
4-Chlorophenyl phenyl ether	333	287	86	0	30	40-140	
4-Nitroaniline	333	287	86	0	30	40-140	
4-Nitroaniline	333	287	86	0	30	40-140	
4-Nitrophenol	333	314	94	0	30	30-130	
4-Nitrophenol	333	314	94	0	30	30-130	
Acenaphthene	333	317	95	0	30	40-140	
Acenaphthene	333	317	95	0	30	40-140	
Acenaphthylene	333	282	84	0	30	40-140	
Acenaphthylene	333	282	84	0	30	40-140	
Acetophenone	333	223	67	0	30	40-140	
Acetophenone	333	223	67	0	30	40-140	
Aniline	333	106	32	6	30	40-140	*
Aniline	333	94.1	28	6	30	40-140	*
Anthracene	333	337	101	2	30	40-140	
Anthracene	333	337	101	2	30	40-140	
Atrazine	333	346	104	0	30	40-140	
Azobenzene	333	287	86	0	30	40-140	
Benzaldehyde	333	321	96	2	30	40-140	
Benzo[a]anthracene	333	343	103	1	30	40-140	
Benzo[a]anthracene	333	343	103	1	30	40-140	
Benzo[a]pyrene	333	329	99	1	30	40-140	
Benzo[a]pyrene	333	329	99	1	30	40-140	
Benzo[b]fluoranthene	333	314	94	1	30	40-140	
Benzo[b]fluoranthene	333	314	94	1	30	40-140	
Benzo[g,h,i]perylene	333	357	107	6	30	40-140	
Benzo[g,h,i]perylene	333	357	107	6	30	40-140	
Benzo[k]fluoranthene	333	345	103	2	30	40-140	
Benzo[k]fluoranthene	333	345	103	2	30	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Matrix: Solid Level: Low Lab File ID: B10413.D

Lab ID: LCSD 360-48742/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Benzoic acid	333	82.8 J	25	20	30	30-130	*
Benzoic acid	333	82.8 J	25	20	30	30-130	*
Benzophenone	333	299	90	0	30	40-140	
Benzyl alcohol	333	269	81	2	30	30-130	
Benzyl alcohol	333	269	81	2	30	30-130	
Bis(2-chloroethoxy)methane	333	255	76	3	30	40-140	
Bis(2-chloroethoxy)methane	333	220	66	2	30	40-140	
Bis(2-chloroethyl)ether	333	204	61	1	30	40-140	
Bis(2-chloroethyl)ether	333	204	61	1	30	40-140	
Bis(2-ethylhexyl) phthalate	333	319	96	1	30	40-140	
Bis(2-ethylhexyl) phthalate	333	319	96	1	30	40-140	
Butyl benzyl phthalate	333	312	94	1	30	40-140	
Butyl benzyl phthalate	333	312	94	1	30	40-140	
Caprolactam	333	305	91	2	30	40-140	
Carbazole	333	309	93	1	30	40-140	
Carbazole	333	309	93	1	30	40-140	
Chrysene	333	330	99	1	30	40-140	
Chrysene	333	330	99	1	30	40-140	
Dibenz(a,h)anthracene	333	351	105	6	30	40-140	
Dibenz(a,h)anthracene	333	351	105	6	30	40-140	
Dibenzofuran	333	276	83	0	30	40-140	
Dibenzofuran	333	276	83	0	30	40-140	
Diethyl phthalate	333	289	87	0	30	40-140	
Diethyl phthalate	333	289	87	0	30	40-140	
Dimethyl phthalate	333	278	83	0	30	40-140	
Dimethyl phthalate	333	278	83	0	30	40-140	
Di-n-butyl phthalate	333	362	108	3	30	40-140	
Di-n-butyl phthalate	333	362	108	3	30	40-140	
Di-n-octyl phthalate	333	265	79	1	30	40-140	
Di-n-octyl phthalate	333	268	80	1	30	40-140	
Diphenyl oxide	333	228	68	0	30	40-140	
Fluoranthene	333	305	91	0	30	40-140	
Fluoranthene	333	305	91	0	30	40-140	
Fluorene	333	332	100	0	30	40-140	
Fluorene	333	332	100	0	30	40-140	
Hexachlorobenzene	333	297	89	1	30	40-140	
Hexachlorobenzene	333	297	89	1	30	40-140	
Hexachlorobutadiene	333	228	68	1	30	40-140	
Hexachlorobutadiene	333	208	62	0	30	40-140	
Hexachlorocyclopentadiene	333	262	78	0	30	40-140	
Hexachlorocyclopentadiene	333	262	78	0	30	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Matrix: Solid Level: Low Lab File ID: B10413.D

Lab ID: LCSD 360-48742/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Hexachloroethane	333	212	64	1	30	40-140	
Hexachloroethane	333	212	64	1	30	40-140	
Indeno[1,2,3-cd]pyrene	333	328	99	6	30	40-140	
Indeno[1,2,3-cd]pyrene	333	328	99	6	30	40-140	
Isophorone	333	208	62	3	30	40-140	
Isophorone	333	204	61	2	30	40-140	
Naphthalene	333	238	71	4	30	40-140	
Naphthalene	333	242	73	3	30	40-140	
Nitrobenzene	333	244	73	3	30	40-140	
Nitrobenzene	333	220	66	2	30	40-140	
N-Nitrosodimethylamine	333	235	70	0	30	40-140	
N-Nitrosodimethylamine	333	235	70	0	30	40-140	
N-Nitrosodi-n-propylamine	333	244	73	0	30	40-140	
N-Nitrosodi-n-propylamine	333	244	73	0	30	40-140	
N-Nitrosodiphenylamine	333	210	63	1	30	40-140	
N-Nitrosodiphenylamine	333	210	63	1	30	40-140	
Pentachlorophenol	333	239	72	2	30	30-130	
Pentachlorophenol	333	239	72	2	30	30-130	
Phenanthrene	333	303	91	1	30	40-140	
Phenanthrene	333	303	91	1	30	40-140	
Phenol	333	240	72	0	30	30-130	
Phenol	333	240	72	0	30	30-130	
Pyrene	333	310	93	0	30	40-140	
Pyrene	333	310	93	0	30	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Matrix: Solid Level: Low Lab File ID: B10451.D

Lab ID: LCSD 360-48854/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	333	249	75	5	30	40-140	
1,2,4,5-Tetrachlorobenzene	333	208	63	5	30	40-140	
1,2,4-Trichlorobenzene	333	208	63	6	30	40-140	
1,2-Dichlorobenzene	333	212	64	8	30	40-140	
1,3-Dichlorobenzene	333	177	53	7	30	40-140	
1,4-Dichlorobenzene	333	176	53	8	30	40-140	
1-Methylnaphthalene	333	205	62	6	30	40-140	
2,2'-oxybis[1-chloropropane]	333	195	58	7	30	40-140	
2,3,4,6-Tetrachlorophenol	333	221	66	3	30	40-140	
2,4,5-Trichlorophenol	333	255	76	3	30	30-130	
2,4,6-Trichlorophenol	333	241	72	4	30	30-130	
2,4-Dichlorophenol	333	231	69	4	30	30-130	
2,4-Dimethylphenol	333	235	70	2	30	30-130	
2,4-Dinitrophenol	333	199	60	4	30	30-130	
2,4-Dinitrotoluene	333	238	71	3	30	40-140	
2,6-Dinitrotoluene	333	262	79	2	30	40-140	
2-Chloronaphthalene	333	194	58	3	30	40-140	
2-Chlorophenol	333	214	64	4	30	30-130	
2-Methylnaphthalene	333	200	60	5	30	40-140	
2-Methylphenol	333	224	67	7	30	30-130	
2-Nitroaniline	333	252	76	6	30	40-140	
2-Nitrophenol	333	241	72	4	30	30-130	
3 & 4 Methylphenol	333	237	71	5	30	30-130	
3,3'-Dichlorobenzidine	333	236	71	3	30	40-140	
3-Nitroaniline	333	240	72	3	30	40-140	
4,6-Dinitro-2-methylphenol	333	225	67	3	30	30-130	
4-Bromophenyl phenyl ether	333	250	75	5	30	40-140	
4-Chloro-3-methylphenol	333	268	80	2	30	30-130	
4-Chloroaniline	333	170	51	1	30	40-140	
4-Chlorophenyl phenyl ether	333	253	76	4	30	40-140	
4-Nitroaniline	333	254	76	3	30	40-140	
4-Nitrophenol	333	277	83	2	30	30-130	
Acenaphthene	333	281	84	4	30	40-140	
Acenaphthylene	333	243	73	3	30	40-140	
Acetophenone	333	221	66	3	30	40-140	
Aniline	333	88.2	26	3	30	40-140	*
Anthracene	333	294	88	5	30	40-140	
Atrazine	333	271	81	4	30	40-140	
Azobenzene	333	249	75	6	30	40-140	
Benzaldehyde	333	234	70	6	30	40-140	
Benzo[a]anthracene	333	301	90	4	30	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Matrix: Solid Level: Low Lab File ID: B10451.D

Lab ID: LCSD 360-48854/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Benzo[a]pyrene	333	320	96	2	30	40-140	
Benzo[b]fluoranthene	333	272	82	2	30	40-140	
Benzo[g,h,i]perylene	333	296	89	11	30	40-140	
Benzo[k]fluoranthene	333	282	85	2	30	40-140	
Benzoic acid	333	118 J	35	0	30	30-130	
Benzophenone	333	267	80	7	30	40-140	
Benzyl alcohol	333	243	73	5	30	30-130	
Bis(2-chloroethoxy)methane	333	200	60	4	30	40-140	
Bis(2-chloroethyl)ether	333	188	56	7	30	40-140	
Bis(2-ethylhexyl) phthalate	333	261	78	4	30	40-140	
Butyl benzyl phthalate	333	258	77	1	30	40-140	
Caprolactam	333	278	83	3	30	40-140	
Carbazole	333	277	83	3	30	40-140	
Chrysene	333	287	86	3	30	40-140	
Dibenz(a,h)anthracene	333	311	93	12	30	40-140	
Dibenzofuran	333	244	73	3	30	40-140	
Diethyl phthalate	333	267	80	1	30	40-140	
Dimethyl phthalate	333	253	76	3	30	40-140	
Di-n-butyl phthalate	333	312	94	3	30	40-140	
Di-n-octyl phthalate	333	244	73	3	30	40-140	
Diphenyl oxide	333	214	64	7	30	40-140	
Fluoranthene	333	281	84	4	30	40-140	
Fluorene	333	303	91	3	30	40-140	
Hexachlorobenzene	333	245	73	7	30	40-140	
Hexachlorobutadiene	333	179	54	8	30	40-140	
Hexachlorocyclopentadiene	333	186	56	3	30	40-140	
Hexachloroethane	333	188	56	8	30	40-140	
Indeno[1,2,3-cd]pyrene	333	316	95	11	30	40-140	
Isophorone	333	187	56	5	30	40-140	
Naphthalene	333	228	68	7	30	40-140	
Nitrobenzene	333	199	60	7	30	40-140	
N-Nitrosodimethylamine	333	204	61	7	30	40-140	
N-Nitrosodi-n-propylamine	333	230	69	6	30	40-140	
N-Nitrosodiphenylamine	333	179	54	5	30	40-140	
Pentachlorophenol	333	239	72	0	30	30-130	
Phenanthrene	333	267	80	5	30	40-140	
Phenol	333	224	67	3	30	30-130	
Pyrene	333	243	73	1	30	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Lab File ID: B10411.D Lab Sample ID: MB 360-48742/1-A

Matrix: Solid Date Extracted: 09/09/2009 09:58

Instrument ID: Inst. B Date Analyzed: 09/18/2009 21:51

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-48742/2-A	B10412.D	09/18/2009 22:22
	LCSD 360-48742/3-A	B10413.D	09/18/2009 22:54
OC-SB-442-20/22-XXX	360-24365-2	B10430.D	09/19/2009 08:12
OC-SB-447-18/20-XXX DL	360-24365-6 DL	J03316.D	10/04/2009 22:37
OC-SB-447-18/20-XXX	360-24365-6	J03317.D	10/04/2009 23:10

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Lab File ID: B10449.D Lab Sample ID: MB 360-48854/1-A

Matrix: Solid Date Extracted: 09/11/2009 11:42

Instrument ID: Inst. B Date Analyzed: 09/21/2009 20:33

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-48854/2-A	B10450.D	09/21/2009 21:05
	LCSD 360-48854/3-A	B10451.D	09/21/2009 21:36
OC-SB-452-13/15-XXX	360-24365-9	B10457.D	09/22/2009 01:44
OC-SB-458-22/24-XXX	360-24365-14	B10460.D	09/22/2009 03:17
OC-SB-460-30/32-XXX	360-24365-17	B10463.D	09/22/2009 04:50

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Lab File ID: B10400.D DFTPP Injection Date: 09/18/2009

Instrument ID: Inst. B DFTPP Injection Time: 16:08

Analysis Batch No.: 49189

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	42.1	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	39.1	
70	Less than 2.0 % of mass 69	0.2	(0.6)1
127	40.0 - 60.0 % of mass 198	50.9	
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	7.2	
275	10.0 - 30.0 % of mass 198	26.3	
365	Greater than 1.0 % of mass 198	3.3	
441	Present but less than mass 443	12.6	
442	Greater than 40.0 % of mass 198	77.2	
443	17.0 - 23.0 % of mass 442	15.5	(20.1)2

1-Value is % mass 69 2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 360-49189/2	B10401.D	09/18/2009	16:39
	STD01 360-49189/3	B10402.D	09/18/2009	17:10
	STD025 360-49189/4	B10403.D	09/18/2009	17:41
	STD05 360-49189/5	B10404.D	09/18/2009	18:12
	STD1 360-49189/6	B10405.D	09/18/2009	18:44
	STD25 360-49189/7	B10406.D	09/18/2009	19:15
	STD8 360-49189/8	B10407.D	09/18/2009	19:46
	STD10 360-49189/9	B10408.D	09/18/2009	20:17
	STD20 360-49189/10	B10409.D	09/18/2009	20:49
	MB 360-48742/1-A	B10411.D	09/18/2009	21:51
	LCS 360-48742/2-A	B10412.D	09/18/2009	22:22
	LCSD 360-48742/3-A	B10413.D	09/18/2009	22:54

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Lab File ID: B10414.D DFTPP Injection Date: 09/18/2009

Instrument ID: Inst. B DFTPP Injection Time: 23:25

Analysis Batch No.: 49187

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	40.5	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	37.0	
70	Less than 2.0 % of mass 69	0.1	(0.4)1
127	40.0 - 60.0 % of mass 198	48.6	
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	7.1	
275	10.0 - 30.0 % of mass 198	27.6	
365	Greater than 1.0 % of mass 198	3.7	
441	Present but less than mass 443	14.1	
442	Greater than 40.0 % of mass 198	85.2	
443	17.0 - 23.0 % of mass 442	16.9	(19.9)2

1-Value is % mass 69 2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 360-49187/2	B10415.D	09/18/2009	23:56
OC-SB-442-20/22-XXX	360-24365-2	B10430.D	09/19/2009	08:12

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Lab File ID: B10438.D DFTPP Injection Date: 09/21/2009

Instrument ID: Inst. B DFTPP Injection Time: 14:53

Analysis Batch No.: 49265

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	37.4	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	37.0	
70	Less than 2.0 % of mass 69	0.2	(0.7)1
127	40.0 - 60.0 % of mass 198	49.6	
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	7.3	
275	10.0 - 30.0 % of mass 198	28.6	
365	Greater than 1.0 % of mass 198	3.6	
441	Present but less than mass 443	16.3	
442	Greater than 40.0 % of mass 198	97.1	
443	17.0 - 23.0 % of mass 442	19.4	(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
	STD01 360-49265/3	B10440.D	09/21/2009	15:55
	STD025 360-49265/4	B10441.D	09/21/2009	16:25
	STD05 360-49265/5	B10442.D	09/21/2009	16:56
	STD1 360-49265/6	B10443.D	09/21/2009	17:27
	STD25 360-49265/7	B10444.D	09/21/2009	17:58
	STD8 360-49265/8	B10445.D	09/21/2009	18:29
	STD10 360-49265/9	B10446.D	09/21/2009	19:00
	STD20 360-49265/10	B10447.D	09/21/2009	19:31
	MB 360-48854/1-A	B10449.D	09/21/2009	20:33
	LCS 360-48854/2-A	B10450.D	09/21/2009	21:05
	LCSD 360-48854/3-A	B10451.D	09/21/2009	21:36

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Lab File ID: B10452.D DFTPP Injection Date: 09/21/2009

Instrument ID: Inst. B DFTPP Injection Time: 22:07

Analysis Batch No.: 49266

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	40.6	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	38.3	
70	Less than 2.0 % of mass 69	0.1	(0.4)1
127	40.0 - 60.0 % of mass 198	50.8	
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	7.3	
275	10.0 - 30.0 % of mass 198	28.5	
365	Greater than 1.0 % of mass 198	3.5	
441	Present but less than mass 443	14.3	
442	Greater than 40.0 % of mass 198	83.9	
443	17.0 - 23.0 % of mass 442	17.5	(20.9)2

1-Value is % mass 69 2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 360-49266/16	B10453.D	09/21/2009	22:38
OC-SB-452-13/15-XXX	360-24365-9	B10457.D	09/22/2009	01:44
OC-SB-458-22/24-XXX	360-24365-14	B10460.D	09/22/2009	03:17
OC-SB-460-30/32-XXX	360-24365-17	B10463.D	09/22/2009	04:50

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Lab File ID: J03293.D DFTPP Injection Date: 10/04/2009

Instrument ID: Inst. J DFTPP Injection Time: 10:01

Analysis Batch No.: 49846

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	40.9	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	46.6	
70	Less than 2.0 % of mass 69	0.2	(0.5)1
127	40.0 - 60.0 % of mass 198	55.5	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.7	
275	10.0 - 30.0 % of mass 198	28.7	
365	Greater than 1.0 % of mass 198	5.2	
441	Present but less than mass 443	11.3	
442	Greater than 40.0 % of mass 198	77.7	
443	17.0 - 23.0 % of mass 442	14.4	(18.5)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
	STD5 360-49846/2	J03294.D	10/04/2009	10:34
	STD01 360-49846/3	J03295.D	10/04/2009	11:07
	STD025 360-49846/4	J03296.D	10/04/2009	11:39
	STD05 360-49846/5	J03297.D	10/04/2009	12:12
	STD1 360-49846/6	J03298.D	10/04/2009	12:45
	STD25 360-49846/7	J03299.D	10/04/2009	13:18
	STD8 360-49846/8	J03300.D	10/04/2009	13:51
	STD10 360-49846/9	J03301.D	10/04/2009	14:24
	STD20 360-49846/10	J03302.D	10/04/2009	14:57

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Lab File ID: J03304.D DFTPP Injection Date: 10/04/2009

Instrument ID: Inst. J DFTPP Injection Time: 16:02

Analysis Batch No.: 49847

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	46.1	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	49.1	
70	Less than 2.0 % of mass 69	0.3	(0.6)1
127	40.0 - 60.0 % of mass 198	58.7	
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	7.0	
275	10.0 - 30.0 % of mass 198	26.9	
365	Greater than 1.0 % of mass 198	4.7	
441	Present but less than mass 443	9.4	
442	Greater than 40.0 % of mass 198	64.1	
443	17.0 - 23.0 % of mass 442	12.1	(18.9)2

1-Value is % mass 69 2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 360-49847/13	J03305.D	10/04/2009	16:35
OC-SB-447-18/20-XXX DL	360-24365-6 DL	J03316.D	10/04/2009	22:37
OC-SB-447-18/20-XXX	360-24365-6	J03317.D	10/04/2009	23:10

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Sample No.: CCV 360-49187/2 Date Analyzed: 09/18/2009 23:56

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um)

Lab File ID (Standard): B10415.D Heated Purge: (Y/N) N

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		678698	8.11	1642572	9.24	670631	10.75
UPPER LIMIT		1357396	8.61	3285144	9.74	1341262	11.25
LOWER LIMIT		339349	7.61	821286	8.74	335316	10.25
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24365-2	OC-SB-442-20/22-XXX	566273	8.12	1283922	9.25	685420	10.75

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.50 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Sample No.: CCV 360-49187/2 Date Analyzed: 09/18/2009 23:56

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um)

Lab File ID (Standard): B10415.D Heated Purge: (Y/N) N

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		1135519	12.02	953955	15.74	554284	18.31
UPPER LIMIT		2271038	12.52	1907910	16.24	1108568	18.81
LOWER LIMIT		567760	11.52	476978	15.24	277142	17.81
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24365-2	OC-SB-442-20/22-XXX	1138963	12.03	625784	15.75	509908	18.35

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.50 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Sample No.: CCV 360-49266/16 Date Analyzed: 09/21/2009 22:38

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um)

Lab File ID (Standard): B10453.D Heated Purge: (Y/N) N

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		638341	7.90	1600370	9.03	616436	10.53
UPPER LIMIT		1276682	8.40	3200740	9.53	1232872	11.03
LOWER LIMIT		319171	7.40	800185	8.53	308218	10.03
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24365-9	OC-SB-452-13/15-XXX	492771	7.90	1180200	9.03	610833	10.53
360-24365-14	OC-SB-458-22/24-XXX	533329	7.90	1307025	9.03	675802	10.53
360-24365-17	OC-SB-460-30/32-XXX	448106	7.90	1078570	9.03	545232	10.53

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.50 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Sample No.: CCV 360-49266/16 Date Analyzed: 09/21/2009 22:38

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um)

Lab File ID (Standard): B10453.D Heated Purge: (Y/N) N

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		1029860	11.80	673112	15.40	402663	17.84
UPPER LIMIT		2059720	12.30	1346224	15.90	805326	18.34
LOWER LIMIT		514930	11.30	336556	14.90	201332	17.34
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24365-9	OC-SB-452-13/15-XXX	1047804	11.80	677149	15.40	558692	17.85
360-24365-14	OC-SB-458-22/24-XXX	1159054	11.80	717427	15.40	485370	17.85
360-24365-17	OC-SB-460-30/32-XXX	938371	11.80	535715	15.40	318713	17.84

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.50 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Sample No.: CCV 360-49847/13 Date Analyzed: 10/04/2009 16:35

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um)

Lab File ID (Standard): J03305.D Heated Purge: (Y/N) N

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		53964	7.32	135680	8.63	51122	10.40
UPPER LIMIT		107928	7.82	271360	9.13	102244	10.90
LOWER LIMIT		26982	6.82	67840	8.13	25561	9.90
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24365-6 DL	OC-SB-447-18/20-XXX DL	47416	7.32	117057	8.63	54244	10.40
360-24365-6	OC-SB-447-18/20-XXX	58680	7.32	120952	8.63	66040	10.40

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.50 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Sample No.: CCV 360-49847/13 Date Analyzed: 10/04/2009 16:35

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um)

Lab File ID (Standard): J03305.D Heated Purge: (Y/N) N

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		64859	11.85	28849	14.52	14568	15.99
UPPER LIMIT		129718	12.35	57698	15.02	29136	16.49
LOWER LIMIT		32430	11.35	14425	14.02	7284	15.49
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24365-6 DL	OC-SB-447-18/20-XXX DL	65720	11.85	31812	14.51	22772	15.99
360-24365-6	OC-SB-447-18/20-XXX	96014	11.85	54275	14.52	31100*	15.99

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.50 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: OC-SB-442-20/22-XXX | Lab Sample ID: 360-24365-2

Matrix: Solid | Lab File ID: B10430.D

Analysis Method: 8270C LL | Date Collected: 08/31/2009 13:20

Extract. Method: 3546 | Date Extracted: 09/09/2009 09:58

Sample wt/vol: 30.20(g) | Date Analyzed: 09/19/2009 08:12

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

% Moisture: 6.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49187 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		36	11
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		36	11
120-82-1	1,2,4-Trichlorobenzene	ND		36	11
95-50-1	1,2-Dichlorobenzene	ND		36	11
541-73-1	1,3-Dichlorobenzene	ND		36	11
106-46-7	1,4-Dichlorobenzene	ND		36	11
90-12-0	1-Methylnaphthalene	ND		36	11
108-60-1	2,2'-oxybis[1-chloropropane]	ND		36	11
58-90-2	2,3,4,6-Tetrachlorophenol	ND		36	11
95-95-4	2,4,5-Trichlorophenol	ND		36	11
88-06-2	2,4,6-Trichlorophenol	ND		36	11
120-83-2	2,4-Dichlorophenol	ND		36	11
105-67-9	2,4-Dimethylphenol	ND		36	14
51-28-5	2,4-Dinitrophenol	ND		36	11
121-14-2	2,4-Dinitrotoluene	ND		36	11
606-20-2	2,6-Dinitrotoluene	ND		36	11
91-58-7	2-Chloronaphthalene	ND		36	11
95-57-8	2-Chlorophenol	ND		36	11
91-57-6	2-Methylnaphthalene	ND		36	11
95-48-7	2-Methylphenol	ND		36	21
88-74-4	2-Nitroaniline	ND		180	11
88-75-5	2-Nitrophenol	ND		36	11
15831-10-4	3 & 4 Methylphenol	ND		36	11
91-94-1	3,3'-Dichlorobenzidine	ND	*	71	11
99-09-2	3-Nitroaniline	ND		180	11
534-52-1	4,6-Dinitro-2-methylphenol	ND		180	11
101-55-3	4-Bromophenyl phenyl ether	ND		36	11
59-50-7	4-Chloro-3-methylphenol	ND		71	11
106-47-8	4-Chloroaniline	ND		71	11
7005-72-3	4-Chlorophenyl phenyl ether	ND		36	11
100-01-6	4-Nitroaniline	ND		180	11
100-02-7	4-Nitrophenol	ND		180	11
83-32-9	Acenaphthene	ND		36	11
208-96-8	Acenaphthylene	ND		36	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: OC-SB-442-20/22-XXX | Lab Sample ID: 360-24365-2

Matrix: Solid | Lab File ID: B10430.D

Analysis Method: 8270C LL | Date Collected: 08/31/2009 13:20

Extract. Method: 3546 | Date Extracted: 09/09/2009 09:58

Sample wt/vol: 30.20(g) | Date Analyzed: 09/19/2009 08:12

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

% Moisture: 6.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49187 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		36	11
62-53-3	Aniline	ND	*	36	11
120-12-7	Anthracene	ND		36	11
1912-24-9	Atrazine	ND		36	11
103-33-3	Azobenzene	ND		36	11
100-52-7	Benzaldehyde	ND		36	11
56-55-3	Benzo[a]anthracene	ND		36	11
50-32-8	Benzo[a]pyrene	ND		36	11
205-99-2	Benzo[b]fluoranthene	ND		36	11
191-24-2	Benzo[g,h,i]perylene	ND		36	11
207-08-9	Benzo[k]fluoranthene	ND		36	11
65-85-0	Benzoic acid	ND	*	180	16
119-61-9	Benzophenone	ND		36	11
100-51-6	Benzyl alcohol	ND		71	30
111-91-1	Bis(2-chloroethoxy)methane	ND		36	11
111-44-4	Bis(2-chloroethyl)ether	ND		36	11
117-81-7	Bis(2-ethylhexyl) phthalate	ND		36	11
85-68-7	Butyl benzyl phthalate	ND		36	11
105-60-2	Caprolactam	ND		36	11
86-74-8	Carbazole	ND		36	11
218-01-9	Chrysene	ND		36	11
53-70-3	Dibenz(a,h)anthracene	ND		36	11
132-64-9	Dibenzofuran	ND		36	11
84-66-2	Diethyl phthalate	ND		36	11
131-11-3	Dimethyl phthalate	ND		36	11
84-74-2	Di-n-butyl phthalate	ND		36	31
117-84-0	Di-n-octyl phthalate	ND		36	18
101-84-8	Diphenyl oxide	ND		36	11
206-44-0	Fluoranthene	ND		36	11
86-73-7	Fluorene	ND		36	11
118-74-1	Hexachlorobenzene	ND		36	11
87-68-3	Hexachlorobutadiene	ND		36	11
77-47-4	Hexachlorocyclopentadiene	ND		71	11
67-72-1	Hexachloroethane	ND		36	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: OC-SB-442-20/22-XXX | Lab Sample ID: 360-24365-2

Matrix: Solid | Lab File ID: B10430.D

Analysis Method: 8270C LL | Date Collected: 08/31/2009 13:20

Extract. Method: 3546 | Date Extracted: 09/09/2009 09:58

Sample wt/vol: 30.20(g) | Date Analyzed: 09/19/2009 08:12

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

% Moisture: 6.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49187 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	ND		36	11
78-59-1	Isophorone	ND		36	11
91-20-3	Naphthalene	ND		85	11
98-95-3	Nitrobenzene	ND		36	11
62-75-9	N-Nitrosodimethylamine	ND		36	13
621-64-7	N-Nitrosodi-n-propylamine	ND		36	11
86-30-6	N-Nitrosodiphenylamine	ND		36	11
87-86-5	Pentachlorophenol	ND		36	11
85-01-8	Phenanthrene	ND		43	11
108-95-2	Phenol	ND		36	11
129-00-0	Pyrene	ND		36	11

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	55	30-130	
321-60-8	2-Fluorobiphenyl	64	30-130	
367-12-4	2-Fluorophenol	66	30-130	
4165-60-0	Nitrobenzene-d5	71	30-130	
4165-62-2	Phenol-d5	57	30-130	
1718-51-0	Terphenyl-d14	87	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: OC-SB-442-20/22-XXX | Lab Sample ID: 360-24365-2

Matrix: Solid | Lab File ID: B10430.D

Analysis Method: 8270C LL | Date Collected: 08/31/2009 13:20

Extract. Method: 3546 | Date Extracted: 09/09/2009 09:58

Sample wt/vol: 30.20(g) | Date Analyzed: 09/19/2009 08:12

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

% Moisture: 6.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49187 | Units: ug/Kg

Number TICs Found: 5 | TIC Result Total: 73

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.30	15	T J
615-22-5	Benzothiazole, 2-(methylthio)-	11.29	17	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	11.65	12	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	12.06	11	T J N
630-3-5	Nonacosane	16.42	18	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-2.b\B10430.D		
Lims ID:	360-24365-A-2-A	Client ID:	OC-SB-442-20/22-XXX
Inject. Date:	19-Sep-2009 08:12:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24365-a-2-a		
Misc. Info.:	360-0001226-020		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	31
Lims Batch ID:	49187	Lims Sample ID:	20
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090918-2.b\8270B.m		
Last Update:	22-Sep-2009 12:46:51	Calib Date:	18-Sep-2009 20:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10409.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	22-Sep-2009 12:49:46

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.121	8.113	0.008	566273	2.00	
* 2 Naphthalene-d8	136	9.246	9.238	0.008	1283922	2.00	
* 3 Acenaphthene-d10	164	10.751	10.748	0.003	685420	2.00	
* 4 Phenanthrene-d10	188	12.030	12.017	0.013	1138963	2.00	
* 5 Chrysene-d12	240	15.752	15.735	0.017	625784	2.00	
* 6 Perylene-d12	264	18.349	18.307	0.042	509908	2.00	
$ 7 2-Fluorophenol	112	6.914	6.862	0.052	1024856	6.61	
$ 8 Phenol-d5	99	7.751	7.728	0.023	1063455	5.71	
$ 9 Nitrobenzene-d5	82	8.607	8.603	0.004	594216	3.53	
$ 10 2-Fluorobiphenyl	172	10.136	10.132	0.004	1378864	3.21	
$ 11 2,4,6-Tribromophenol	330	11.429	11.416	0.013	206701	5.53	
$ 12 Terphenyl-d14	244	13.766	13.749	0.017	982631	4.33	
30 Acetophenone	105	8.462	8.454	0.008	17124	0.0740	
52 1,1'-Biphenyl	154	10.232	10.228	0.004	13657	0.0289	M
54 Phenyl ether	170	10.314	10.305	0.009	28643	0.1354	
66 Diethyl phthalate	149	11.030	11.027	0.003	5277	0.0126	
84 Di-n-butyl phthalate	149	12.439	12.431	0.008	128801	0.1965	
92 Bis(2-ethylhexyl) phthalate	149	15.613	15.605	0.008	38795	0.1751	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-2.b\B10430.D		
Lims ID:	360-24365-A-2-A	Client ID:	OC-SB-442-20/22-XXX
Inject. Date:	19-Sep-2009 08:12:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24365-a-2-a		
Misc. Info.:	360-0001226-020		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	31
Lims Batch ID:	49187	Lims Sample ID:	20
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090918-2.b\8270B.m		
Last Update:	22-Sep-2009 12:46:51	Calib Date:	18-Sep-2009 20:49:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 12:49:46

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Alpha-Terpineol	9.246	2670	0.0213	
Pentachloronitrobenzene	11.848	420	0.0659	
Benzidine	13.425	135	0.6573	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
7.299	509650	0.4319	1			
	615-22-5	Benzothiazole, 2-(methylthio)-				
11.285	706685	0.4764	3	99	125390	
	3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3				
11.646	522029	0.3460	4	93	87885	
	22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene				
12.064	452406	0.2999	4	93	64461	
	630-3-5	Nonacosane				
16.421	444538	0.5077	5	98	109621	

Quantitation Compounds

Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	8.121	2360228	2.00
* 3 Acenaphthene-d10	10.751	2966637	2.00
* 4 Phenanthrene-d10	12.030	3017371	2.00

Report Date: 22-Sep-2009 12:49:47 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTB.i\20090918-2.b\B10430.D

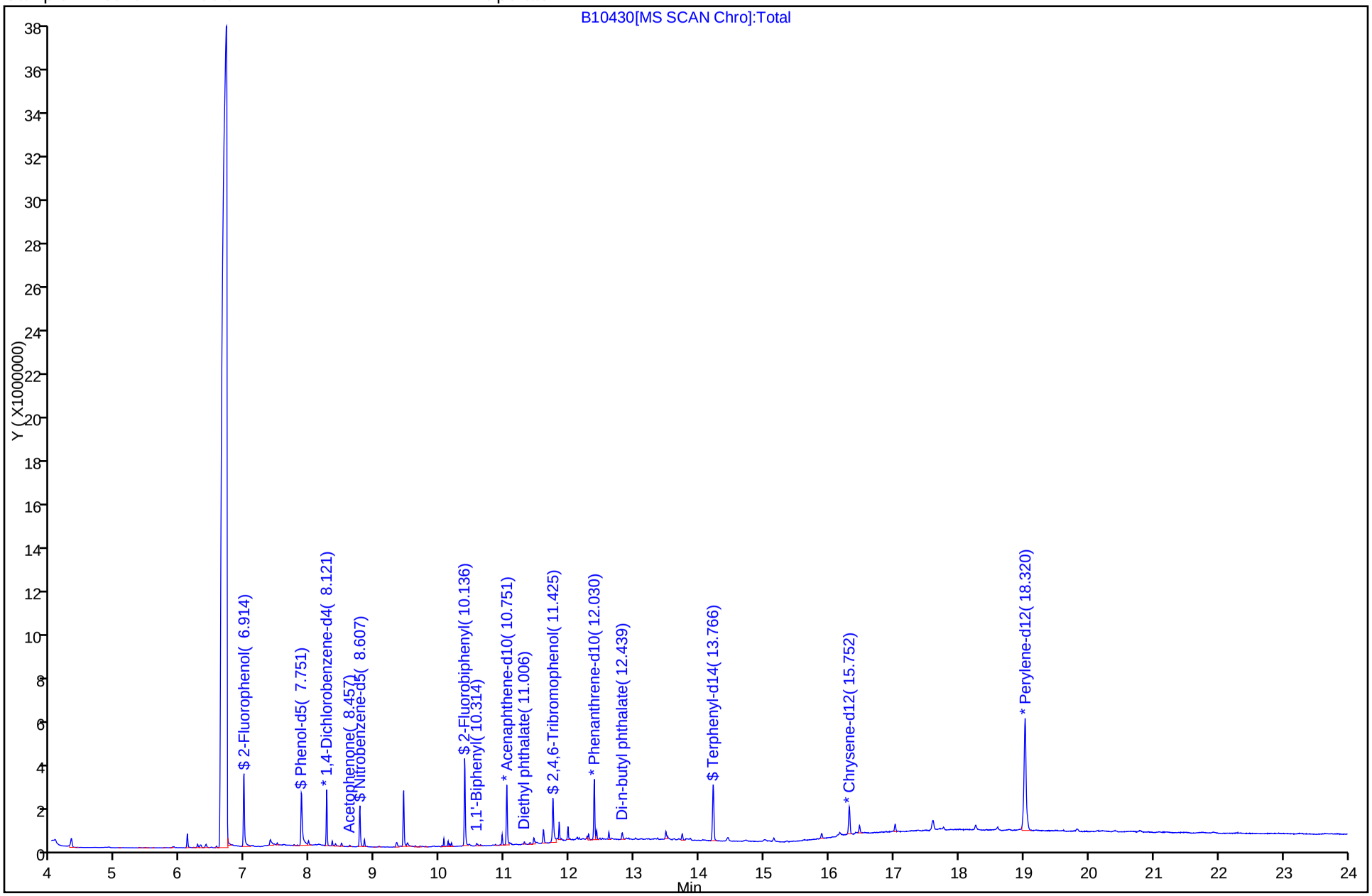
Compound	RT	Response	Amount ug/mL
* 5 Chrysene-d12	15.752	1751042	2.00

QC Flag Legend

Processing Flags

Report Date: 22-Sep-2009 12:49:47 Chrom Revision: 1.1 20-Sep-2009 21:03:36

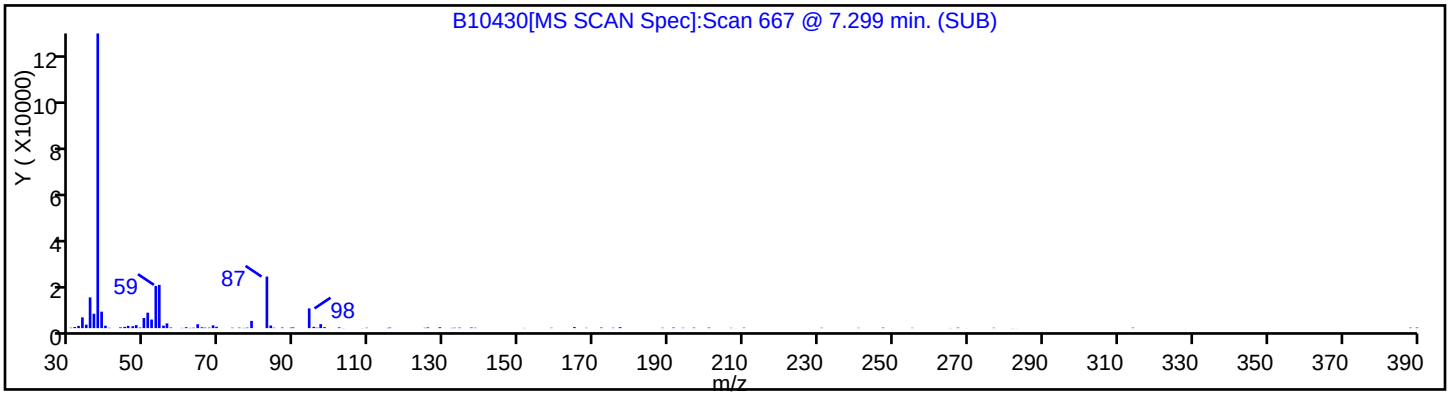
Data File:	\\wessvr06\chromdata\INSTB.i\20090918-2.b\B10430.D		
Inj Date:	19-Sep-2009 08:12:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49187	Lims Sample ID:	20
Client ID:	OC-SB-442-20/22-XXX	Instrument:	Inst. B
Sample Info:	360-24365-a-2-a		
Sample Amount:	1.00 uL	Operator:	MZ



Report Date: 22-Sep-2009 12:49:51 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-2.b\B10430.D		
Inj Date:	19-Sep-2009 08:12:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49187	Lims Sample ID:	20
Client ID:	OC-SB-442-20/22-XXX	Instrument:	Inst. B
Sample Info:	360-24365-a-2-a		
Sample Amount:	1.00 uL	Operator:	MZ

No Library Matches Found above the Threshold: 50



Report Date: 22-Sep-2009 12:49:51 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090918-2.b\B10430.D

Inj Date: 19-Sep-2009 08:12:30 Limit Group: SMS - 8270LL SVOA Calibration

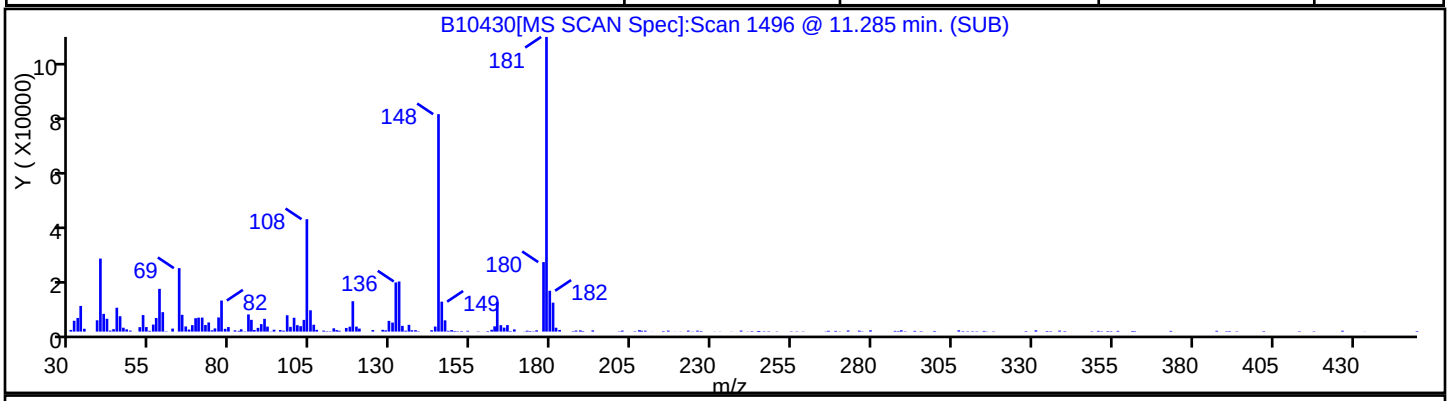
Lims Batch ID: 49187 Lims Sample ID: 20

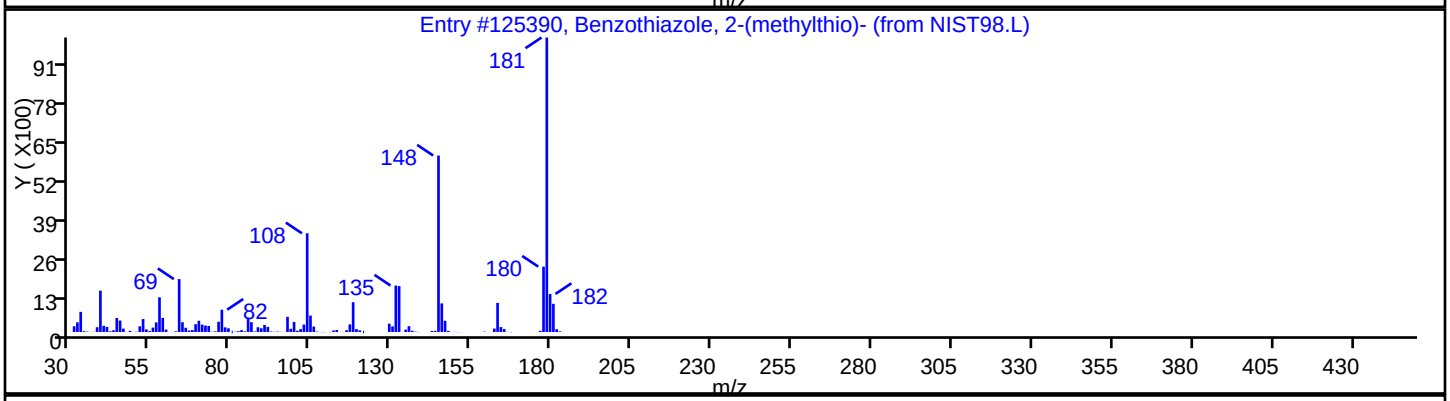
Client ID: OC-SB-442-20/22-XXX Instrument: Inst. B

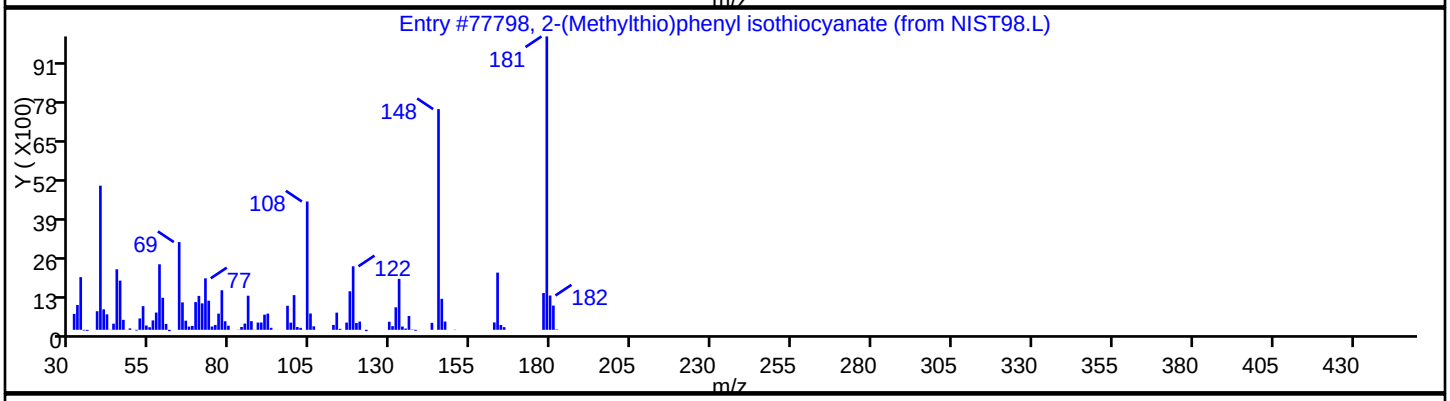
Sample Info: 360-24365-a-2-a

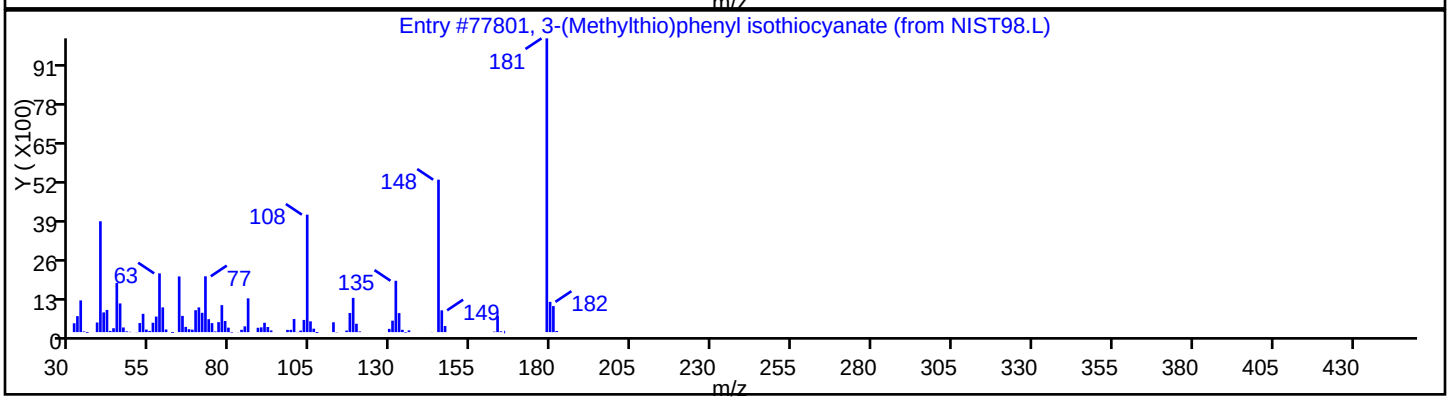
Sample Amount: 1.00 uL Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzothiazole, 2-(methylthio)-	615-22-5	NIST98.L	125390	99
2-(Methylthio)phenyl isothiocyanate	51333-75-6	NIST98.L	77798	90
3-(Methylthio)phenyl isothiocyanate	51333-80-3	NIST98.L	77801	58





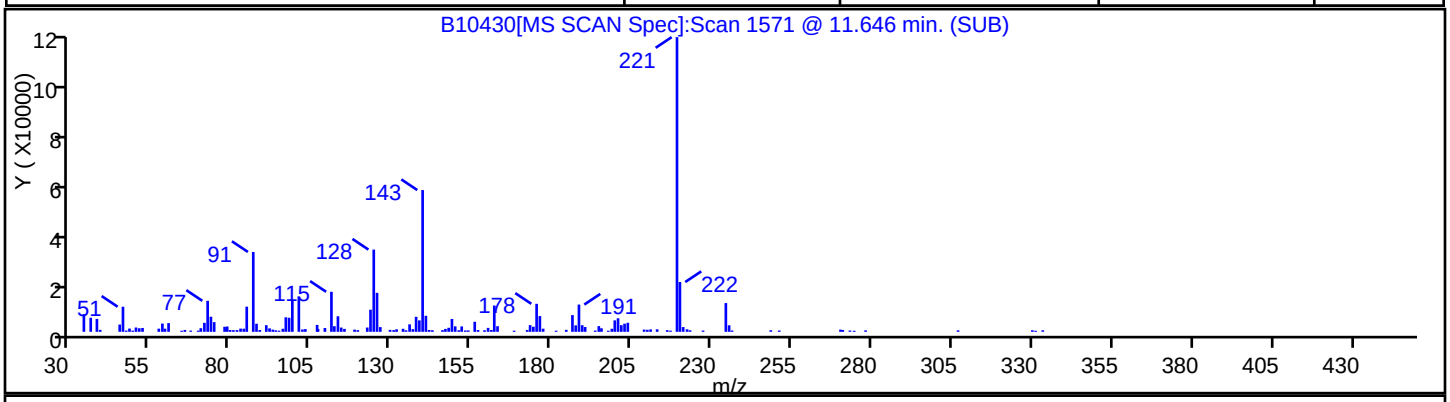


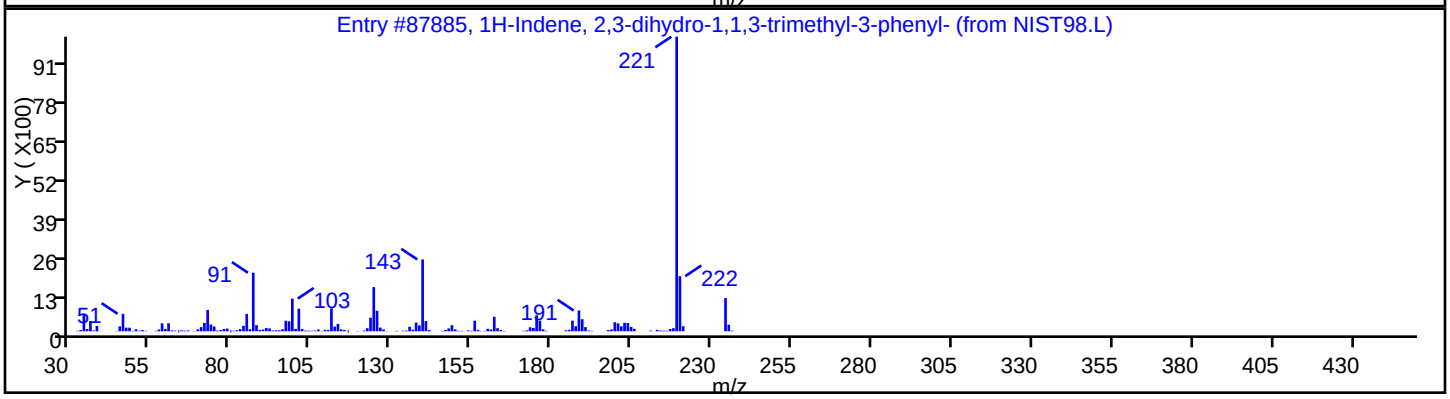


Report Date: 22-Sep-2009 12:49:51 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-2.b\B10430.D		
Inj Date:	19-Sep-2009 08:12:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49187	Lims Sample ID:	20
Client ID:	OC-SB-442-20/22-XXX	Instrument:	Inst. B
Sample Info:	360-24365-a-2-a		
Sample Amount:	1.00 uL	Operator:	MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	3910-35-8	NIST98.L	87885	93

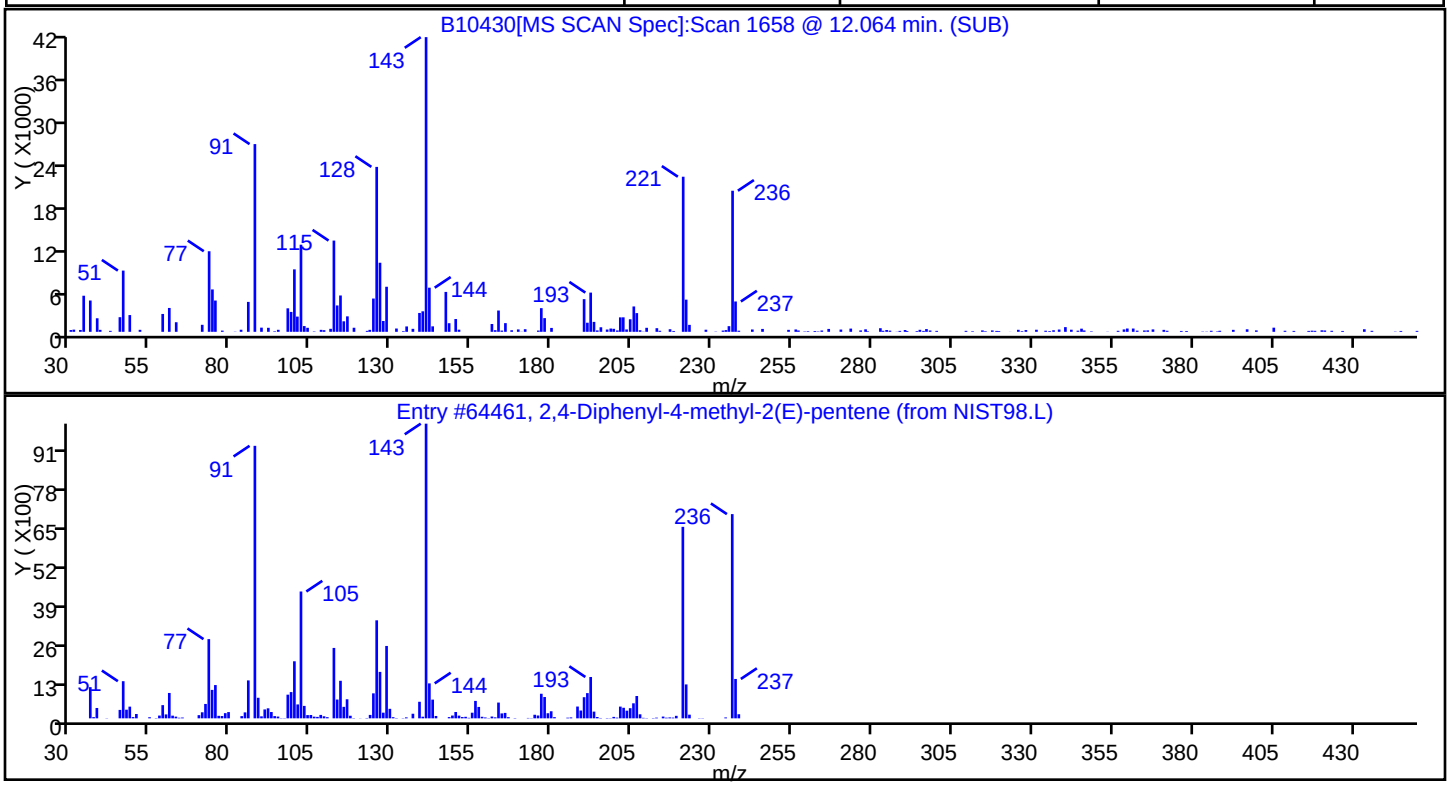




Report Date: 22-Sep-2009 12:49:52 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-2.b\B10430.D		
Inj Date:	19-Sep-2009 08:12:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49187	Lims Sample ID:	20
Client ID:	OC-SB-442-20/22-XXX	Instrument:	Inst. B
Sample Info:	360-24365-a-2-a		
Sample Amount:	1.00 uL	Operator:	MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
2,4-Diphenyl-4-methyl-2(E)-pentene	22768-22-5	NIST98.L	64461	93



Report Date: 22-Sep-2009 12:49:52 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090918-2.b\B10430.D

Inj Date: 19-Sep-2009 08:12:30 Limit Group: SMS - 8270LL SVOA Calibration

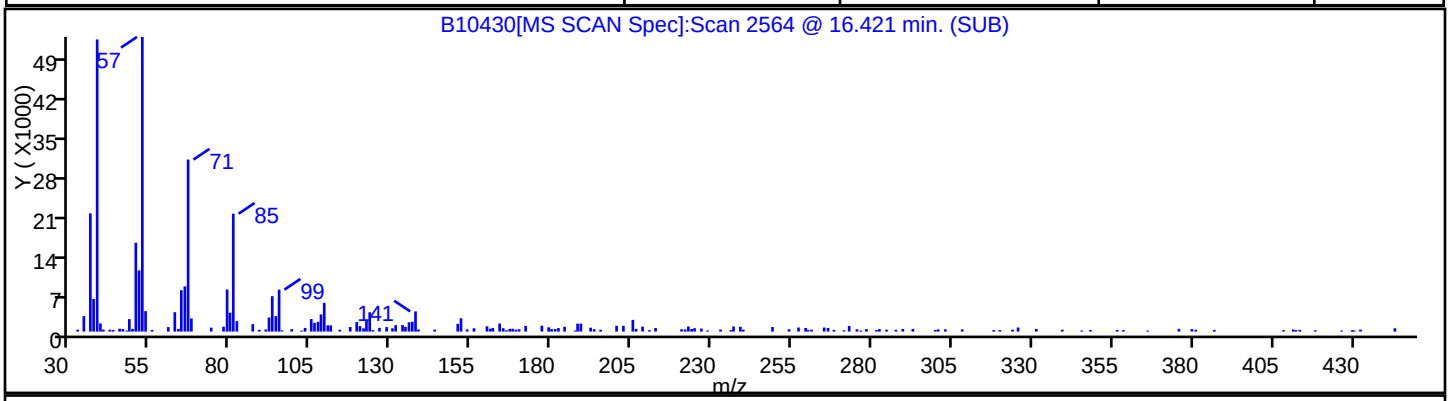
Lims Batch ID: 49187 Lims Sample ID: 20

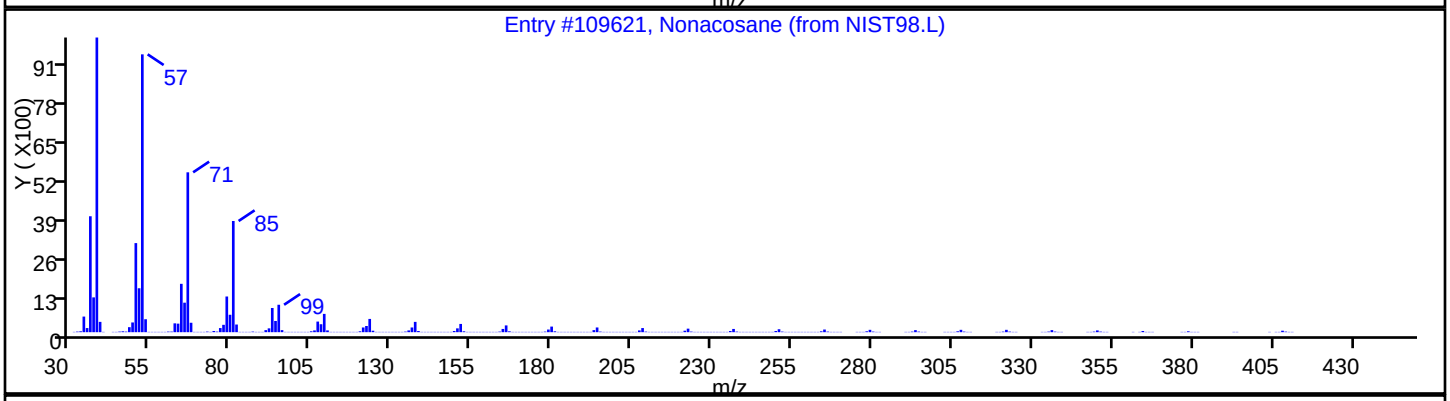
Client ID: OC-SB-442-20/22-XXX Instrument: Inst. B

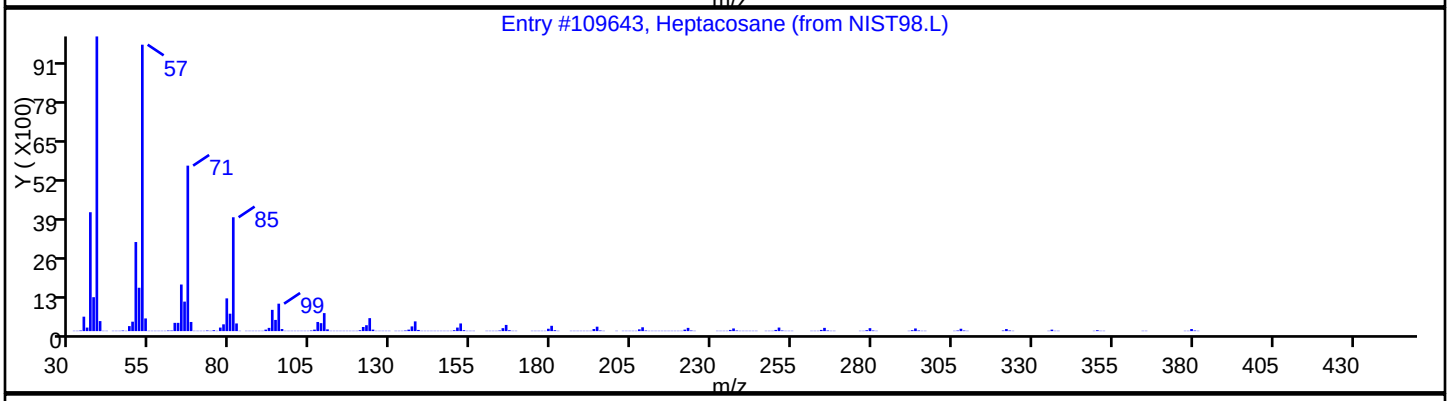
Sample Info: 360-24365-a-2-a

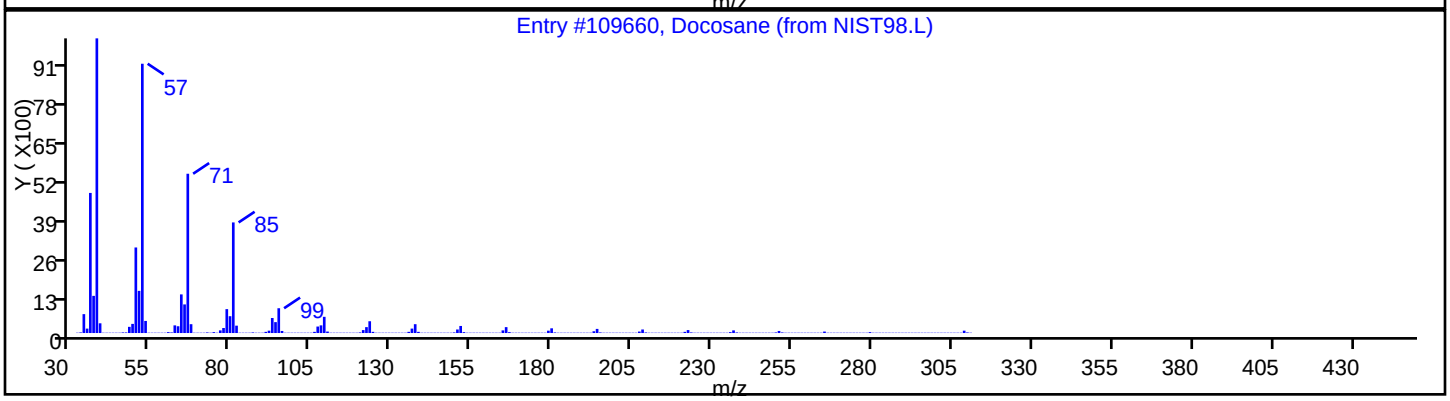
Sample Amount: 1.00 uL Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Nonacosane	630-3-5	NIST98.L	109621	98
Heptacosane	593-49-7	NIST98.L	109643	98
Docosane	629-97-0	NIST98.L	109660	93









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: OC-SB-447-18/20-XXX | Lab Sample ID: 360-24365-6

Matrix: Solid | Lab File ID: J03317.D

Analysis Method: 8270C LL | Date Collected: 08/31/2009 09:05

Extract. Method: 3546 | Date Extracted: 09/09/2009 09:58

Sample wt/vol: 30.09(g) | Date Analyzed: 10/04/2009 23:10

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

% Moisture: 9.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49847 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	330		37	11
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		37	11
120-82-1	1,2,4-Trichlorobenzene	ND		37	11
95-50-1	1,2-Dichlorobenzene	ND		37	11
541-73-1	1,3-Dichlorobenzene	ND		37	11
106-46-7	1,4-Dichlorobenzene	ND		37	11
90-12-0	1-Methylnaphthalene	ND		37	11
108-60-1	2,2'-oxybis[1-chloropropane]	ND		37	11
58-90-2	2,3,4,6-Tetrachlorophenol	ND		37	11
95-95-4	2,4,5-Trichlorophenol	ND		37	11
88-06-2	2,4,6-Trichlorophenol	ND		37	11
120-83-2	2,4-Dichlorophenol	ND		37	11
105-67-9	2,4-Dimethylphenol	ND		37	14
51-28-5	2,4-Dinitrophenol	ND		37	11
121-14-2	2,4-Dinitrotoluene	ND		37	11
606-20-2	2,6-Dinitrotoluene	ND		37	11
91-58-7	2-Chloronaphthalene	ND		37	11
95-57-8	2-Chlorophenol	ND		37	11
91-57-6	2-Methylnaphthalene	ND		37	11
95-48-7	2-Methylphenol	ND		37	22
88-74-4	2-Nitroaniline	ND		180	11
88-75-5	2-Nitrophenol	ND		37	11
15831-10-4	3 & 4 Methylphenol	ND		37	11
91-94-1	3,3'-Dichlorobenzidine	ND		73	11
99-09-2	3-Nitroaniline	ND		180	11
534-52-1	4,6-Dinitro-2-methylphenol	ND		180	11
101-55-3	4-Bromophenyl phenyl ether	ND		37	11
59-50-7	4-Chloro-3-methylphenol	ND		73	11
106-47-8	4-Chloroaniline	ND		73	11
7005-72-3	4-Chlorophenyl phenyl ether	ND		37	11
100-01-6	4-Nitroaniline	ND		180	11
100-02-7	4-Nitrophenol	ND		180	11
83-32-9	Acenaphthene	ND		37	11
208-96-8	Acenaphthylene	ND		37	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: OC-SB-447-18/20-XXX | Lab Sample ID: 360-24365-6

Matrix: Solid | Lab File ID: J03317.D

Analysis Method: 8270C LL | Date Collected: 08/31/2009 09:05

Extract. Method: 3546 | Date Extracted: 09/09/2009 09:58

Sample wt/vol: 30.09(g) | Date Analyzed: 10/04/2009 23:10

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

% Moisture: 9.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49847 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		37	11
62-53-3	Aniline	ND		37	11
120-12-7	Anthracene	ND		37	11
1912-24-9	Atrazine	ND		37	11
103-33-3	Azobenzene	ND		37	11
100-52-7	Benzaldehyde	ND		37	11
56-55-3	Benzo[a]anthracene	ND		37	11
50-32-8	Benzo[a]pyrene	ND		37	11
205-99-2	Benzo[b]fluoranthene	ND		37	11
191-24-2	Benzo[g,h,i]perylene	ND		37	11
207-08-9	Benzo[k]fluoranthene	ND		37	11
65-85-0	Benzoic acid	ND		180	16
119-61-9	Benzophenone	ND		37	11
100-51-6	Benzyl alcohol	ND		73	31
111-91-1	Bis(2-chloroethoxy)methane	ND		37	11
111-44-4	Bis(2-chloroethyl)ether	ND		37	11
117-81-7	Bis(2-ethylhexyl) phthalate	22	J	37	11
85-68-7	Butyl benzyl phthalate	ND		37	11
105-60-2	Caprolactam	ND		37	11
86-74-8	Carbazole	ND		37	11
218-01-9	Chrysene	ND		37	11
53-70-3	Dibenz(a,h)anthracene	ND		37	11
132-64-9	Dibenzofuran	ND		37	11
84-66-2	Diethyl phthalate	ND		37	11
131-11-3	Dimethyl phthalate	ND		37	11
84-74-2	Di-n-butyl phthalate	ND		37	32
117-84-0	Di-n-octyl phthalate	ND		37	18
206-44-0	Fluoranthene	ND		37	11
86-73-7	Fluorene	ND		37	11
118-74-1	Hexachlorobenzene	ND		37	11
87-68-3	Hexachlorobutadiene	ND		37	11
77-47-4	Hexachlorocyclopentadiene	ND		73	11
67-72-1	Hexachloroethane	ND		37	11
193-39-5	Indeno[1,2,3-cd]pyrene	ND		37	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: OC-SB-447-18/20-XXX | Lab Sample ID: 360-24365-6

Matrix: Solid | Lab File ID: J03317.D

Analysis Method: 8270C LL | Date Collected: 08/31/2009 09:05

Extract. Method: 3546 | Date Extracted: 09/09/2009 09:58

Sample wt/vol: 30.09(g) | Date Analyzed: 10/04/2009 23:10

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

% Moisture: 9.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49847 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
78-59-1	Isophorone	ND		37	11
91-20-3	Naphthalene	ND		88	11
98-95-3	Nitrobenzene	ND		37	11
62-75-9	N-Nitrosodimethylamine	ND		37	13
621-64-7	N-Nitrosodi-n-propylamine	ND		37	11
86-30-6	N-Nitrosodiphenylamine	ND		37	11
87-86-5	Pentachlorophenol	ND		37	11
85-01-8	Phenanthrene	ND		44	11
108-95-2	Phenol	18	J	37	11
129-00-0	Pyrene	ND		37	11

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	56	30-130	
321-60-8	2-Fluorobiphenyl	54	30-130	
367-12-4	2-Fluorophenol	70	30-130	
4165-60-0	Nitrobenzene-d5	69	30-130	
4165-62-2	Phenol-d5	57	30-130	
1718-51-0	Terphenyl-d14	69	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: OC-SB-447-18/20-XXX | Lab Sample ID: 360-24365-6

Matrix: Solid | Lab File ID: J03317.D

Analysis Method: 8270C LL | Date Collected: 08/31/2009 09:05

Extract. Method: 3546 | Date Extracted: 09/09/2009 09:58

Sample wt/vol: 30.09(g) | Date Analyzed: 10/04/2009 23:10

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

% Moisture: 9.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49847 | Units: ug/Kg

Number TICs Found: 4 | TIC Result Total: 230.3

CAS NO.	COMPOUND NAME	RT	RESULT	Q
763-93-9	3-Hexen-2-one	4.75	14	T J N
138-86-3	Limonene	7.44	8.2	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	11.99	8.1	T J N
26603-23-6	p,p''-Dioctyldiphenylamine	15.93	200	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03317.D		
Lims ID:	360-24365-A-6-B	Client ID:	OC-SB-447-18/20-XXX
Inject. Date:	04-Oct-2009 23:10:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	24365a6b		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	25
Lims Batch ID:	49847	Lims Sample ID:	25
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\8270NDMA.m		
Last Update:	05-Oct-2009 12:28:56	Calib Date:	04-Oct-2009 14:57:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03302.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	05-Oct-2009 12:33:40

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.319	7.319	0.000	58680	2.00	
* 2 Naphthalene-d8	136	8.627	8.632	-0.005	120952	2.00	
* 3 Acenaphthene-d10	164	10.396	10.396	0.000	66040	2.00	
* 4 Phenanthrene-d10	188	11.854	11.853	0.001	96014	2.00	
* 5 Chrysene-d12	240	14.518	14.518	0.000	54275	2.00	
* 6 Perylene-d12	264	15.989	15.989	0.000	31100	2.00	s
$ 7 2-Fluorophenol	112	5.934	5.924	0.010	135485	6.96	
$ 8 Phenol-d5	99	7.006	7.001	0.005	135537	5.73	
$ 9 Nitrobenzene-d5	82	7.930	7.929	0.001	62029	3.44	
$ 10 2-Fluorobiphenyl	172	9.714	9.718	-0.004	132301	2.72	
$ 11 2,4,6-Tribromophenol	330	11.185	11.185	0.000	29134	5.56	
$ 12 Terphenyl-d14	244	13.431	13.431	0.000	87660	3.44	
18 Phenol	94	7.021	7.016	0.005	14931	0.5013	
41 Naphthalene	128	8.646	8.651	-0.005	12096	0.0939	
46 2-Methylnaphthalene	142	9.334	9.334	0.000	2197	0.0690	
52 1,1'-Biphenyl	154	9.805	9.805	0.000	460470	9.10	
54 Phenyl ether	170	9.916	9.916	0.000	494112	NaN	5
61 Acenaphthene	153	10.425	10.425	0.000	1008	0.0254	
64 Dibenzofuran	168	10.579	10.579	0.000	2727	0.0563	
66 Diethyl phthalate	149	10.844	10.844	0.000	1705	0.0395	
72 N-Nitrosodiphenylamine	169	11.036	11.041	-0.005	971	0.0278	
75 4-Bromophenyl phenyl ether	248	11.397	11.397	0.000	455	0.0391	M
76 Hexachlorobenzene	284	11.551	11.551	0.001	272	0.0195	
80 Phenanthrene	178	11.873	11.873	0.000	3347	0.0614	
81 Anthracene	178	11.916	11.916	0.000	1790	0.0778	
83 Carbazole	167	12.084	12.084	0.000	1244	0.1198	
84 Di-n-butyl phthalate	149	12.440	12.440	0.000	6470	0.1760	
87 Fluoranthene	202	13.061	13.060	0.001	2133	0.0555	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
85 Pyrene	202	13.287	13.286	0.001	2335	0.0518	
89 Butyl benzyl phthalate	149	13.931	13.931	0.000	728	0.2377	
93 Benzo[a]anthracene	228	14.498	14.498	0.000	1159	0.1202	
92 Bis(2-ethylhexyl) phthalate	149	14.508	14.508	0.000	2406	0.5909	
94 Chrysene	228	14.542	14.542	0.000	1047	0.0388	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount
s - Failed ISTD Recovery Test

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03317.D		
Lims ID:	360-24365-A-6-B	Client ID:	OC-SB-447-18/20-XXX
Inject. Date:	04-Oct-2009 23:10:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	24365a6b		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	25
Lims Batch ID:	49847	Lims Sample ID:	25
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\8270NDMA.m		
Last Update:	05-Oct-2009 12:28:56	Calib Date:	04-Oct-2009 14:57:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	05-Oct-2009 12:33:40

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Diphenylamine	11.036	971	0.0278	
1,2-Diphenylhydrazine	11.065	945	0.0588	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
763-93-9	3-Hexen-2-one					
4.751	50071	0.3768	1	91	116424	
138-86-3	Limonene					
7.444	29686	0.2234	1	94	114006	
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene					
11.988	32570	0.2207	4	90	64461	
26603-23-6	p,p'-Dioctyldiphenylamine					
15.927	250152	5.51	6	98	101420	

Quantitation Compounds

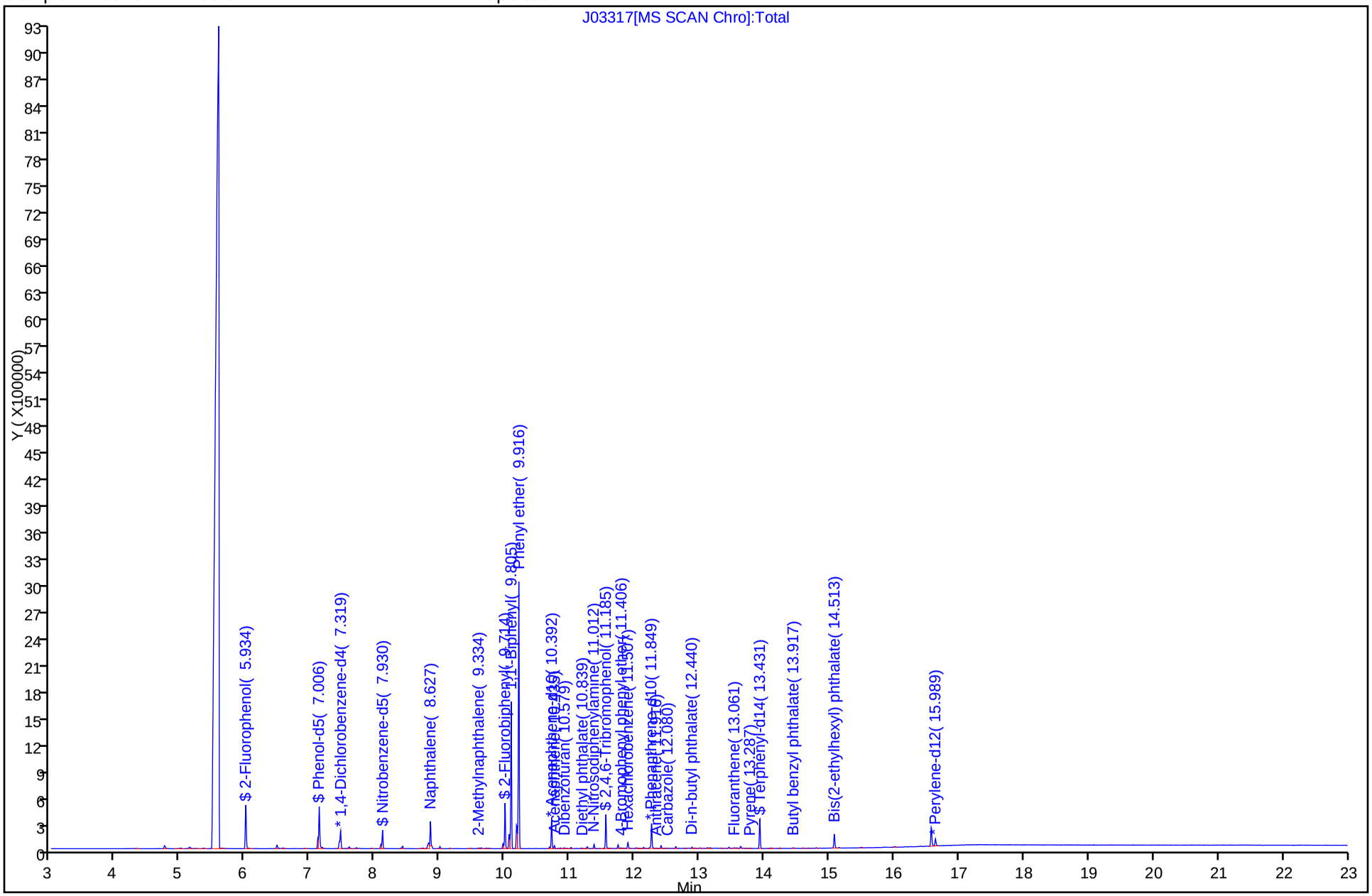
Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	7.319	265767	2.00
* 4 Phenanthrene-d10	11.849	295169	2.00
* 6 Perylene-d12	15.989	90844	2.00

QC Flag Legend

Processing Flags

Report Date: 05-Oct-2009 12:33:40 Chrom Revision: 1.1 01-Oct-2009 08:19:20

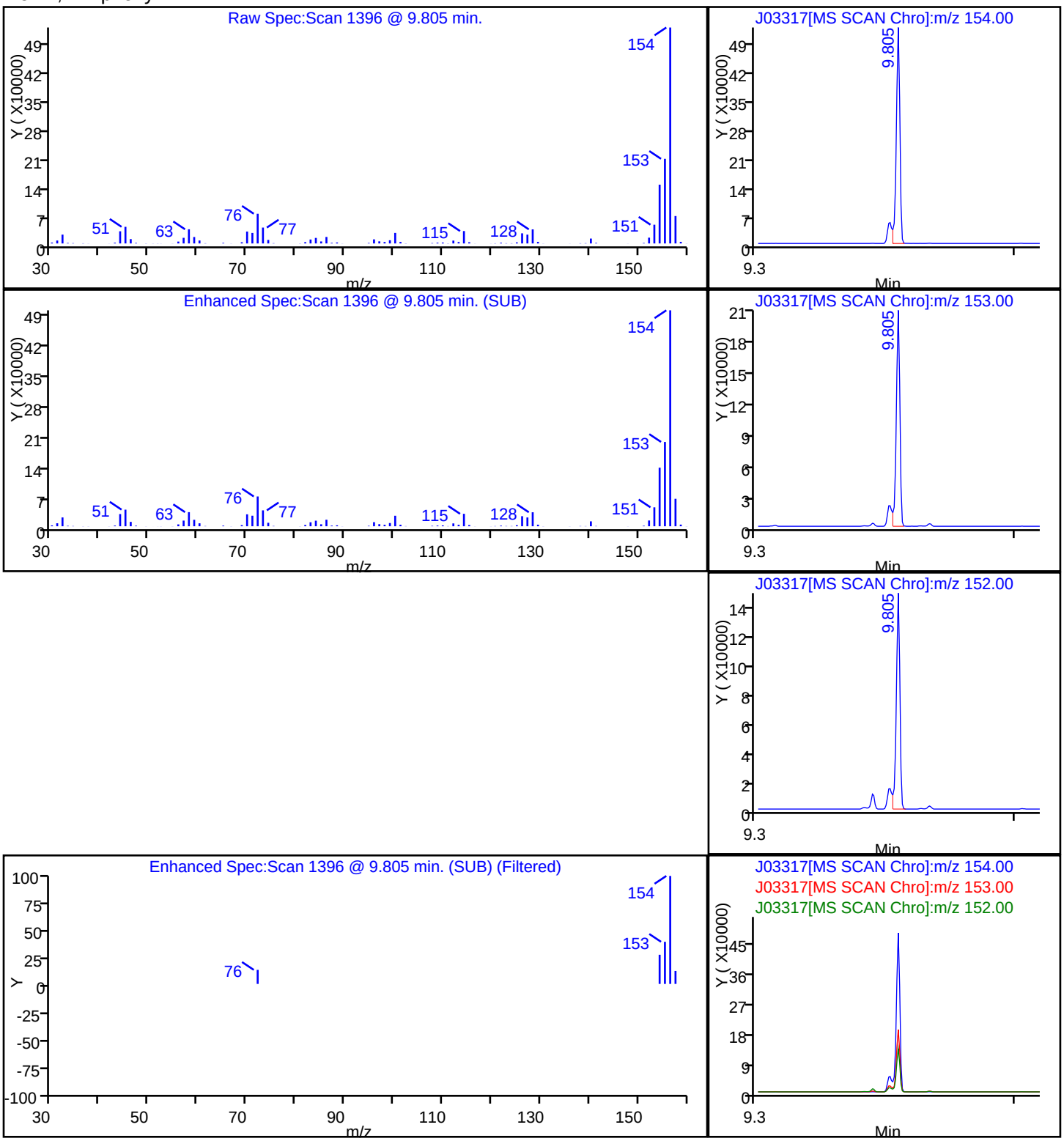
Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03317.D		
Inj Date:	04-Oct-2009 23:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49847	Lims Sample ID:	25
Client ID:	OC-SB-447-18/20-XXX	Instrument:	Inst. J
Sample Info:	24365a6b		
Sample Amount:	1.00 ul	Operator:	



Report Date: 05-Oct-2009 12:33:41 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03317.D		
Inj Date:	04-Oct-2009 23:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49847	Lims Sample ID:	25
Client ID:	OC-SB-447-18/20-XXX	Instrument:	Inst. J
Sample Info:	24365a6b		
Sample Amount:	1.00 ul	Operator:	

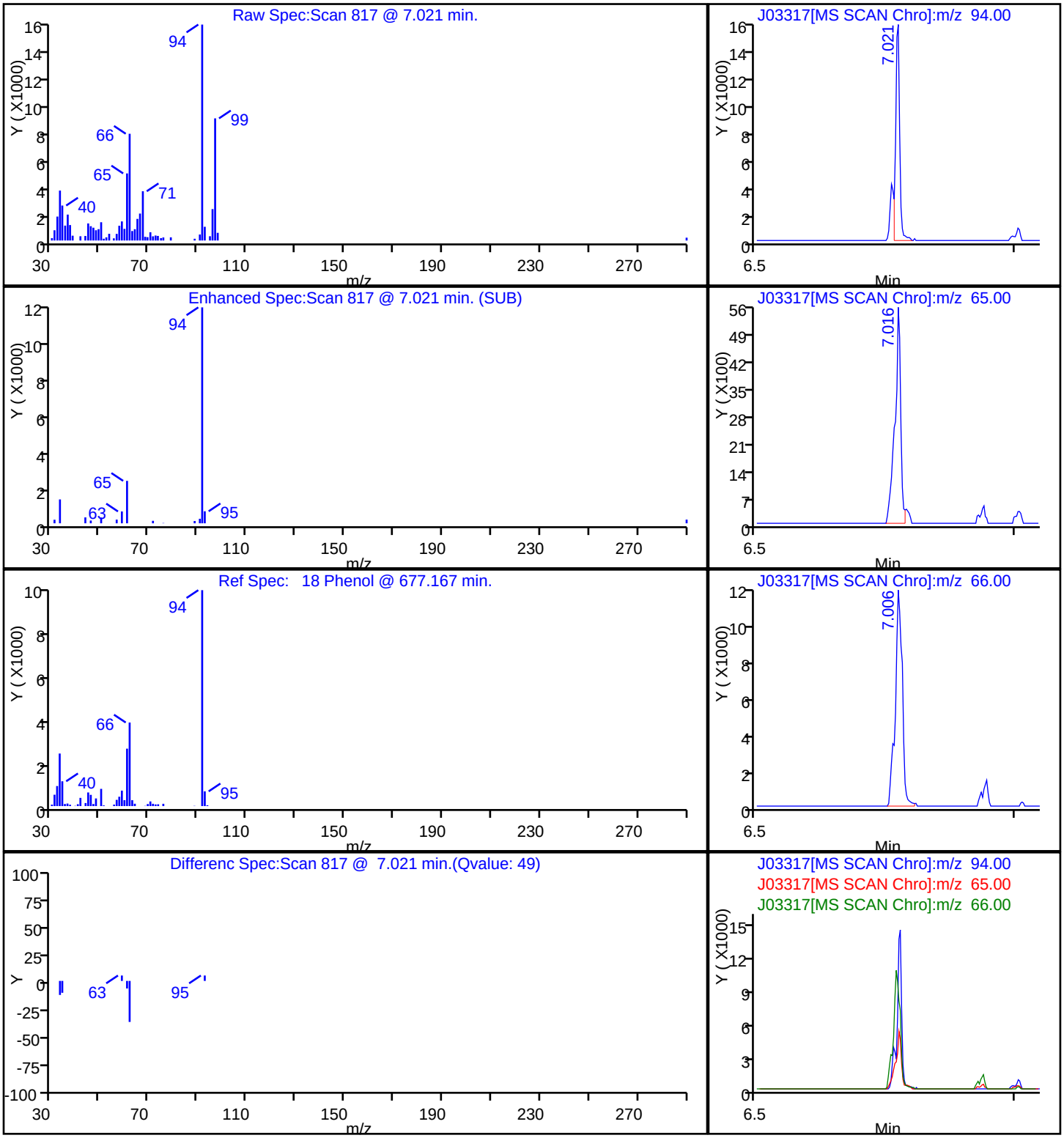
52 1,1'-Biphenyl



Report Date: 05-Oct-2009 12:33:41 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03317.D		
Inj Date:	04-Oct-2009 23:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49847	Lims Sample ID:	25
Client ID:	OC-SB-447-18/20-XXX	Instrument:	Inst. J
Sample Info:	24365a6b		
Sample Amount:	1.00 ul	Operator:	

18 Phenol



Report Date: 05-Oct-2009 12:33:42 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03317.D

Inj Date: 04-Oct-2009 23:10:30 Limit Group: SMS - 8270LL SVOA Calibration

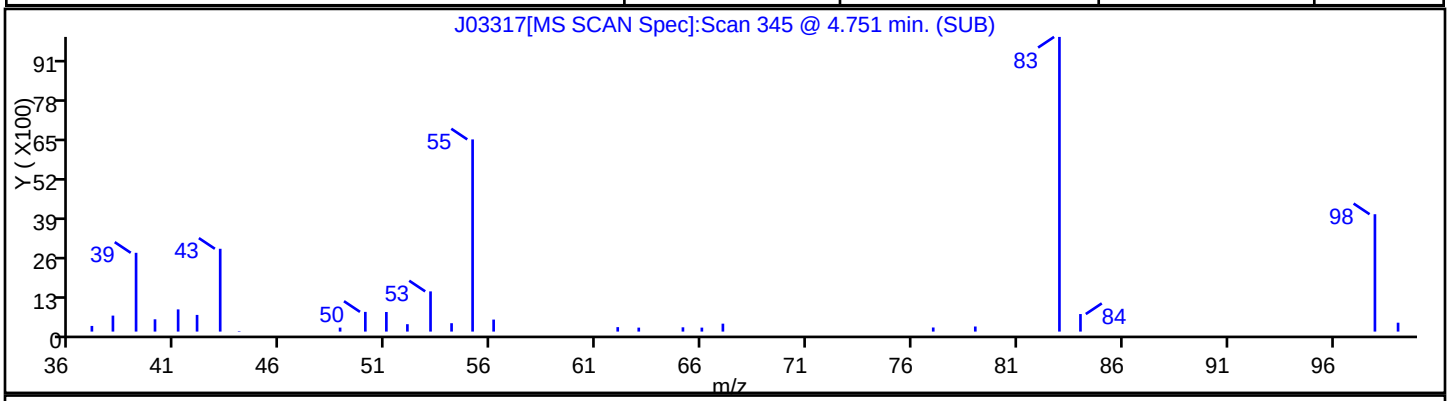
Lims Batch ID: 49847 Lims Sample ID: 25

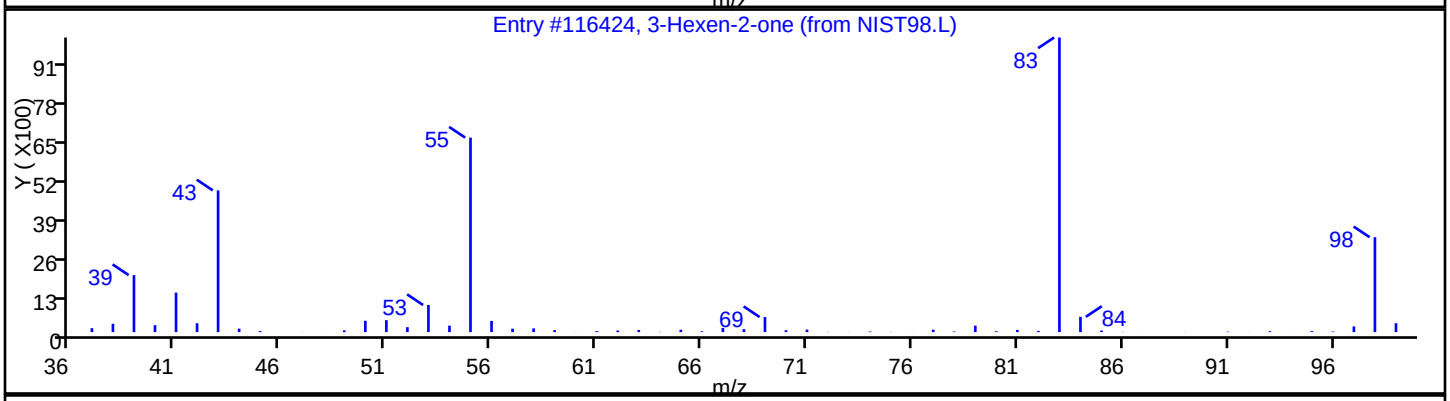
Client ID: OC-SB-447-18/20-XXX Instrument: Inst. J

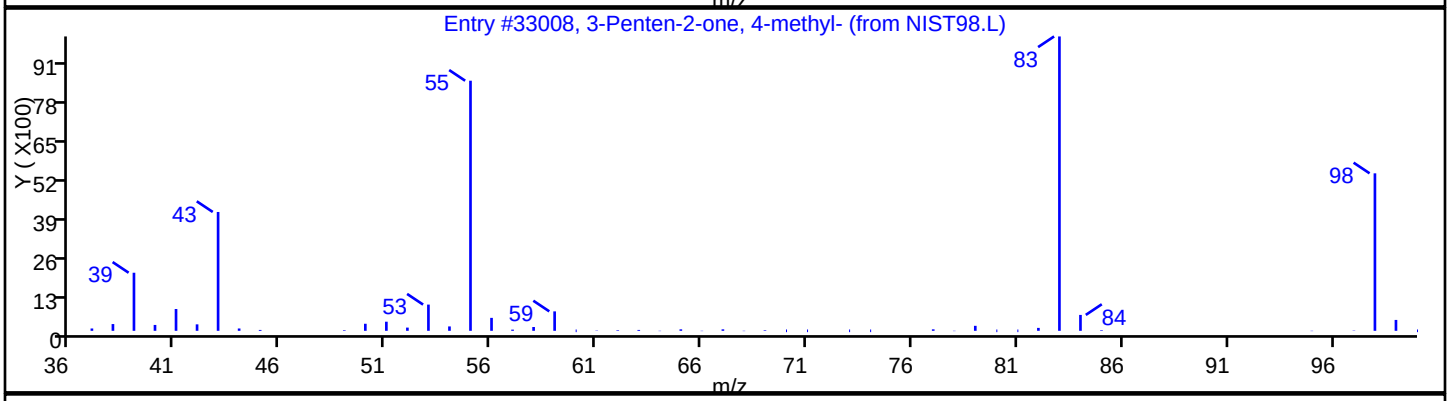
Sample Info: 24365a6b

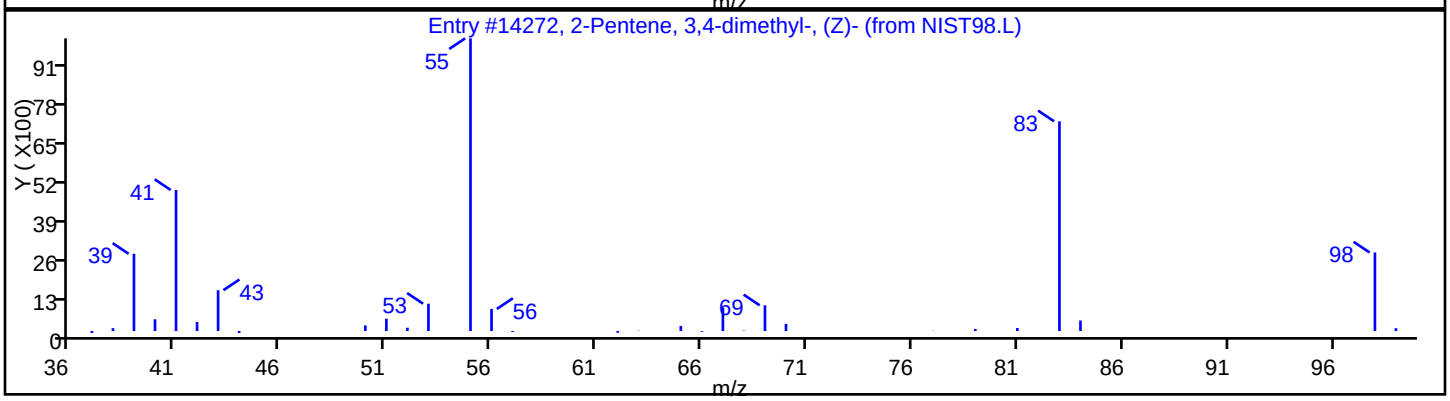
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
3-Hexen-2-one	763-93-9	NIST98.L	116424	91
3-Penten-2-one, 4-methyl-	141-79-7	NIST98.L	33008	91
2-Pentene, 3,4-dimethyl-, (Z)-	4914-91-4	NIST98.L	14272	80









Report Date: 05-Oct-2009 12:33:42 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03317.D

Inj Date: 04-Oct-2009 23:10:30 Limit Group: SMS - 8270LL SVOA Calibration

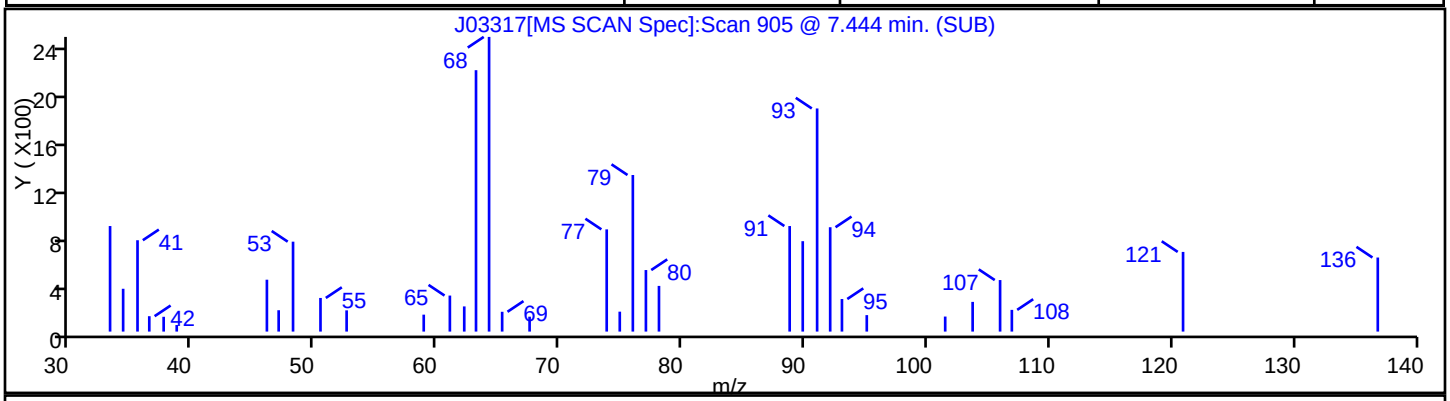
Lims Batch ID: 49847 Lims Sample ID: 25

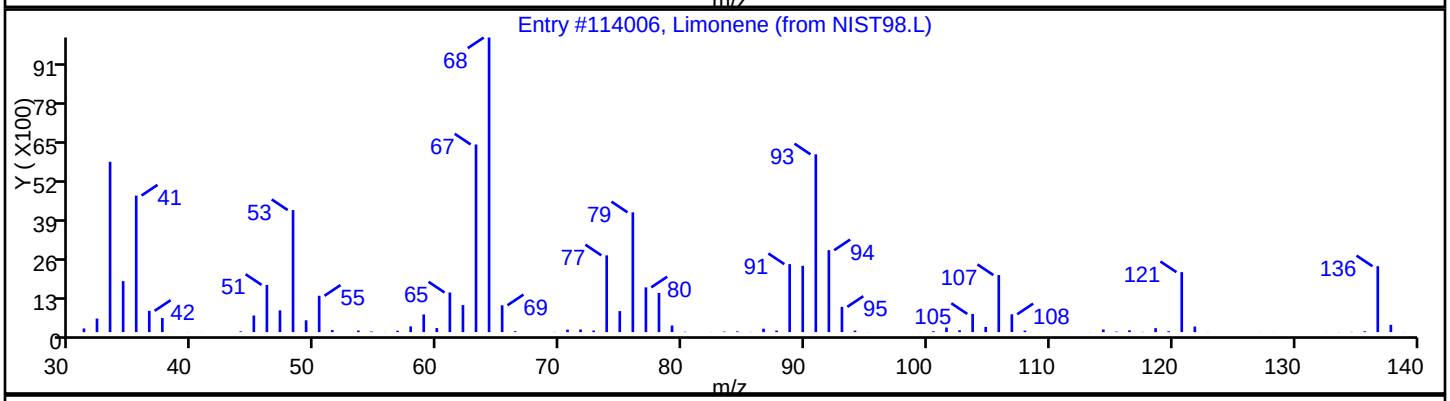
Client ID: OC-SB-447-18/20-XXX Instrument: Inst. J

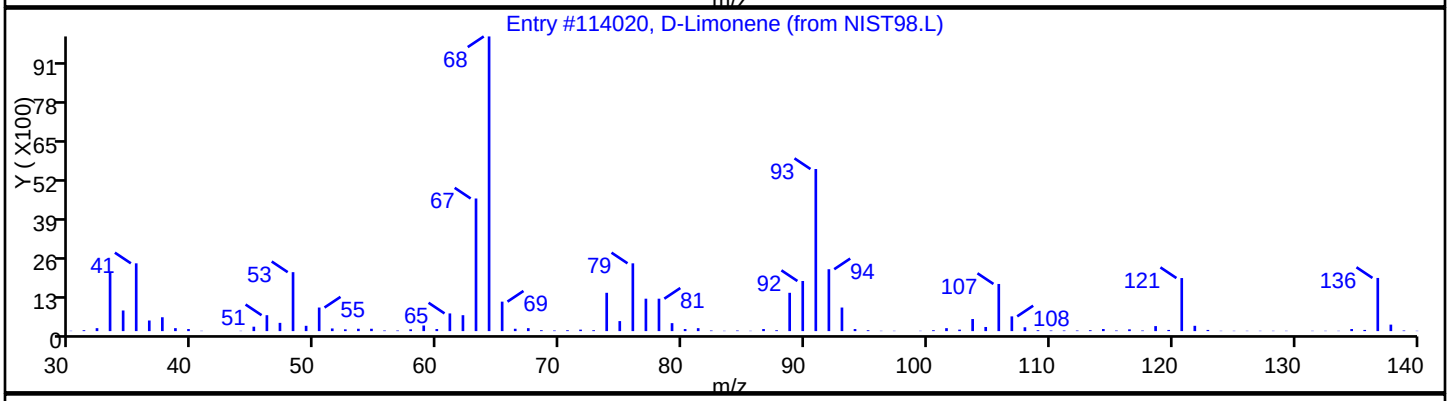
Sample Info: 24365a6b

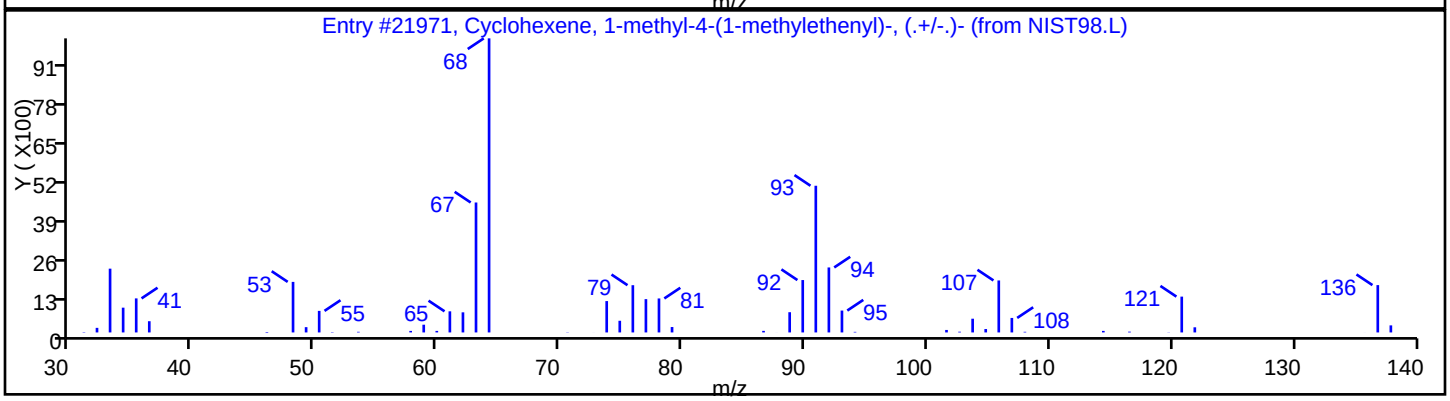
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Limonene	138-86-3	NIST98.L	114006	94
D-Limonene	5989-27-5	NIST98.L	114020	86
Cyclohexene, 1-methyl-4-(1-methylethenyl	7705-14-8	NIST98.L	21971	68









Report Date: 05-Oct-2009 12:33:42 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03317.D

Inj Date: 04-Oct-2009 23:10:30 Limit Group: SMS - 8270LL SVOA Calibration

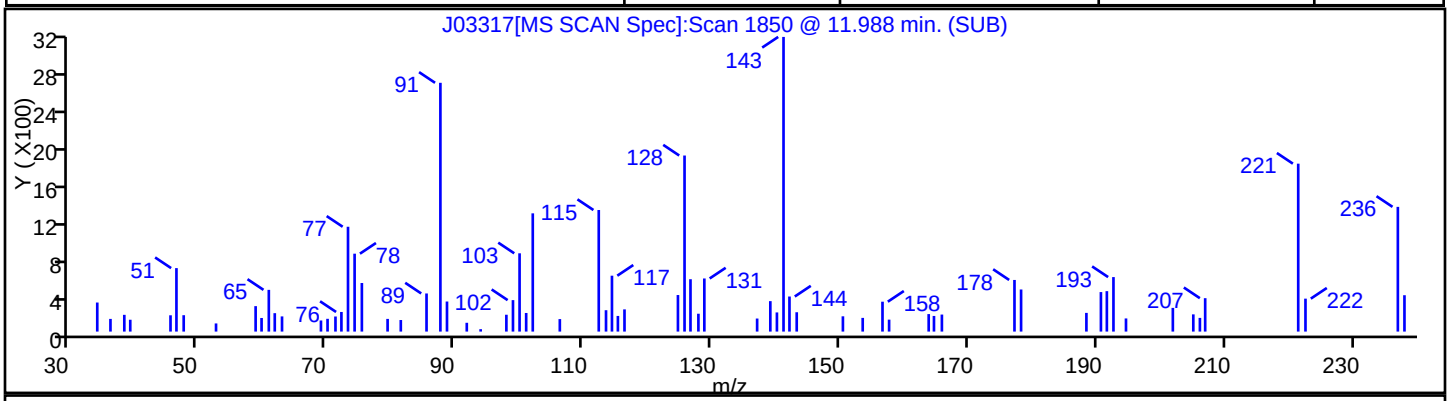
Lims Batch ID: 49847 Lims Sample ID: 25

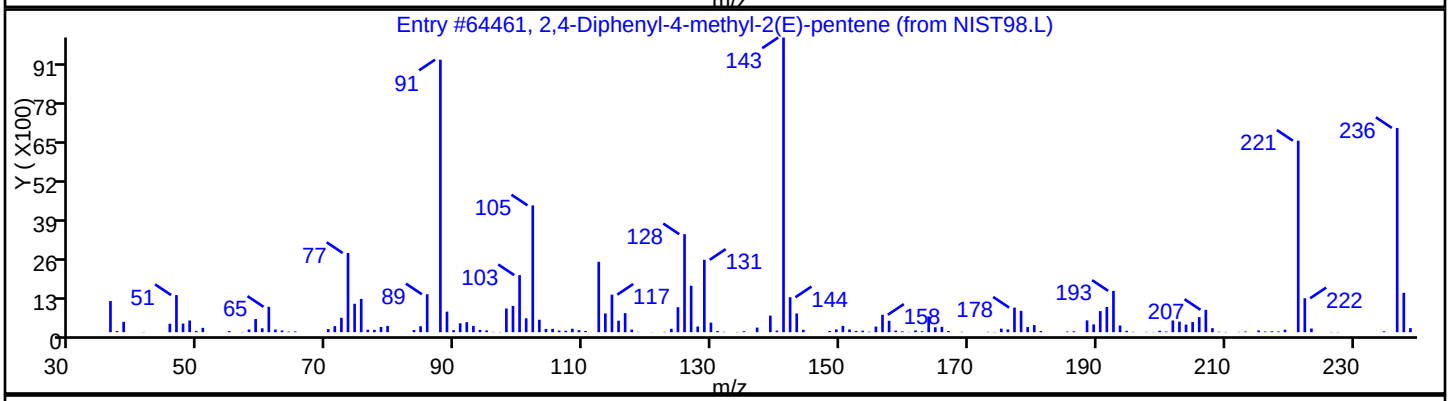
Client ID: OC-SB-447-18/20-XXX Instrument: Inst. J

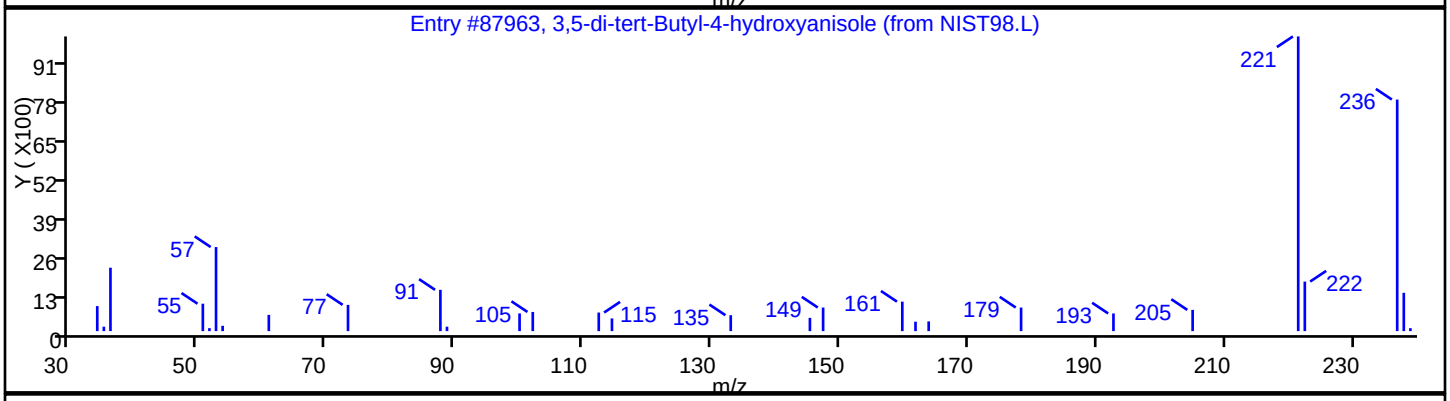
Sample Info: 24365a6b

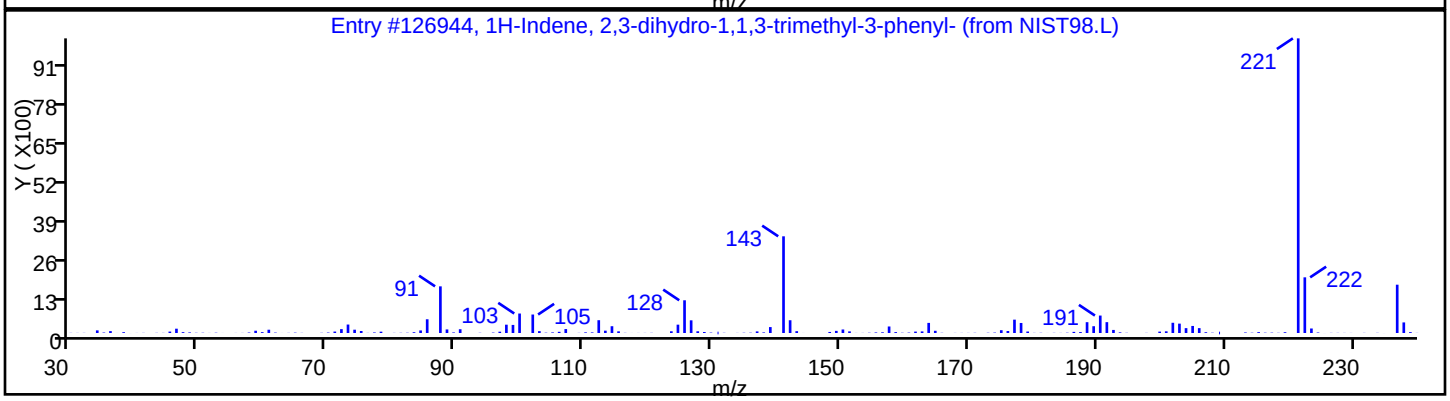
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
2,4-Diphenyl-4-methyl-2(E)-pentene	22768-22-5	NIST98.L	64461	90
3,5-di-tert-Butyl-4-hydroxyanisole	489-1-0	NIST98.L	87963	84
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	3910-35-8	NIST98.L	126944	55









Report Date: 05-Oct-2009 12:33:42 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03317.D

Inj Date: 04-Oct-2009 23:10:30 Limit Group: SMS - 8270LL SVOA Calibration

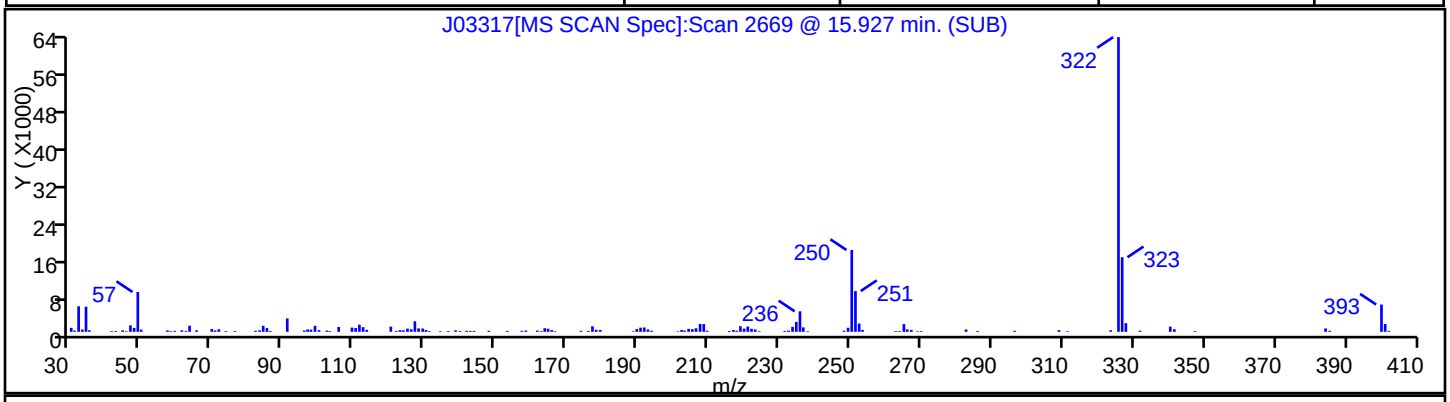
Lims Batch ID: 49847 Lims Sample ID: 25

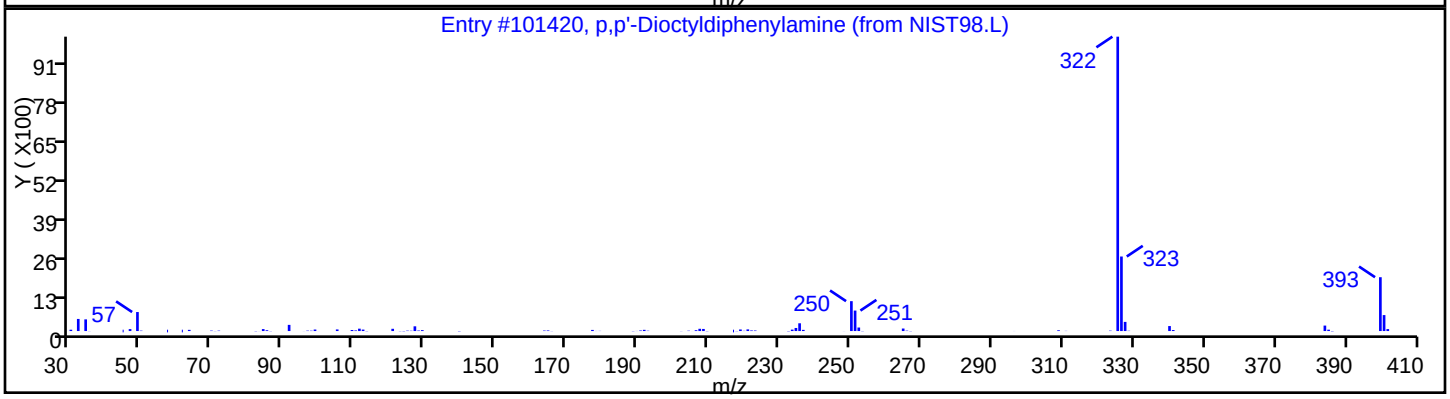
Client ID: OC-SB-447-18/20-XXX Instrument: Inst. J

Sample Info: 24365a6b

Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
p,p'-Dioctyldiphenylamine	26603-23-6	NIST98.L	101420	98





FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: OC-SB-447-18/20-XXX DL | Lab Sample ID: 360-24365-6 DL

Matrix: Solid | Lab File ID: J03316.D

Analysis Method: 8270C LL | Date Collected: 08/31/2009 09:05

Extract. Method: 3546 | Date Extracted: 09/09/2009 09:58

Sample wt/vol: 30.09(g) | Date Analyzed: 10/04/2009 22:37

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: | Level: (low/med) Low

% Moisture: 9.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49847 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
101-84-8	Diphenyl oxide	1100		370	110

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	69	30-130	
321-60-8	2-Fluorobiphenyl	74	30-130	
367-12-4	2-Fluorophenol	80	30-130	
4165-60-0	Nitrobenzene-d5	75	30-130	
4165-62-2	Phenol-d5	74	30-130	
1718-51-0	Terphenyl-d14	87	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03316.D		
Lims ID:	360-24365-A-6-B	Client ID:	OC-SB-447-18/20-XXX
Inject. Date:	04-Oct-2009 22:37:30	Dil. Factor:	10.0000
Sample Type:	Client Sample		
Sample ID:	24365a6b 10x		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	24
Lims Batch ID:	49847	Lims Sample ID:	24
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\8270NDMA.m		
Last Update:	05-Oct-2009 12:25:36	Calib Date:	04-Oct-2009 14:57:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03302.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

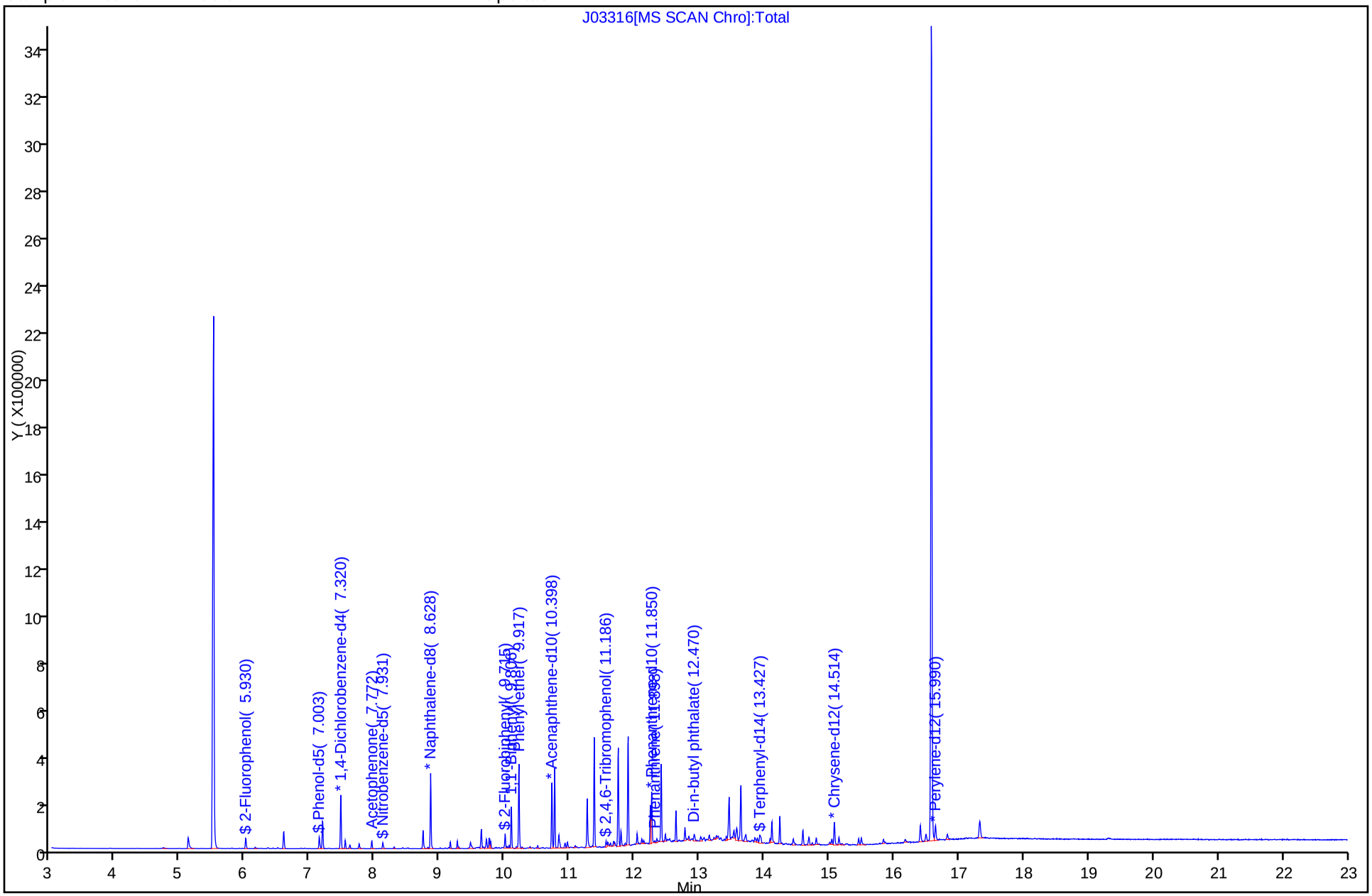
Reviewed By:	sullivanp	Date:	05-Oct-2009 12:25:36

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.320	7.319	0.001	47416	2.00	
* 2 Naphthalene-d8	136	8.628	8.632	-0.004	117057	2.00	
* 3 Acenaphthene-d10	164	10.398	10.396	0.002	54244	2.00	
* 4 Phenanthrene-d10	188	11.850	11.853	-0.003	65720	2.00	
* 5 Chrysene-d12	240	14.514	14.518	-0.004	31812	2.00	
* 6 Perylene-d12	264	15.990	15.989	0.001	22772	2.00	
$ 7 2-Fluorophenol	112	5.930	5.924	0.006	12646	0.8041	
$ 8 Phenol-d5	99	7.003	7.001	0.002	14229	0.7449	
$ 9 Nitrobenzene-d5	82	7.931	7.929	0.002	6558	0.3759	
$ 10 2-Fluorobiphenyl	172	9.715	9.718	-0.003	14871	0.3723	
$ 11 2,4,6-Tribromophenol	330	11.186	11.185	0.001	1628	0.6942	
$ 12 Terphenyl-d14	244	13.427	13.431	-0.004	6486	0.4338	
30 Acetophenone	105	7.772	7.771	0.001	8228	0.3724	
52 1,1'-Biphenyl	154	9.806	9.805	0.001	49355	1.19	
54 Phenyl ether	170	9.917	9.916	0.001	55624	3.08	
80 Phenanthrene	178	11.874	11.873	0.001	964	0.0258	
84 Di-n-butyl phthalate	149	12.441	12.440	0.001	2989	0.1477	

Report Date: 05-Oct-2009 12:25:37 Chrom Revision: 1.1 01-Oct-2009 08:19:20

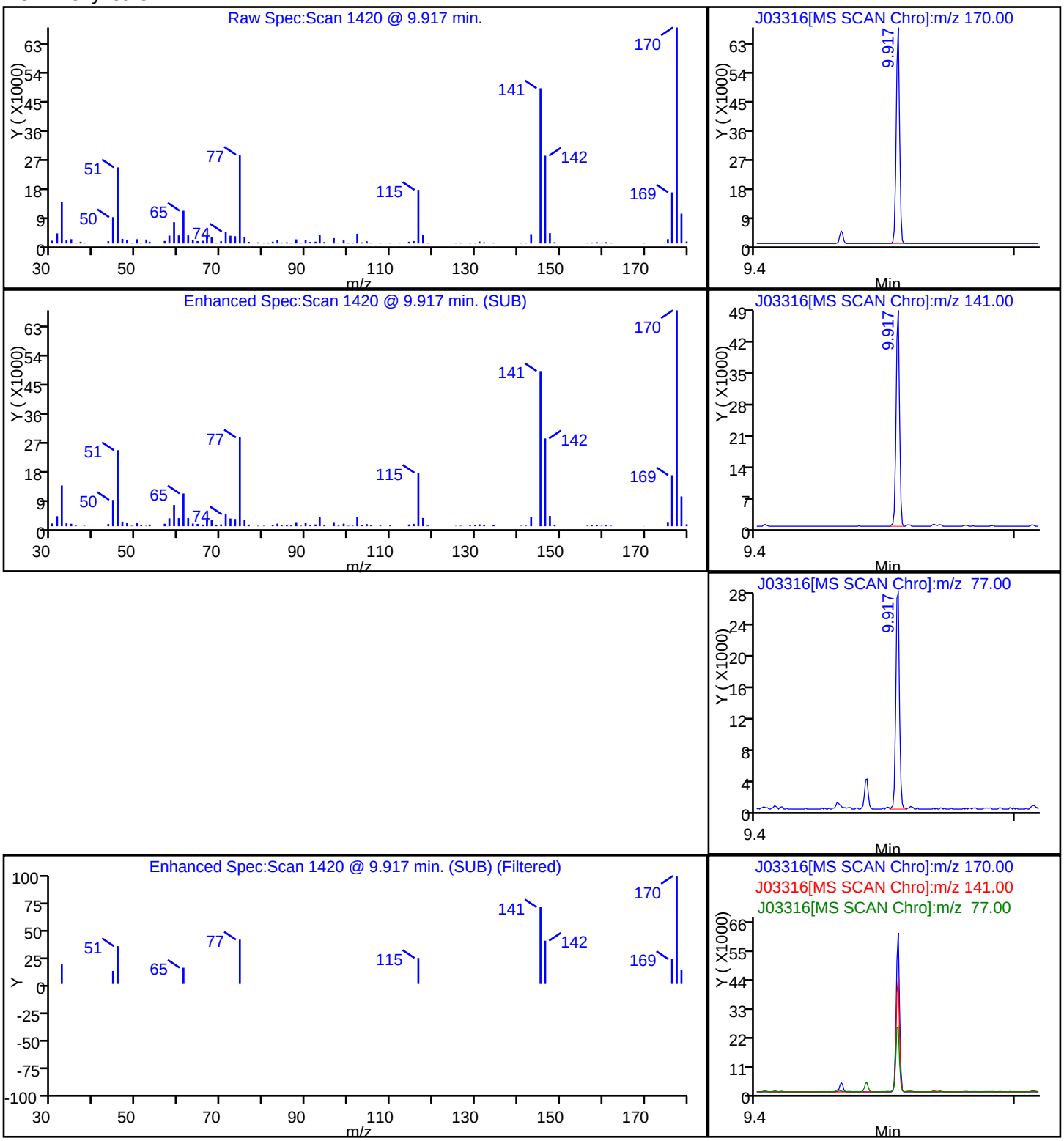
Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03316.D		
Inj Date:	04-Oct-2009 22:37:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49847	Lims Sample ID:	24
Client ID:	OC-SB-447-18/20-XXX	Instrument:	Inst. J
Sample Info:	24365a6b 10x		
Sample Amount:	1.00 ul	Operator:	



Report Date: 05-Oct-2009 12:25:37 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03316.D		
Inj Date:	04-Oct-2009 22:37:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49847	Lims Sample ID:	24
Client ID:	OC-SB-447-18/20-XXX	Instrument:	Inst. J
Sample Info:	24365a6b 10x		
Sample Amount:	1.00 ul	Operator:	

54 Phenyl ether



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: OC-SB-452-13/15-XXX | Lab Sample ID: 360-24365-9

Matrix: Solid | Lab File ID: B10457.D

Analysis Method: 8270C LL | Date Collected: 08/31/2009 11:00

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.03(g) | Date Analyzed: 09/22/2009 01:44

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

% Moisture: 8.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		36	11
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		36	11
120-82-1	1,2,4-Trichlorobenzene	ND		36	11
95-50-1	1,2-Dichlorobenzene	ND		36	11
541-73-1	1,3-Dichlorobenzene	ND		36	11
106-46-7	1,4-Dichlorobenzene	ND		36	11
90-12-0	1-Methylnaphthalene	ND		36	11
108-60-1	2,2'-oxybis[1-chloropropane]	ND		36	11
58-90-2	2,3,4,6-Tetrachlorophenol	ND		36	11
95-95-4	2,4,5-Trichlorophenol	ND		36	11
88-06-2	2,4,6-Trichlorophenol	ND		36	11
120-83-2	2,4-Dichlorophenol	ND		36	11
105-67-9	2,4-Dimethylphenol	ND		36	14
51-28-5	2,4-Dinitrophenol	ND		36	11
121-14-2	2,4-Dinitrotoluene	ND		36	11
606-20-2	2,6-Dinitrotoluene	ND		36	11
91-58-7	2-Chloronaphthalene	ND		36	11
95-57-8	2-Chlorophenol	ND		36	11
91-57-6	2-Methylnaphthalene	ND		36	11
95-48-7	2-Methylphenol	ND		36	22
88-74-4	2-Nitroaniline	ND		180	11
88-75-5	2-Nitrophenol	ND		36	11
15831-10-4	3 & 4 Methylphenol	ND		36	11
91-94-1	3,3'-Dichlorobenzidine	ND		72	11
99-09-2	3-Nitroaniline	ND		180	11
534-52-1	4,6-Dinitro-2-methylphenol	ND		180	11
101-55-3	4-Bromophenyl phenyl ether	ND		36	11
59-50-7	4-Chloro-3-methylphenol	ND		72	11
106-47-8	4-Chloroaniline	ND		72	11
7005-72-3	4-Chlorophenyl phenyl ether	ND		36	11
100-01-6	4-Nitroaniline	ND		180	11
100-02-7	4-Nitrophenol	ND		180	11
83-32-9	Acenaphthene	ND		36	11
208-96-8	Acenaphthylene	ND		36	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: OC-SB-452-13/15-XXX | Lab Sample ID: 360-24365-9

Matrix: Solid | Lab File ID: B10457.D

Analysis Method: 8270C LL | Date Collected: 08/31/2009 11:00

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.03(g) | Date Analyzed: 09/22/2009 01:44

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

% Moisture: 8.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		36	11
62-53-3	Aniline	ND	*	36	11
120-12-7	Anthracene	ND		36	11
1912-24-9	Atrazine	ND		36	11
103-33-3	Azobenzene	ND		36	11
100-52-7	Benzaldehyde	ND		36	11
56-55-3	Benzo[a]anthracene	ND		36	11
50-32-8	Benzo[a]pyrene	ND		36	11
205-99-2	Benzo[b]fluoranthene	ND		36	11
191-24-2	Benzo[g,h,i]perylene	ND		36	11
207-08-9	Benzo[k]fluoranthene	ND		36	11
65-85-0	Benzoic acid	ND		180	16
119-61-9	Benzophenone	ND		36	11
100-51-6	Benzyl alcohol	ND		72	31
111-91-1	Bis(2-chloroethoxy)methane	ND		36	11
111-44-4	Bis(2-chloroethyl)ether	ND		36	11
117-81-7	Bis(2-ethylhexyl) phthalate	23	J	36	11
85-68-7	Butyl benzyl phthalate	ND		36	11
105-60-2	Caprolactam	ND		36	11
86-74-8	Carbazole	ND		36	11
218-01-9	Chrysene	ND		36	11
53-70-3	Dibenz(a,h)anthracene	ND		36	11
132-64-9	Dibenzofuran	ND		36	11
84-66-2	Diethyl phthalate	ND		36	11
131-11-3	Dimethyl phthalate	ND		36	11
84-74-2	Di-n-butyl phthalate	ND		36	32
117-84-0	Di-n-octyl phthalate	ND		36	18
101-84-8	Diphenyl oxide	ND		36	11
206-44-0	Fluoranthene	ND		36	11
86-73-7	Fluorene	ND		36	11
118-74-1	Hexachlorobenzene	ND		36	11
87-68-3	Hexachlorobutadiene	ND		36	11
77-47-4	Hexachlorocyclopentadiene	ND		72	11
67-72-1	Hexachloroethane	ND		36	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: OC-SB-452-13/15-XXX | Lab Sample ID: 360-24365-9

Matrix: Solid | Lab File ID: B10457.D

Analysis Method: 8270C LL | Date Collected: 08/31/2009 11:00

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.03(g) | Date Analyzed: 09/22/2009 01:44

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

% Moisture: 8.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	ND		36	11
78-59-1	Isophorone	ND		36	11
91-20-3	Naphthalene	ND		87	11
98-95-3	Nitrobenzene	ND		36	11
62-75-9	N-Nitrosodimethylamine	ND		36	13
621-64-7	N-Nitrosodi-n-propylamine	ND		36	11
86-30-6	N-Nitrosodiphenylamine	ND		36	11
87-86-5	Pentachlorophenol	ND		36	11
85-01-8	Phenanthrene	ND		43	11
108-95-2	Phenol	ND		36	11
129-00-0	Pyrene	ND		36	11

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	58	30-130	
321-60-8	2-Fluorobiphenyl	56	30-130	
367-12-4	2-Fluorophenol	68	30-130	
4165-60-0	Nitrobenzene-d5	64	30-130	
4165-62-2	Phenol-d5	69	30-130	
1718-51-0	Terphenyl-d14	57	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: OC-SB-452-13/15-XXX | Lab Sample ID: 360-24365-9

Matrix: Solid | Lab File ID: B10457.D

Analysis Method: 8270C LL | Date Collected: 08/31/2009 11:00

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.03(g) | Date Analyzed: 09/22/2009 01:44

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

% Moisture: 8.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 | Units: ug/Kg

Number TICs Found: 6 | TIC Result Total: 159

CAS NO.	COMPOUND NAME	RT	RESULT	Q
596-85-0	1-Naphthalenepropanol, .alpha.-ethenylde	12.78	35	T J N
593-45-3	Octadecane	13.65	11	T J N
629-92-5	Nonadecane	14.26	15	T J N
638-67-5	Tricosane	14.98	17	T J N
112-95-8	Eicosane	16.12	16	T J N
112-84-5	Erucylamide	16.61	65	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10457.D		
Lims ID:	360-24365-A-9-C	Client ID:	OC-SB-452-13/15-XXX
Inject. Date:	22-Sep-2009 01:44:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24365-a-9-c		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	49266	Lims Sample ID:	20
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	23-Sep-2009 11:45:32	Calib Date:	21-Sep-2009 19:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 11:45:32

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.903	7.900	0.003	492771	2.00	
* 2 Naphthalene-d8	136	9.033	9.030	0.003	1180200	2.00	
* 3 Acenaphthene-d10	164	10.533	10.535	-0.002	610833	2.00	
* 4 Phenanthrene-d10	188	11.802	11.800	0.002	1047804	2.00	
* 5 Chrysene-d12	240	15.399	15.397	0.002	677149	2.00	
* 6 Perylene-d12	264	17.847	17.840	0.007	558692	2.00	
$ 7 2-Fluorophenol	112	6.667	6.630	0.037	949964	6.85	
$ 8 Phenol-d5	99	7.532	7.520	0.012	1096097	6.86	
$ 9 Nitrobenzene-d5	82	8.393	8.390	0.003	486851	3.22	
$ 10 2-Fluorobiphenyl	172	9.927	9.924	0.003	1126330	2.79	
$ 11 2,4,6-Tribromophenol	330	11.201	11.204	-0.003	220380	5.78	
$ 12 Terphenyl-d14	244	13.428	13.425	0.003	919522	2.85	
19 Aniline	93	7.600	7.597	0.003	4682	0.0230	
52 1,1'-Biphenyl	154	10.018	10.021	-0.003	10244	0.0239	
54 Phenyl ether	170	10.100	10.102	-0.002	42174	0.2212	
66 Diethyl phthalate	149	10.821	10.824	-0.003	5167	0.0134	
71 Diphenylamine	169	11.057	11.059	-0.002	93618	0.2741	
72 N-Nitrosodiphenylamine	169	11.057	11.059	-0.002	93618	0.2741	
84 Di-n-butyl phthalate	149	12.206	12.204	0.002	133561	0.2089	
87 Fluoranthene	202	13.000	13.002	-0.002	4913	0.0105	
89 Butyl benzyl phthalate	149	14.144	14.142	0.002	11975	0.0525	
92 Bis(2-ethylhexyl) phthalate	149	15.284	15.281	0.003	188488	0.6288	
97 Benzo[b]fluoranthene	252	17.116	17.123	-0.007	4553	0.0132	
98 Benzo[k]fluoranthene	252	17.169	17.166	0.003	5434	0.0172	
99 Benzo[a]pyrene	252	17.737	17.734	0.003	5124	0.0218	
100 Indeno[1,2,3-cd]pyrene	276	20.280	20.268	0.012	10393	0.0552	
101 Dibenz(a,h)anthracene	278	20.309	20.302	0.007	8593	0.0554	
102 Benzo[g,h,i]perylene	276	21.007	20.999	0.007	9837	0.0482	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10457.D		
Lims ID:	360-24365-A-9-C	Client ID:	OC-SB-452-13/15-XXX
Inject. Date:	22-Sep-2009 01:44:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24365-a-9-c		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	49266	Lims Sample ID:	20
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	23-Sep-2009 11:45:32	Calib Date:	21-Sep-2009 19:31:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	85		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 11:45:32

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
1,2-Diphenylhydrazine	11.057	12319	0.0198	
Alpha-Terpineol	9.023	1384	0.0112	
Benzidine	13.110	718	0.1975	
Pentachloronitrobenzene	11.625	202	0.0871	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
596-85-0	1-Naphthalenepropanol, .alpha.-ethenylde					
12.783	1328009	0.9576	4	87	62278	
593-45-3	Octadecane					
13.649	294014	0.3095	5	96	112329	
629-92-5	Nonadecane					
14.255	402627	0.4239	5	98	112380	
638-67-5	Tricosane					
14.981	442230	0.4656	5	93	109662	
112-95-8	Eicosane					
16.116	418229	0.4403	5	95	16454	
112-84-5	Erucylamide					
16.611	1717987	1.81	5	90	19656	

Report Date: 23-Sep-2009 11:45:33 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10457.D
Quantitation Compounds

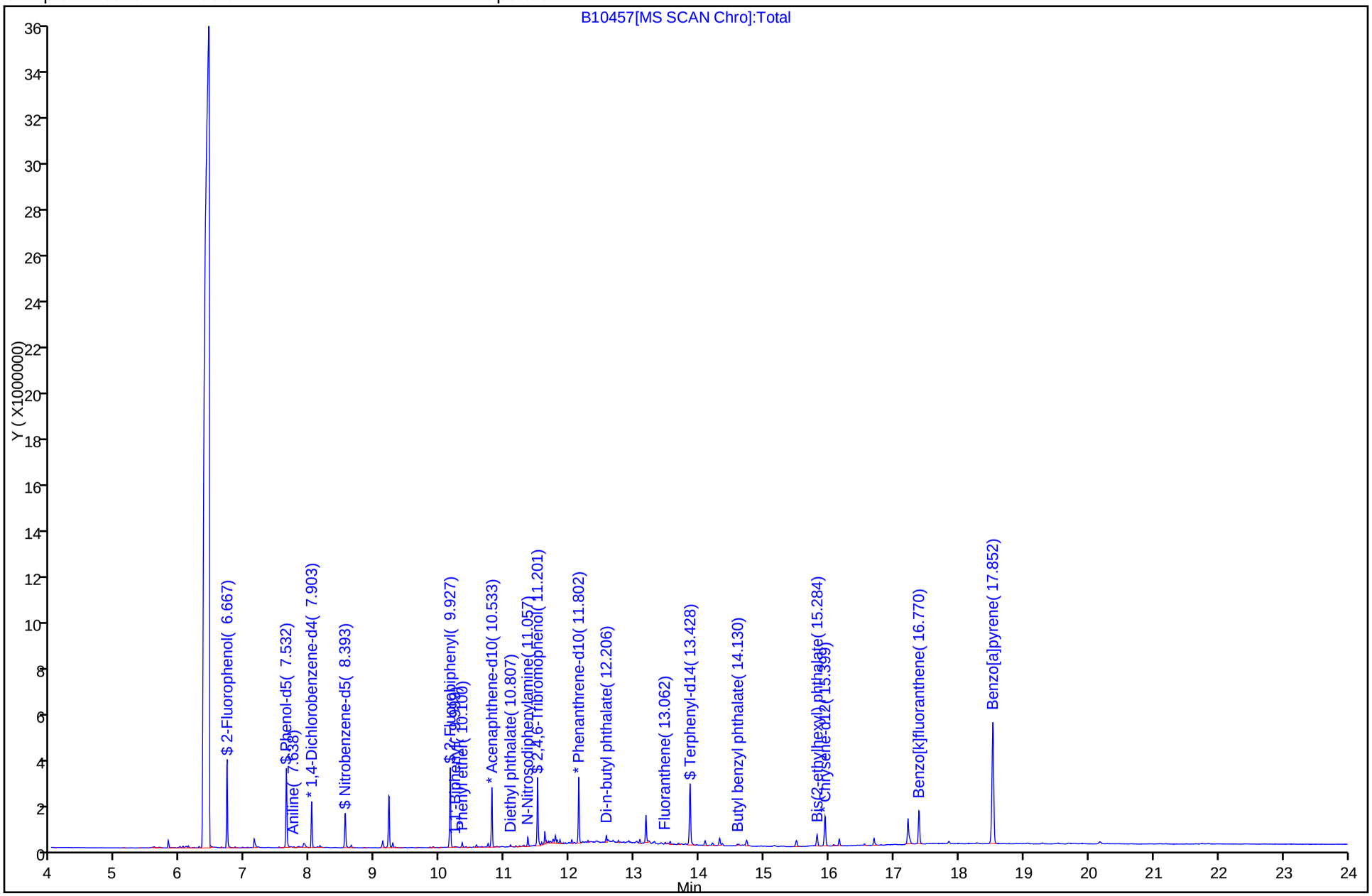
Compound	RT	Response	Amount ug/mL
* 4 Phenanthrene-d10	11.802	2773495	2.00
* 5 Chrysene-d12	15.399	1899763	2.00

QC Flag Legend

Processing Flags

Report Date: 23-Sep-2009 11:45:33 Chrom Revision: 1.1 20-Sep-2009 21:03:36

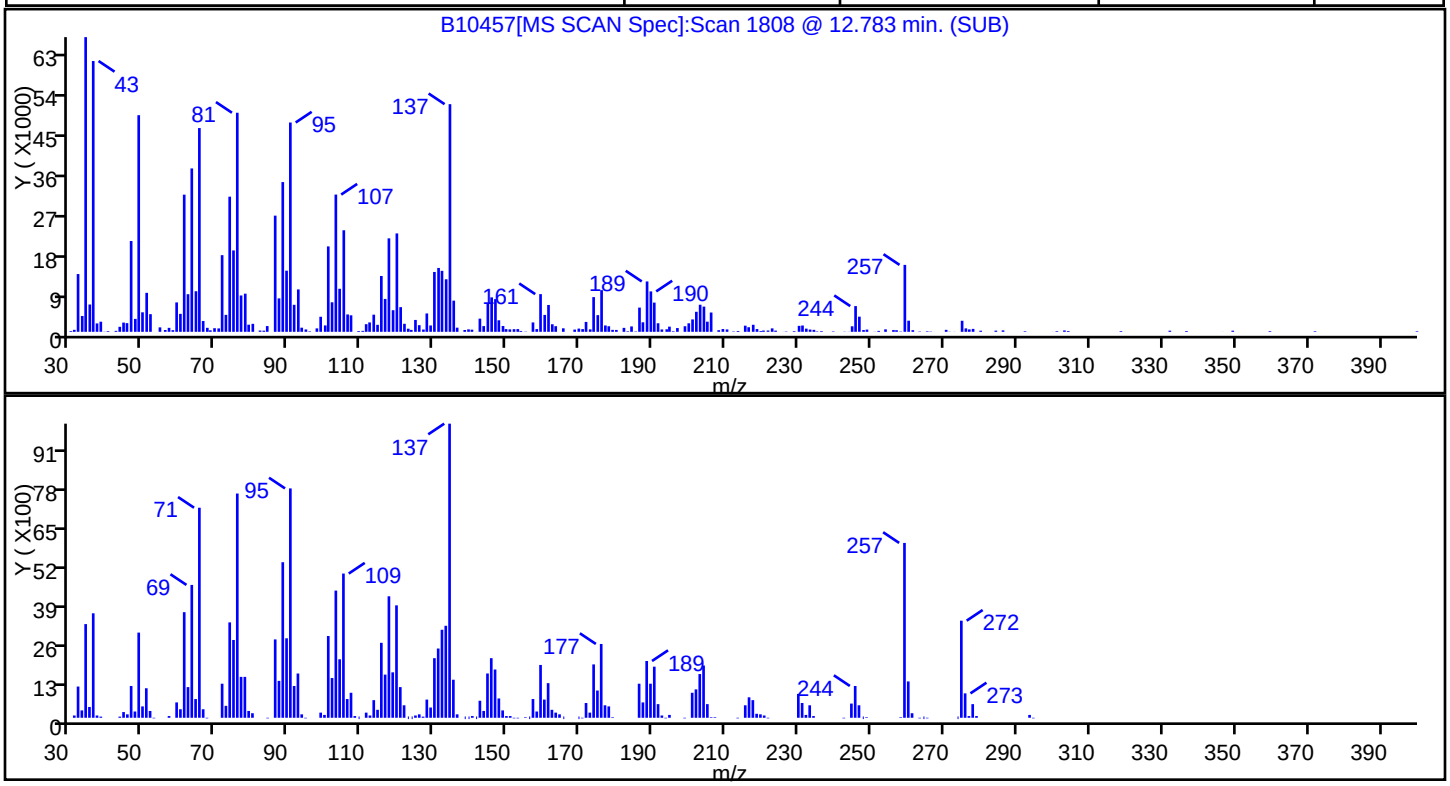
Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10457.D		
Inj Date:	22-Sep-2009 01:44:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	20
Client ID:	OC-SB-452-13/15-XXX	Instrument:	Inst. B
Sample Info:	360-24365-a-9-c		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 23-Sep-2009 11:45:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10457.D		
Inj Date:	22-Sep-2009 01:44:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	20
Client ID:	OC-SB-452-13/15-XXX	Instrument:	Inst. B
Sample Info:	360-24365-a-9-c		
Sample Amount:	1.00 ul	Operator:	MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Naphthalenepropanol, .alpha.-ethenylde	596-85-0	NIST98.L	62278	87



Report Date: 23-Sep-2009 11:45:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10457.D

Inj Date: 22-Sep-2009 01:44:30 Limit Group: SMS - 8270LL SVOA Calibration

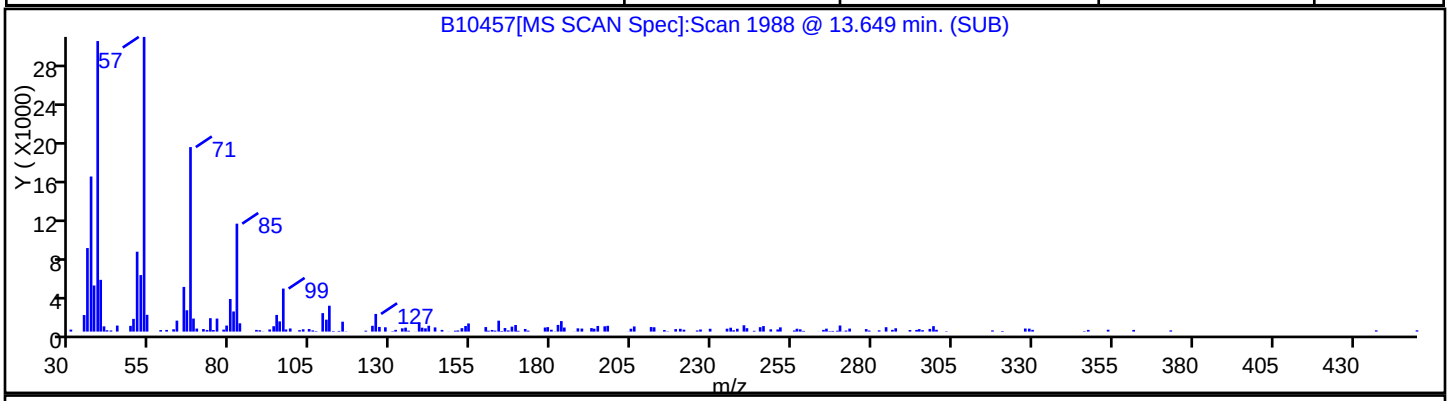
Lims Batch ID: 49266 Lims Sample ID: 20

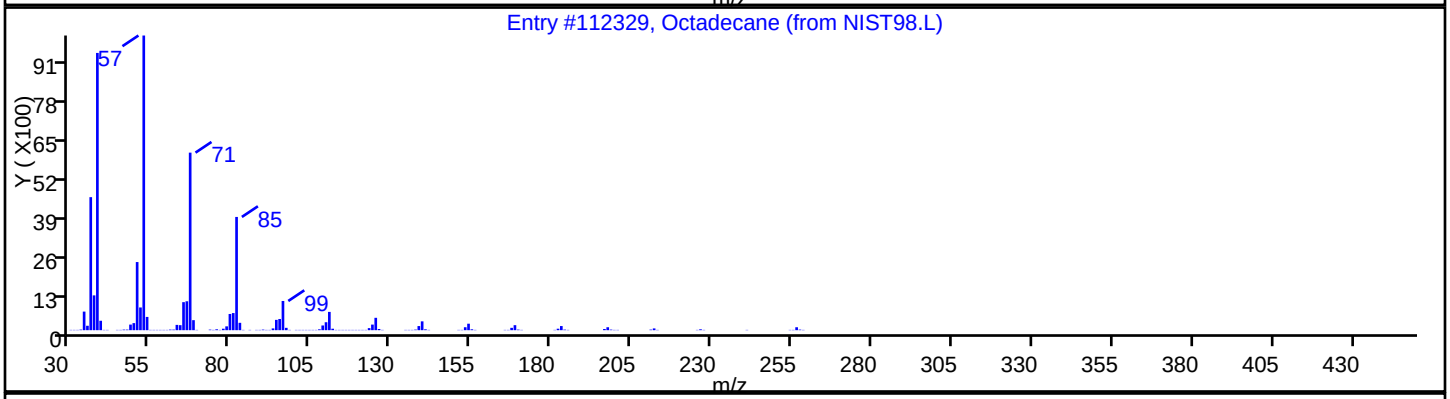
Client ID: OC-SB-452-13/15-XXX Instrument: Inst. B

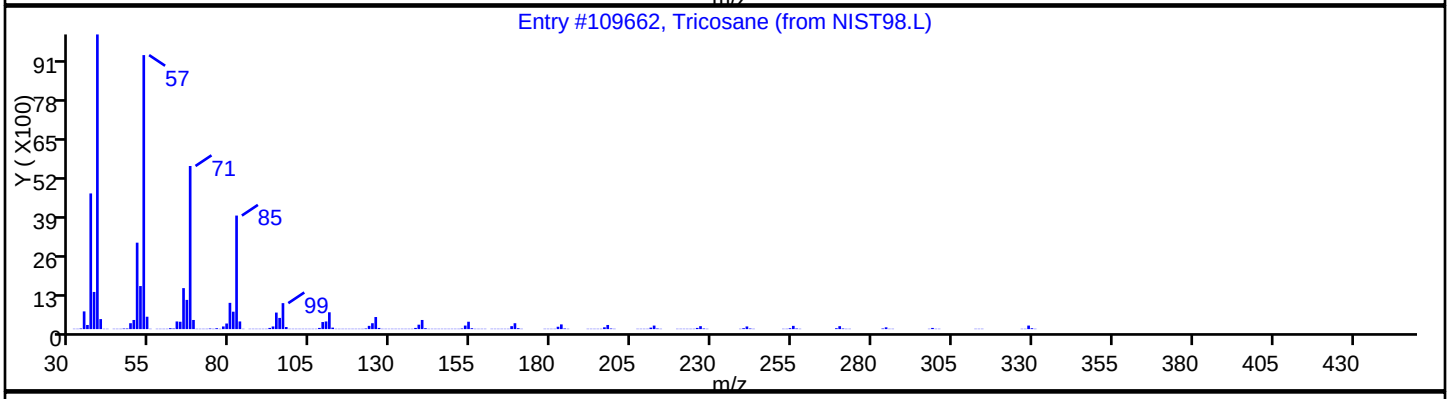
Sample Info: 360-24365-a-9-c

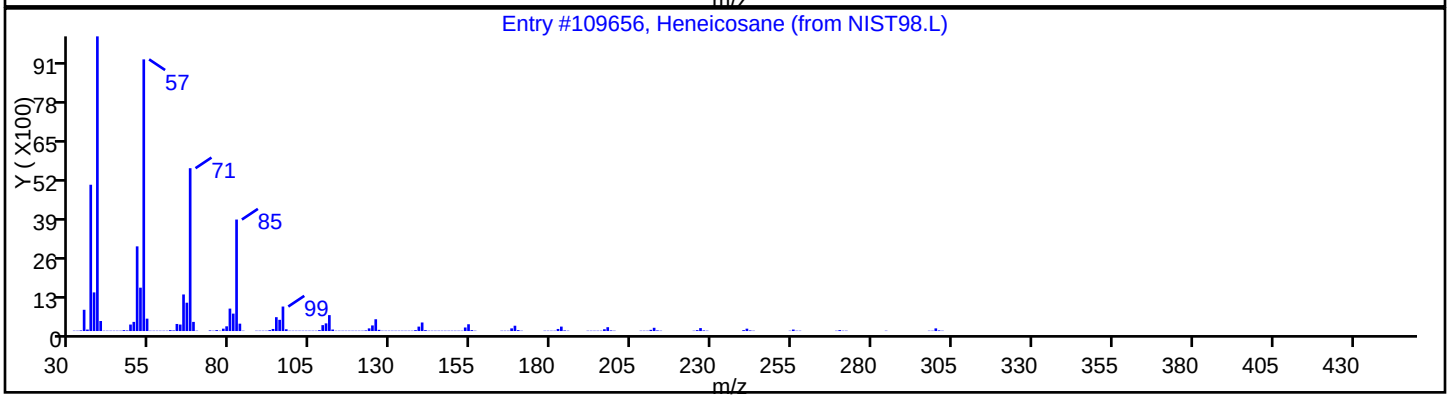
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane	593-45-3	NIST98.L	112329	96
Tricosane	638-67-5	NIST98.L	109662	95
Heneicosane	629-94-7	NIST98.L	109656	93









Report Date: 23-Sep-2009 11:45:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10457.D

Inj Date: 22-Sep-2009 01:44:30 Limit Group: SMS - 8270LL SVOA Calibration

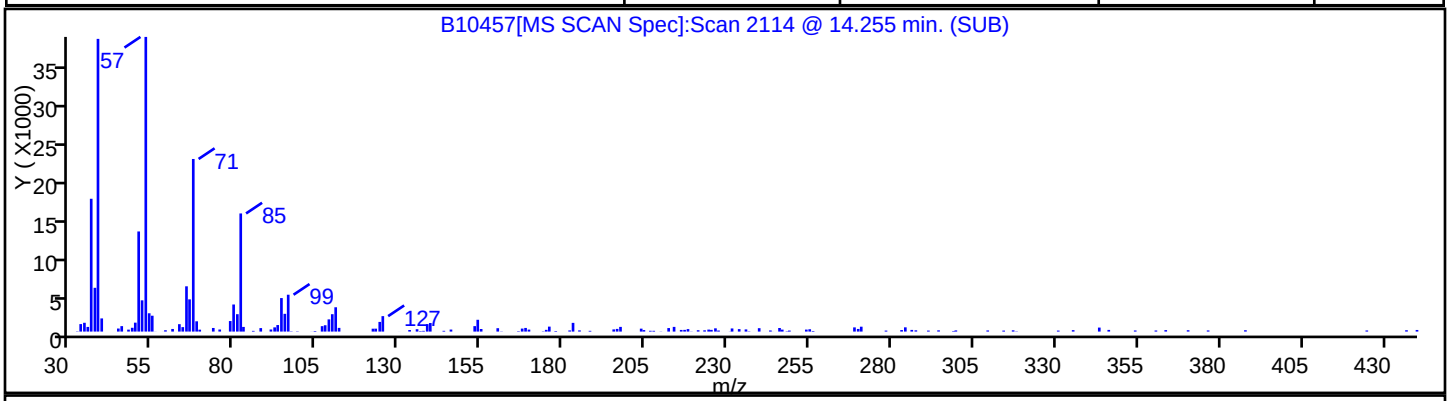
Lims Batch ID: 49266 Lims Sample ID: 20

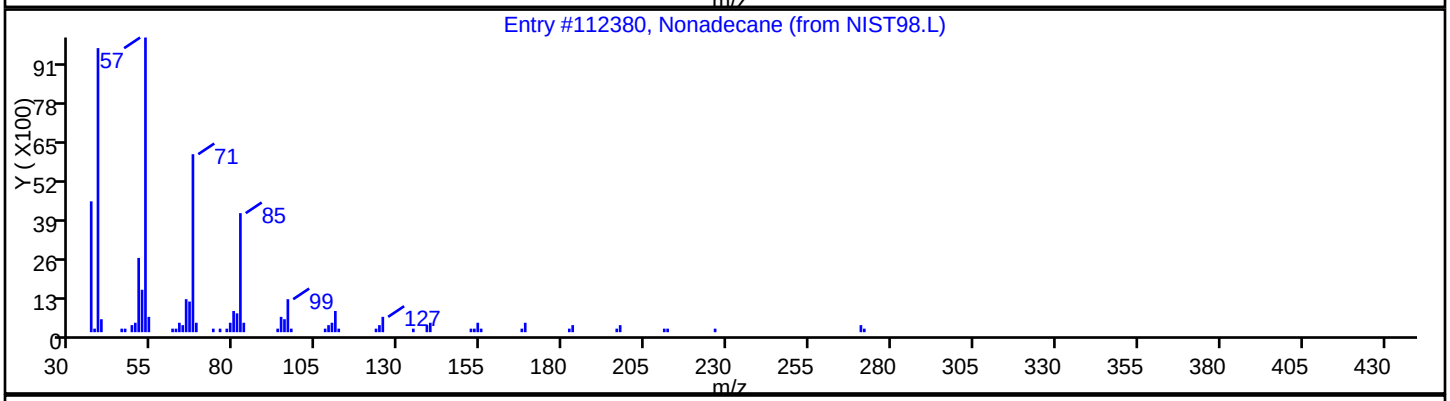
Client ID: OC-SB-452-13/15-XXX Instrument: Inst. B

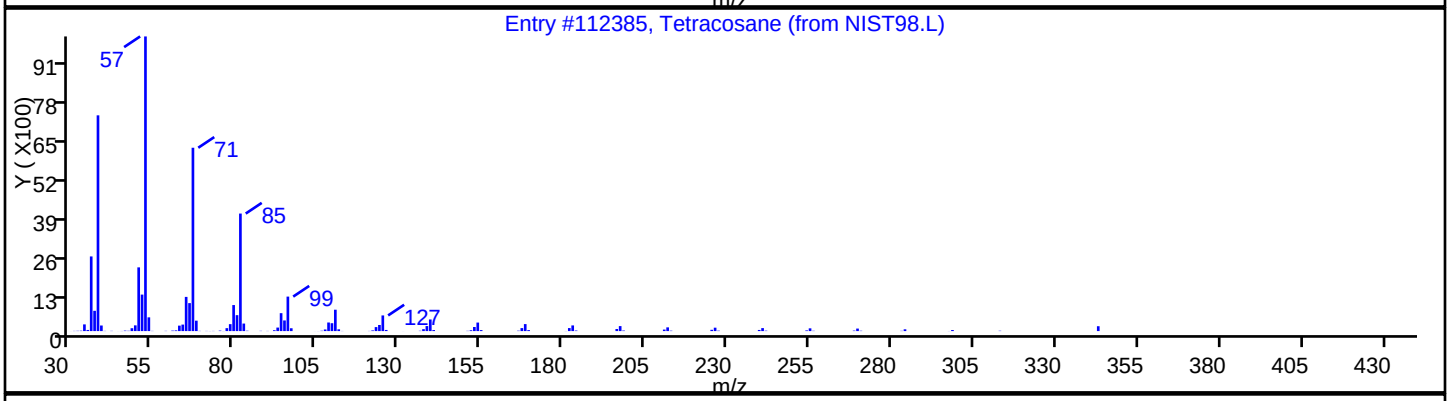
Sample Info: 360-24365-a-9-c

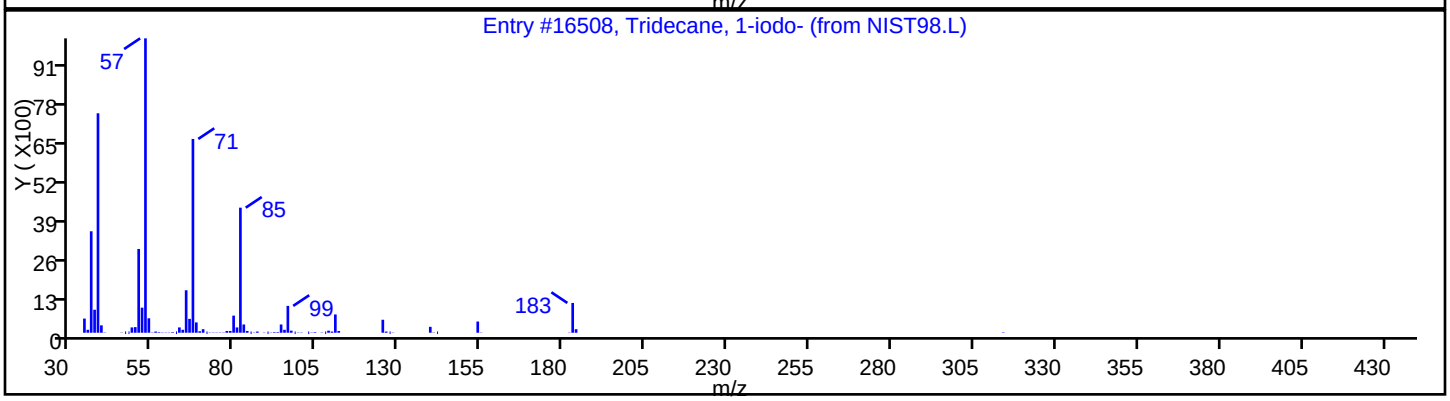
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Nonadecane	629-92-5	NIST98.L	112380	98
Tetracosane	646-31-1	NIST98.L	112385	96
Tridecane, 1-iodo-	35599-77-0	NIST98.L	16508	96









Report Date: 23-Sep-2009 11:45:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10457.D

Inj Date: 22-Sep-2009 01:44:30 Limit Group: SMS - 8270LL SVOA Calibration

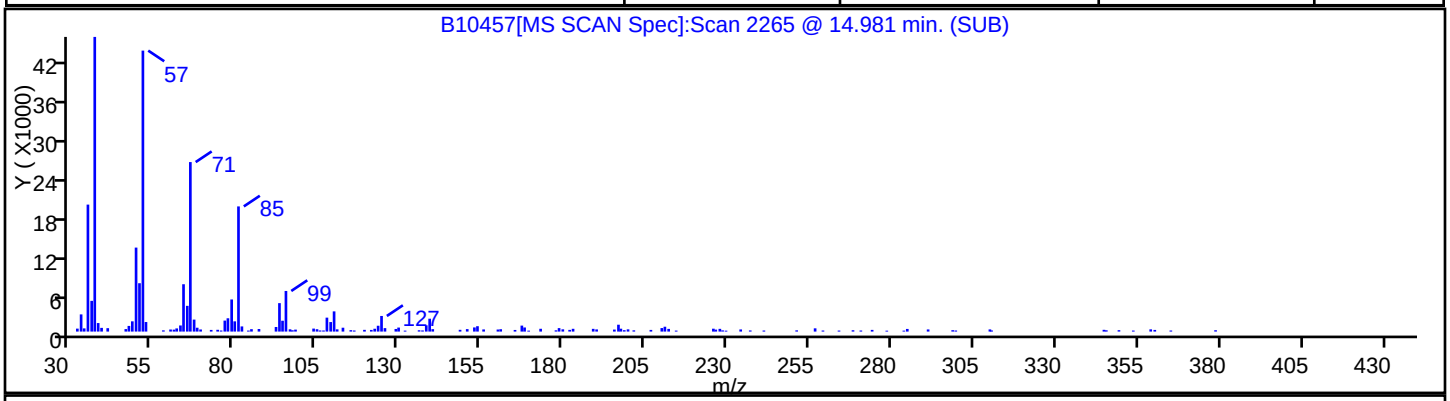
Lims Batch ID: 49266 Lims Sample ID: 20

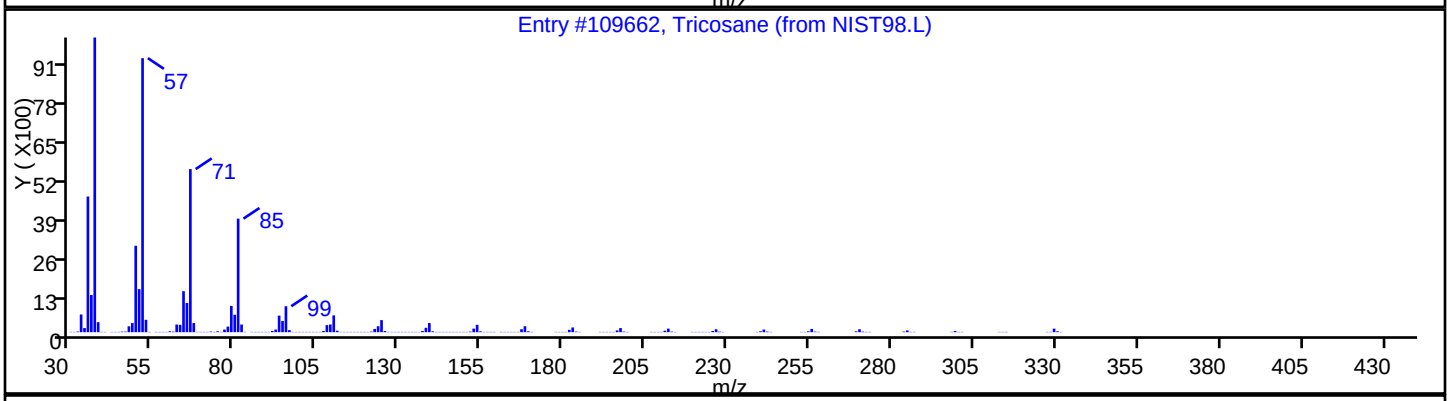
Client ID: OC-SB-452-13/15-XXX Instrument: Inst. B

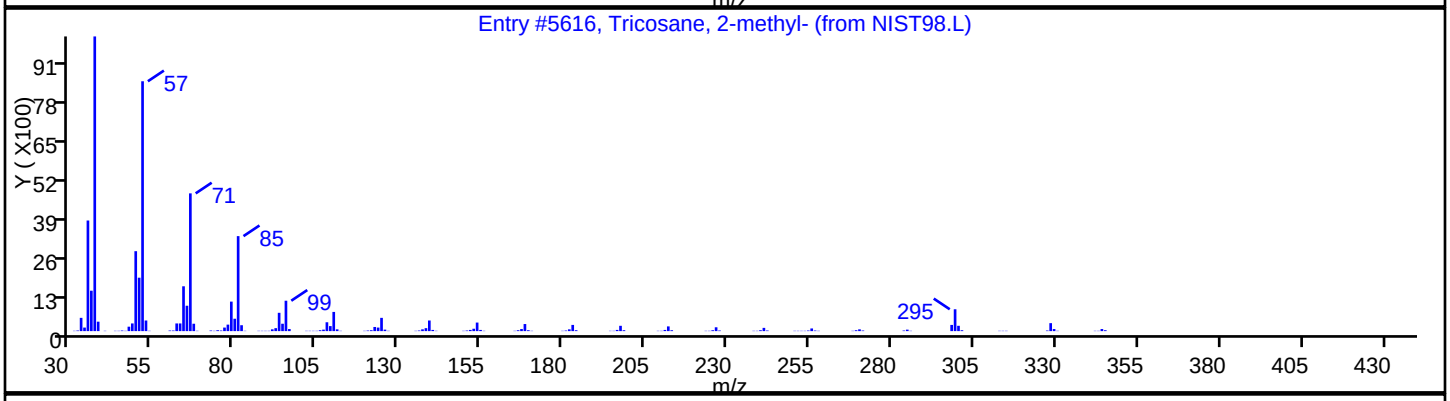
Sample Info: 360-24365-a-9-c

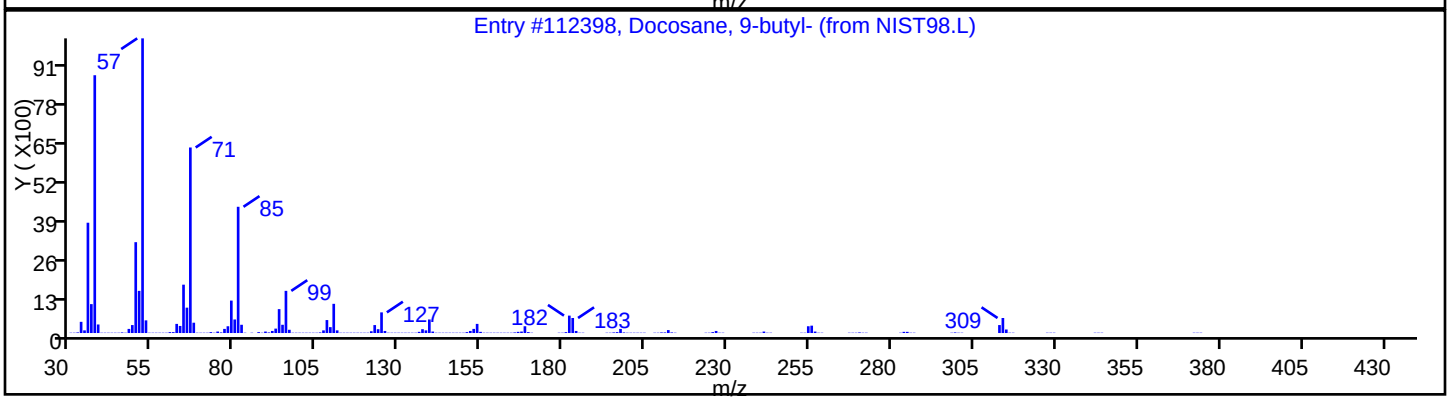
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tricosane	638-67-5	NIST98.L	109662	93
Tricosane, 2-methyl-	1928-30-9	NIST98.L	5616	89
Docosane, 9-butyl-	55282-14-9	NIST98.L	112398	87









Report Date: 23-Sep-2009 11:45:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10457.D

Inj Date: 22-Sep-2009 01:44:30 Limit Group: SMS - 8270LL SVOA Calibration

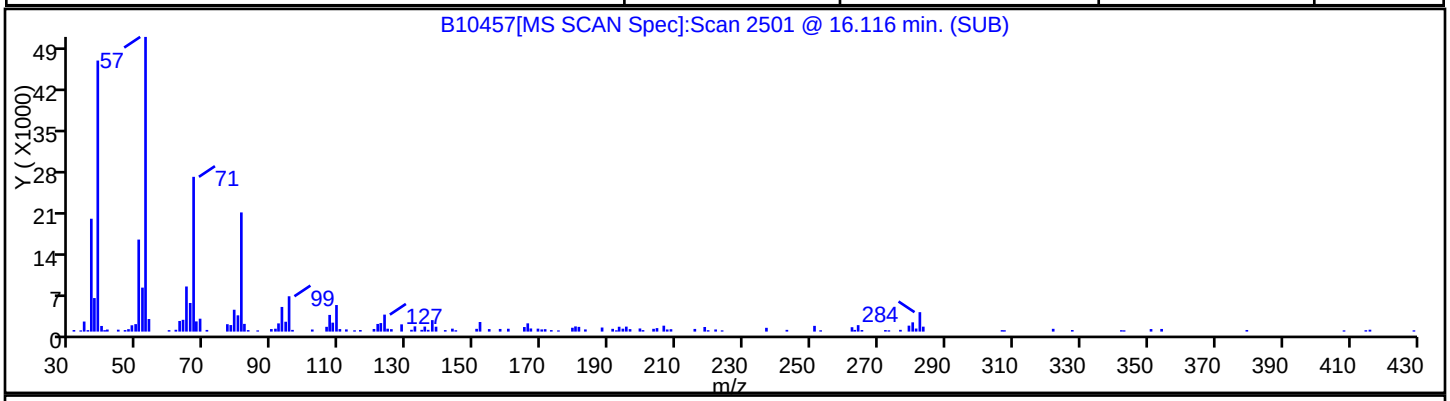
Lims Batch ID: 49266 Lims Sample ID: 20

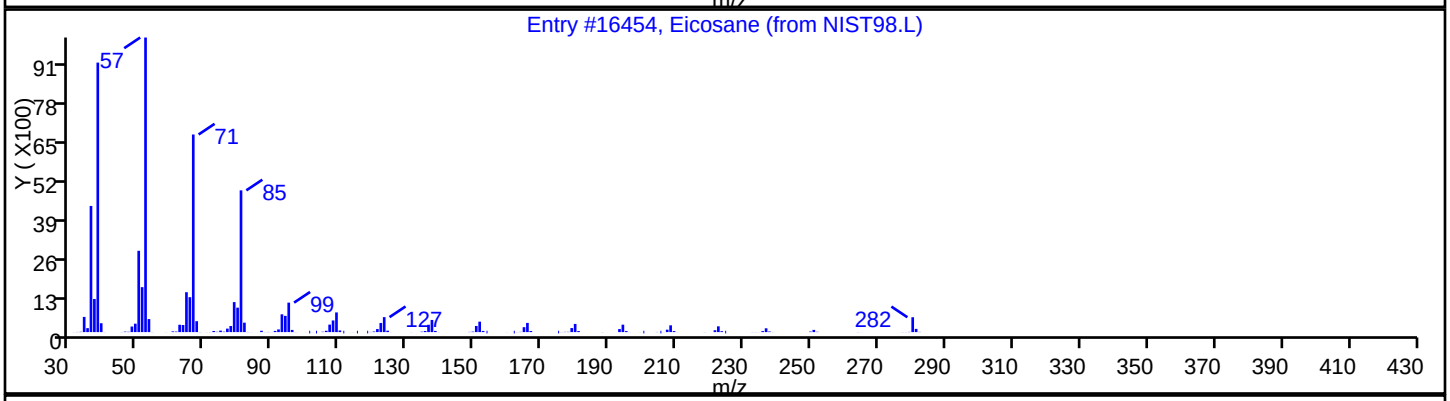
Client ID: OC-SB-452-13/15-XXX Instrument: Inst. B

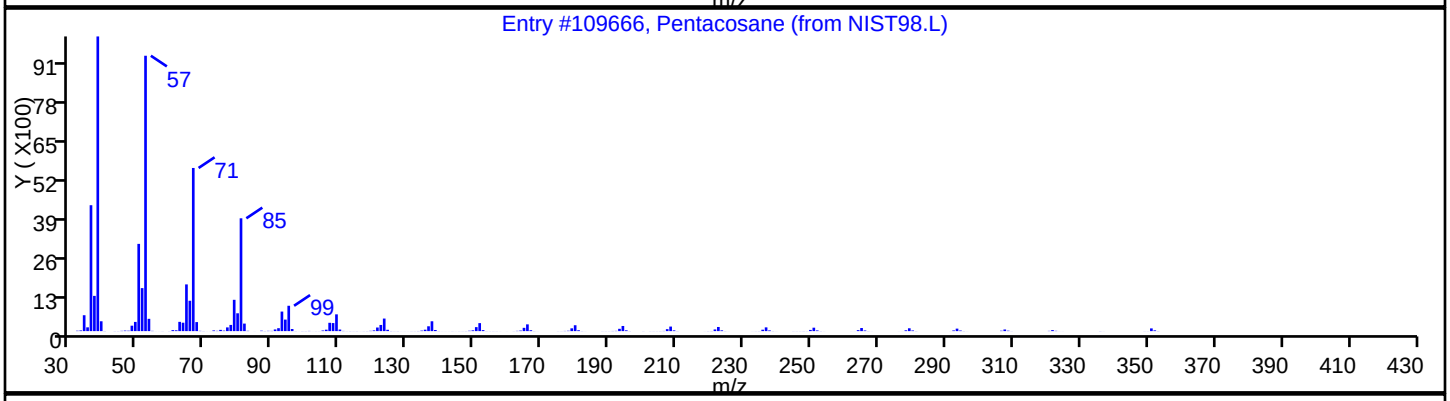
Sample Info: 360-24365-a-9-c

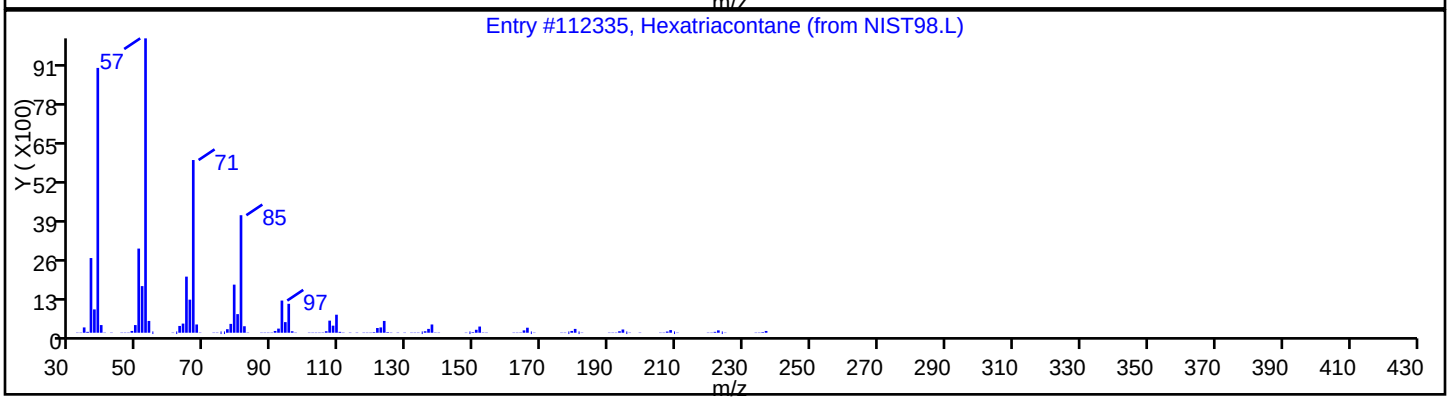
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane	112-95-8	NIST98.L	16454	95
Pentacosane	629-99-2	NIST98.L	109666	91
Hexatriacontane	630-6-8	NIST98.L	112335	91









Report Date: 23-Sep-2009 11:45:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10457.D		
Inj Date:	22-Sep-2009 01:44:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	20
Client ID:	OC-SB-452-13/15-XXX	Instrument:	Inst. B
Sample Info:	360-24365-a-9-c		
Sample Amount:	1.00 ul	Operator:	MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
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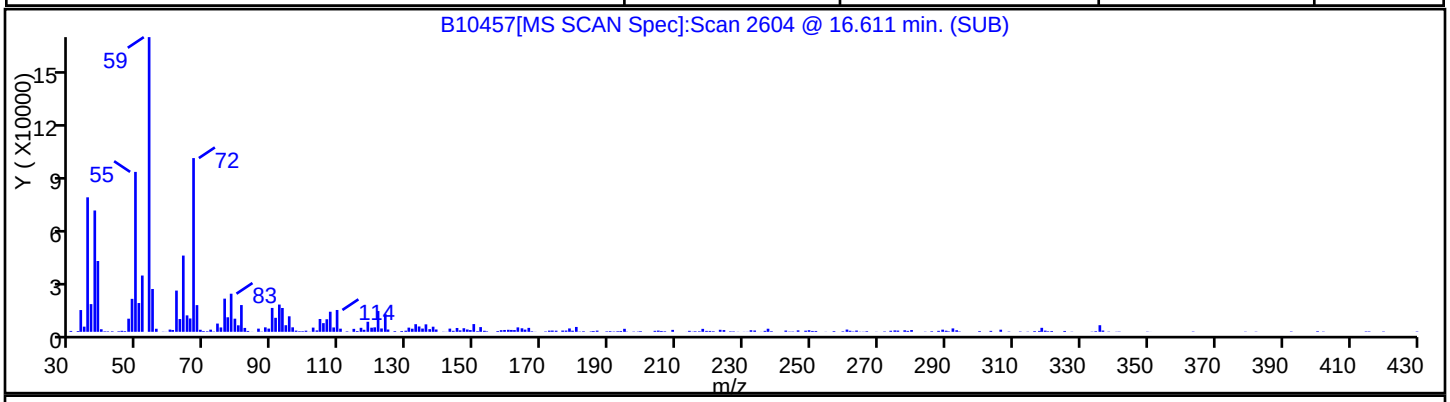
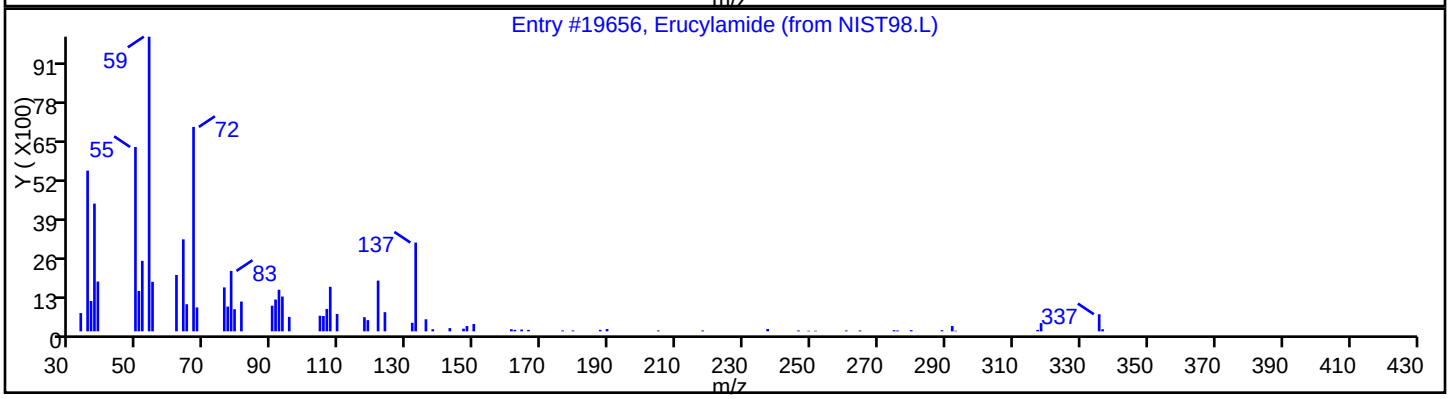




FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: OC-SB-458-22/24-XXX | Lab Sample ID: 360-24365-14

Matrix: Solid | Lab File ID: B10460.D

Analysis Method: 8270C LL | Date Collected: 08/31/2009 16:30

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.42(g) | Date Analyzed: 09/22/2009 03:17

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

% Moisture: 8.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		36	11
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		36	11
120-82-1	1,2,4-Trichlorobenzene	ND		36	11
95-50-1	1,2-Dichlorobenzene	ND		36	11
541-73-1	1,3-Dichlorobenzene	ND		36	11
106-46-7	1,4-Dichlorobenzene	ND		36	11
90-12-0	1-Methylnaphthalene	ND		36	11
108-60-1	2,2'-oxybis[1-chloropropane]	ND		36	11
58-90-2	2,3,4,6-Tetrachlorophenol	ND		36	11
95-95-4	2,4,5-Trichlorophenol	ND		36	11
88-06-2	2,4,6-Trichlorophenol	ND		36	11
120-83-2	2,4-Dichlorophenol	ND		36	11
105-67-9	2,4-Dimethylphenol	ND		36	14
51-28-5	2,4-Dinitrophenol	ND		36	11
121-14-2	2,4-Dinitrotoluene	ND		36	11
606-20-2	2,6-Dinitrotoluene	ND		36	11
91-58-7	2-Chloronaphthalene	ND		36	11
95-57-8	2-Chlorophenol	ND		36	11
91-57-6	2-Methylnaphthalene	ND		36	11
95-48-7	2-Methylphenol	ND		36	21
88-74-4	2-Nitroaniline	ND		180	11
88-75-5	2-Nitrophenol	ND		36	11
15831-10-4	3 & 4 Methylphenol	ND		36	11
91-94-1	3,3'-Dichlorobenzidine	ND		71	11
99-09-2	3-Nitroaniline	ND		180	11
534-52-1	4,6-Dinitro-2-methylphenol	ND		180	11
101-55-3	4-Bromophenyl phenyl ether	ND		36	11
59-50-7	4-Chloro-3-methylphenol	ND		71	11
106-47-8	4-Chloroaniline	ND		71	11
7005-72-3	4-Chlorophenyl phenyl ether	ND		36	11
100-01-6	4-Nitroaniline	ND		180	11
100-02-7	4-Nitrophenol	ND		180	11
83-32-9	Acenaphthene	ND		36	11
208-96-8	Acenaphthylene	ND		36	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: OC-SB-458-22/24-XXX | Lab Sample ID: 360-24365-14

Matrix: Solid | Lab File ID: B10460.D

Analysis Method: 8270C LL | Date Collected: 08/31/2009 16:30

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.42(g) | Date Analyzed: 09/22/2009 03:17

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

% Moisture: 8.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		36	11
62-53-3	Aniline	ND	*	36	11
120-12-7	Anthracene	ND		36	11
1912-24-9	Atrazine	ND		36	11
103-33-3	Azobenzene	ND		36	11
100-52-7	Benzaldehyde	ND		36	11
56-55-3	Benzo[a]anthracene	ND		36	11
50-32-8	Benzo[a]pyrene	ND		36	11
205-99-2	Benzo[b]fluoranthene	ND		36	11
191-24-2	Benzo[g,h,i]perylene	ND		36	11
207-08-9	Benzo[k]fluoranthene	ND		36	11
65-85-0	Benzoic acid	ND		180	16
119-61-9	Benzophenone	ND		36	11
100-51-6	Benzyl alcohol	ND		71	30
111-91-1	Bis(2-chloroethoxy)methane	ND		36	11
111-44-4	Bis(2-chloroethyl)ether	ND		36	11
117-81-7	Bis(2-ethylhexyl) phthalate	ND		36	11
85-68-7	Butyl benzyl phthalate	ND		36	11
105-60-2	Caprolactam	ND		36	11
86-74-8	Carbazole	ND		36	11
218-01-9	Chrysene	ND		36	11
53-70-3	Dibenz(a,h)anthracene	ND		36	11
132-64-9	Dibenzofuran	ND		36	11
84-66-2	Diethyl phthalate	ND		36	11
131-11-3	Dimethyl phthalate	ND		36	11
84-74-2	Di-n-butyl phthalate	ND		36	31
117-84-0	Di-n-octyl phthalate	ND		36	18
101-84-8	Diphenyl oxide	ND		36	11
206-44-0	Fluoranthene	ND		36	11
86-73-7	Fluorene	ND		36	11
118-74-1	Hexachlorobenzene	ND		36	11
87-68-3	Hexachlorobutadiene	ND		36	11
77-47-4	Hexachlorocyclopentadiene	ND		71	11
67-72-1	Hexachloroethane	ND		36	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: OC-SB-458-22/24-XXX | Lab Sample ID: 360-24365-14

Matrix: Solid | Lab File ID: B10460.D

Analysis Method: 8270C LL | Date Collected: 08/31/2009 16:30

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.42(g) | Date Analyzed: 09/22/2009 03:17

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

% Moisture: 8.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	ND		36	11
78-59-1	Isophorone	ND		36	11
91-20-3	Naphthalene	ND		86	11
98-95-3	Nitrobenzene	ND		36	11
62-75-9	N-Nitrosodimethylamine	ND		36	13
621-64-7	N-Nitrosodi-n-propylamine	ND		36	11
86-30-6	N-Nitrosodiphenylamine	ND		36	11
87-86-5	Pentachlorophenol	ND		36	11
85-01-8	Phenanthrene	ND		43	11
108-95-2	Phenol	ND		36	11
129-00-0	Pyrene	ND		36	11

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	57	30-130	
321-60-8	2-Fluorobiphenyl	53	30-130	
367-12-4	2-Fluorophenol	65	30-130	
4165-60-0	Nitrobenzene-d5	62	30-130	
4165-62-2	Phenol-d5	66	30-130	
1718-51-0	Terphenyl-d14	56	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: OC-SB-458-22/24-XXX | Lab Sample ID: 360-24365-14

Matrix: Solid | Lab File ID: B10460.D

Analysis Method: 8270C LL | Date Collected: 08/31/2009 16:30

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.42(g) | Date Analyzed: 09/22/2009 03:17

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

% Moisture: 8.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 325

CAS NO.	COMPOUND NAME	RT	RESULT	Q
128-37-0	Butylated Hydroxytoluene	10.48	24	T J N
27193-28-8	Phenol, (1,1,3,3-tetramethylbutyl)-	10.93	20	T J N
615-22-5	Benzothiazole, 2-(methylthio)-	11.07	37	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	11.43	28	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	11.85	21	T J N
596-85-0	1-Naphthalenepropanol, .alpha.-ethenylde	12.79	120	T J N
629-99-2	Pentacosane	14.98	16	T J N
638-67-5	Tricosane	15.61	20	T J N
630-6-8	Hexatriacontane	16.12	23	T J N
630-3-5	Nonacosane	16.64	16	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10460.D		
Lims ID:	360-24365-A-14-C	Client ID:	OC-SB-458-22/24-XXX
Inject. Date:	22-Sep-2009 03:17:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24365-a-14-c		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	23
Lims Batch ID:	49266	Lims Sample ID:	23
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	23-Sep-2009 12:15:05	Calib Date:	21-Sep-2009 19:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 12:15:05

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.902	7.900	0.002	533329	2.00	
* 2 Naphthalene-d8	136	9.032	9.030	0.002	1307025	2.00	
* 3 Acenaphthene-d10	164	10.532	10.535	-0.003	675802	2.00	
* 4 Phenanthrene-d10	188	11.802	11.800	0.002	1159054	2.00	
* 5 Chrysene-d12	240	15.404	15.397	0.007	717427	2.00	
* 6 Perylene-d12	264	17.846	17.840	0.006	485370	2.00	
$ 7 2-Fluorophenol	112	6.671	6.630	0.041	983188	6.55	
$ 8 Phenol-d5	99	7.532	7.520	0.012	1146423	6.63	
$ 9 Nitrobenzene-d5	82	8.392	8.390	0.002	522642	3.12	
$ 10 2-Fluorobiphenyl	172	9.926	9.924	0.002	1188389	2.66	
$ 11 2,4,6-Tribromophenol	330	11.205	11.204	0.001	239245	5.67	
$ 12 Terphenyl-d14	244	13.432	13.425	0.007	961494	2.81	
30 Acetophenone	105	8.248	8.246	0.002	23759	0.1152	
84 Di-n-butyl phthalate	149	12.206	12.204	0.002	113290	0.1602	
92 Bis(2-ethylhexyl) phthalate	149	15.283	15.281	0.002	67659	0.2525	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10460.D		
Lims ID:	360-24365-A-14-C	Client ID:	OC-SB-458-22/24-XXX
Inject. Date:	22-Sep-2009 03:17:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24365-a-14-c		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	23
Lims Batch ID:	49266	Lims Sample ID:	23
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	23-Sep-2009 12:15:05	Calib Date:	21-Sep-2009 19:31:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 12:15:05

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Alpha-Terpineol	8.974	5632	0.0413	
Pentachloronitrobenzene	11.643	364	0.0898	
Benzidine	13.110	1047	0.2008	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
98-83-9 .alpha.-Methylstyrene						
7.632	302205	0.2606	1	96	120637	
128-37-0 Butylated Hydroxytoluene						
10.479	996001	0.6805	3	98	84224	
27193-28-8 Phenol, (1,1,3,3-tetramethylbutyl)-						
10.931	816439	0.5578	3	95	61171	
615-22-5 Benzothiazole, 2-(methylthio)-						
11.066	1517832	1.04	3	99	125390	
3910-35-8 1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3						
11.431	1189860	0.7795	4	97	126944	
22768-22-5 2,4-Diphenyl-4-methyl-2(E)-pentene						
11.845	892416	0.5846	4	95	64461	
112-39-0 Hexadecanoic acid, methyl ester						
12.028	437892	0.2869	4	95	115417	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
596-85-0	1-Naphthalenepropanol, .alpha.-ethenylde					
12.792	5273012	3.45	4	91	62278	
112-95-8	Eicosane					
14.254	379513	0.3759	5	92	112343	
629-99-2	Pentacosane					
14.980	454529	0.4502	5	98	109666	
638-67-5	Tricosane					
15.610	565359	0.5600	5	93	16532	
630-6-8	Hexatriacontane					
16.115	647199	0.6411	5	93	112335	
630-3-5	Nonacosane					
16.639	383965	0.4447	6	95	109621	
629-92-5	Nonadecane					
17.212	383732	0.4444	6	98	112381	

Quantitation Compounds

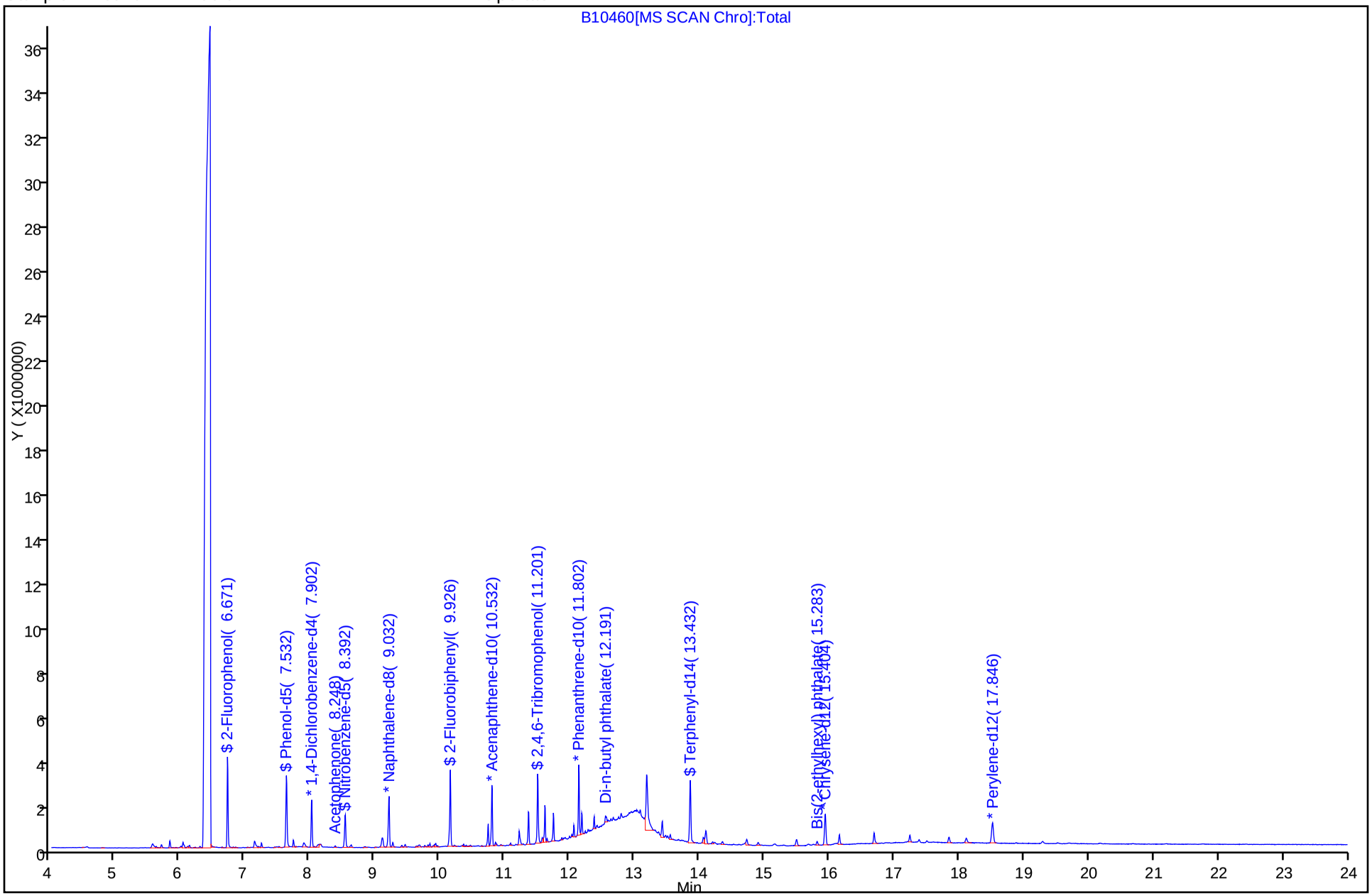
Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	7.902	2319423	2.00
* 3 Acenaphthene-d10	10.532	2927261	2.00
* 4 Phenanthrene-d10	11.802	3052862	2.00
* 5 Chrysene-d12	15.404	2019100	2.00
* 6 Perylene-d12	17.846	1726773	2.00

QC Flag Legend

Processing Flags

Report Date: 23-Sep-2009 12:15:06 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10460.D		
Inj Date:	22-Sep-2009 03:17:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	23
Client ID:	OC-SB-458-22/24-XXX	Instrument:	Inst. B
Sample Info:	360-24365-a-14-c		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 23-Sep-2009 12:15:08 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10460.D

Inj Date: 22-Sep-2009 03:17:30 Limit Group: SMS - 8270LL SVOA Calibration

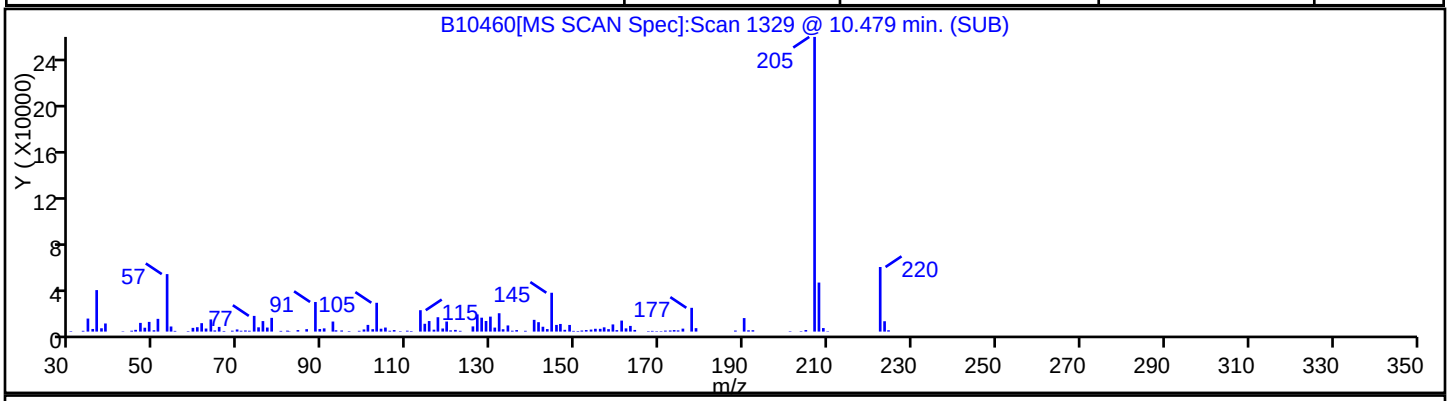
Lims Batch ID: 49266 Lims Sample ID: 23

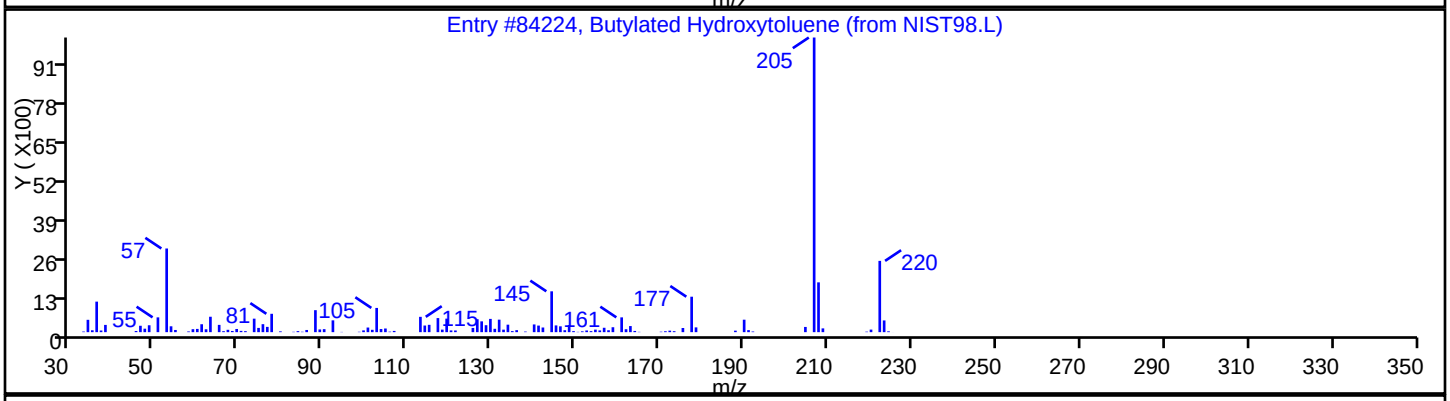
Client ID: OC-SB-458-22/24-XXX Instrument: Inst. B

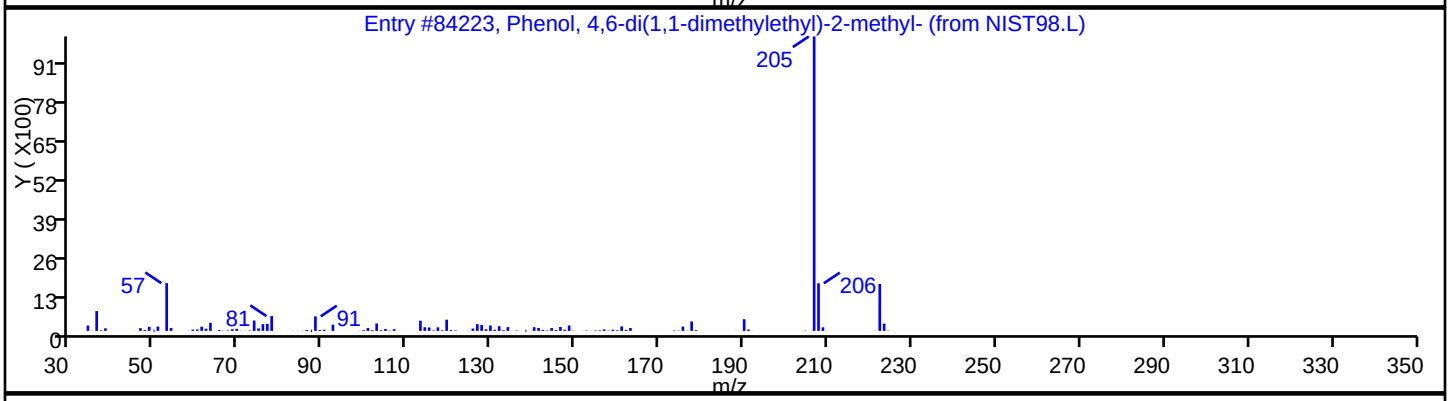
Sample Info: 360-24365-a-14-c

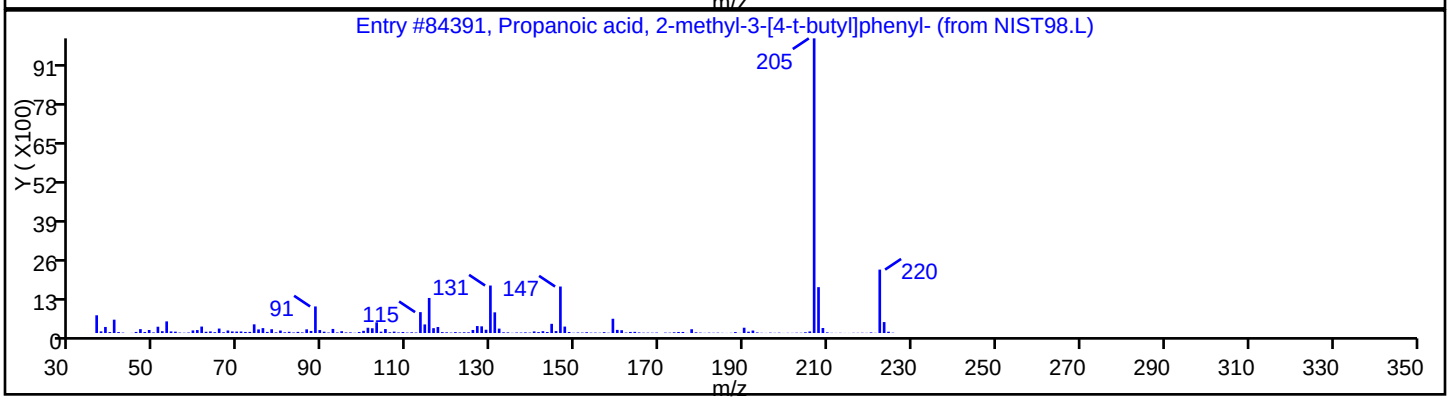
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Butylated Hydroxytoluene	128-37-0	NIST98.L	84224	98
Phenol, 4,6-di(1,1-dimethylethyl)-2-meth	616-55-7	NIST98.L	84223	87
Propanoic acid, 2-methyl-3-[4-t-butyl]ph	1000131-87-0	NIST98.L	84391	50









Report Date: 23-Sep-2009 12:15:08 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10460.D

Inj Date: 22-Sep-2009 03:17:30 Limit Group: SMS - 8270LL SVOA Calibration

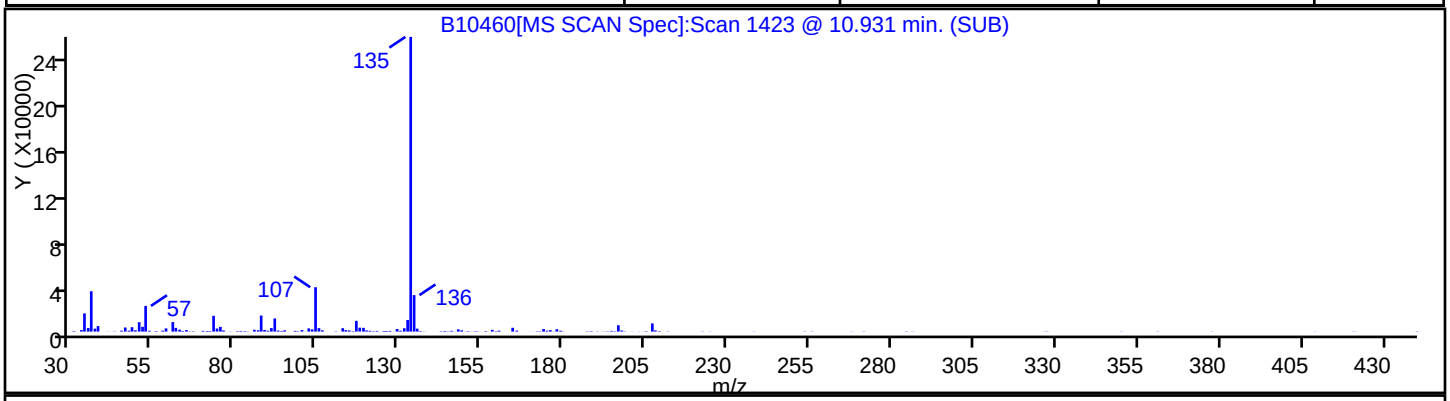
Lims Batch ID: 49266 Lims Sample ID: 23

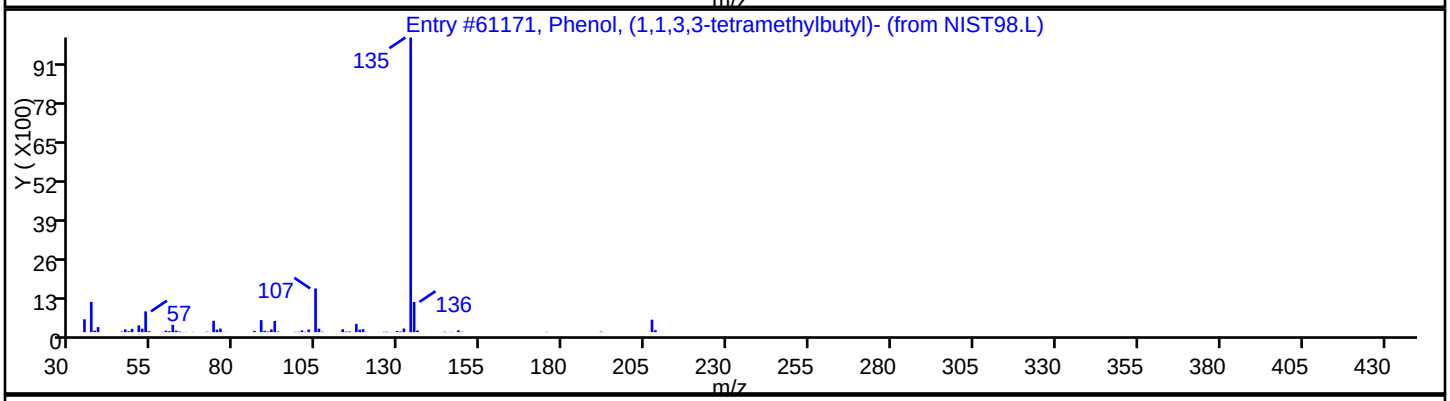
Client ID: OC-SB-458-22/24-XXX Instrument: Inst. B

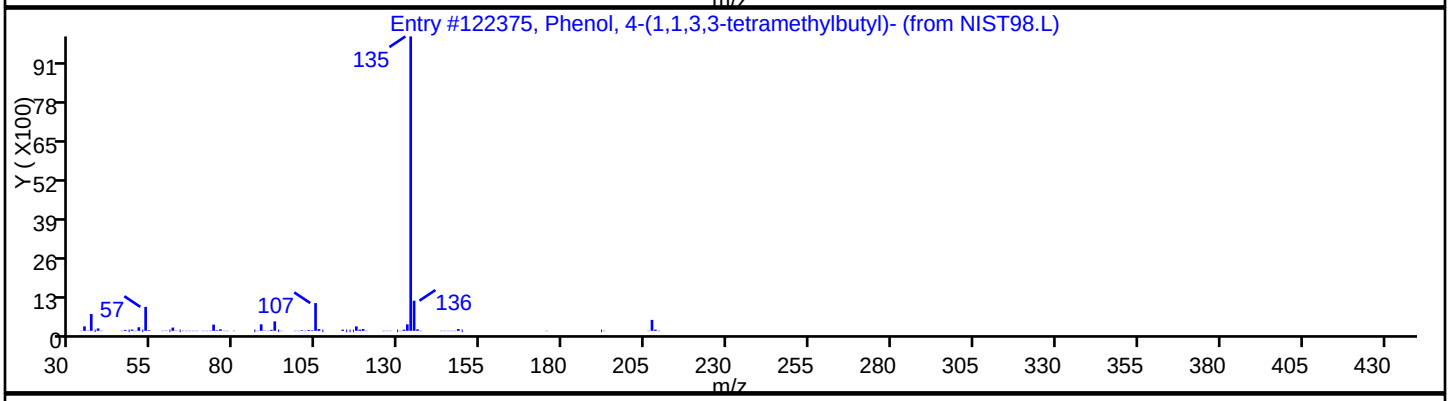
Sample Info: 360-24365-a-14-c

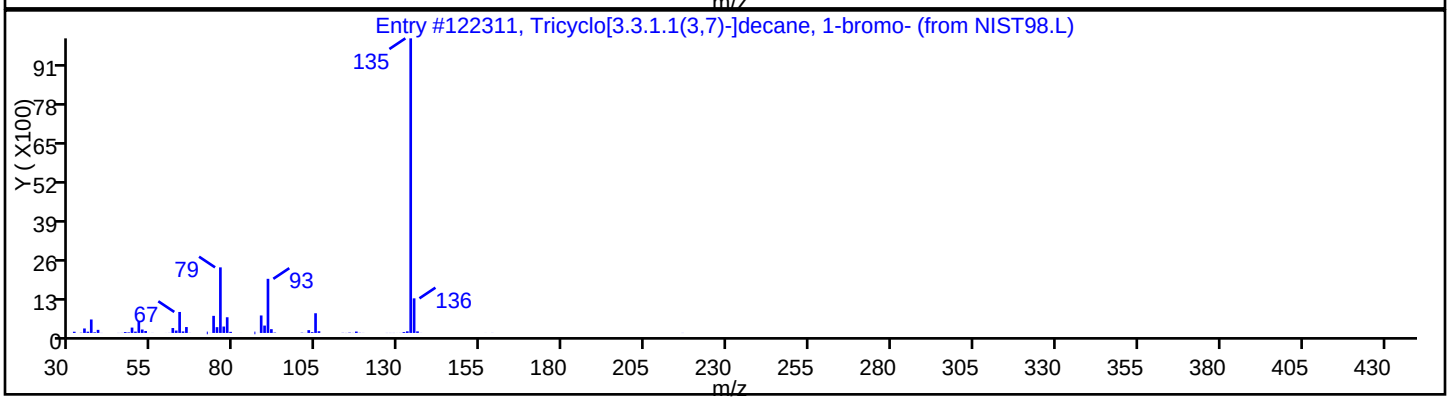
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Phenol, (1,1,3,3-tetramethylbutyl)-	27193-28-8	NIST98.L	61171	95
Phenol, 4-(1,1,3,3-tetramethylbutyl)-	140-66-9	NIST98.L	122375	91
Tricyclo[3.3.1.1(3,7)-]decane, 1-bromo-	768-90-1	NIST98.L	122311	59









Report Date: 23-Sep-2009 12:15:08 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10460.D

Inj Date: 22-Sep-2009 03:17:30 Limit Group: SMS - 8270LL SVOA Calibration

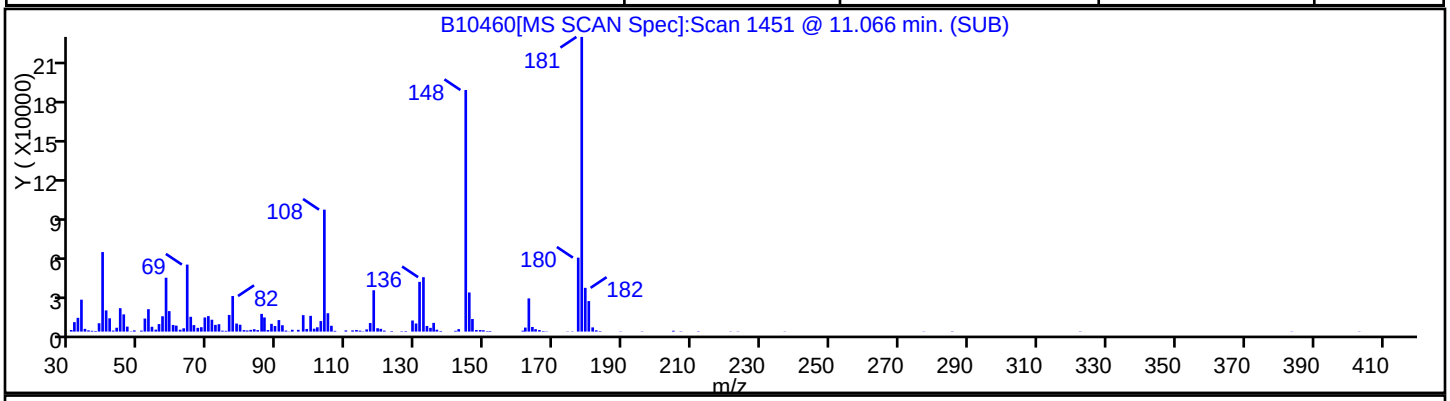
Lims Batch ID: 49266 Lims Sample ID: 23

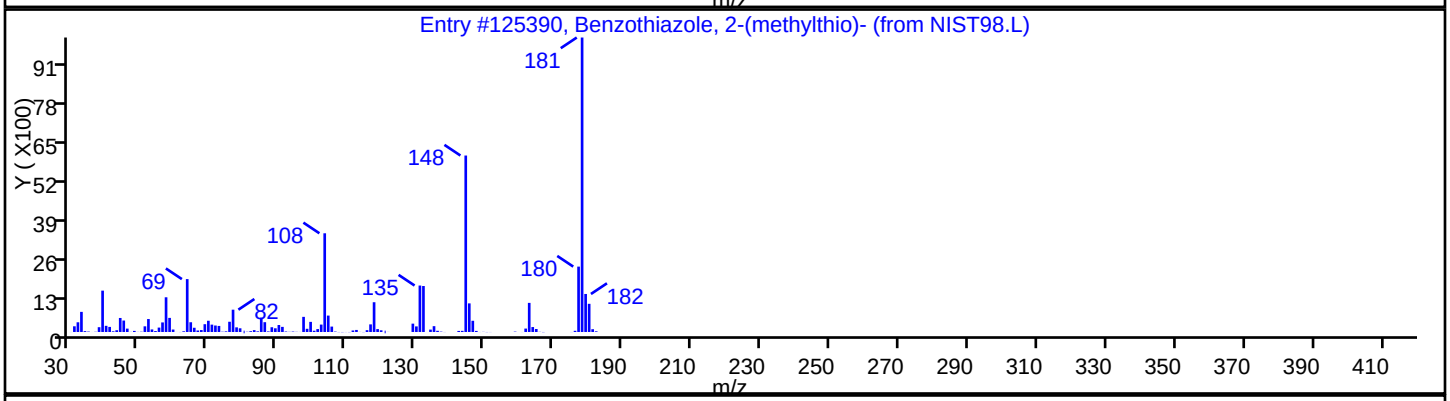
Client ID: OC-SB-458-22/24-XXX Instrument: Inst. B

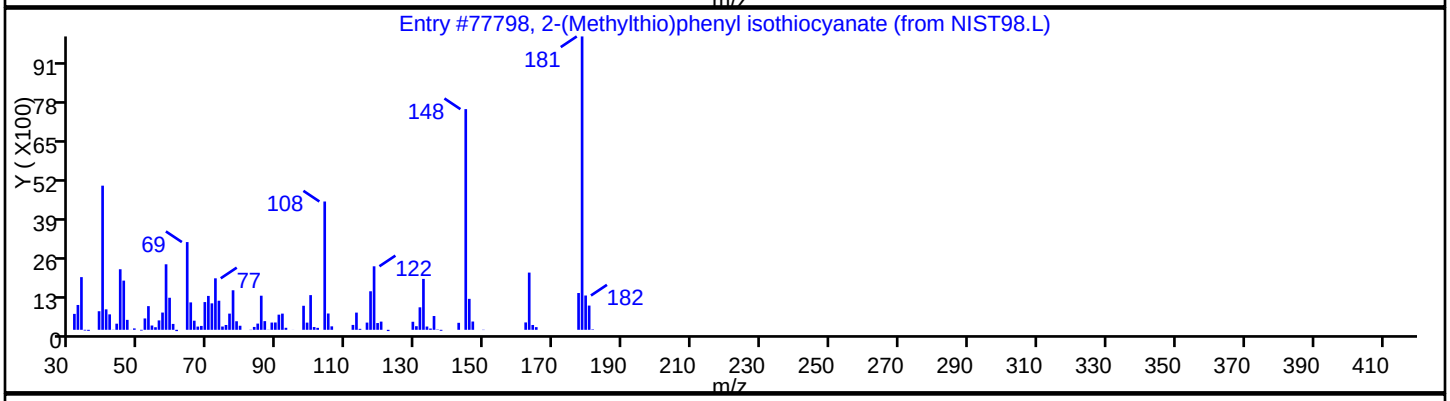
Sample Info: 360-24365-a-14-c

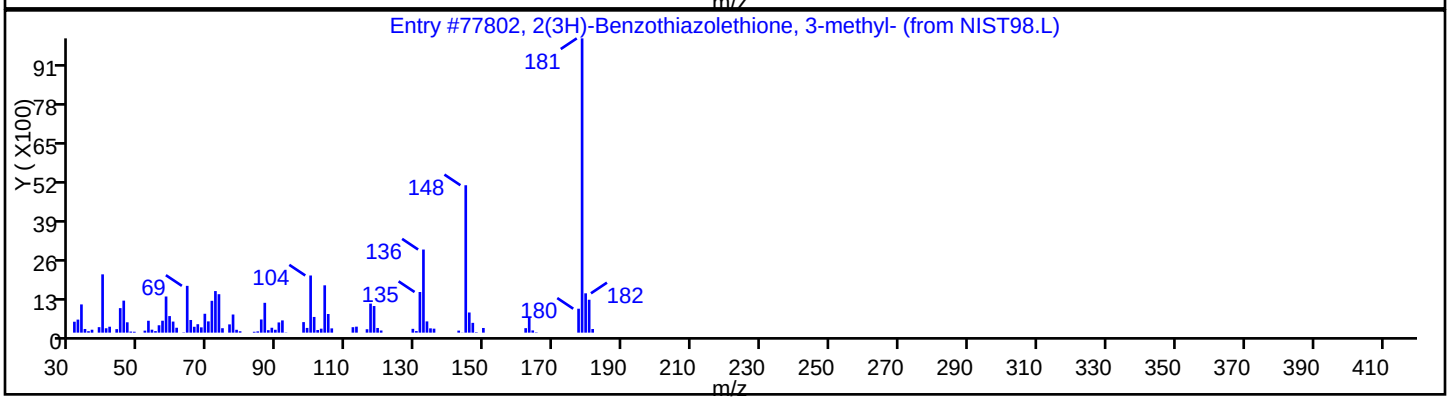
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzothiazole, 2-(methylthio)-	615-22-5	NIST98.L	125390	99
2-(Methylthio)phenyl isothiocyanate	51333-75-6	NIST98.L	77798	78
2(3H)-Benzothiazolethione, 3-methyl-	2254-94-6	NIST98.L	77802	74









Report Date: 23-Sep-2009 12:15:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10460.D

Inj Date: 22-Sep-2009 03:17:30 Limit Group: SMS - 8270LL SVOA Calibration

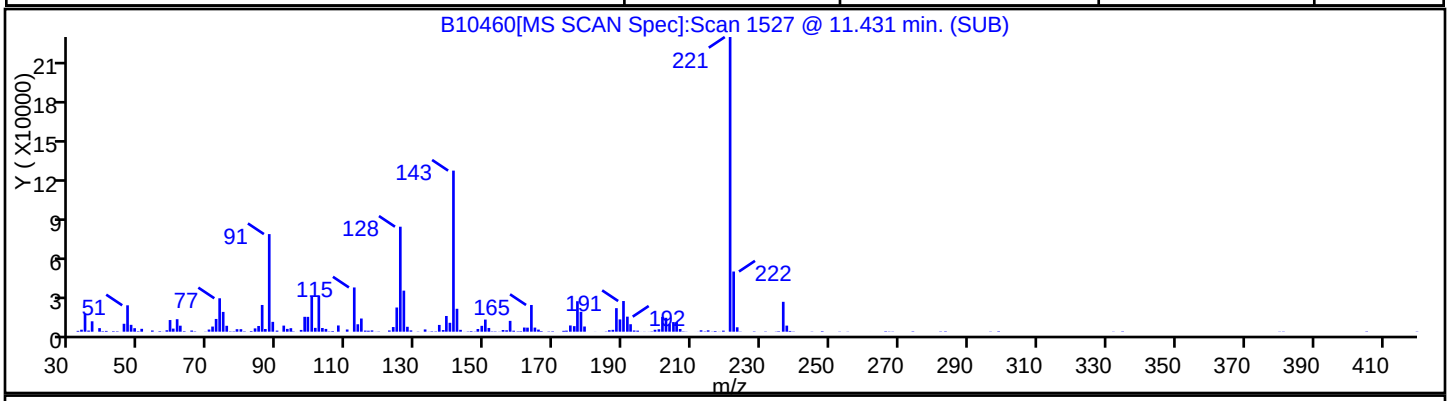
Lims Batch ID: 49266 Lims Sample ID: 23

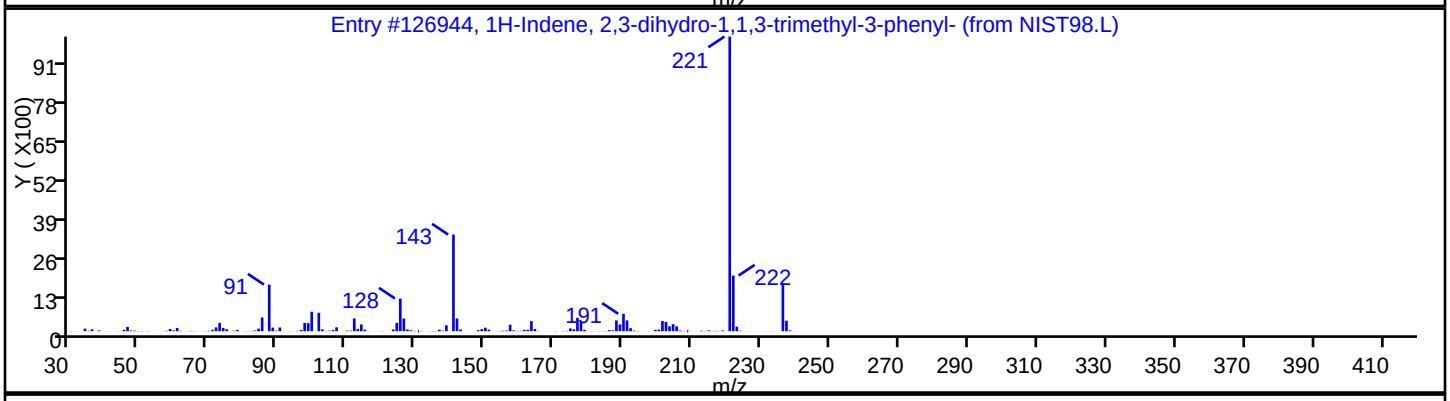
Client ID: OC-SB-458-22/24-XXX Instrument: Inst. B

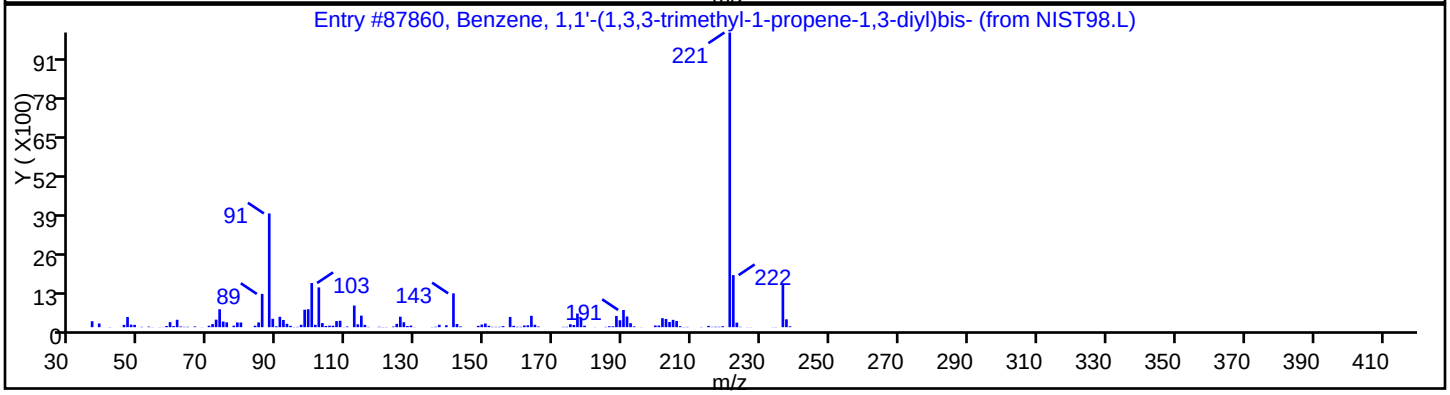
Sample Info: 360-24365-a-14-c

Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	3910-35-8	NIST98.L	126944	97
Benzene, 1,1'-(1,3,3-trimethyl-1-propene	6258-73-7	NIST98.L	87860	55



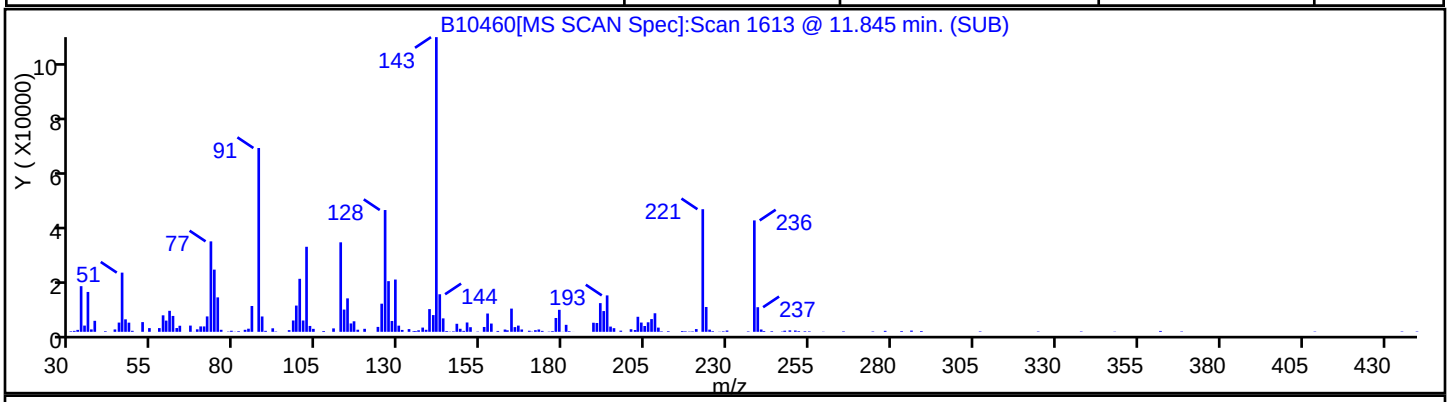


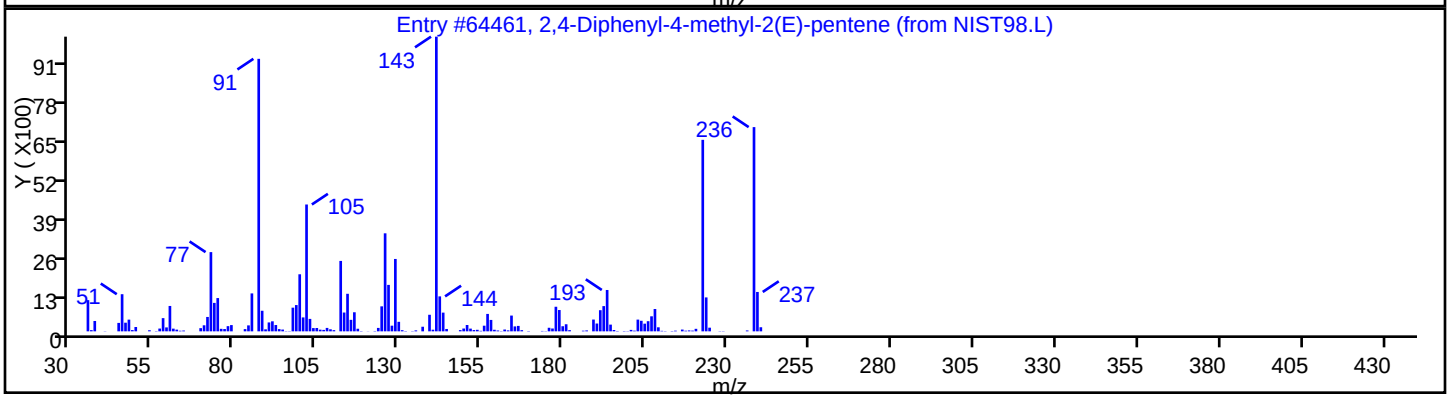


Report Date: 23-Sep-2009 12:15:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10460.D		
Inj Date:	22-Sep-2009 03:17:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	23
Client ID:	OC-SB-458-22/24-XXX	Instrument:	Inst. B
Sample Info:	360-24365-a-14-c		
Sample Amount:	1.00 ul	Operator:	MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
2,4-Diphenyl-4-methyl-2(E)-pentene	22768-22-5	NIST98.L	64461	95





Report Date: 23-Sep-2009 12:15:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10460.D

Inj Date: 22-Sep-2009 03:17:30 Limit Group: SMS - 8270LL SVOA Calibration

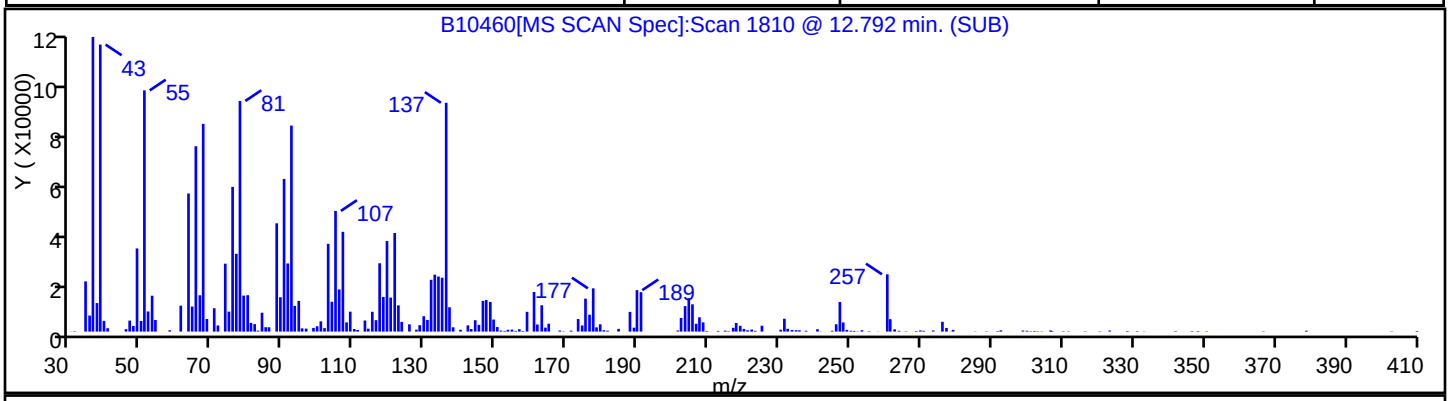
Lims Batch ID: 49266 Lims Sample ID: 23

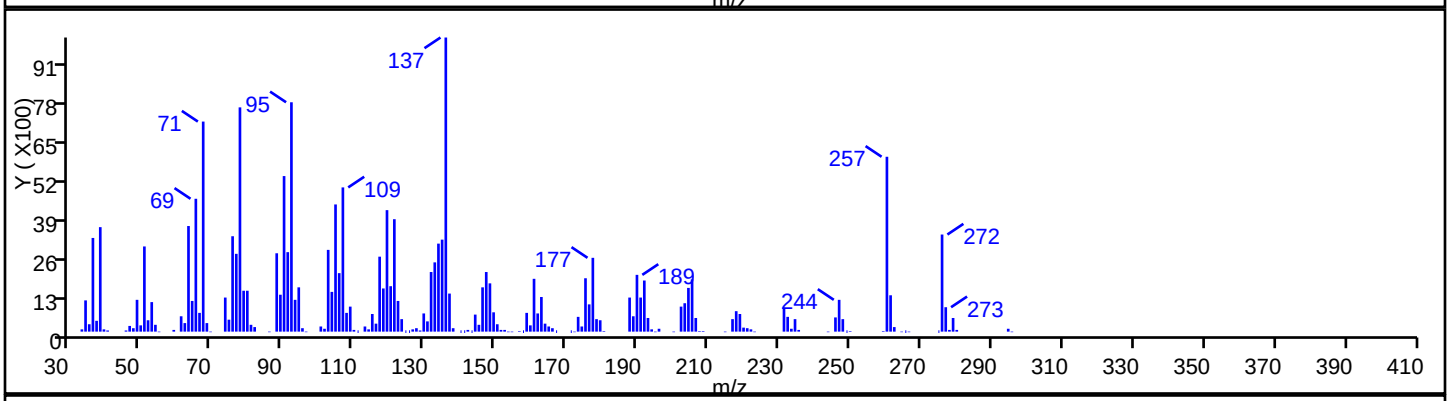
Client ID: OC-SB-458-22/24-XXX Instrument: Inst. B

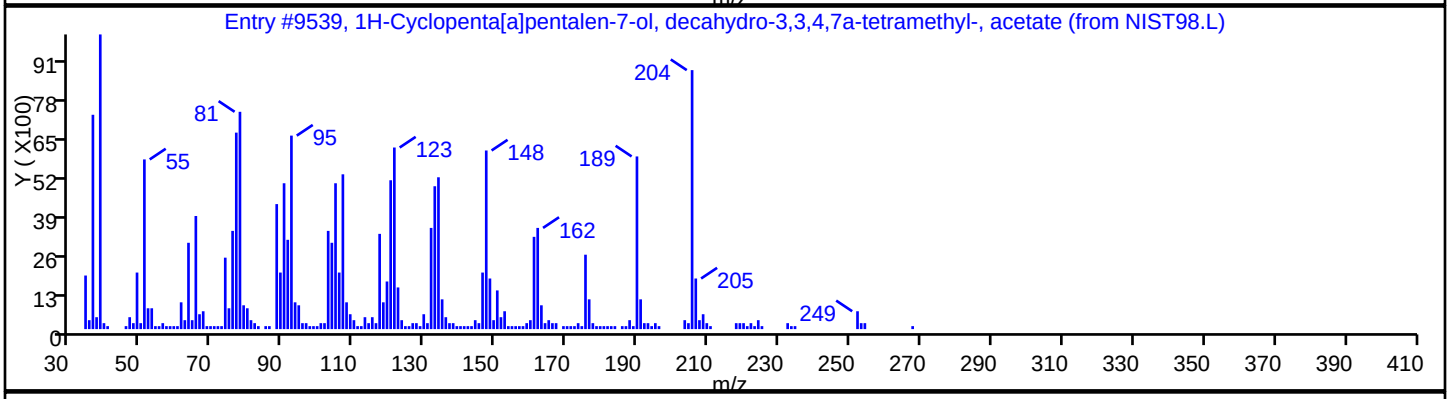
Sample Info: 360-24365-a-14-c

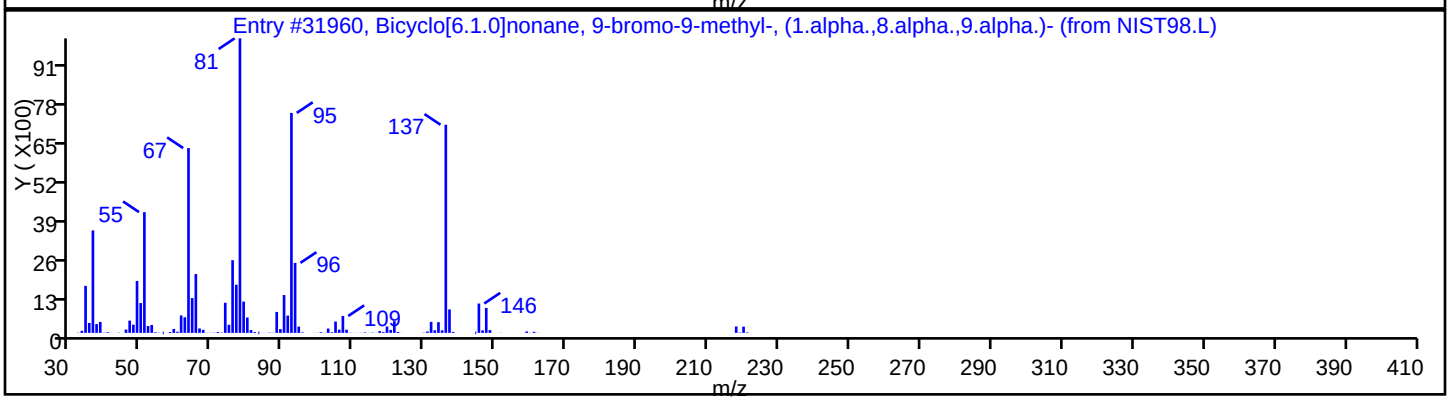
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Naphthalenepropanol, .alpha.-ethenylde	596-85-0	NIST98.L	62278	91
1H-Cyclopenta[a]pentalen-7-ol, decahydro	57984-3-9	NIST98.L	9539	53
Bicyclo[6.1.0]nonane, 9-bromo-9-methyl-,	59474-3-2	NIST98.L	31960	53









Report Date: 23-Sep-2009 12:15:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10460.D

Inj Date: 22-Sep-2009 03:17:30 Limit Group: SMS - 8270LL SVOA Calibration

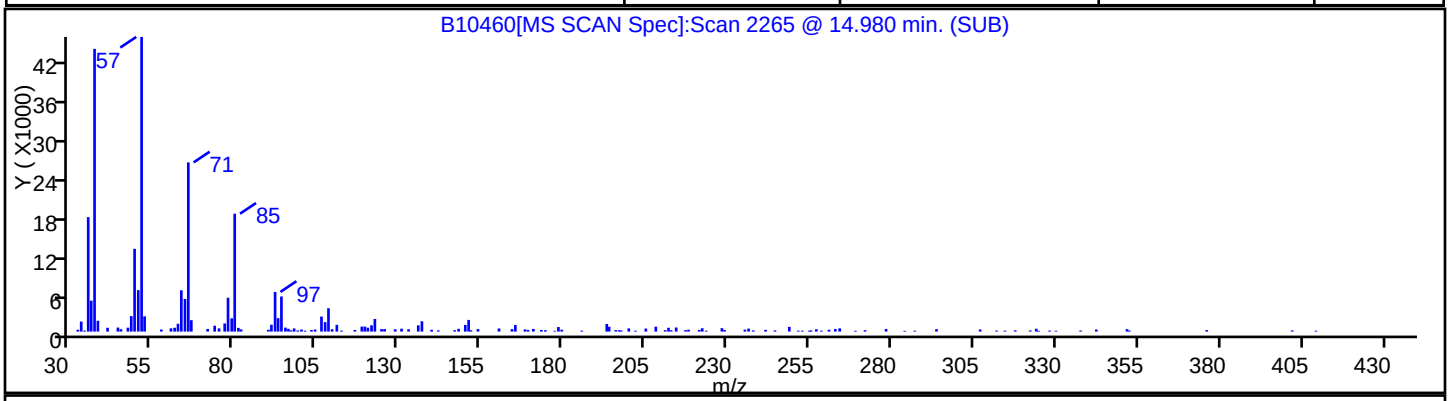
Lims Batch ID: 49266 Lims Sample ID: 23

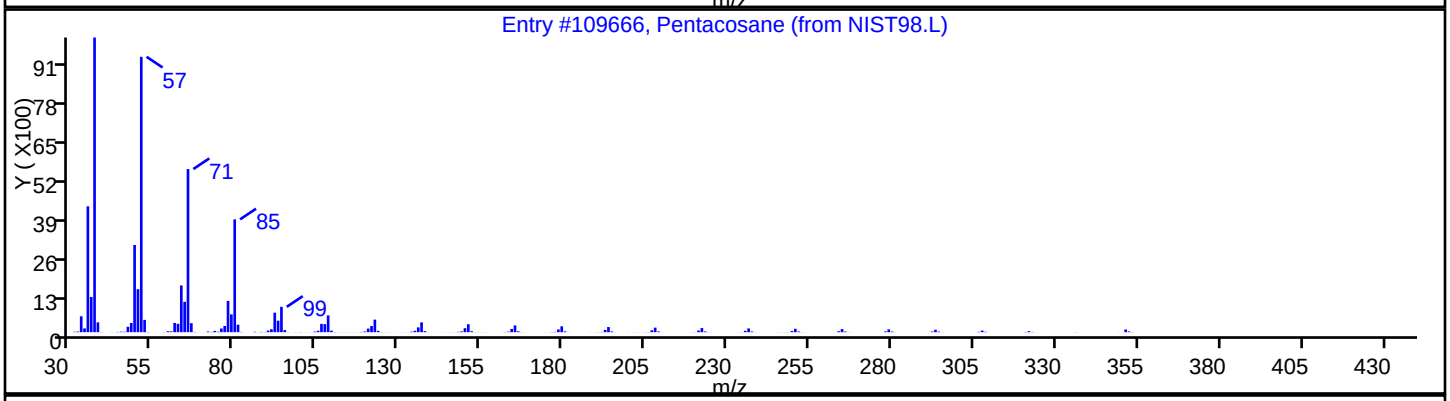
Client ID: OC-SB-458-22/24-XXX Instrument: Inst. B

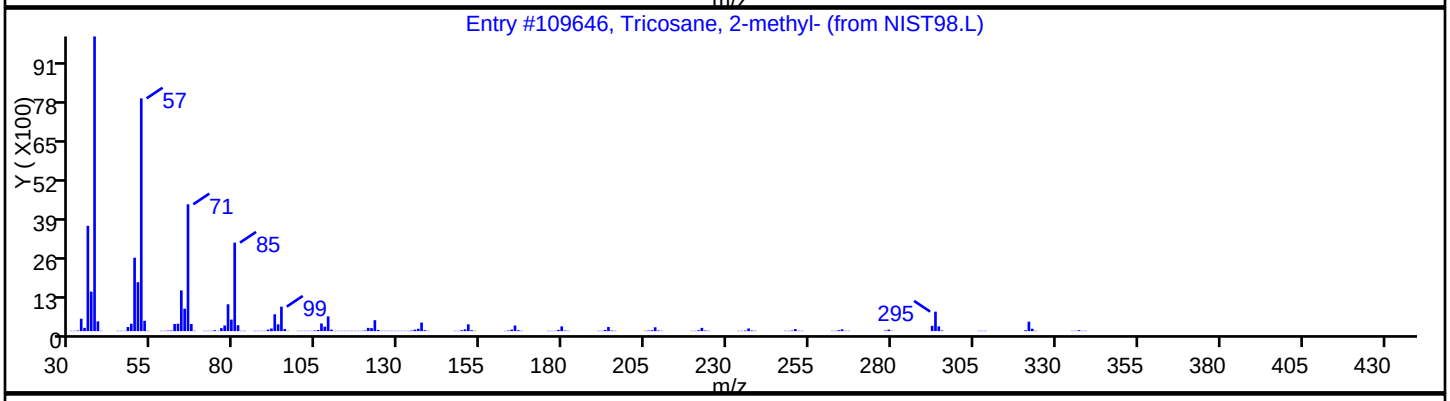
Sample Info: 360-24365-a-14-c

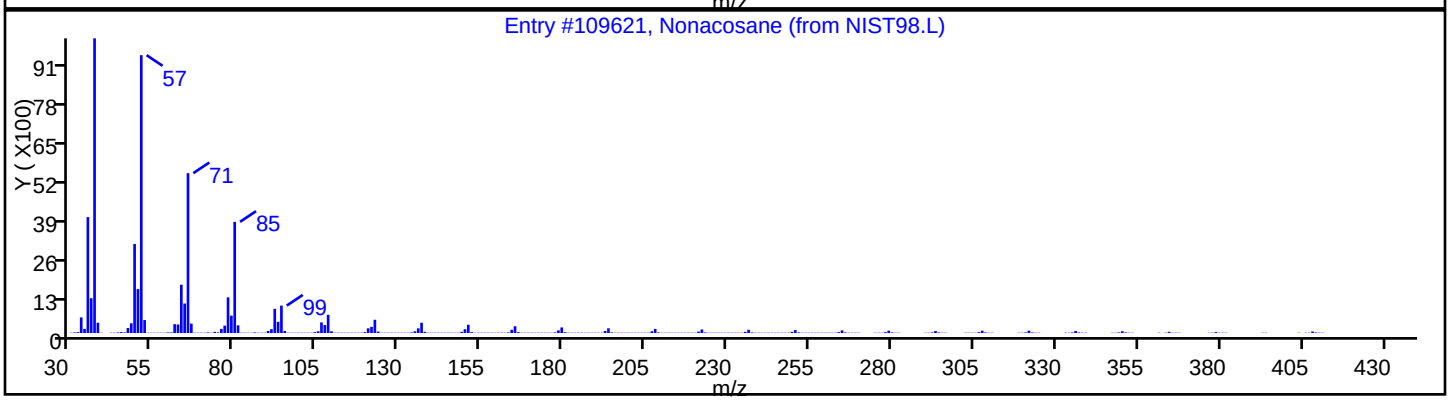
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Pentacosane	629-99-2	NIST98.L	109666	98
Tricosane, 2-methyl-	1928-30-9	NIST98.L	109646	91
Nonacosane	630-3-5	NIST98.L	109621	90









Report Date: 23-Sep-2009 12:15:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10460.D

Inj Date: 22-Sep-2009 03:17:30 Limit Group: SMS - 8270LL SVOA Calibration

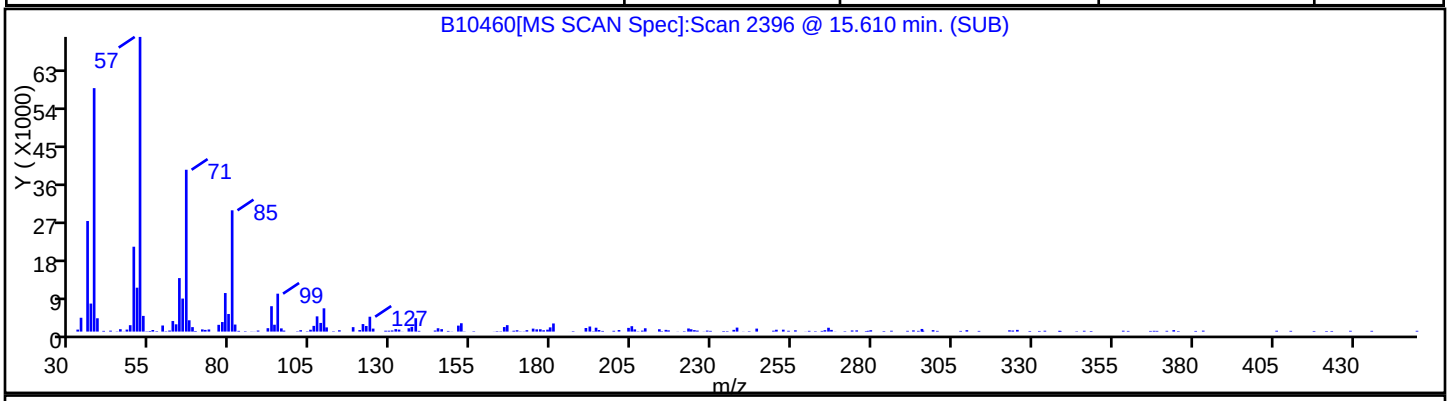
Lims Batch ID: 49266 Lims Sample ID: 23

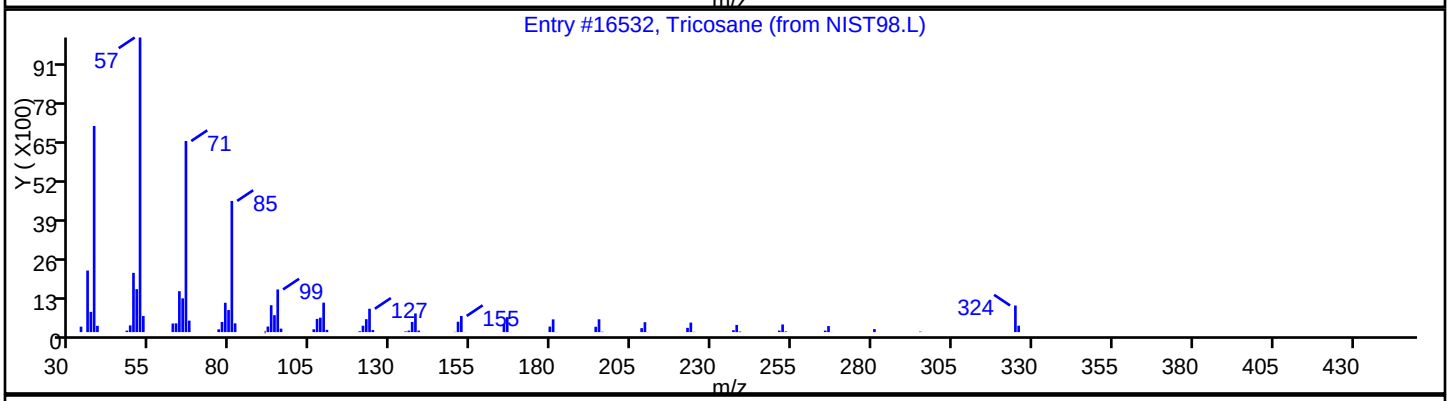
Client ID: OC-SB-458-22/24-XXX Instrument: Inst. B

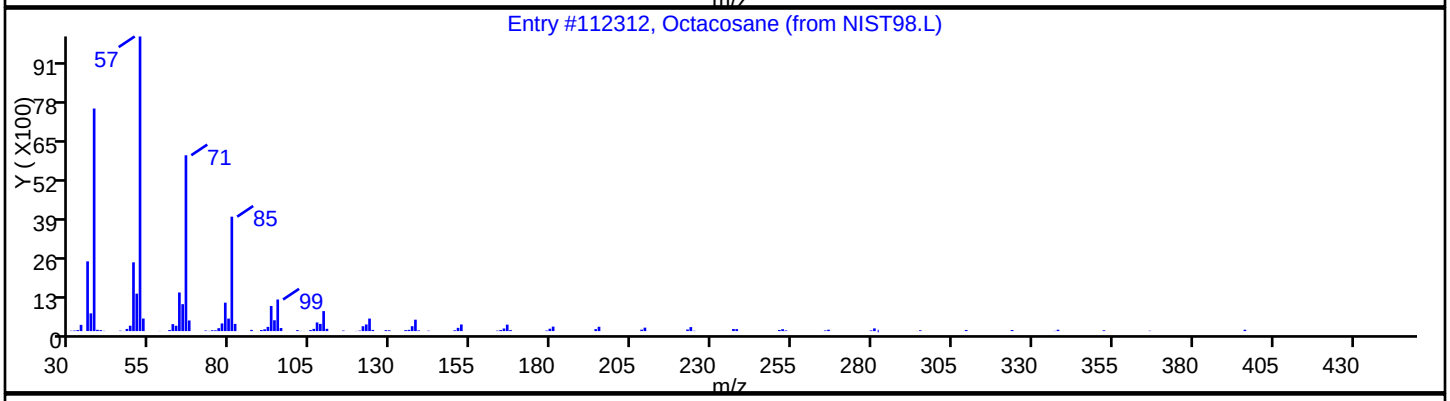
Sample Info: 360-24365-a-14-c

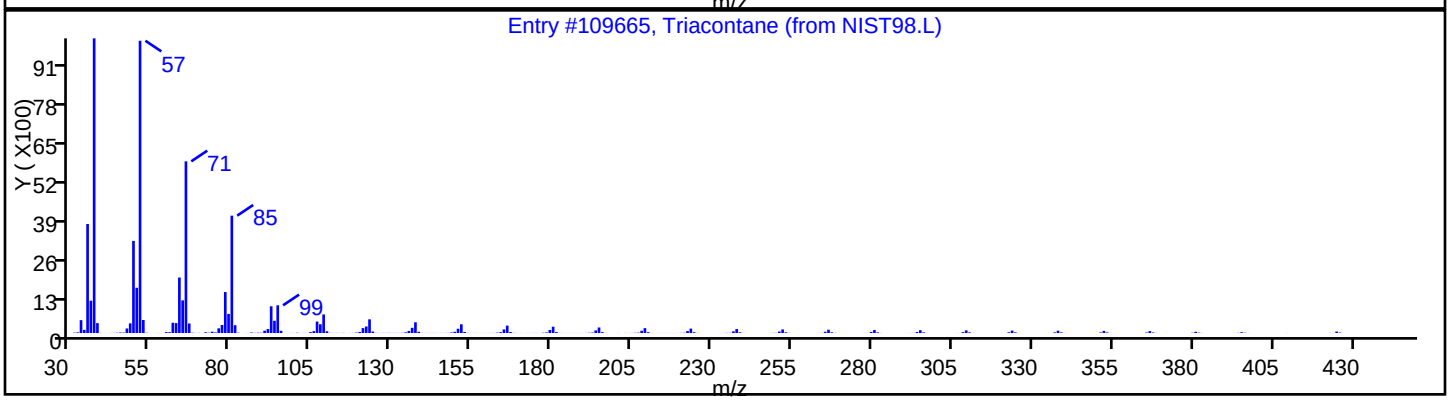
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tricosane	638-67-5	NIST98.L	16532	93
Octacosane	630-2-4	NIST98.L	112312	87
Triacontane	638-68-6	NIST98.L	109665	87









Report Date: 23-Sep-2009 12:15:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10460.D

Inj Date: 22-Sep-2009 03:17:30 Limit Group: SMS - 8270LL SVOA Calibration

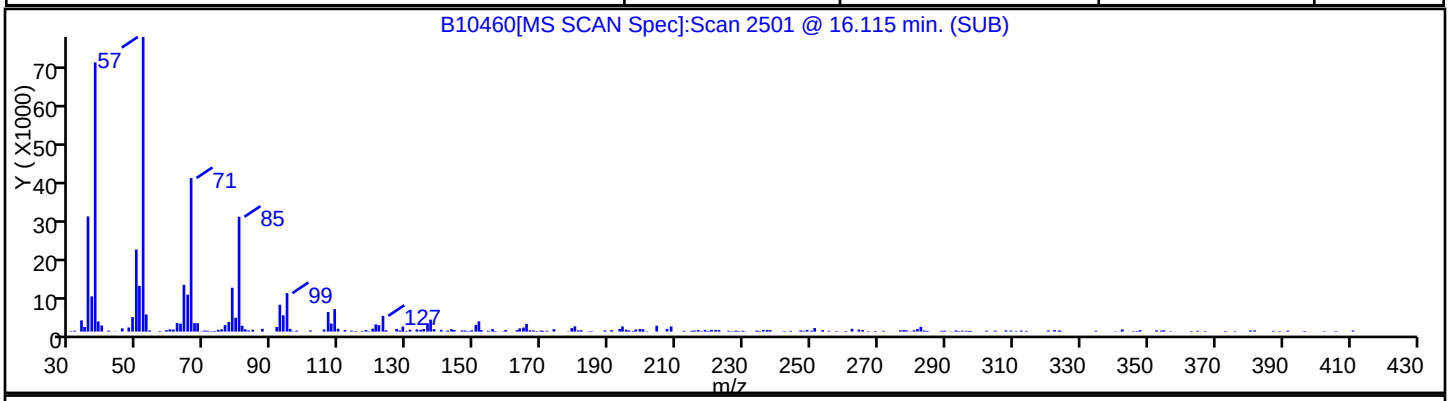
Lims Batch ID: 49266 Lims Sample ID: 23

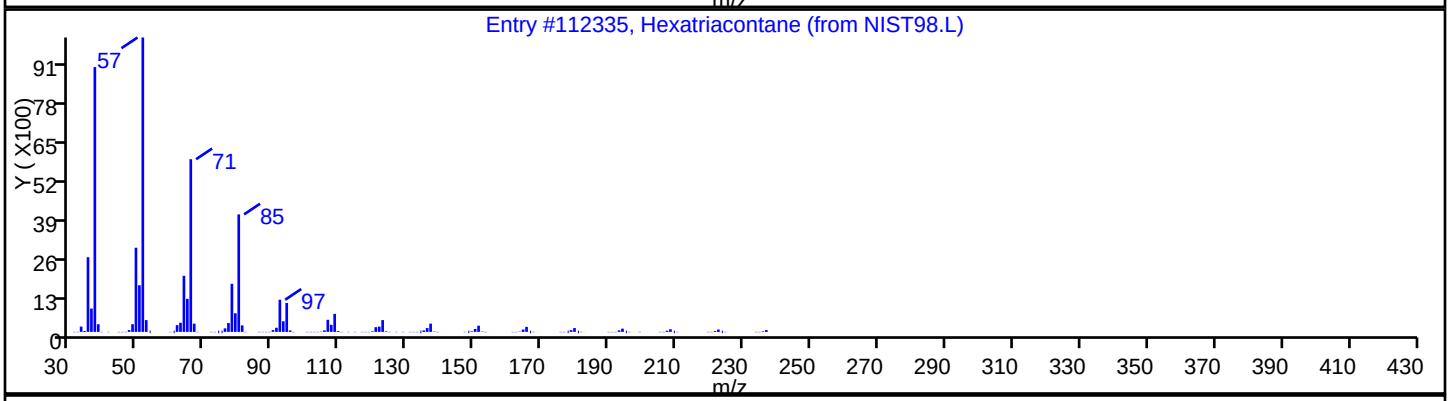
Client ID: OC-SB-458-22/24-XXX Instrument: Inst. B

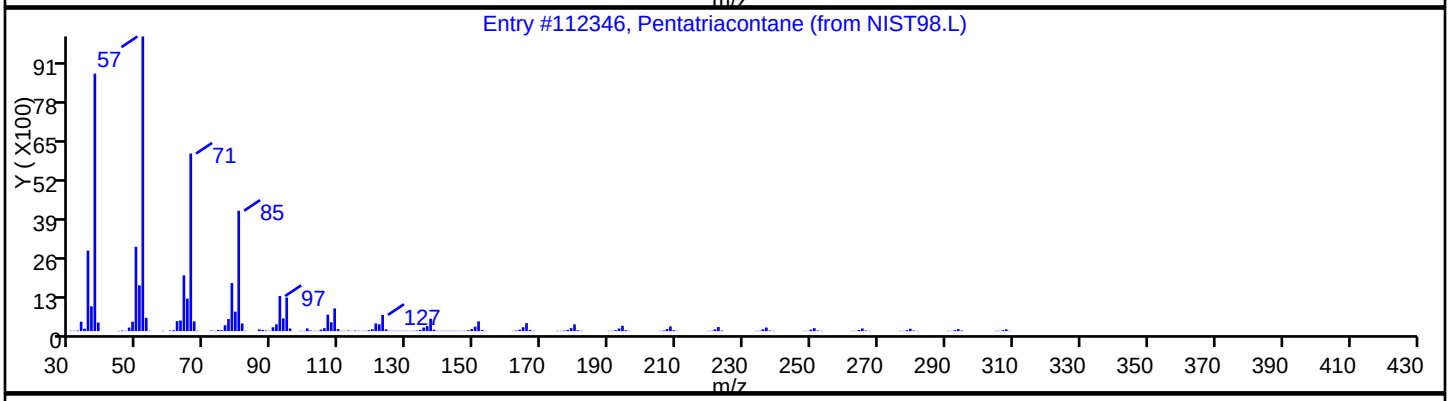
Sample Info: 360-24365-a-14-c

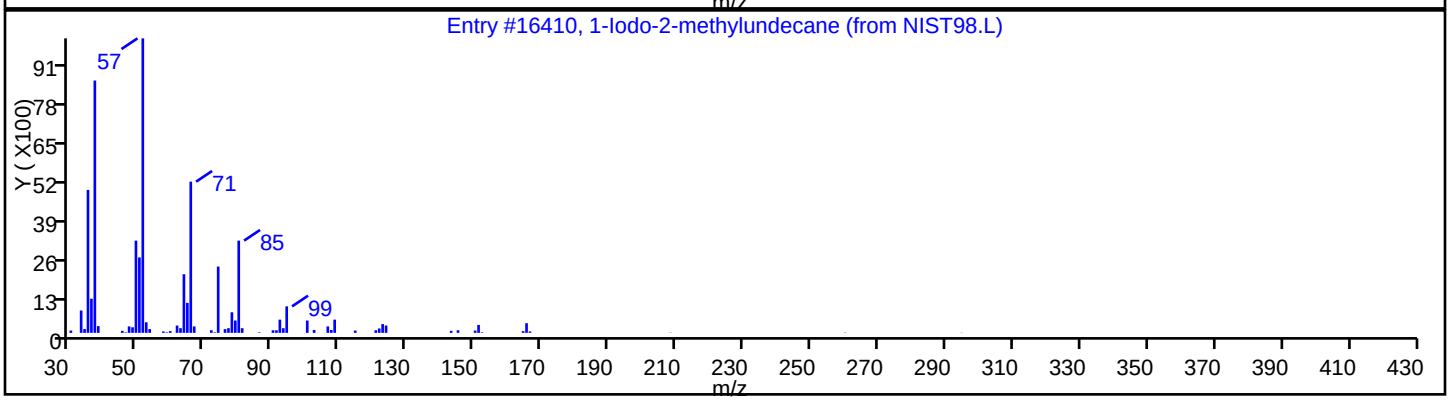
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexatriacontane	630-6-8	NIST98.L	112335	93
Pentatriacontane	630-7-9	NIST98.L	112346	93
1-Iodo-2-methylundecane	73105-67-6	NIST98.L	16410	90









Report Date: 23-Sep-2009 12:15:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10460.D

Inj Date: 22-Sep-2009 03:17:30 Limit Group: SMS - 8270LL SVOA Calibration

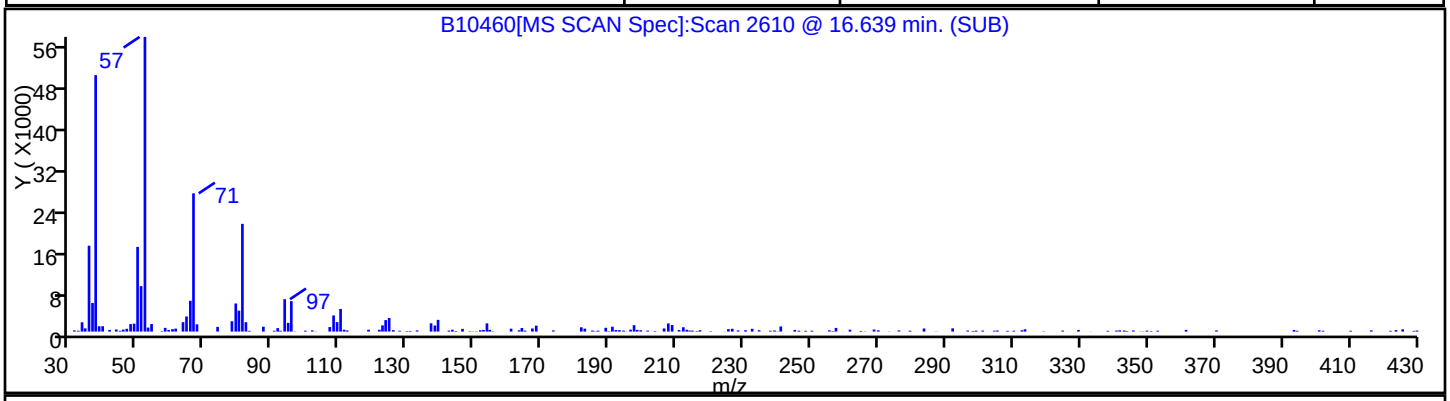
Lims Batch ID: 49266 Lims Sample ID: 23

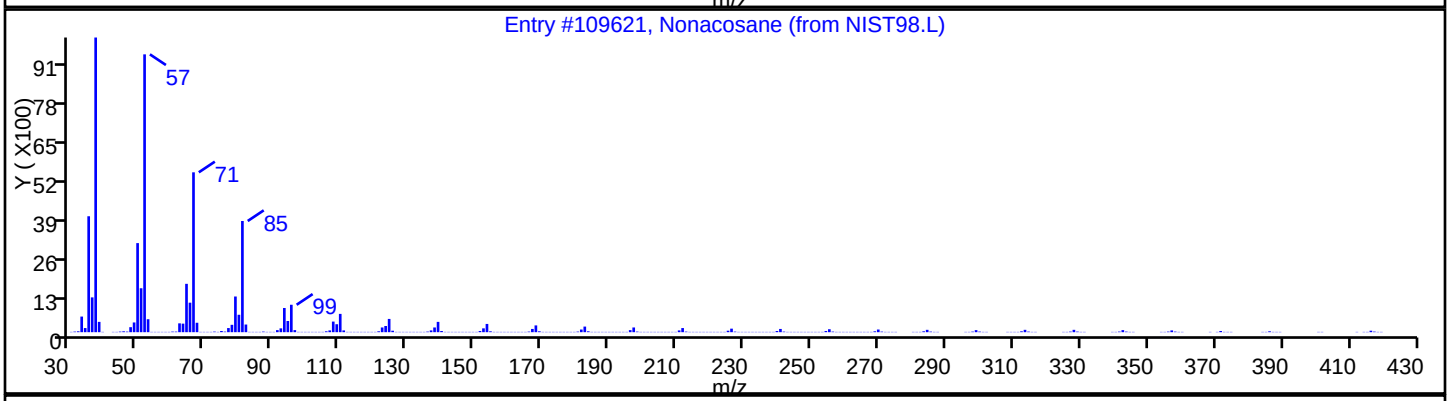
Client ID: OC-SB-458-22/24-XXX Instrument: Inst. B

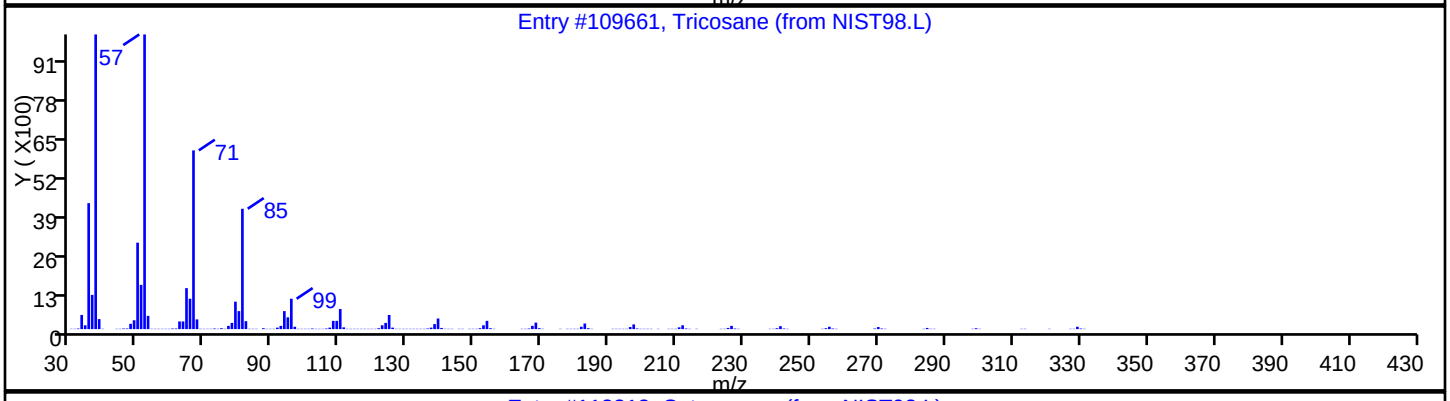
Sample Info: 360-24365-a-14-c

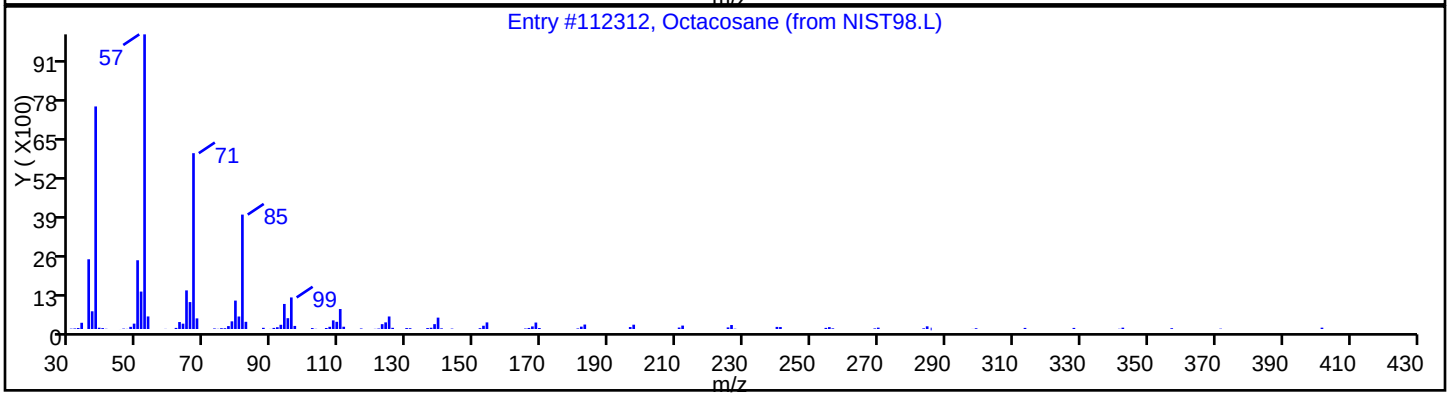
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Nonacosane	630-3-5	NIST98.L	109621	95
Tricosane	638-67-5	NIST98.L	109661	94
Octacosane	630-2-4	NIST98.L	112312	93









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: OC-SB-460-30/32-XXX | Lab Sample ID: 360-24365-17

Matrix: Solid | Lab File ID: B10463.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 10:40

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.15(g) | Date Analyzed: 09/22/2009 04:50

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

% Moisture: 9.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		37	11
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		37	11
120-82-1	1,2,4-Trichlorobenzene	ND		37	11
95-50-1	1,2-Dichlorobenzene	ND		37	11
541-73-1	1,3-Dichlorobenzene	ND		37	11
106-46-7	1,4-Dichlorobenzene	ND		37	11
90-12-0	1-Methylnaphthalene	ND		37	11
108-60-1	2,2'-oxybis[1-chloropropane]	ND		37	11
58-90-2	2,3,4,6-Tetrachlorophenol	ND		37	11
95-95-4	2,4,5-Trichlorophenol	ND		37	11
88-06-2	2,4,6-Trichlorophenol	ND		37	11
120-83-2	2,4-Dichlorophenol	ND		37	11
105-67-9	2,4-Dimethylphenol	ND		37	14
51-28-5	2,4-Dinitrophenol	ND		37	11
121-14-2	2,4-Dinitrotoluene	ND		37	11
606-20-2	2,6-Dinitrotoluene	ND		37	11
91-58-7	2-Chloronaphthalene	ND		37	11
95-57-8	2-Chlorophenol	ND		37	11
91-57-6	2-Methylnaphthalene	ND		37	11
95-48-7	2-Methylphenol	ND		37	22
88-74-4	2-Nitroaniline	ND		180	11
88-75-5	2-Nitrophenol	ND		37	11
15831-10-4	3 & 4 Methylphenol	ND		37	11
91-94-1	3,3'-Dichlorobenzidine	ND		73	11
99-09-2	3-Nitroaniline	ND		180	11
534-52-1	4,6-Dinitro-2-methylphenol	ND		180	11
101-55-3	4-Bromophenyl phenyl ether	ND		37	11
59-50-7	4-Chloro-3-methylphenol	ND		73	11
106-47-8	4-Chloroaniline	ND		73	11
7005-72-3	4-Chlorophenyl phenyl ether	ND		37	11
100-01-6	4-Nitroaniline	ND		180	11
100-02-7	4-Nitrophenol	ND		180	11
83-32-9	Acenaphthene	ND		37	11
208-96-8	Acenaphthylene	ND		37	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: OC-SB-460-30/32-XXX | Lab Sample ID: 360-24365-17

Matrix: Solid | Lab File ID: B10463.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 10:40

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.15(g) | Date Analyzed: 09/22/2009 04:50

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

% Moisture: 9.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		37	11
62-53-3	Aniline	ND	*	37	11
120-12-7	Anthracene	ND		37	11
1912-24-9	Atrazine	ND		37	11
103-33-3	Azobenzene	ND		37	11
100-52-7	Benzaldehyde	ND		37	11
56-55-3	Benzo[a]anthracene	ND		37	11
50-32-8	Benzo[a]pyrene	ND		37	11
205-99-2	Benzo[b]fluoranthene	ND		37	11
191-24-2	Benzo[g,h,i]perylene	ND		37	11
207-08-9	Benzo[k]fluoranthene	ND		37	11
65-85-0	Benzoic acid	ND		180	17
119-61-9	Benzophenone	ND		37	11
100-51-6	Benzyl alcohol	ND		73	31
111-91-1	Bis(2-chloroethoxy)methane	ND		37	11
111-44-4	Bis(2-chloroethyl)ether	ND		37	11
117-81-7	Bis(2-ethylhexyl) phthalate	22	J	37	11
85-68-7	Butyl benzyl phthalate	ND		37	11
105-60-2	Caprolactam	ND		37	11
86-74-8	Carbazole	ND		37	11
218-01-9	Chrysene	ND		37	11
53-70-3	Dibenz(a,h)anthracene	ND		37	11
132-64-9	Dibenzofuran	ND		37	11
84-66-2	Diethyl phthalate	ND		37	11
131-11-3	Dimethyl phthalate	ND		37	11
84-74-2	Di-n-butyl phthalate	ND		37	32
117-84-0	Di-n-octyl phthalate	ND		37	18
101-84-8	Diphenyl oxide	17	J	37	11
206-44-0	Fluoranthene	ND		37	11
86-73-7	Fluorene	ND		37	11
118-74-1	Hexachlorobenzene	ND		37	11
87-68-3	Hexachlorobutadiene	ND		37	11
77-47-4	Hexachlorocyclopentadiene	ND		73	11
67-72-1	Hexachloroethane	ND		37	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: OC-SB-460-30/32-XXX | Lab Sample ID: 360-24365-17

Matrix: Solid | Lab File ID: B10463.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 10:40

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.15(g) | Date Analyzed: 09/22/2009 04:50

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

% Moisture: 9.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	ND		37	11
78-59-1	Isophorone	ND		37	11
91-20-3	Naphthalene	ND		88	11
98-95-3	Nitrobenzene	ND		37	11
62-75-9	N-Nitrosodimethylamine	ND		37	13
621-64-7	N-Nitrosodi-n-propylamine	ND		37	11
86-30-6	N-Nitrosodiphenylamine	ND		37	11
87-86-5	Pentachlorophenol	ND		37	11
85-01-8	Phenanthrene	ND		44	11
108-95-2	Phenol	ND		37	11
129-00-0	Pyrene	ND		37	11

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	53	30-130	
321-60-8	2-Fluorobiphenyl	56	30-130	
367-12-4	2-Fluorophenol	68	30-130	
4165-60-0	Nitrobenzene-d5	65	30-130	
4165-62-2	Phenol-d5	69	30-130	
1718-51-0	Terphenyl-d14	62	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: OC-SB-460-30/32-XXX | Lab Sample ID: 360-24365-17

Matrix: Solid | Lab File ID: B10463.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 10:40

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.15(g) | Date Analyzed: 09/22/2009 04:50

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

% Moisture: 9.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 | Units: ug/Kg

Number TICs Found: 9 | TIC Result Total: 260

CAS NO.	COMPOUND NAME	RT	RESULT	Q
59242-27-2	Furan, 2,5-dihydro-2,5-dimethyl-	5.81	13	T J N
288-88-0	1H-1,2,4-Triazole	7.37	74	T J N
128-37-0	Butylated Hydroxytoluene	10.48	20	T J N
615-22-5	Benzothiazole, 2-(methylthio)-	11.07	32	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	11.43	23	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	11.85	16	T J N
112-39-0	Hexadecanoic acid, methyl ester	12.02	11	T J N
112-61-8	Octadecanoic acid, methyl ester	12.81	55	T J N
593-45-3	Octadecane	15.61	16	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10463.D		
Lims ID:	360-24365-A-17-B	Client ID:	OC-SB-460-30/32-XXX
Inject. Date:	22-Sep-2009 04:50:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24365-a-17-b		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	26
Lims Batch ID:	49266	Lims Sample ID:	26
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	23-Sep-2009 12:46:29	Calib Date:	21-Sep-2009 19:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 12:46:29

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.903	7.900	0.003	448106	2.00	
* 2 Naphthalene-d8	136	9.033	9.030	0.003	1078570	2.00	
* 3 Acenaphthene-d10	164	10.533	10.535	-0.002	545232	2.00	
* 4 Phenanthrene-d10	188	11.803	11.800	0.003	938371	2.00	
* 5 Chrysene-d12	240	15.400	15.397	0.003	535715	2.00	
* 6 Perylene-d12	264	17.843	17.840	0.003	318713	2.00	
$ 7 2-Fluorophenol	112	6.662	6.630	0.032	851759	6.75	
$ 8 Phenol-d5	99	7.542	7.520	0.022	997405	6.87	
$ 9 Nitrobenzene-d5	82	8.393	8.390	0.003	446614	3.23	
$ 10 2-Fluorobiphenyl	172	9.927	9.924	0.003	1011216	2.81	
$ 11 2,4,6-Tribromophenol	330	11.202	11.204	-0.002	180570	5.29	
$ 12 Terphenyl-d14	244	13.428	13.425	0.003	785365	3.08	
30 Acetophenone	105	8.249	8.246	0.003	21022	0.1213	
52 1,1'-Biphenyl	154	10.019	10.021	-0.002	6755	0.0177	
54 Phenyl ether	170	10.101	10.102	-0.002	79409	0.4557	
66 Diethyl phthalate	149	10.822	10.824	-0.002	4283	0.0124	
67 4-Chlorophenyl phenyl ether	204	10.966	10.963	0.003	13501	0.0874	
80 Phenanthrene	178	11.822	11.824	-0.002	9729	0.0200	
84 Di-n-butyl phthalate	149	12.207	12.204	0.003	68970	0.1204	
85 Pyrene	202	13.313	13.305	0.008	4684	0.0108	
89 Butyl benzyl phthalate	149	14.140	14.142	-0.002	4294	0.0238	
92 Bis(2-ethylhexyl) phthalate	149	15.284	15.281	0.003	141374	0.5993	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10463.D		
Lims ID:	360-24365-A-17-B	Client ID:	OC-SB-460-30/32-XXX
Inject. Date:	22-Sep-2009 04:50:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24365-a-17-b		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	26
Lims Batch ID:	49266	Lims Sample ID:	26
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	23-Sep-2009 12:46:29	Calib Date:	21-Sep-2009 19:31:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 12:46:29

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Pentachloronitrobenzene	11.620	65	0.0843	
Pyridine	4.941	1201	0.0120	
Alpha-Terpineol	8.942	137510	1.22	
Benzidine	13.101	378	0.1931	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
59242-27-2 Furan, 2,5-dihydro-2,5-dimethyl-						
5.806	347045	0.3587	1	86	32804	
288-88-0 1H-1,2,4-Triazole						
7.369	1948050	2.01	1	86	114182	
128-37-0 Butylated Hydroxytoluene						
10.476	684483	0.5562	3	93	126413	
615-22-5 Benzothiazole, 2-(methylthio)-						
11.067	1066677	0.8667	3	99	125385	
3910-35-8 1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3						
11.433	796204	0.6138	4	91	126945	
22768-22-5 2,4-Diphenyl-4-methyl-2(E)-pentene						
11.846	560982	0.4324	4	91	64461	
112-39-0 Hexadecanoic acid, methyl ester						
12.024	387283	0.2985	4	93	115417	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
112-61-8 Octadecanoic acid, methyl ester						
12.808	1958107	1.51	4	95	115469	
593-45-3 Octadecane						
15.607	328880	0.4285	5	96	112329	

Quantitation Compounds

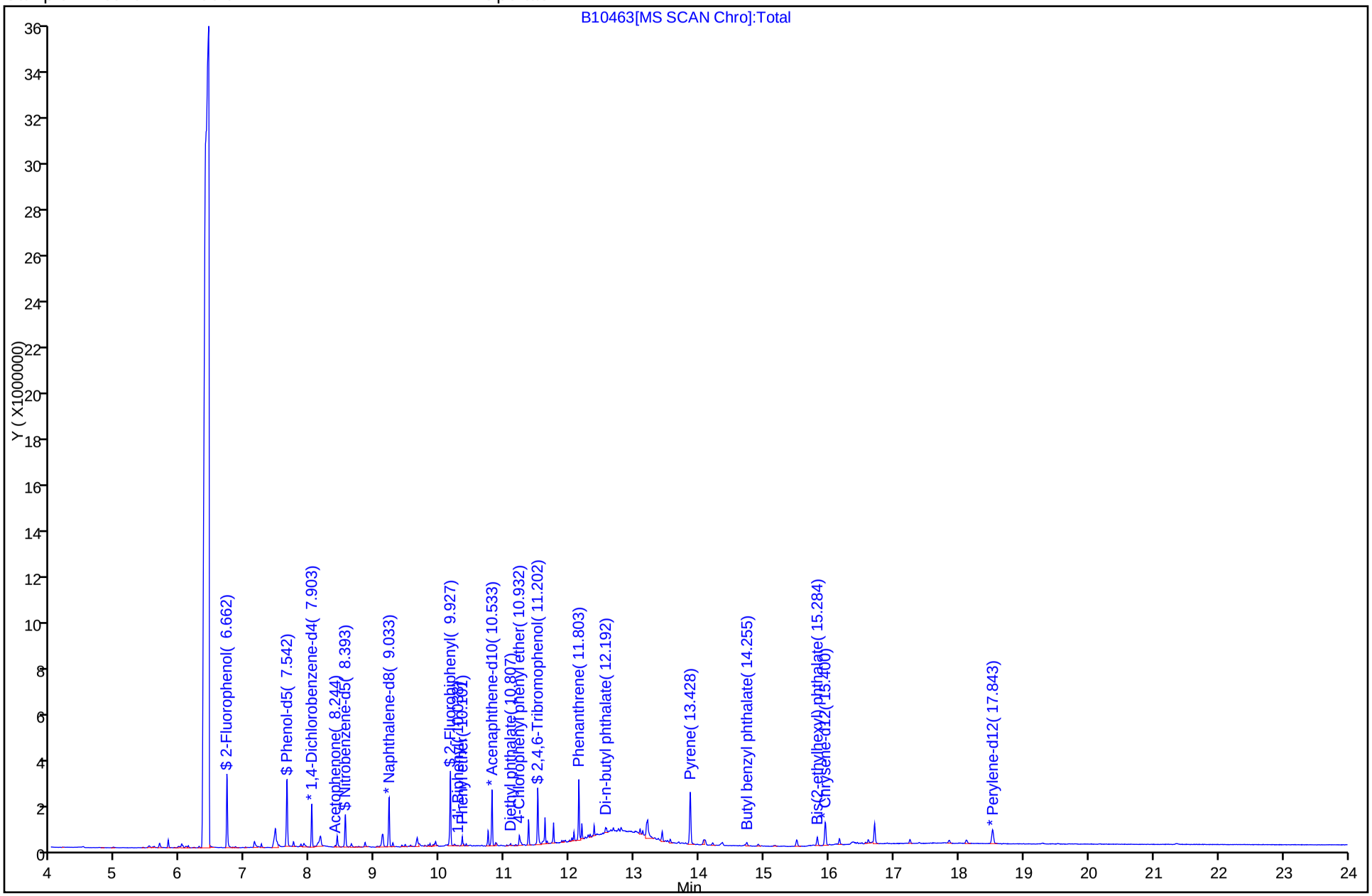
Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	7.903	1935018	2.00
* 3 Acenaphthene-d10	10.533	2461402	2.00
* 4 Phenanthrene-d10	11.803	2594497	2.00
* 5 Chrysene-d12	15.400	1534877	2.00

QC Flag Legend

Processing Flags

Report Date: 23-Sep-2009 12:46:30 Chrom Revision: 1.1 20-Sep-2009 21:03:36

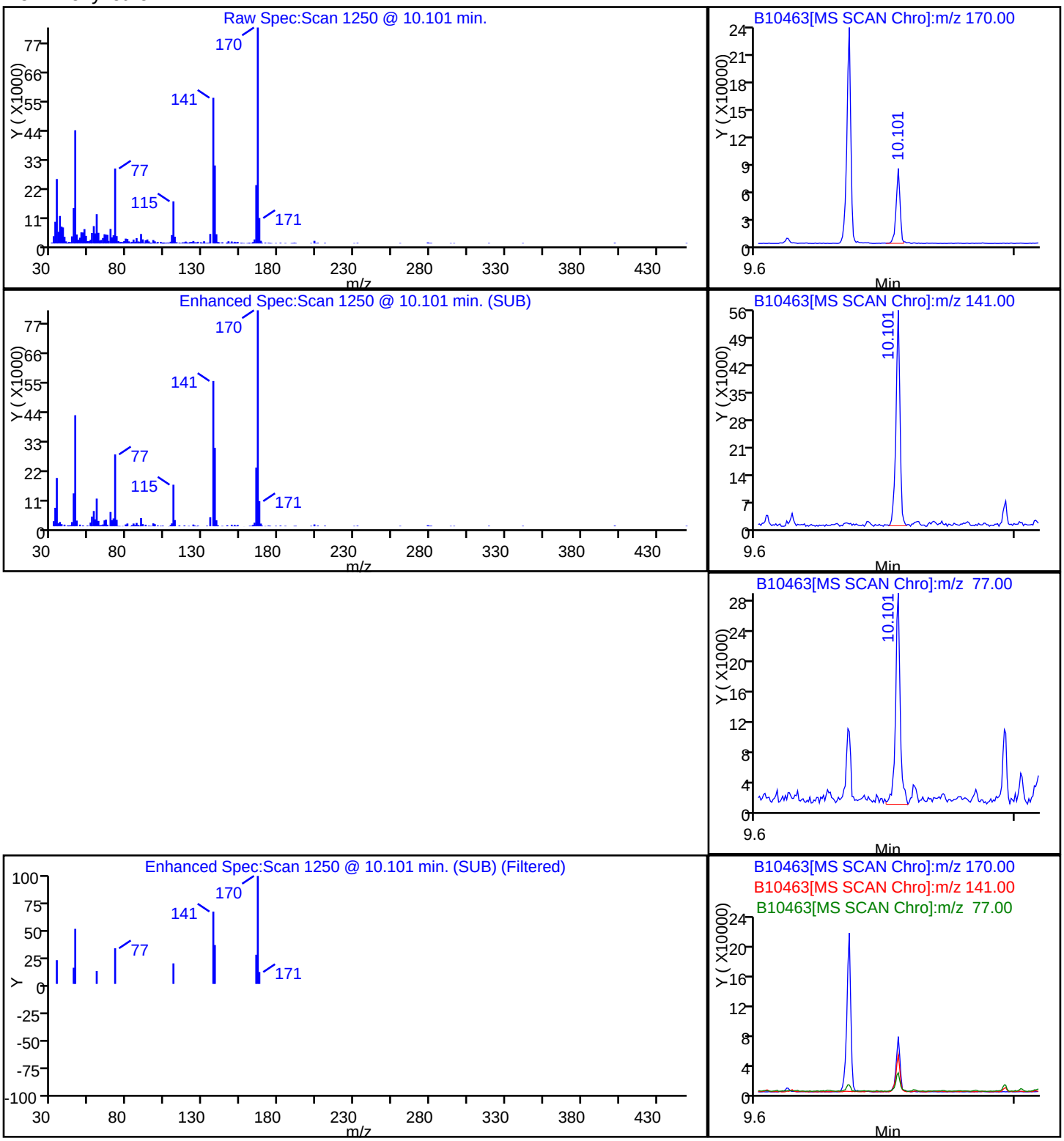
Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10463.D		
Inj Date:	22-Sep-2009 04:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	26
Client ID:	OC-SB-460-30/32-XXX	Instrument:	Inst. B
Sample Info:	360-24365-a-17-b		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 23-Sep-2009 12:46:31 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10463.D		
Inj Date:	22-Sep-2009 04:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	26
Client ID:	OC-SB-460-30/32-XXX	Instrument:	Inst. B
Sample Info:	360-24365-a-17-b		
Sample Amount:	1.00 ul	Operator:	MZ

54 Phenyl ether



Report Date: 23-Sep-2009 12:46:33 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10463.D

Inj Date: 22-Sep-2009 04:50:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49266 Lims Sample ID: 26

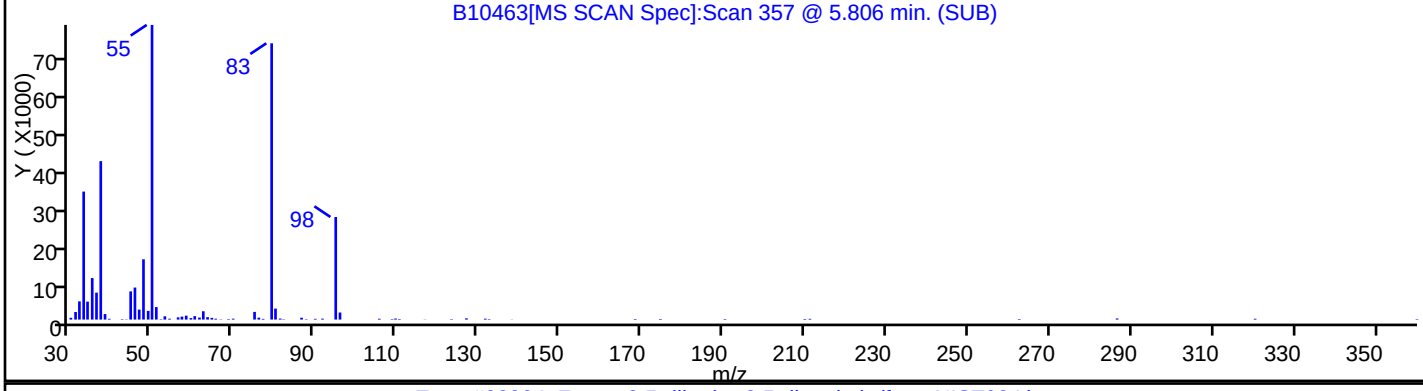
Client ID: OC-SB-460-30/32-XXX Instrument: Inst. B

Sample Info: 360-24365-a-17-b

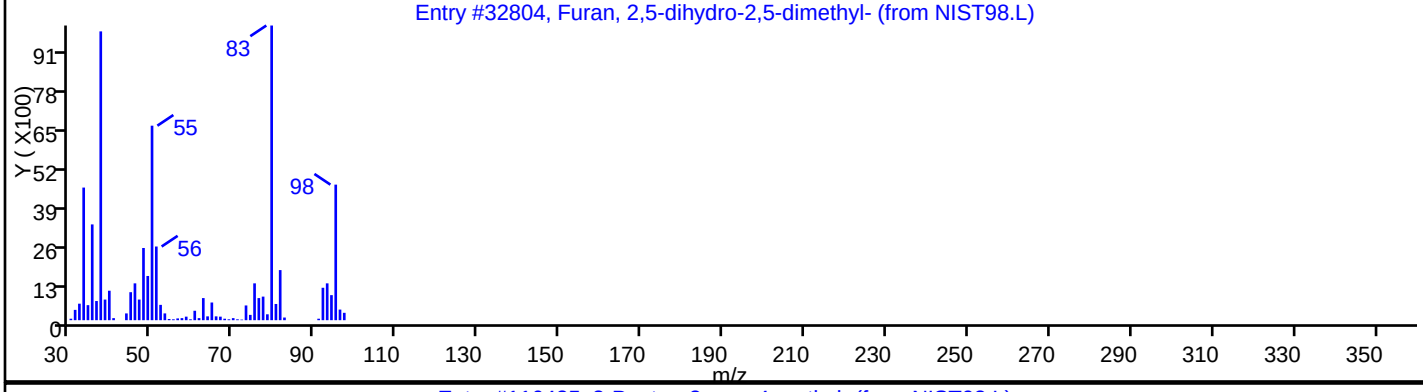
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Furan, 2,5-dihydro-2,5-dimethyl-	59242-27-2	NIST98.L	32804	86
3-Penten-2-one, 4-methyl-	141-79-7	NIST98.L	116425	62
2-Pentene, 2,3-dimethyl-	10574-37-5	NIST98.L	32863	59

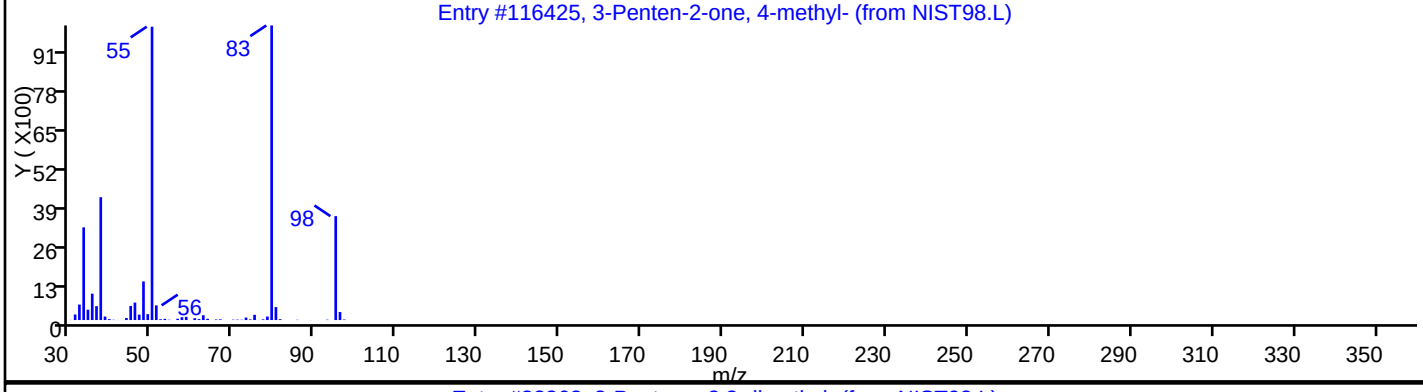
B10463[MS SCAN Spec]:Scan 357 @ 5.806 min. (SUB)



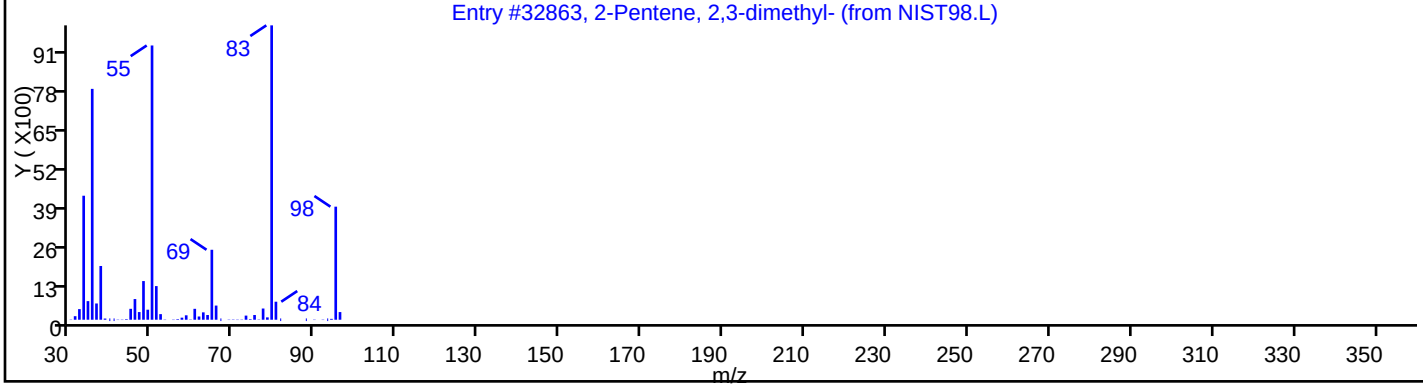
Entry #32804, Furan, 2,5-dihydro-2,5-dimethyl- (from NIST98.L)



Entry #116425, 3-Penten-2-one, 4-methyl- (from NIST98.L)



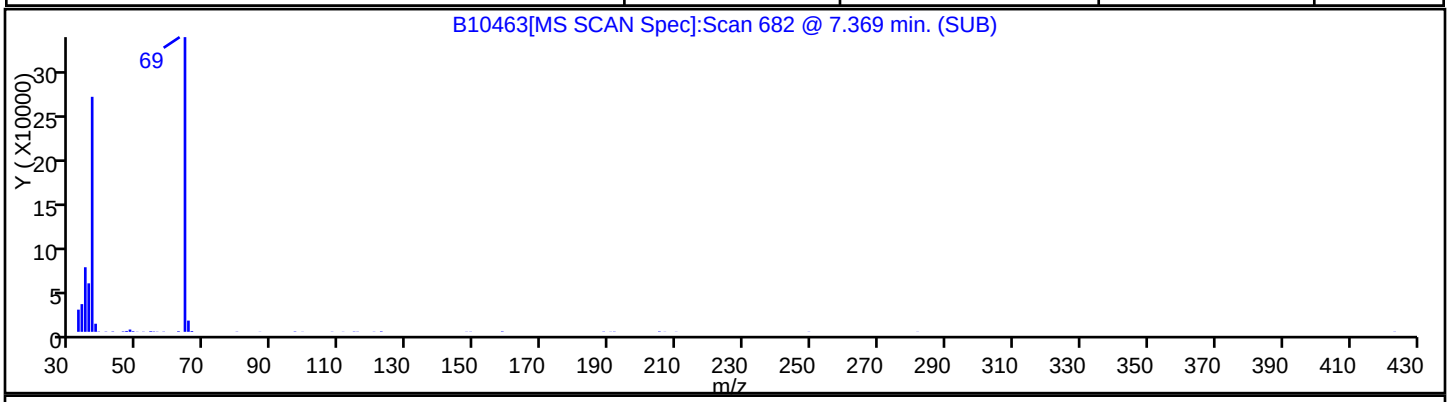
Entry #32863, 2-Pentene, 2,3-dimethyl- (from NIST98.L)

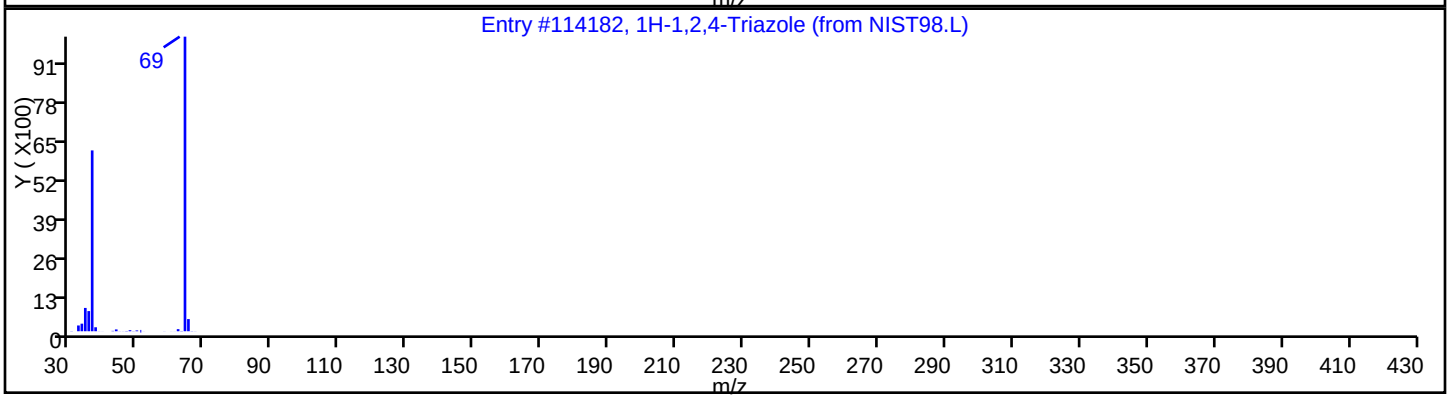


Report Date: 23-Sep-2009 12:46:33 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10463.D		
Inj Date:	22-Sep-2009 04:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	26
Client ID:	OC-SB-460-30/32-XXX	Instrument:	Inst. B
Sample Info:	360-24365-a-17-b		
Sample Amount:	1.00 ul	Operator:	MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1H-1,2,4-Triazole	288-88-0	NIST98.L	114182	86





Report Date: 23-Sep-2009 12:46:33 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10463.D

Inj Date: 22-Sep-2009 04:50:30 Limit Group: SMS - 8270LL SVOA Calibration

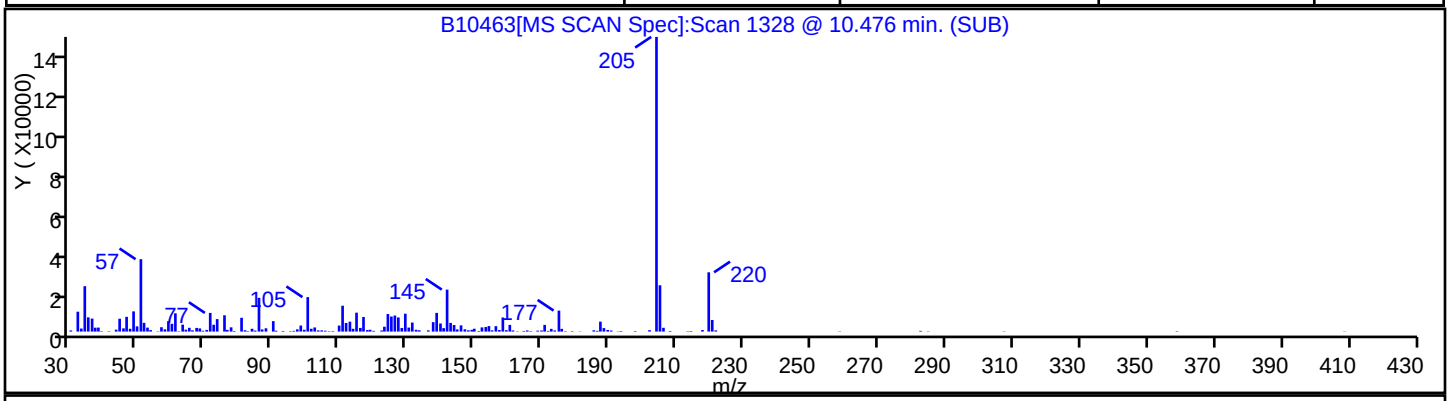
Lims Batch ID: 49266 Lims Sample ID: 26

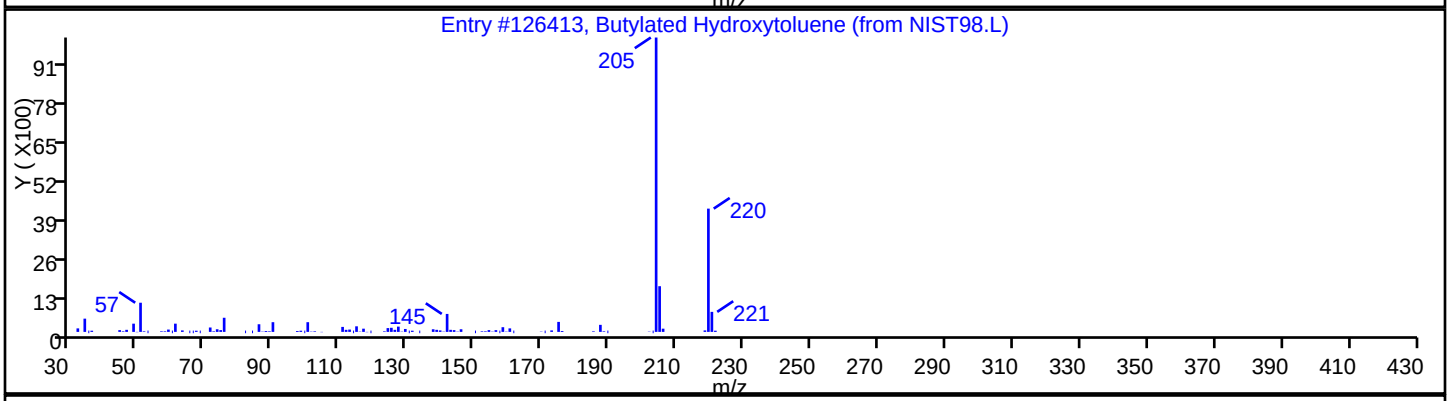
Client ID: OC-SB-460-30/32-XXX Instrument: Inst. B

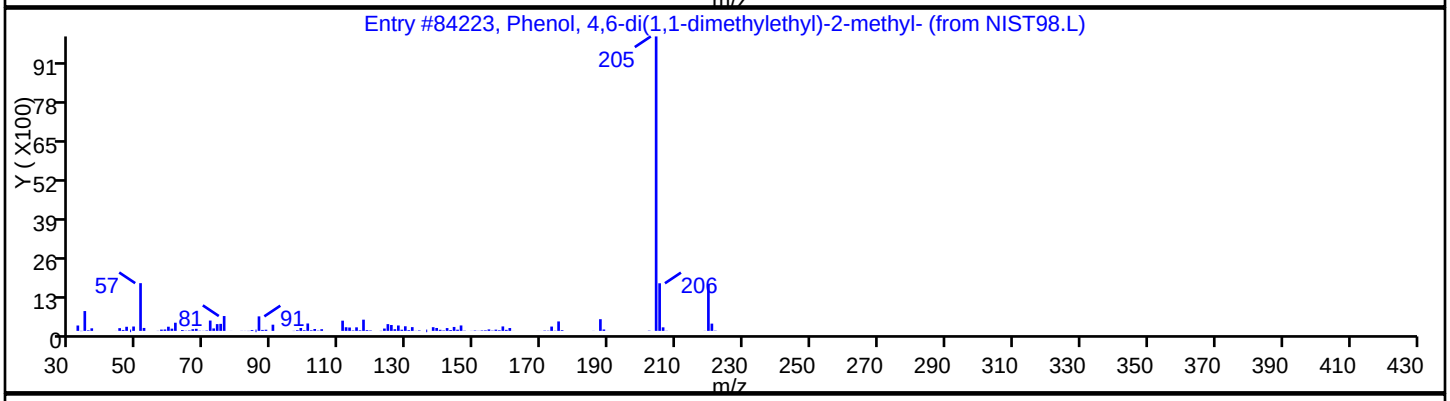
Sample Info: 360-24365-a-17-b

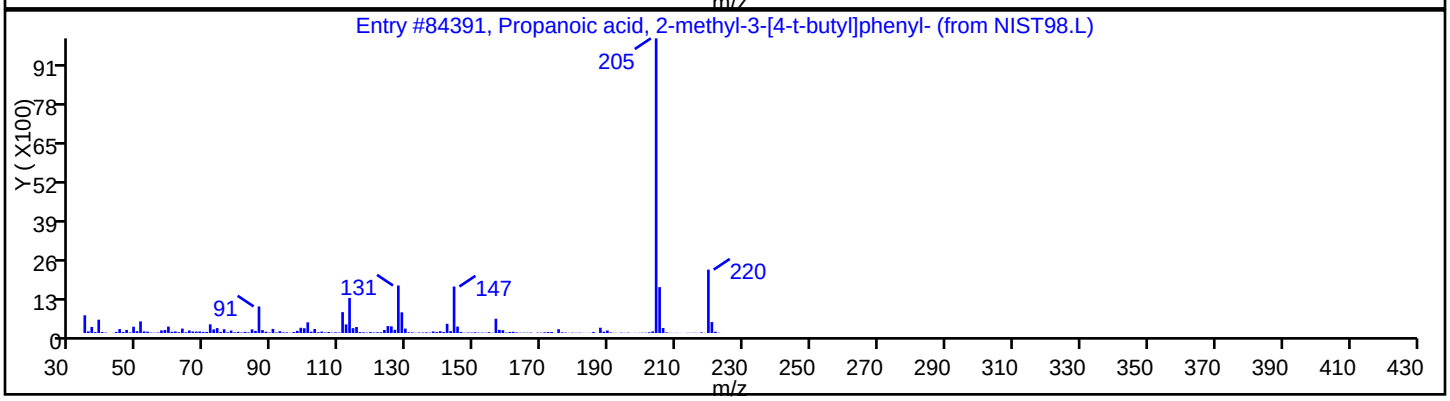
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Butylated Hydroxytoluene	128-37-0	NIST98.L	126413	93
Phenol, 4,6-di(1,1-dimethylethyl)-2-meth	616-55-7	NIST98.L	84223	87
Propanoic acid, 2-methyl-3-[4-t-butyl]ph	1000131-87-0	NIST98.L	84391	72









Report Date: 23-Sep-2009 12:46:33 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10463.D

Inj Date: 22-Sep-2009 04:50:30 Limit Group: SMS - 8270LL SVOA Calibration

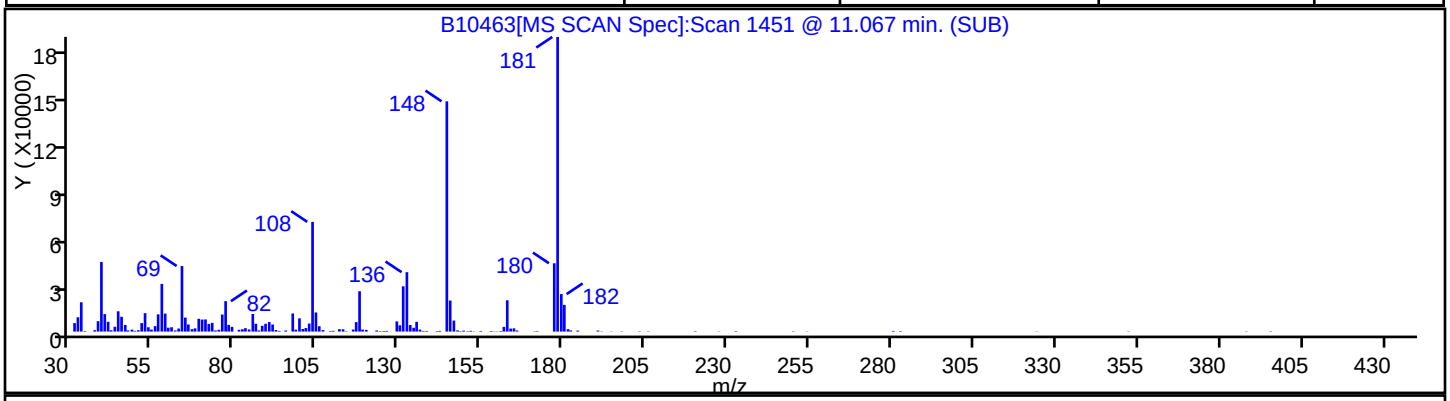
Lims Batch ID: 49266 Lims Sample ID: 26

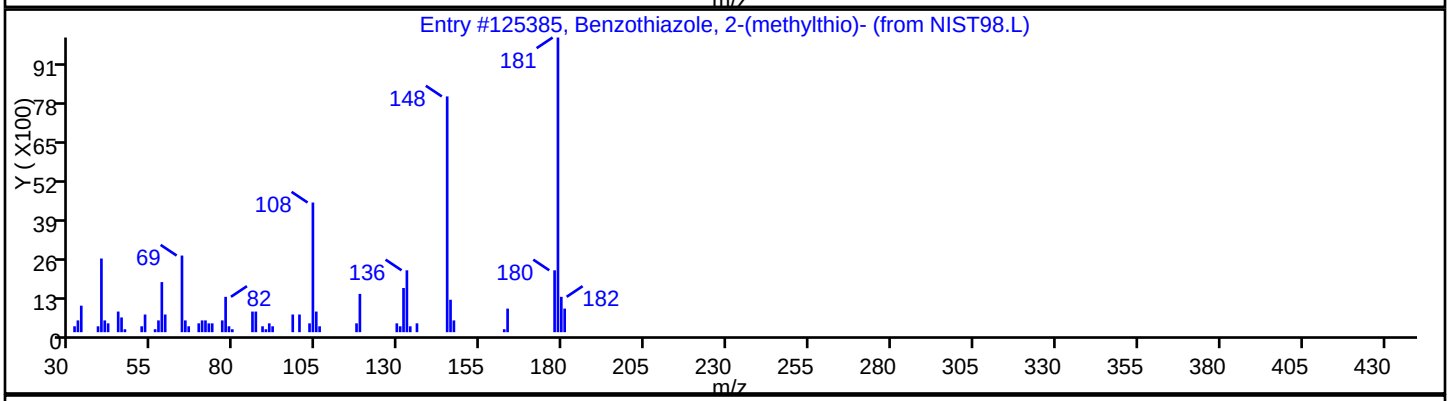
Client ID: OC-SB-460-30/32-XXX Instrument: Inst. B

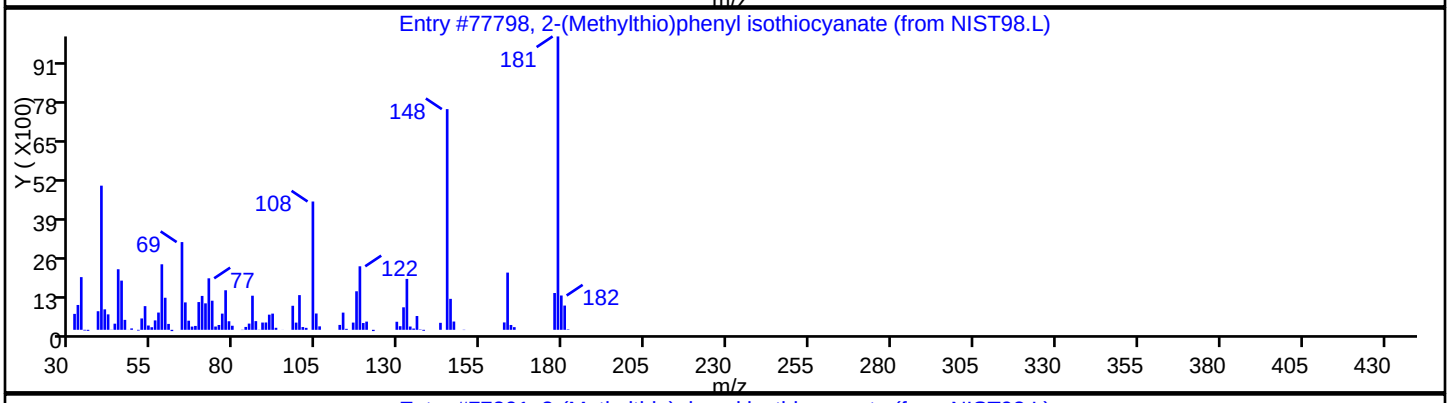
Sample Info: 360-24365-a-17-b

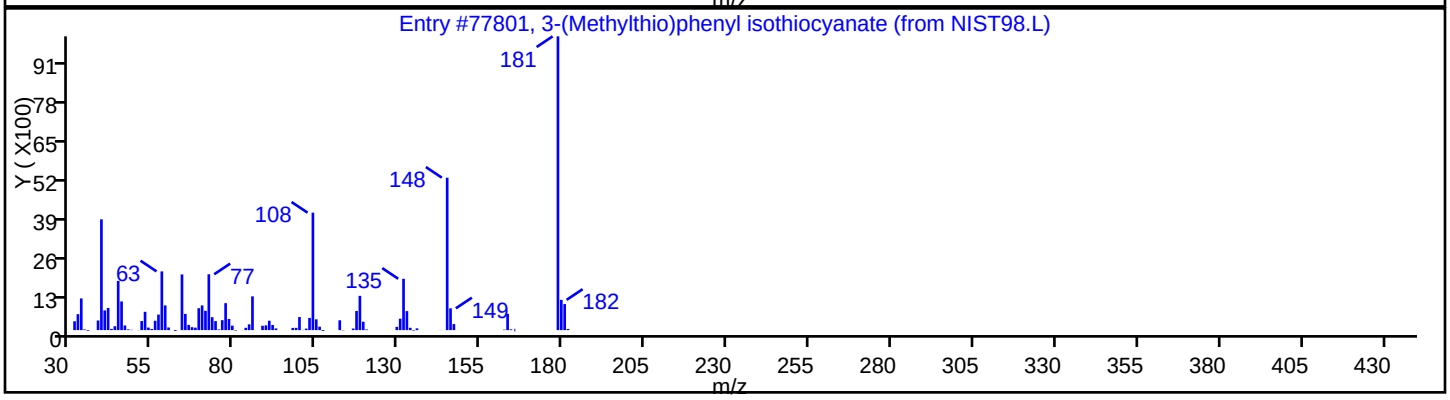
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzothiazole, 2-(methylthio)-	615-22-5	NIST98.L	125385	99
2-(Methylthio)phenyl isothiocyanate	51333-75-6	NIST98.L	77798	87
3-(Methylthio)phenyl isothiocyanate	51333-80-3	NIST98.L	77801	58





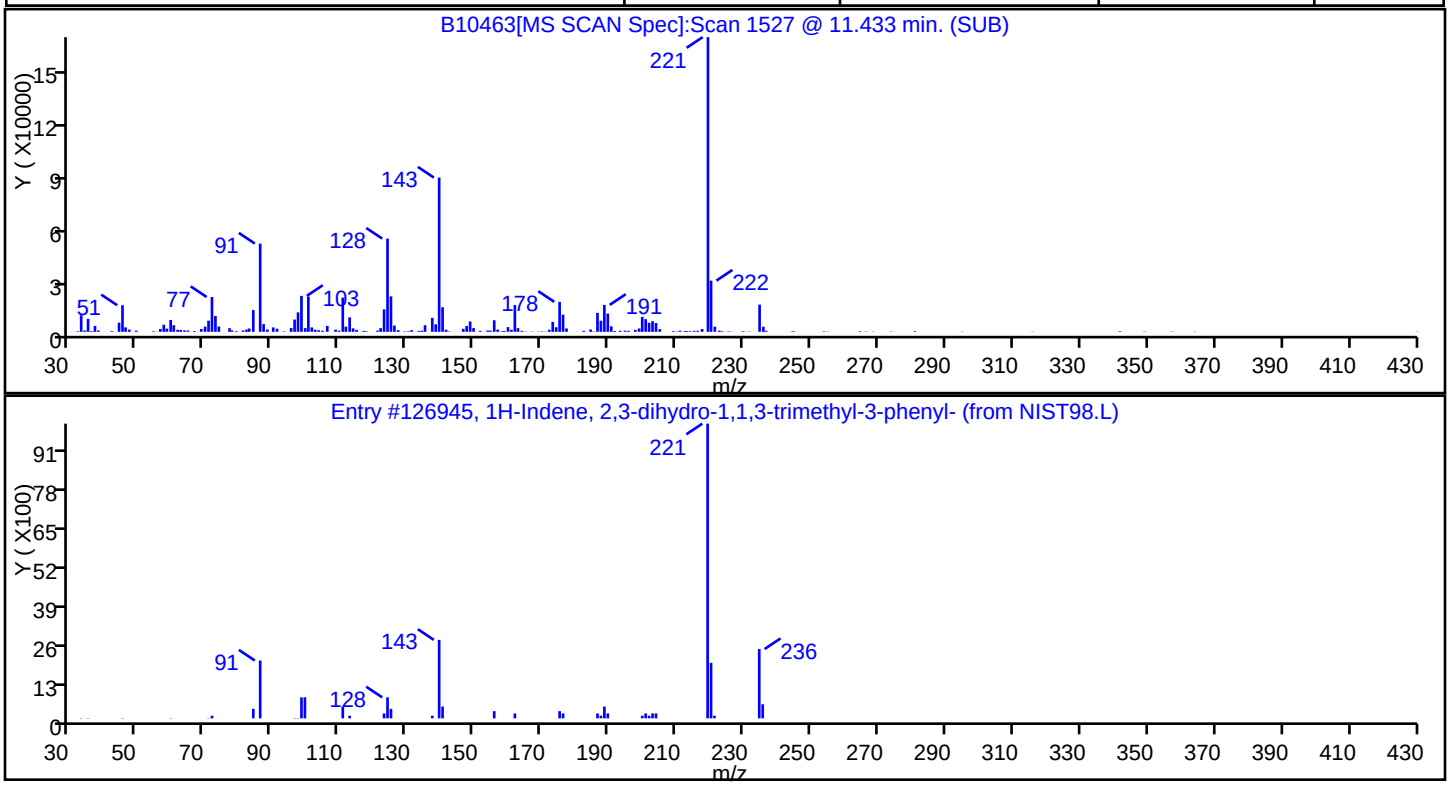




Report Date: 23-Sep-2009 12:46:33 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10463.D		
Inj Date:	22-Sep-2009 04:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	26
Client ID:	OC-SB-460-30/32-XXX	Instrument:	Inst. B
Sample Info:	360-24365-a-17-b		
Sample Amount:	1.00 ul	Operator:	MZ

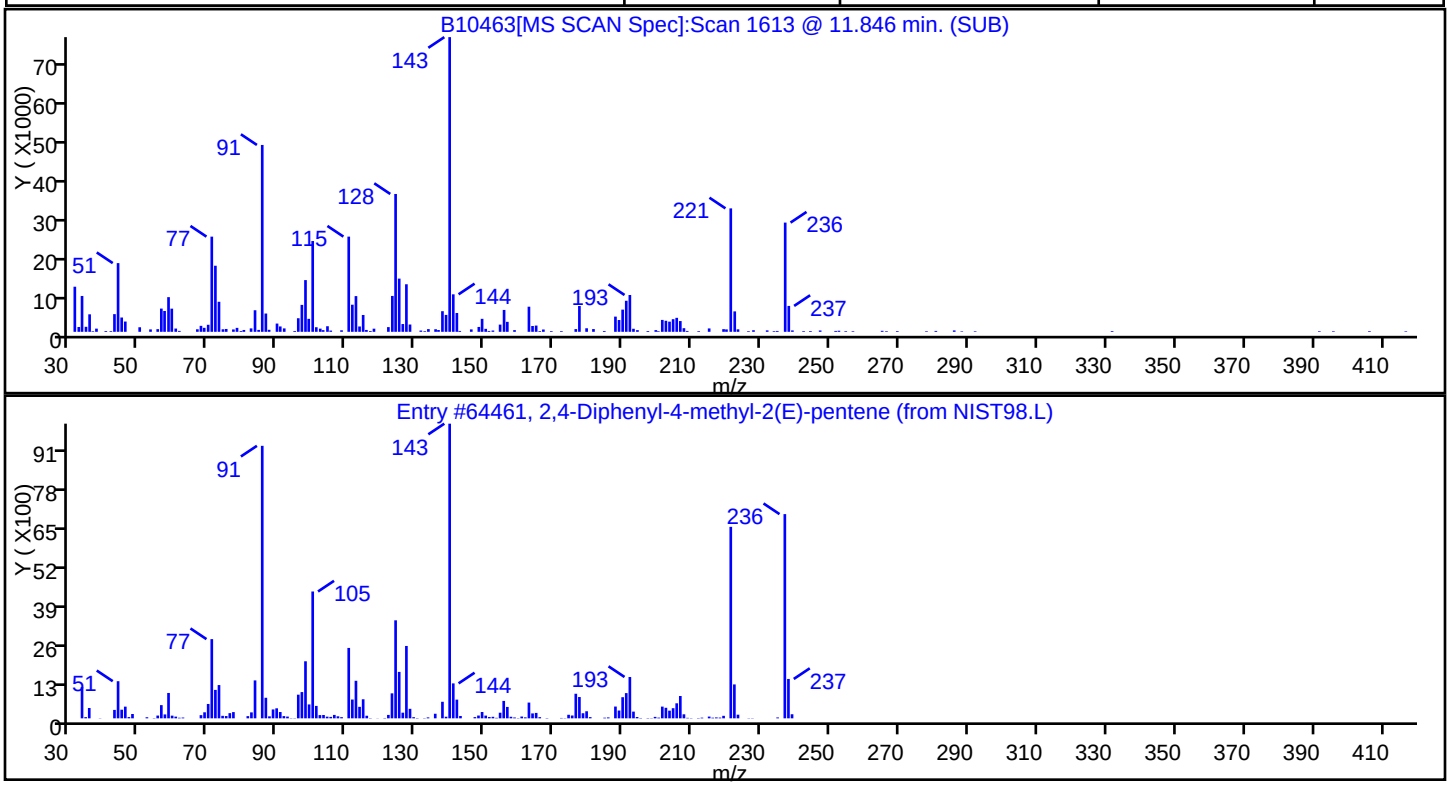
Library Search Compound Match	CAS Number	Library	Entry	Quality
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	3910-35-8	NIST98.L	126945	91



Report Date: 23-Sep-2009 12:46:33 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10463.D		
Inj Date:	22-Sep-2009 04:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	26
Client ID:	OC-SB-460-30/32-XXX	Instrument:	Inst. B
Sample Info:	360-24365-a-17-b		
Sample Amount:	1.00 ul	Operator:	MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
2,4-Diphenyl-4-methyl-2(E)-pentene	22768-22-5	NIST98.L	64461	91



Report Date: 23-Sep-2009 12:46:33 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10463.D

Inj Date: 22-Sep-2009 04:50:30 Limit Group: SMS - 8270LL SVOA Calibration

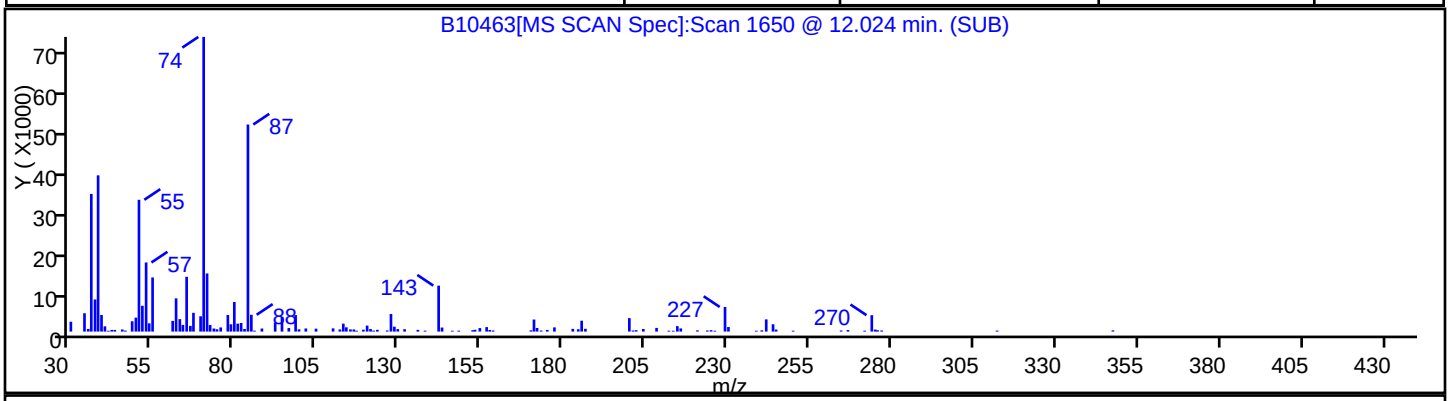
Lims Batch ID: 49266 Lims Sample ID: 26

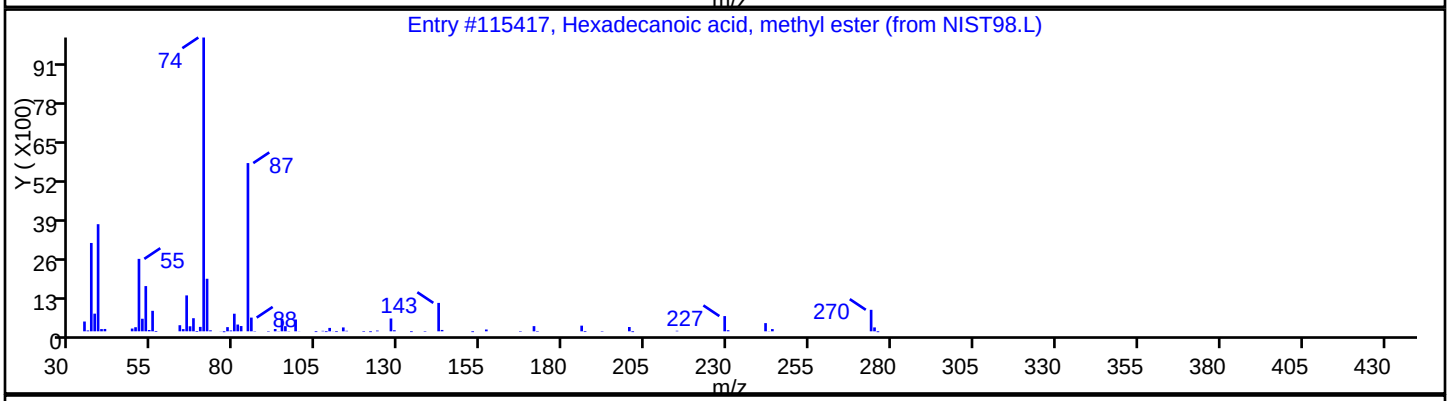
Client ID: OC-SB-460-30/32-XXX Instrument: Inst. B

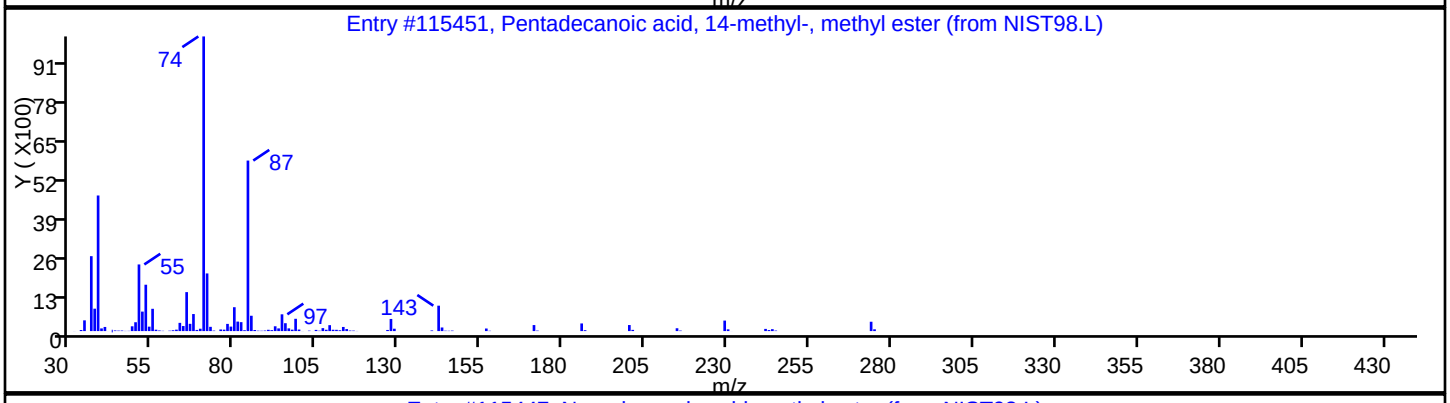
Sample Info: 360-24365-a-17-b

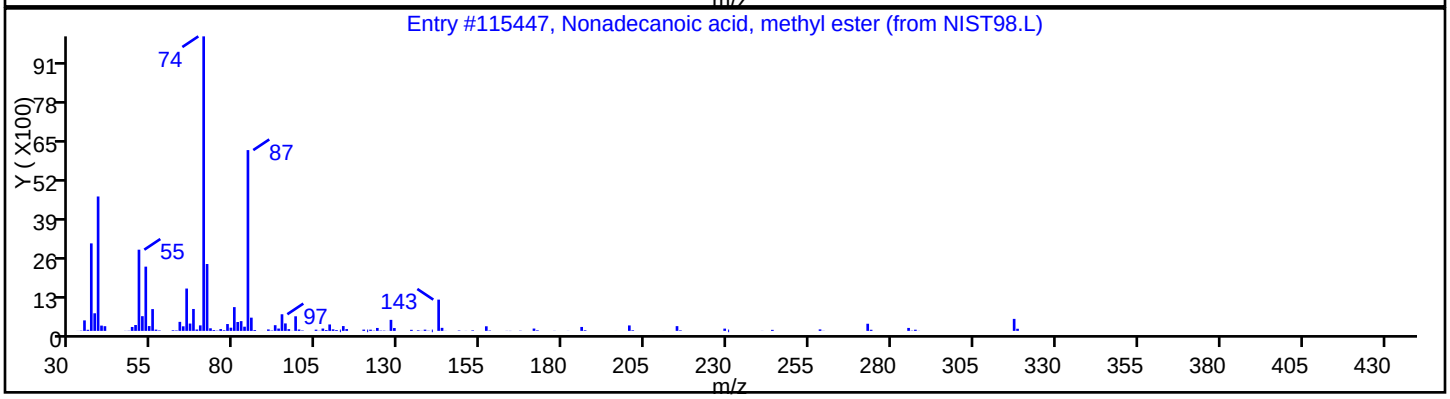
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexadecanoic acid, methyl ester	112-39-0	NIST98.L	115417	93
Pentadecanoic acid, 14-methyl-, methyl e	5129-60-2	NIST98.L	115451	91
Nonadecanoic acid, methyl ester	1731-94-8	NIST98.L	115447	80









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Inj Date: 22-Sep-2009 04:50:30 Limit Group: SMS - 8270LL SVOA Calibration

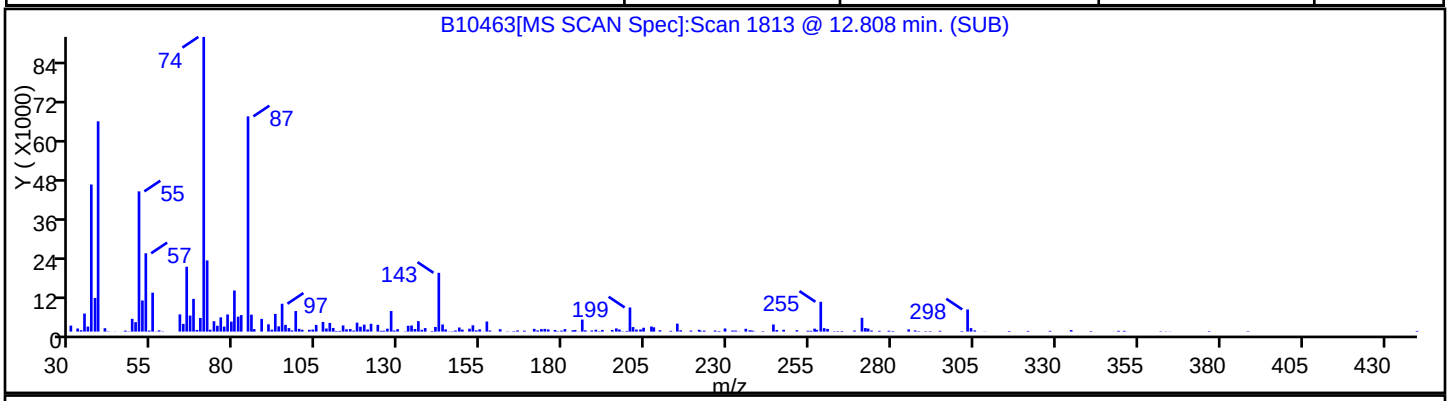
Lims Batch ID: 49266 Lims Sample ID: 26

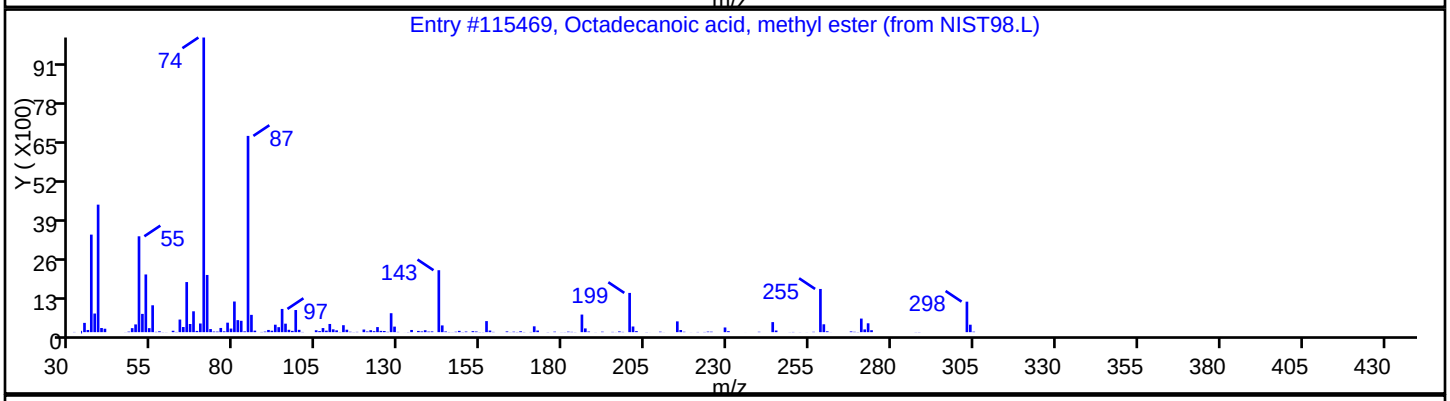
Client ID: OC-SB-460-30/32-XXX Instrument: Inst. B

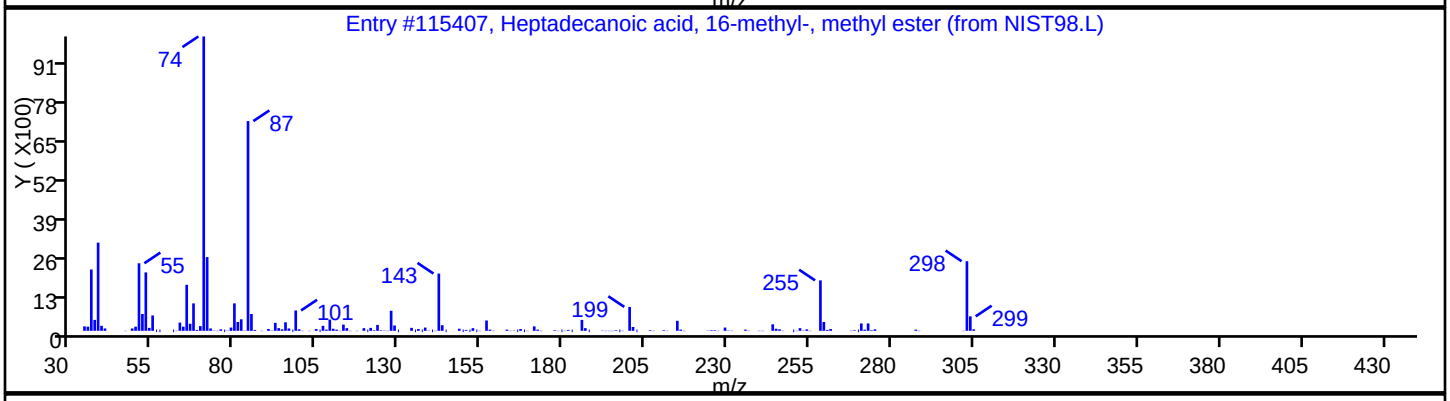
Sample Info: 360-24365-a-17-b

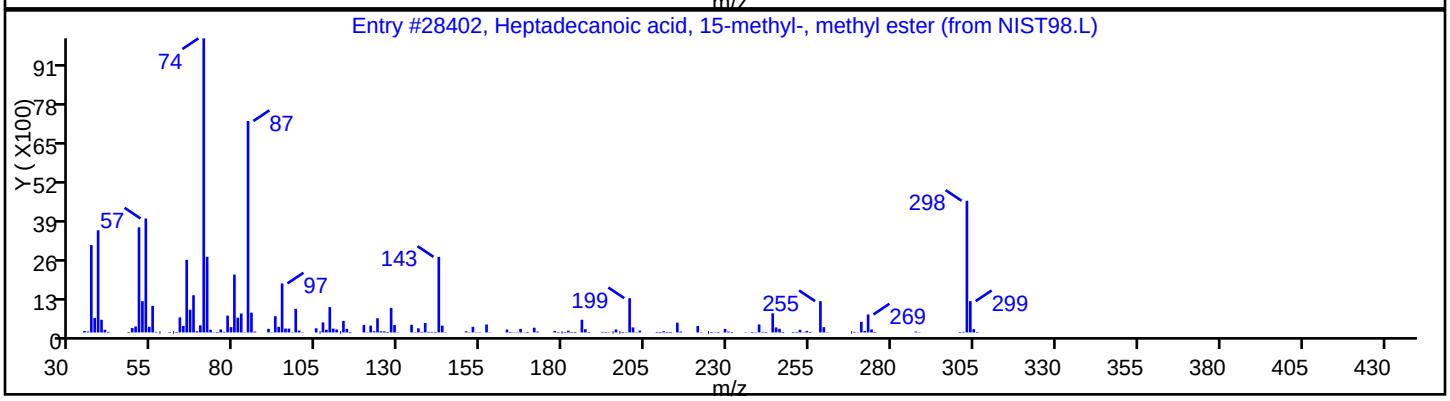
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecanoic acid, methyl ester	112-61-8	NIST98.L	115469	95
Heptadecanoic acid, 16-methyl-, methyl e	5129-61-3	NIST98.L	115407	93
Heptadecanoic acid, 15-methyl-, methyl e	54833-55-5	NIST98.L	28402	91









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Inj Date: 22-Sep-2009 04:50:30 Limit Group: SMS - 8270LL SVOA Calibration

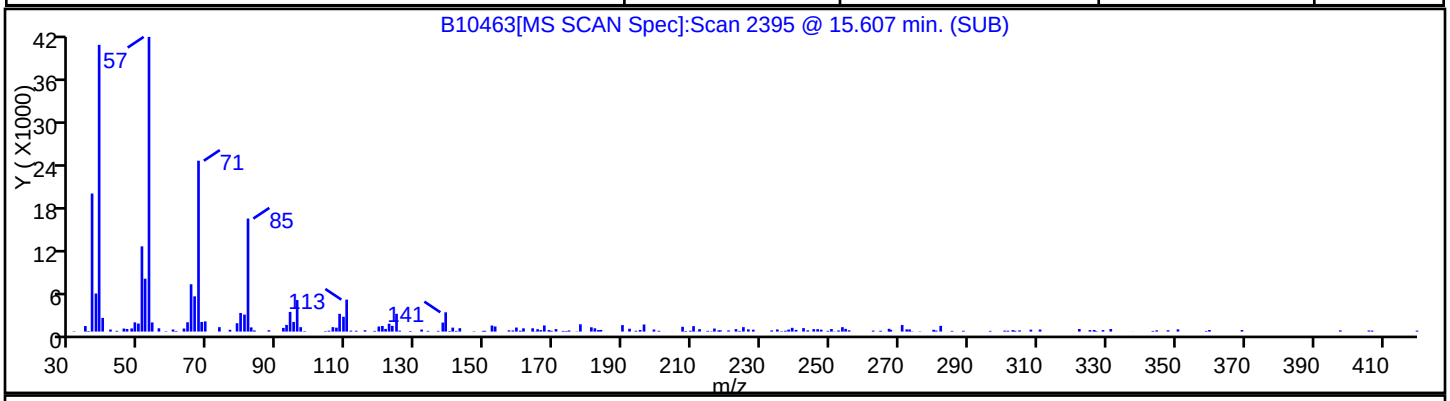
Lims Batch ID: 49266 Lims Sample ID: 26

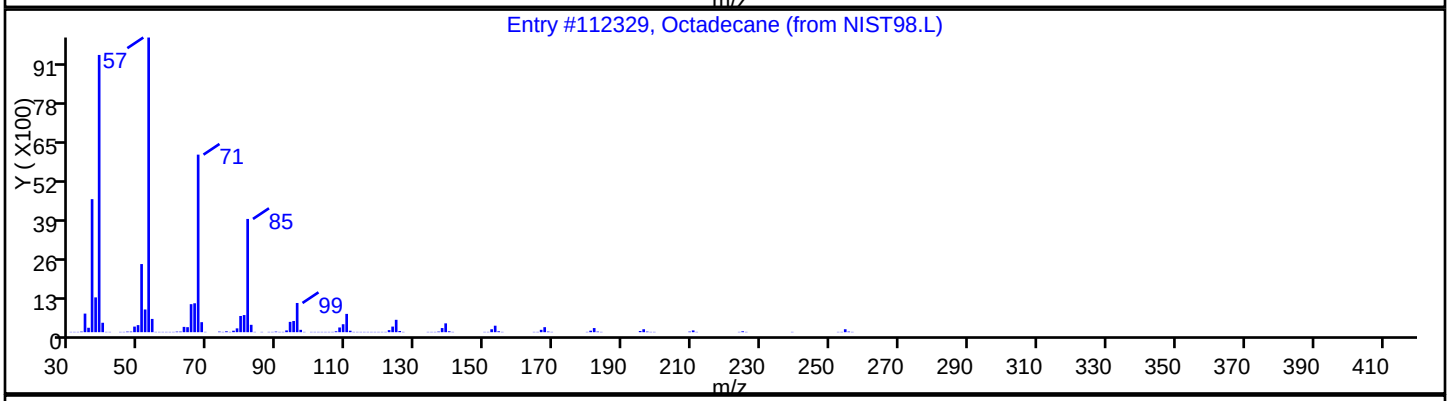
Client ID: OC-SB-460-30/32-XXX Instrument: Inst. B

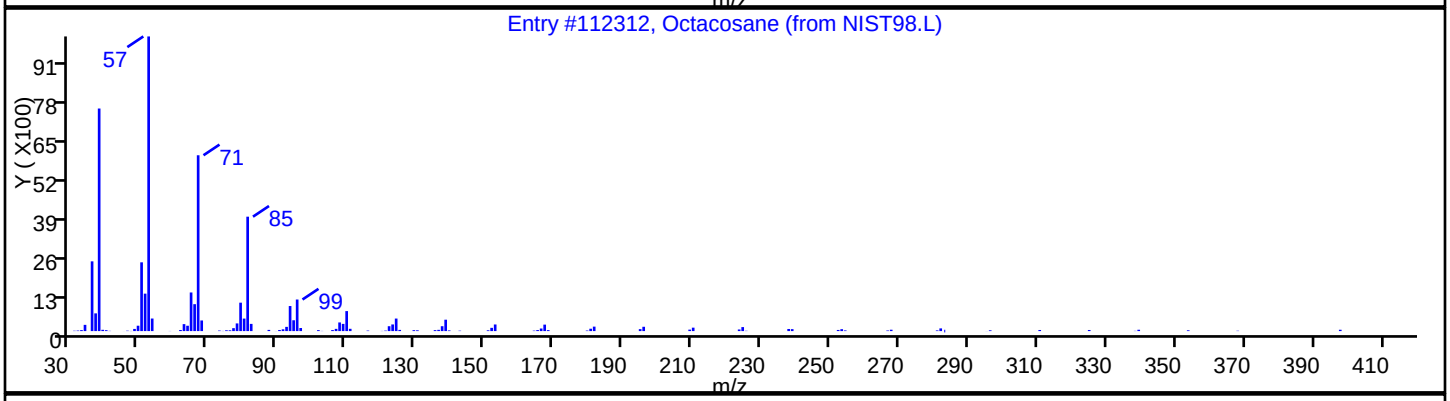
Sample Info: 360-24365-a-17-b

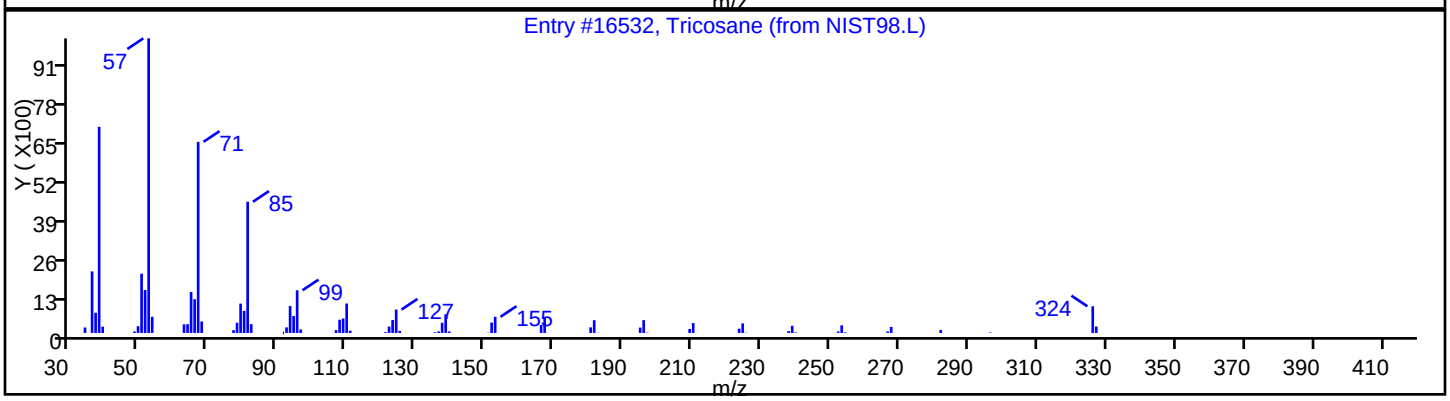
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane	593-45-3	NIST98.L	112329	96
Octacosane	630-2-4	NIST98.L	112312	96
Tricosane	638-67-5	NIST98.L	16532	93









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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49189

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2009 16:39 Calibration End Date: 09/18/2009 20:49 Calibration ID: 4654

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49189/3	B10402.D
Level 2	STD025 360-49189/4	B10403.D
Level 3	STD05 360-49189/5	B10404.D
Level 4	STD1 360-49189/6	B10405.D
Level 5	STD25 360-49189/7	B10406.D
Level 6	STD5 360-49189/2	B10401.D
Level 7	STD8 360-49189/8	B10407.D
Level 8	STD10 360-49189/9	B10408.D
Level 9	STD20 360-49189/10	B10409.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Pyridine	+++++ 0.4411	0.5622 0.4228	0.4844 0.3940	0.3817 0.5656	0.4783	Ave		0.4663				15.0					
N-Nitrosodimethylamine	0.4273 0.3476	0.3816 0.3283	0.4264 0.3176	0.3877 0.4375	0.3488	Ave		0.3781				12.0					
Benzoic acid	+++++ 0.0770	+++++ 0.0754	0.0195 0.0976	0.0252 0.0912	0.0308	Ave		0.0571				57.0					
Benzyl alcohol	+++++ 0.4218	0.0863 0.3965	0.2365 0.3873	0.3224 0.5583	0.3874	Qua	0.0661	0.2723	0.0140						0.9970		
Phenol	0.6262 0.6306	0.6977 0.6186	0.7297 0.5950	0.7406 0.8371	0.6188	Ave		0.6771				12.0					
Aniline	0.5278 0.7294	0.6687 0.6964	0.7670 0.6710	0.8175 0.9387	0.7050	Qua	0.2056	0.4834	0.0220						0.9980		
Bis(2-chloroethyl)ether	0.6726 0.4990	0.6167 0.4810	0.6485 0.4668	0.6184 0.6529	0.5037	Ave		0.5733				15.0					
2-Chlorophenol	0.6242 0.5406	0.6197 0.5196	0.6184 0.5018	0.6445 0.7095	0.5412	Ave		0.5910				12.0					
1,4-Dichlorobenzene	0.8112 0.6384	0.7977 0.6166	0.8202 0.5988	0.8059 0.8252	0.6334	Ave		0.7275				14.0					
1,3-Dichlorobenzene	0.8160 0.6696	0.8371 0.6456	0.8517 0.6211	0.8342 0.8533	0.6703	Ave		0.7554				13.0					
1,2-Dichlorobenzene	0.7780 0.6061	0.8089 0.5868	0.7935 0.5650	0.7385 0.7860	0.6074	Ave		0.6967				15.0					
2-Methylphenol	0.5490 0.5000	0.6087 0.4844	0.5654 0.4617	0.6338 0.6664	0.4994	Ave		0.5521				13.0					
2,4-Dinitrophenol	+++++ 0.1071	+++++ 0.1040	0.0256 0.1231	0.0385 0.1359	0.0488	Lin	-0.160	0.1406							0.9930		

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49189

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2009 16:39 Calibration End Date: 09/18/2009 20:49 Calibration ID: 4654

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
4-Nitrophenol	+++++ 0.1651	+++++ 0.1754	0.0873 0.1835	0.1041 0.1688	0.1159	Lin1	-0.061	0.1767							0.9940		
3 & 4 Methylphenol	0.4876 0.5133	0.6383 0.4865	0.6365 0.4678	0.5773 0.6750	0.5011	Ave		0.5537				14.0					
N-Nitrosodi-n-propylamine	0.3786 0.3659	0.3966 0.3539	0.4075 0.3426	0.4198 0.4932	0.3523	Ave		0.3901				12.0					
Acetophenone	0.9196 0.7242	0.8444 0.6961	0.9129 0.6836	0.8921 0.9607	0.7203	Ave		0.8171				13.0					
Hexachloroethane	0.2716 0.2320	0.2691 0.2218	0.2762 0.2116	0.2710 0.3088	0.2225	Ave		0.2538				13.0					
Nitrobenzene	0.2643 0.2386	0.2697 0.2301	0.2973 0.2137	0.2935 0.1444	0.2387	Qua	-0.007	0.2812	-0.007						0.9990		
4,6-Dinitro-2-methylphenol	+++++ 0.0944	+++++ 0.1063	0.0354 0.1141	0.0490 0.1093	0.0547	Lin1	-0.056	0.1116							0.9900		
Isophorone	0.3960 0.4016	0.4269 0.3913	0.4620 0.3681	0.4716 0.2378	0.3960	Qua	-0.039	0.4903	-0.012						0.9990		
2,4-Dimethylphenol	0.1952 0.1974	0.2215 0.1741	0.2268 0.1634	0.2034 0.1226	0.1875	Qua	0.0028	0.2085	-0.004						0.9990		
2-Nitrophenol	0.0973 0.1213	0.1188 0.1201	0.1341 0.1154	0.1350 0.0820	0.1162	Ave		0.1156				14.0					
Bis(2-chloroethoxy)methane	0.2863 0.2329	0.2905 0.2234	0.2930 0.2109	0.2952 0.1468	0.2319	Qua	0	0.2703	-0.006						0.9990		
2,4-Dichlorophenol	0.1837 0.1799	0.1844 0.1746	0.1972 0.1657	0.2008 0.1128	0.1747	Ave		0.1749				15.0					
1,2,4-Trichlorobenzene	0.2735 0.2050	0.2581 0.1991	0.2700 0.1859	0.2608 0.1258	0.2042	Qua	-0.002	0.2420	-0.006						0.9990		
Pentachlorophenol	+++++ 0.0775	+++++ 0.0918	0.0367 0.0982	0.0440 0.0963	0.0463	Lin	-0.074	0.1005							0.9960		
Alpha-Terpineol	0.2048 0.1896	0.1932 0.1880	0.2227 0.1734	0.2091 0.1184	0.1830	Qua	-0.020	0.2287	-0.005						0.9990		
Naphthalene	0.9233 0.6957	0.8735 0.6530	0.8897 0.6093	0.8704 0.3497	0.6924	Qua	-0.026	0.8488	-0.025						0.9990		
4-Chloroaniline	0.2817 0.3565	0.3747 0.2878	0.3995 0.2698	0.4202 0.1681	0.3460	Qua	0.0200	0.3769	-0.011						0.9980		
Hexachlorobutadiene	0.1260 0.1045	0.1288 0.1032	0.1311 0.0985	0.1280 0.0668	0.1043	Qua	-0.006	0.1263	-0.003						0.9990		
4-Chloro-3-methylphenol	0.1497 0.1818	0.1911 0.1768	0.1882 0.1686	0.1918 0.1162	0.1753	Ave		0.1711				14.0					
2-Methylnaphthalene	0.5348 0.4335	0.5473 0.4183	0.5403 0.3951	0.5414 0.2467	0.4308	Qua	-0.023	0.5285	-0.014						0.9980		

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49189

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2009 16:39 Calibration End Date: 09/18/2009 20:49 Calibration ID: 4654

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Hexachlorocyclopentadiene	0.1422 0.1870	0.1324 0.1897	0.1426 0.1942	0.1451 0.1862	0.1292	Lin1	-0.013	0.1863							0.9940		
2,4,6-Trichlorophenol	0.2089 0.2929	0.2494 0.3324	0.2898 0.3336	0.2863 0.3034	0.2501	Ave		0.2830				14.0					
2,4,5-Trichlorophenol	0.2658 0.3166	0.2620 0.3575	0.2912 0.3619	0.2989 0.3252	0.2580	Ave		0.3041				13.0					
2-Chloronaphthalene	1.2127 1.1950	1.3087 1.3655	1.3244 1.3724	1.2540 1.1131	1.0908	Ave		1.2485				8.3					
4-Nitroaniline	0.2449 0.3558	0.2648 0.3976	0.3142 0.4088	0.3149 0.3704	0.2910	Lin1	-0.025	0.3796							0.9940		
Benzidine	+++++ 0.5849	+++++ 0.7280	0.0448 0.7220	0.1394 0.7246	0.3705	Lin1	-0.489	0.7440							0.9910		
Dimethyl phthalate	1.2443 1.1727	1.1711 1.3097	1.2393 1.3143	1.2014 1.0922	1.0456	Ave		1.1990				7.6					
2,6-Dinitrotoluene	0.2089 0.2767	0.2535 0.3084	0.2781 0.3155	0.2767 0.2884	0.2426	Ave		0.2721				12.0					
Acenaphthylene	1.3699 1.5926	1.5364 1.7756	1.6381 1.7664	1.6225 1.3212	1.4037	Ave		1.5585				11.0					
3-Nitroaniline	0.2065 0.2720	0.2314 0.3065	0.2490 0.3114	0.2554 0.2780	0.2413	Ave		0.2613				13.0					
Acenaphthene	1.0984 1.1003	1.1241 1.2488	1.1373 1.2704	1.1498 1.0100	0.9594	Ave		1.1221				8.9					
2,4-Dinitrotoluene	0.2082 0.3517	0.2760 0.3995	0.3078 0.4045	0.3178 0.3758	0.2950	Lin1	-0.028	0.3815							0.9950		
Dibenzofuran	1.5756 1.4060	1.5256 1.5921	1.4852 1.5887	1.4907 1.2172	1.2638	Ave		1.4606				9.5					
Diethyl phthalate	1.3348 1.1786	1.2191 1.3281	1.2665 1.3361	1.2013 1.0768	1.0382	Ave		1.2199				9.0					
4-Chlorophenyl phenyl ether	0.5623 0.5293	0.5360 0.6010	0.5421 0.6174	0.5258 0.5407	0.4695	Ave		0.5471				7.9					
2-Nitroaniline	0.1835 0.3161	0.2150 0.3652	0.2470 0.3689	0.2713 0.3345	0.2601	Lin1	-0.030	0.3435							0.9930		
Fluorene	1.2608 1.2272	1.1647 1.4036	1.2363 1.4268	1.2381 1.1031	1.0787	Ave		1.2377				9.6					
N-Nitrosodiphenylamine	0.5944 0.5933	0.5931 0.6904	0.6302 0.7046	0.6384 0.5658	0.5339	Ave		0.6160				9.0					
1,2-Diphenylhydrazine	1.0609 1.1106	1.0648 1.2807	1.1590 1.2862	1.1563 0.9778	0.9999	Ave		1.1218				9.8					
4-Bromophenyl phenyl ether	0.1871 0.1616	0.1771 0.1898	0.1807 0.1936	0.1733 0.1701	0.1437	Ave		0.1752				8.9					

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49189

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2009 16:39 Calibration End Date: 09/18/2009 20:49 Calibration ID: 4654

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Hexachlorobenzene	0.1585 0.1512	0.1605 0.1827	0.1695 0.1866	0.1652 0.1622	0.1339	Ave		0.1634				9.7					
Phenanthrene	1.0954 0.9293	1.0481 1.0675	1.0389 1.0667	1.0106 0.7855	0.8416	Ave		0.9871				11.0					
Anthracene	0.8656 0.9302	0.9336 1.0624	0.9548 1.0693	0.9773 0.7873	0.8017	Ave		0.9313				11.0					
Carbazole	0.8455 0.7018	0.8178 0.8837	0.8652 0.8923	0.8551 0.7291	0.6448	Ave		0.8039				11.0					
Di-n-butyl phthalate	1.3879 1.0943	1.1846 1.2539	1.1762 1.2518	1.1757 0.8530	0.9811	Ave		1.1509				14.0					
Fluoranthene	0.8352 0.8773	0.8952 0.9920	0.9030 1.0191	0.9014 0.8289	0.7671	Ave		0.8910				8.8					
Pyrene	1.2441 1.0807	1.2424 1.3241	1.2909 1.3126	1.2325 1.0368	1.1032	Ave		1.2075				8.8					
Butyl benzyl phthalate	0.4499 0.5121	0.4536 0.6334	0.5101 0.6329	0.5195 0.5359	0.4812	Ave		0.5254				13.0					
Bis(2-ethylhexyl) phthalate	0.7074 0.7326	0.6495 0.8363	0.6351 0.8587	0.6523 0.6828	0.6189	Ave		0.7082				12.0					
3,3'-Dichlorobenzidine	0.2555 0.5677	0.3931 0.7145	0.5048 0.7417	0.5695 0.6495	0.5048	Lin1	-0.063	0.6703							0.9900		
Benzo[a]anthracene	0.8260 0.7952	0.8282 0.9128	0.8647 0.9286	0.8484 0.7819	0.7216	Ave		0.8341				7.7					
Chrysene	0.8798 0.7547	0.8488 0.8535	0.8217 0.8658	0.8174 0.7372	0.6801	Ave		0.8066				8.4					
Di-n-octyl phthalate	0.9355 1.5151	1.1089 2.0563	1.3143 2.0754	1.3792 1.7012	1.4545	Qua	-0.822	2.2719	-0.026						0.9910		
Benzo[b]fluoranthene	1.0841 1.0035	1.0597 1.2606	1.1318 1.2687	1.1566 1.1284	0.9726	Ave		1.1184				9.1					
Benzo[k]fluoranthene	0.9006 0.9610	0.9436 1.1988	1.0202 1.2413	1.0463 1.0620	0.9001	Ave		1.0304				12.0					
Benzo[a]pyrene	0.5704 0.7860	0.6456 0.9485	0.7485 0.9943	0.7887 0.8486	0.6956	Lin1	-0.054	0.8878							0.9910		
Indeno[1,2,3-cd]pyrene	0.4372 0.5535	0.4088 0.6169	0.4905 0.6379	0.4439 0.5227	0.4434	Qua	-0.212	0.7062	-0.008						0.9950		
Dibenz(a,h)anthracene	0.3370 0.4349	0.2850 0.4800	0.3935 0.5056	0.3411 0.4231	0.3396	Lin1	-0.028	0.4494							0.9900		
Benzo[g,h,i]perylene	0.4951 0.4615	0.3667 0.4929	0.4830 0.5133	0.4459 0.4068	0.3795	Ave		0.4494				12.0					
2-Fluorophenol	0.5623 0.5073	0.5502 0.4776	0.6078 0.4641	0.6139 0.6539	0.4927	Ave		0.5478				12.0					

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49189

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2009 16:39 Calibration End Date: 09/18/2009 20:49 Calibration ID: 4654

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Nitrobenzene-d5	0.2914 0.2459	0.2794 0.2310	0.2963 0.2220	0.2950 0.1451	0.2360	Qua	-0.013	0.2905	-0.007						0.9990		
2-Fluorobiphenyl	1.3110 1.2142	1.2616 1.3709	1.3241 1.3708	1.2598 1.0836	1.0783	Ave		1.2527				8.8					
2,4,6-Tribromophenol	0.0399 0.0595	0.0477 0.0687	0.0518 0.0708	0.0535 0.0665	0.0488	Lin1	-0.005	0.0665							0.9940		
Terphenyl-d14	0.7919 0.6406	0.7156 0.7857	0.7734 0.7825	0.7256 0.6634	0.6463	Ave		0.7250				8.6					

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49189

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2009 16:39 Calibration End Date: 09/18/2009 20:49 Calibration ID: 4654

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49189/3	B10402.D
Level 2	STD025 360-49189/4	B10403.D
Level 3	STD05 360-49189/5	B10404.D
Level 4	STD1 360-49189/6	B10405.D
Level 5	STD25 360-49189/7	B10406.D
Level 6	STD5 360-49189/2	B10401.D
Level 7	STD8 360-49189/8	B10407.D
Level 8	STD10 360-49189/9	B10408.D
Level 9	STD20 360-49189/10	B10409.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Pyridine	DCB	Ave	+++++ 728097	36623 1131526	65251 1228951	82732 2599333	343602	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodimethylamine	DCB	Ave	10014 573757	24861 878710	57428 990663	84029 2010654	250564	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzoic acid	NPT	Ave	+++++ 307516	+++++ 487197	6258 761734	13074 2161674	53165	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Benzyl alcohol	DCB	Qua	+++++ 696224	5623 1061285	31850 1207942	69867 2565665	278311	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenol	DCB	Ave	14673 1040985	45452 1655581	98289 1855978	160508 3846678	444482	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Aniline	DCB	Qua	12369 1204029	43562 1863725	103309 2093095	177157 4313854	506434	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethyl)ether	DCB	Ave	15760 823702	40177 1287395	87346 1456110	134015 3000591	361817	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chlorophenol	DCB	Ave	14626 892302	40368 1390557	83294 1565170	139682 3260265	388746	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,4-Dichlorobenzene	DCB	Ave	19009 1053839	51966 1650246	110472 1867660	174662 3792344	454957	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,3-Dichlorobenzene	DCB	Ave	19122 1105314	54530 1727810	114717 1937237	180789 3921275	481500	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Dichlorobenzene	DCB	Ave	18230 1000500	52697 1570618	106876 1762264	160036 3611892	436295	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Methylphenol	DCB	Ave	12864 825320	39651 1296469	76159 1440126	137364 3062372	358731	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrophenol	ANT	Lin	+++++ 172472	+++++ 234325	3930 312574	9633 799535	37968	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitrophenol	ANT	Lin1	+++++ 265744	+++++ 395213	13398 465779	26049 992928	90187	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49189

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2009 16:39 Calibration End Date: 09/18/2009 20:49 Calibration ID: 4654

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
3 & 4 Methylphenol	DCB	Ave	11427 847327	41582 1301945	85733 1459051	125112 3102019	359923	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodi-n-propylamine	DCB	Ave	8871 604003	25839 947121	54894 1068649	90969 2266710	253096	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acetophenone	DCB	Ave	21548 1195444	55005 1862950	122966 2132233	193327 4415100	517415	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachloroethane	DCB	Ave	6364 383030	17531 593565	37200 659867	58740 1418879	159793	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene	NPT	Qua	14985 952388	41914 1487462	95495 1667978	152420 3422498	411439	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4,6-Dinitro-2-methylphenol	PHN	Lin1	+++++ 258640	+++++ 397252	8902 480448	19805 1095988	71455	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Isophorone	NPT	Qua	22457 1603004	66345 2529899	148402 2872559	244954 5634646	682741	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dimethylphenol	NPT	Qua	11071 787931	34428 1125682	72860 1275508	105623 2906040	323192	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitrophenol	NPT	Ave	5517 484318	18455 776422	43079 900452	70112 1943412	200311	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethoxy)methane	NPT	Qua	16232 929904	45148 1444661	94106 1645909	153349 3479303	399850	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dichlorophenol	NPT	Ave	10418 718296	28658 1128986	63337 1292895	104270 2673877	301238	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2,4-Trichlorobenzene	NPT	Qua	15508 818231	40115 1287284	86721 1450700	135438 2980800	352025	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachlorophenol	PHN	Lin	+++++ 212353	+++++ 343264	9221 413580	17790 965659	60467	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Alpha-Terpineol	NPT	Qua	11616 756776	30025 1215382	71529 1353289	108593 2805227	315538	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Naphthalene	NPT	Qua	52357 2777286	135756 4221989	285792 4754903	452088 8286738	1193723	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chloroaniline	NPT	Qua	15974 1423209	58236 1860888	128337 2105806	218232 3983084	596541	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobutadiene	NPT	Qua	7147 417294	20019 667198	42109 768612	66472 1581739	179727	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chloro-3-methylphenol	NPT	Ave	8490 725644	29705 1143034	60467 1315646	99641 2754507	302259	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Methylnaphthalene	NPT	Qua	30325 1730592	85062 2704303	173542 3083659	281218 5846720	742752	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorocyclopentadiene	ANT	Lin1	3858 301125	9895 427526	21885 493079	36314 1095675	100569	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Trichlorophenol	ANT	Ave	5667 471613	18635 749049	44463 846830	71673 1785118	194696	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49189

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2009 16:39 Calibration End Date: 09/18/2009 20:49 Calibration ID: 4654

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2,4,5-Trichlorophenol	ANT	Ave	7210 509667	19580 805535	44676 918787	74806 1913634	200865	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chloronaphthalene	ANT	Ave	32898 1923977	97794 3076702	203204 3483693	313874 6549166	849149	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitroaniline	ANT	Lin1	6644 572793	19788 895843	48211 1037785	78827 2179575	226520	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzidine	PHN	Lin1	+++++ 1601835	+++++ 2721292	11254 3039529	56378 7267801	483685	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Dimethyl phthalate	ANT	Ave	33757 1888099	87513 2951019	190141 3336335	300712 6426222	813997	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,6-Dinitrotoluene	ANT	Ave	5668 445567	18946 694910	42661 800786	69258 1696746	188870	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthylene	ANT	Ave	37165 2564190	114811 4000869	251333 4483920	406129 7773673	1092749	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3-Nitroaniline	ANT	Ave	5603 437929	17289 690650	38211 790563	63940 1635602	187872	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthene	ANT	Ave	29797 1771487	83998 2813893	174491 3224777	287811 5942811	746885	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrotoluene	ANT	Lin1	5648 566302	20628 900186	47229 1026820	79551 2211226	229631	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenzofuran	ANT	Ave	42745 2263737	114005 3587383	227872 4032964	373139 7161875	983785	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diethyl phthalate	ANT	Ave	36212 1897681	91096 2992476	194321 3391611	300685 6335868	808176	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chlorophenyl phenyl ether	ANT	Ave	15254 852191	40053 1354232	83170 1567324	131623 3181172	365507	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitroaniline	ANT	Lin1	4977 508990	16069 822945	37904 936487	67920 1968189	202479	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluorene	ANT	Ave	34205 1975850	87036 3162702	189688 3621967	309911 6490687	839754	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodiphenylamine	PHN	Ave	25672 1624949	71786 2580857	158308 2966023	258183 5674683	697025	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Diphenylhydrazine	PHN	Ave	45820 3041750	128868 4787606	291126 5414824	467601 9807064	1305305	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Bromophenyl phenyl ether	PHN	Ave	8079 442710	21434 709370	45398 815112	70074 1705961	187543	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobenzene	PHN	Ave	6846 414166	19423 682994	42566 785434	66787 1626637	174820	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenanthrene	PHN	Ave	47308 2545171	126858 3990623	260966 4490598	408677 7878202	1098720	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Anthracene	PHN	Ave	37384 2547715	112990 3971401	239821 4501311	395196 7896330	1046578	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49189

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2009 16:39 Calibration End Date: 09/18/2009 20:49 Calibration ID: 4654

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Carbazole	PHN	Ave	36515 1921976	98979 3303497	217314 3756258	345802 7312969	841809	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-butyl phthalate	PHN	Ave	59940 2997147	143373 4687380	295440 5269975	475440 8555433	1280776	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluoranthene	PHN	Ave	36072 2402662	108351 3708490	226821 4290124	364536 8313726	1001478	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pyrene	CRY	Ave	38073 2529754	110502 3975649	238524 4606984	394464 8871744	1060947	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Butyl benzyl phthalate	CRY	Ave	13767 1198781	40348 1901811	94252 2221566	166257 4585321	462816	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-ethylhexyl) phthalate	CRY	Ave	21650 1715054	57769 2510875	117342 3014144	208764 5842286	595177	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3,3'-Dichlorobenzidine	CRY	Lin1	7820 1328870	34963 2145303	93270 2603492	182292 5557232	485491	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[a]anthracene	CRY	Ave	25277 1861421	73662 2740647	159763 3259183	271547 6690869	693914	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Chrysene	CRY	Ave	26924 1766779	75495 2562761	151815 3039031	261616 6307857	654046	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-octyl phthalate	PRY	Qua	18072 2455362	60640 3329246	136739 4024097	260100 7557785	763422	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[b]fluoranthene	PRY	Ave	20942 1626287	57950 2040946	117750 2460049	218127 5012955	510481	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[k]fluoranthene	PRY	Ave	17397 1557482	51601 1940987	106137 2406770	197332 4717785	472445	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[a]pyrene	PRY	Lin1	11019 1273753	35304 1535695	77870 1927903	148749 3770087	365112	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Indeno[1,2,3-cd]pyrene	PRY	Qua	8446 897039	22355 998791	51029 1236809	83723 2322263	232740	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenz(a,h)anthracene	PRY	Lin1	6510 704870	15585 777075	40935 980268	64331 1879802	178229	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[g,h,i]perylene	PRY	Ave	9565 747977	20051 798019	50254 995210	84094 1807027	199193	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorophenol	DCB	Ave	13176 837453	35843 1278285	81872 1447585	133053 3005115	353909	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene-d5	NPT	Qua	16526 981579	43423 1493768	95176 1732382	153226 3438677	406897	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorobiphenyl	ANT	Ave	35565 1954915	94272 3088824	203154 3479812	315344 6375815	839420	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Tribromophenol	PHN	Lin1	1724 162832	5775 256964	13014 298236	21641 666946	63704	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Terphenyl-d14	CRY	Ave	24235 1499648	63650 2359205	142895 2746460	232251 5676203	621562	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49189

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2009 16:39 Calibration End Date: 09/18/2009 20:49 Calibration ID: 4654

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10401.D		
Lims ID:	STD5	Client ID:	
Inject. Date:	18-Sep-2009 16:39:30	Dil. Factor:	1.0000
Sample Type:	ICIS, ICal ISTD Check	Calib Level:	6
Sample ID:	std5		
Misc. Info.:	360-0001228-002		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	2
Lims Batch ID:	49189	Lims Sample ID:	2
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\8270B.m		
Last Update:	21-Sep-2009 12:21:38	Calib Date:	18-Sep-2009 16:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10401.D		
Limit Group:	SMS - 625LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 21-Sep-2009 12:21:38

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.113	8.113	0.000	660266	2.00	
* 2 Naphthalene-d8	136	9.243	9.243	0.000	1596759	2.00	
* 3 Acenaphthene-d10	164	10.749	10.749	0.000	644027	2.00	
* 4 Phenanthrene-d10	188	12.018	12.018	0.000	1095512	2.00	
* 5 Chrysene-d12	240	15.735	15.735	0.000	936376	2.00	
* 6 Perylene-d12	264	18.308	18.308	0.000	648252	2.00	
$ 7 2-Fluorophenol	112	6.863	6.863	0.000	837453	5.00	
$ 8 Phenol-d5	99	7.729	7.729	0.000	996041	0	
$ 9 Nitrobenzene-d5	82	8.604	8.604	0.000	981579	5.00	
$ 10 2-Fluorobiphenyl	172	10.133	10.133	0.000	1954915	5.00	
$ 11 2,4,6-Tribromophenol	330	11.417	11.417	0.000	162832	5.00	
$ 12 Terphenyl-d14	244	13.749	13.749	0.000	1499648	5.00	
14 1,4-Dioxane	88	4.752	4.752	0.000	315143	0	
15 N-Nitrosodimethylamine	42	5.247	5.247	0.000	573757	5.00	
16 Pyridine	79	5.295	5.295	0.000	728097	5.00	
17 Benzaldehyde	105	7.719	7.719	0.000	444149	0	
18 Phenol	94	7.743	7.743	0.000	1040985	5.00	
19 Aniline	93	7.810	7.810	0.000	1204029	5.00	
20 Bis(2-chloroethyl)ether	93	7.844	7.844	0.000	823702	5.00	
21 2-Chlorophenol	128	7.926	7.926	0.000	892302	5.00	
22 1,4-Dichlorobenzene	146	8.065	8.065	0.000	1053839	5.00	
23 1,3-Dichlorobenzene	146	8.128	8.128	0.000	1105314	5.00	
24 Benzyl alcohol	79	8.210	8.210	0.000	696224	5.00	
25 1,2-Dichlorobenzene	146	8.272	8.272	0.000	1000500	5.00	
26 2-Methylphenol	108	8.291	8.291	0.000	825320	5.00	
27 2,2'-oxybis[1-chloropropane]	45	8.320	8.320	0.000	1518494	0	
28 3 & 4 Methylphenol	108	8.416	8.416	0.000	847327	5.00	
29 N-Nitrosodi-n-propylamine	70	8.436	8.436	0.000	604003	5.00	
30 Acetophenone	105	8.455	8.455	0.000	1195444	5.00	
31 Hexachloroethane	117	8.580	8.580	0.000	383030	5.00	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.618	8.618	0.000	952388	5.00	
33 Isophorone	82	8.815	8.815	0.000	1603004	5.00	
35 2,4-Dimethylphenol	107	8.883	8.883	0.000	787931	5.00	
34 2-Nitrophenol	139	8.897	8.897	0.000	484318	5.00	
36 Benzoic acid	105	8.931	8.931	0.000	307516	5.00	
37 Bis(2-chloroethoxy)methane	93	8.965	8.965	0.000	929904	5.00	
38 2,4-Dichlorophenol	162	9.099	9.099	0.000	718296	5.00	
39 1,2,4-Trichlorobenzene	180	9.181	9.181	0.000	818231	5.00	
40 Alpha-Terpineol	59	9.224	9.224	0.000	756776	5.00	
41 Naphthalene	128	9.263	9.263	0.000	2777286	5.00	
42 4-Chloroaniline	127	9.277	9.277	0.000	1423209	5.00	
43 Hexachlorobutadiene	225	9.340	9.340	0.000	417294	5.00	
44 Caprolactam	55	9.570	9.570	0.000	392333	0	
45 4-Chloro-3-methylphenol	107	9.652	9.652	0.000	725644	5.00	
46 2-Methylnaphthalene	142	9.845	9.845	0.000	1730592	5.00	
47 1-Methylnaphthalene	142	9.936	9.936	0.000	1745937	0	
48 Hexachlorocyclopentadiene	237	9.970	9.970	0.000	301125	5.00	
49 1,2,4,5-Tetrachlorobenzene	216	9.989	9.989	0.000	723520	0	
50 2,4,6-Trichlorophenol	196	10.071	10.071	0.000	471613	5.00	
51 2,4,5-Trichlorophenol	196	10.104	10.104	0.000	509667	5.00	
52 1,1'-Biphenyl	154	10.229	10.229	0.000	2162432	0	
53 2-Chloronaphthalene	162	10.273	10.273	0.000	1923977	5.00	
54 Phenyl ether	170	10.306	10.306	0.000	1194211	0	
68 4-Nitroaniline	138	10.335	10.335	0.000	572793	5.00	
56 Dimethyl phthalate	163	10.446	10.446	0.000	1888099	5.00	
57 2,6-Dinitrotoluene	165	10.518	10.518	0.000	445567	5.00	
58 Acenaphthylene	152	10.633	10.633	0.000	2564190	5.00	
59 3-Nitroaniline	138	10.676	10.676	0.000	437929	5.00	
60 2,4-Dinitrophenol	184	10.758	10.758	0.000	172472	5.00	
62 4-Nitrophenol	109	10.768	10.768	0.000	265744	5.00	
61 Acenaphthene	153	10.777	10.777	0.000	1771487	5.00	
63 2,4-Dinitrotoluene	165	10.864	10.864	0.000	566302	5.00	
64 Dibenzofuran	168	10.917	10.917	0.000	2263737	5.00	
65 2,3,4,6-Tetrachlorophenol	232	11.003	11.003	0.000	347569	0	
66 Diethyl phthalate	149	11.027	11.027	0.000	1897681	5.00	
67 4-Chlorophenyl phenyl ether	204	11.172	11.172	0.000	852191	5.00	
55 2-Nitroaniline	65	11.196	11.196	0.000	508990	5.00	
70 4,6-Dinitro-2-methylphenol	198	11.215	11.215	0.000	258640	5.00	
71 Diphenylamine	169	11.268	11.268	0.000	1624949	0	
69 Fluorene	166	11.210	11.210	0.000	1975850	5.00	
72 N-Nitrosodiphenylamine	169	11.268	11.268	0.000	1624949	5.00	
73 1,2-Diphenylhydrazine	77	11.311	11.311	0.000	3041750	5.00	
74 Azobenzene	77	11.311	11.311	0.000	3041750	0	
13 Benzophenone	105	11.321	11.321	0.000	1854178	0	
75 4-Bromophenyl phenyl ether	248	11.595	11.595	0.000	442710	5.00	
77 Atrazine	200	11.677	11.677	0.000	468064	0	
76 Hexachlorobenzene	284	11.686	11.686	0.000	414166	5.00	
78 Pentachlorophenol	266	11.835	11.835	0.000	212353	5.00	
79 Pentachloronitrobenzene	237	11.850	11.850	0.000	199577	0	
80 Phenanthrene	178	12.042	12.042	0.000	2545171	5.00	
81 Anthracene	178	12.090	12.090	0.000	2547715	5.00	
83 Carbazole	167	12.206	12.206	0.000	1921976	5.00	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	12.432	12.432	0.000	2997147	5.00	
87 Fluoranthene	202	13.297	13.297	0.000	2402662	5.00	
86 Benzidine	184	13.403	13.403	0.000	1601835	5.00	
85 Pyrene	202	13.629	13.629	0.000	2529754	5.00	
89 Butyl benzyl phthalate	149	14.523	14.523	0.000	1198781	5.00	
92 Bis(2-ethylhexyl) phthalate	149	15.605	15.605	0.000	1715054	5.00	
91 3,3'-Dichlorobenzidine	252	15.630	15.630	0.000	1328870	5.00	
93 Benzo[a]anthracene	228	15.716	15.716	0.000	1861421	5.00	
94 Chrysene	228	15.779	15.779	0.000	1766779	5.00	
95 Di-n-octyl phthalate	149	16.649	16.649	0.000	2455362	5.00	
97 Benzo[b]fluoranthene	252	17.529	17.529	0.000	1626287	5.00	
98 Benzo[k]fluoranthene	252	17.582	17.582	0.000	1557482	5.00	
99 Benzo[a]pyrene	252	18.197	18.197	0.000	1273753	5.00	
100 Indeno[1,2,3-cd]pyrene	276	20.948	20.948	0.000	897039	5.00	
101 Dibenz(a,h)anthracene	278	20.977	20.977	0.000	704870	5.00	
102 Benzo[g,h,i]perylene	276	21.766	21.766	0.000	747977	5.00	

Report Date: 21-Sep-2009 12:21:39 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10401.D

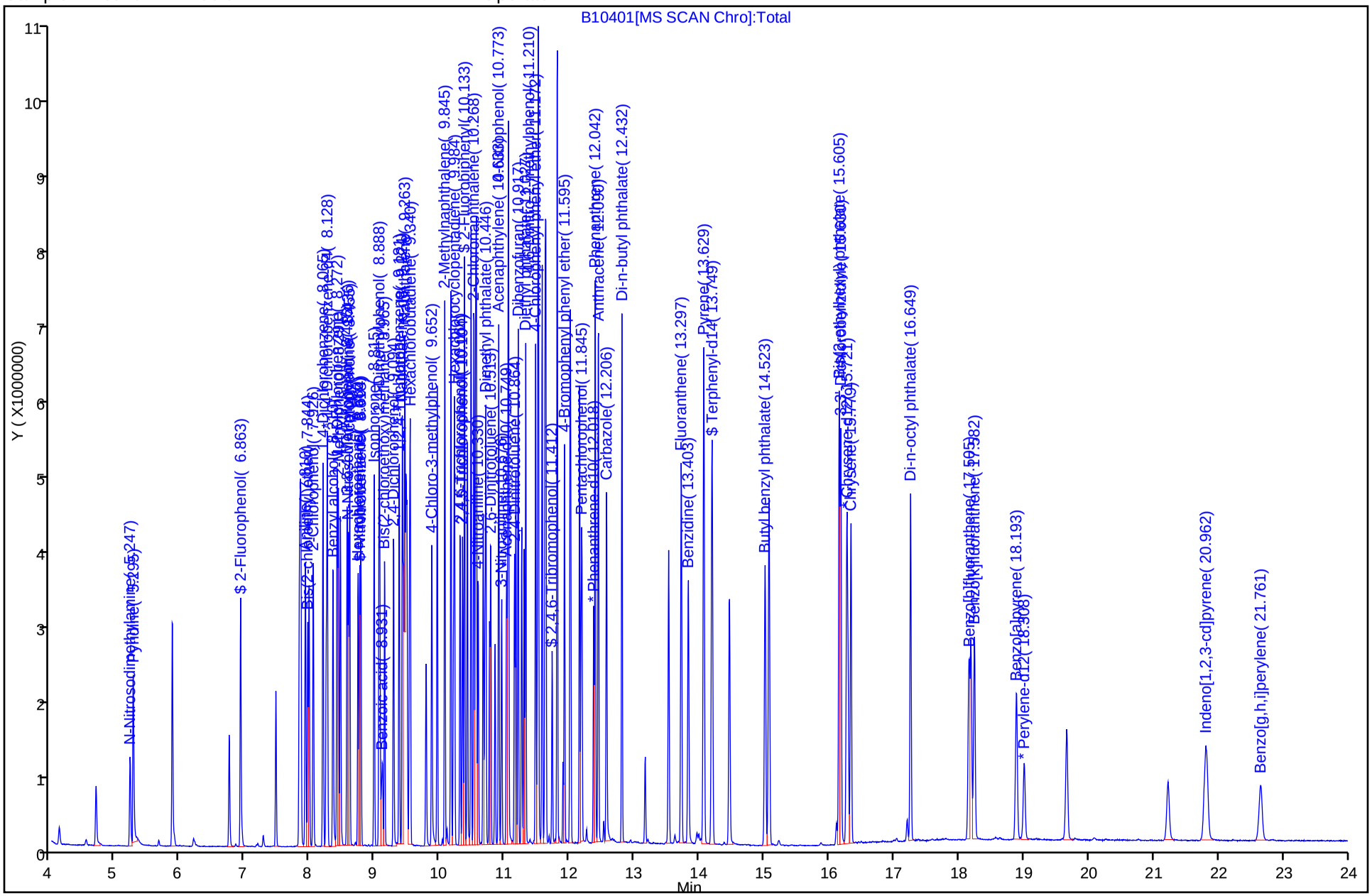
Inj Date: 18-Sep-2009 16:39:30 Limit Group: SMS - 625LL SVOA Calibration

Lims Batch ID: 49189 Lims Sample ID: 2

Client ID: Instrument: Inst. B

Sample Info: std5

Sample Amount: 2.00 uL Operator: MZ

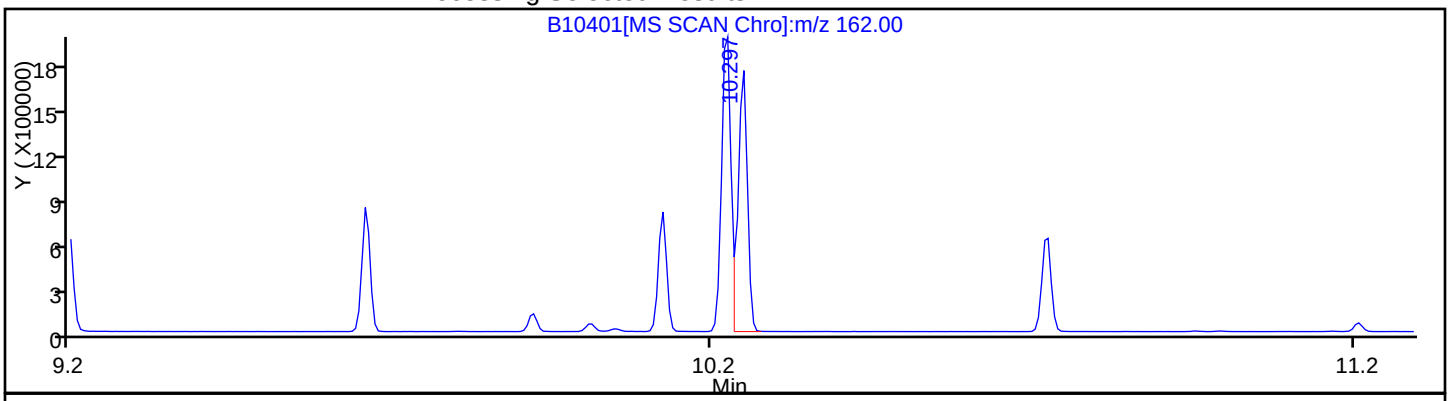


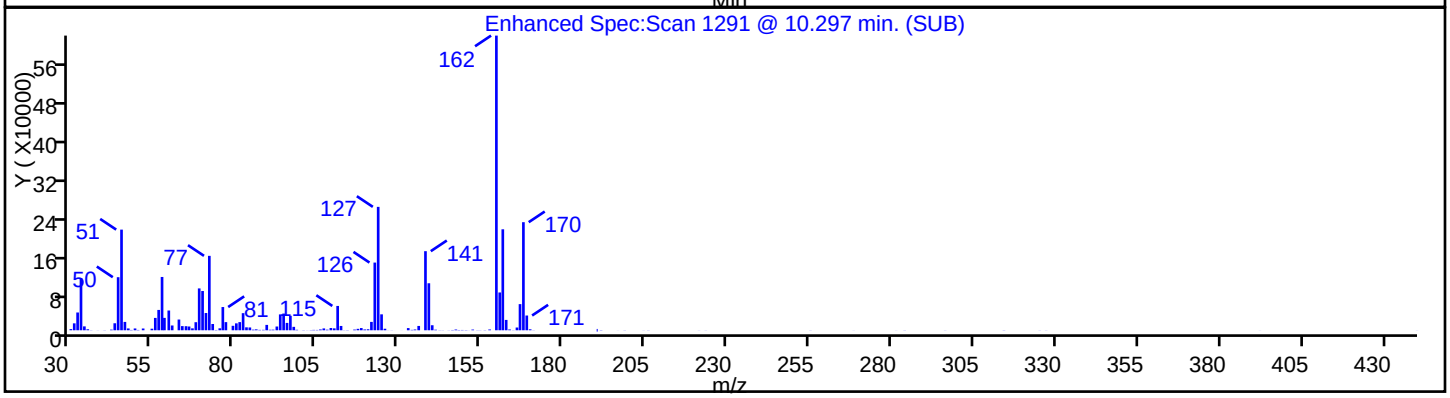
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10401.D		
Inj Date:	18-Sep-2009 16:39:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	2
Client ID:		Instrument:	Inst. B
Sample Info:	std5		
Sample Amount:	2.00 uL	Operator:	MZ

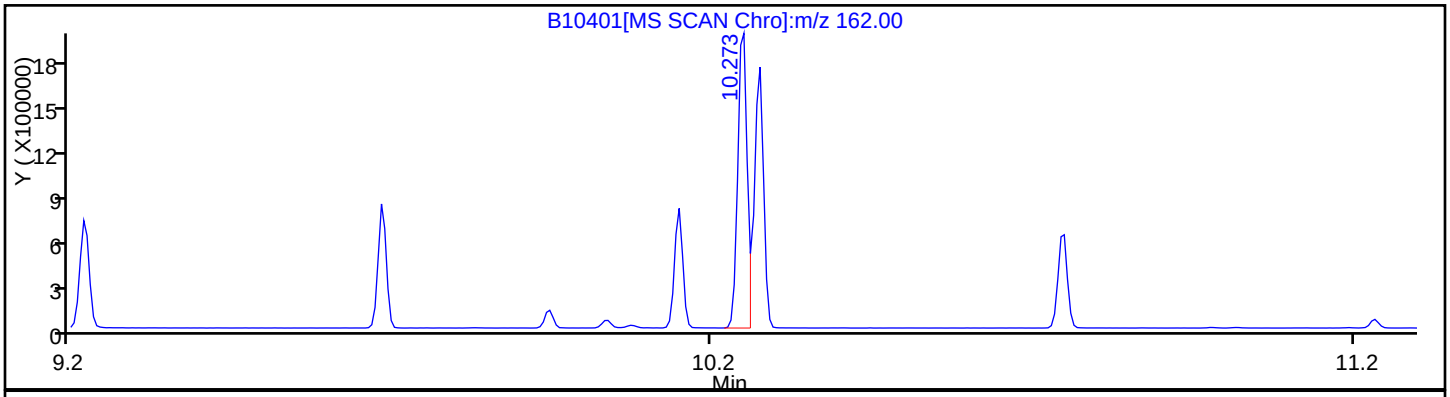
53 2-Chloronaphthalene

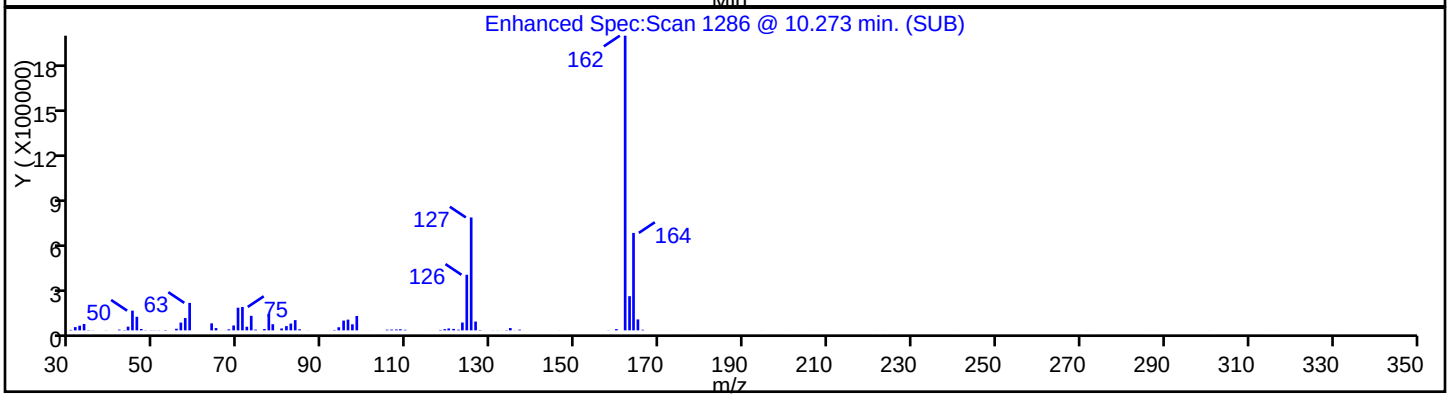
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 21-Sep-2009 12:21:38
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10402.D		
Lims ID:	STD01	Client ID:	
Inject. Date:	18-Sep-2009 17:10:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	std01		
Misc. Info.:	360-0001228-003		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	3
Lims Batch ID:	49189	Lims Sample ID:	3
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\8270B.m		
Last Update:	21-Sep-2009 12:23:36	Calib Date:	18-Sep-2009 17:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10402.D		
Limit Group:	SMS - 625LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	21-Sep-2009 12:23:36

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.109	8.113	-0.004	468658	2.00	
* 2 Naphthalene-d8	136	9.239	9.243	-0.004	1134112	2.00	
* 3 Acenaphthene-d10	164	10.744	10.749	-0.005	542576	2.00	
* 4 Phenanthrene-d10	188	12.019	12.018	0.001	863770	2.00	
* 5 Chrysene-d12	240	15.731	15.735	-0.004	612065	2.00	
* 6 Perylene-d12	264	18.309	18.308	0.001	386357	2.00	
$ 7 2-Fluorophenol	112	6.864	6.863	0.001	13176	0.1051	
$ 8 Phenol-d5	99	7.724	7.729	-0.005	15904	0	
$ 9 Nitrobenzene-d5	82	8.600	8.604	-0.004	16526	0.1085	
$ 10 2-Fluorobiphenyl	172	10.129	10.133	-0.004	35565	0.1038	
$ 11 2,4,6-Tribromophenol	330	11.408	11.417	-0.009	1724	0.1000	
$ 12 Terphenyl-d14	244	13.750	13.749	0.001	24235	0.1106	
14 1,4-Dioxane	88	4.753	4.752	0.001	11163	0	
15 N-Nitrosodimethylamine	42	5.257	5.247	0.010	10014	0.1103	
17 Benzaldehyde	105	7.720	7.719	0.001	7316	0	
18 Phenol	94	7.739	7.743	-0.004	14673	0.0996	
19 Aniline	93	7.806	7.810	-0.004	12369	0.1000	
20 Bis(2-chloroethyl)ether	93	7.840	7.844	-0.004	15760	0.1000	
21 2-Chlorophenol	128	7.922	7.926	-0.004	14626	0.1072	
22 1,4-Dichlorobenzene	146	8.066	8.065	0.001	19009	0.1000	
23 1,3-Dichlorobenzene	146	8.128	8.128	0.000	19122	0.1099	
25 1,2-Dichlorobenzene	146	8.273	8.272	0.001	18230	0.1000	
26 2-Methylphenol	108	8.287	8.291	-0.004	12864	0.1047	
27 2,2'-oxybis[1-chloropropane]	45	8.316	8.320	-0.004	28626	0	
28 3 & 4 Methylphenol	108	8.417	8.416	0.001	11427	0.0974	
29 N-Nitrosodi-n-propylamine	70	8.431	8.436	-0.005	8871	0.1017	
30 Acetophenone	105	8.455	8.455	0.000	21548	0.1000	
31 Hexachloroethane	117	8.576	8.580	-0.004	6364	0.1079	
32 Nitrobenzene	77	8.619	8.618	0.001	14985	0.1051	
33 Isophorone	82	8.811	8.815	-0.004	22457	0.0993	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
35 2,4-Dimethylphenol	107	8.883	8.883	0.000	11071	0.0995	
34 2-Nitrophenol	139	8.893	8.897	-0.004	5517	0.1000	
37 Bis(2-chloroethoxy)methane	93	8.965	8.965	0.001	16232	0.1103	
38 2,4-Dichlorophenol	162	9.095	9.099	-0.004	10418	0.1010	
39 1,2,4-Trichlorobenzene	180	9.177	9.181	-0.004	15508	0.1000	
40 Alpha-Terpineol	59	9.225	9.224	0.001	11616	0.1039	
41 Naphthalene	128	9.258	9.263	-0.005	52357	0.1000	
42 4-Chloroaniline	127	9.273	9.277	-0.004	15974	0.1000	
43 Hexachlorobutadiene	225	9.340	9.340	0.000	7147	0.1093	
44 Caprolactam	55	9.552	9.570	-0.018	4347	0	
45 4-Chloro-3-methylphenol	107	9.653	9.652	0.001	8490	0.0903	
46 2-Methylnaphthalene	142	9.845	9.845	0.000	30325	0.1105	
47 1-Methylnaphthalene	142	9.932	9.936	-0.004	30216	0	
48 Hexachlorocyclopentadiene	237	9.970	9.970	0.000	3858	0.1000	
49 1,2,4,5-Tetrachlorobenzene	216	9.985	9.989	-0.004	12815	0	
50 2,4,6-Trichlorophenol	196	10.066	10.071	-0.005	5667	0.1000	
51 2,4,5-Trichlorophenol	196	10.100	10.104	-0.004	7210	0.0913	
52 1,1'-Biphenyl	154	10.225	10.229	-0.004	39519	0	
53 2-Chloronaphthalene	162	10.268	10.273	-0.004	32898	0.1007	
54 Phenyl ether	170	10.307	10.306	0.001	21324	0	
68 4-Nitroaniline	138	10.331	10.335	-0.004	6644	0.1000	
56 Dimethyl phthalate	163	10.441	10.446	-0.005	33757	0.1030	
57 2,6-Dinitrotoluene	165	10.514	10.518	-0.004	5668	0.1000	
58 Acenaphthylene	152	10.629	10.633	-0.004	37165	0.0925	
59 3-Nitroaniline	138	10.672	10.676	-0.004	5603	0.1000	
61 Acenaphthene	153	10.773	10.777	-0.004	29797	0.0999	
63 2,4-Dinitrotoluene	165	10.860	10.864	-0.004	5648	0.1000	
64 Dibenzofuran	168	10.913	10.917	-0.004	42745	0.1057	
65 2,3,4,6-Tetrachlorophenol	232	11.004	11.003	0.001	3240	0	
66 Diethyl phthalate	149	11.023	11.027	-0.004	36212	0.1062	
67 4-Chlorophenyl phenyl ether	204	11.172	11.172	0.000	15254	0.1030	
55 2-Nitroaniline	65	11.192	11.196	-0.004	4977	0.1000	
69 Fluorene	166	11.206	11.210	-0.004	34205	0.1014	
71 Diphenylamine	169	11.264	11.268	-0.004	25672	0	
72 N-Nitrosodiphenylamine	169	11.264	11.268	-0.004	25672	0.1001	
73 1,2-Diphenylhydrazine	77	11.307	11.311	-0.004	45820	0.0977	
74 Azobenzene	77	11.307	11.311	-0.004	45820	0	
13 Benzophenone	105	11.317	11.321	-0.004	28843	0	
75 4-Bromophenyl phenyl ether	248	11.591	11.595	-0.004	8079	0.1073	
77 Atrazine	200	11.672	11.677	-0.005	7942	0	
76 Hexachlorobenzene	284	11.682	11.686	-0.004	6846	0.1024	
79 Pentachloronitrobenzene	237	11.846	11.850	-0.004	2245	0	
80 Phenanthrene	178	12.038	12.042	-0.004	47308	0.1082	
81 Anthracene	178	12.086	12.090	-0.004	37384	0.0964	
83 Carbazole	167	12.206	12.206	0.000	36515	0.1093	
84 Di-n-butyl phthalate	149	12.427	12.432	-0.005	59940	0.1000	
87 Fluoranthene	202	13.298	13.297	0.001	36072	0.0975	
85 Pyrene	202	13.625	13.629	-0.004	38073	0.1070	
89 Butyl benzyl phthalate	149	14.519	14.523	-0.004	13767	0.0935	
92 Bis(2-ethylhexyl) phthalate	149	15.601	15.605	-0.004	21650	0.0983	
91 3,3'-Dichlorobenzidine	252	15.620	15.630	-0.010	7820	0.1000	
93 Benzo[a]anthracene	228	15.712	15.716	-0.004	25277	0.1019	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
94 Chrysene	228	15.770	15.779	-0.009	26924	0.1077	
95 Di-n-octyl phthalate	149	16.645	16.649	-0.004	18072	0.1000	
97 Benzo[b]fluoranthene	252	17.515	17.515	0.000	20942	0.1039	M
98 Benzo[k]fluoranthene	252	17.573	17.573	0.000	17397	0.0968	M
99 Benzo[a]pyrene	252	18.193	18.197	-0.004	11019	0.1000	
100 Indeno[1,2,3-cd]pyrene	276	20.939	20.939	0.000	8446	0.1000	M
101 Dibenz(a,h)anthracene	278	20.977	20.977	0.000	6510	0.1000	M
102 Benzo[g,h,i]perylene	276	21.737	21.766	-0.029	9565	0.1035	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 21-Sep-2009 12:23:37 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10402.D

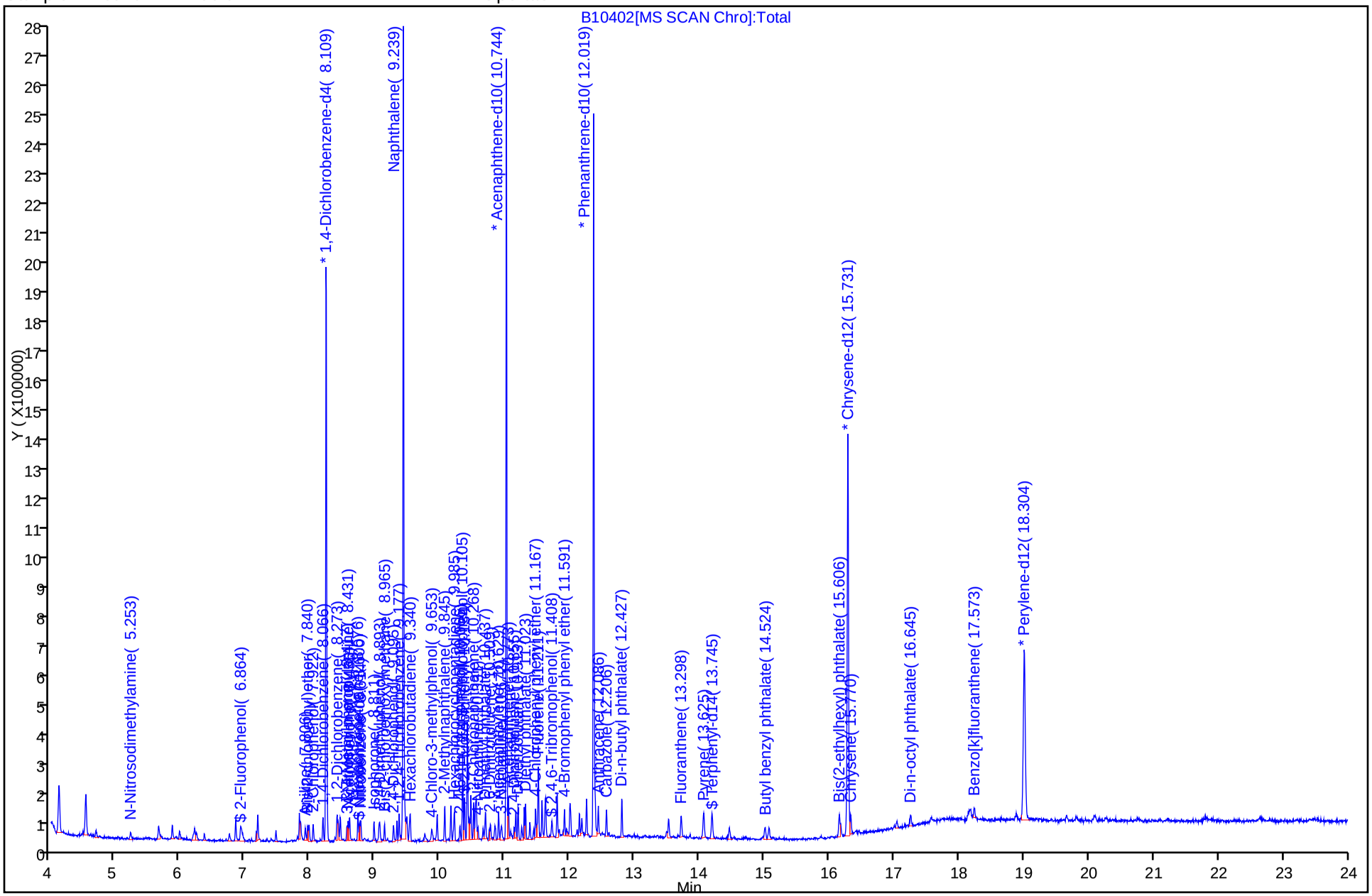
Inj Date: 18-Sep-2009 17:10:30 Limit Group: SMS - 625LL SVOA Calibration

Lims Batch ID: 49189 Lims Sample ID: 3

Client ID: Instrument: Inst. B

Sample Info: std01

Sample Amount: 2.00 uL Operator: MZ



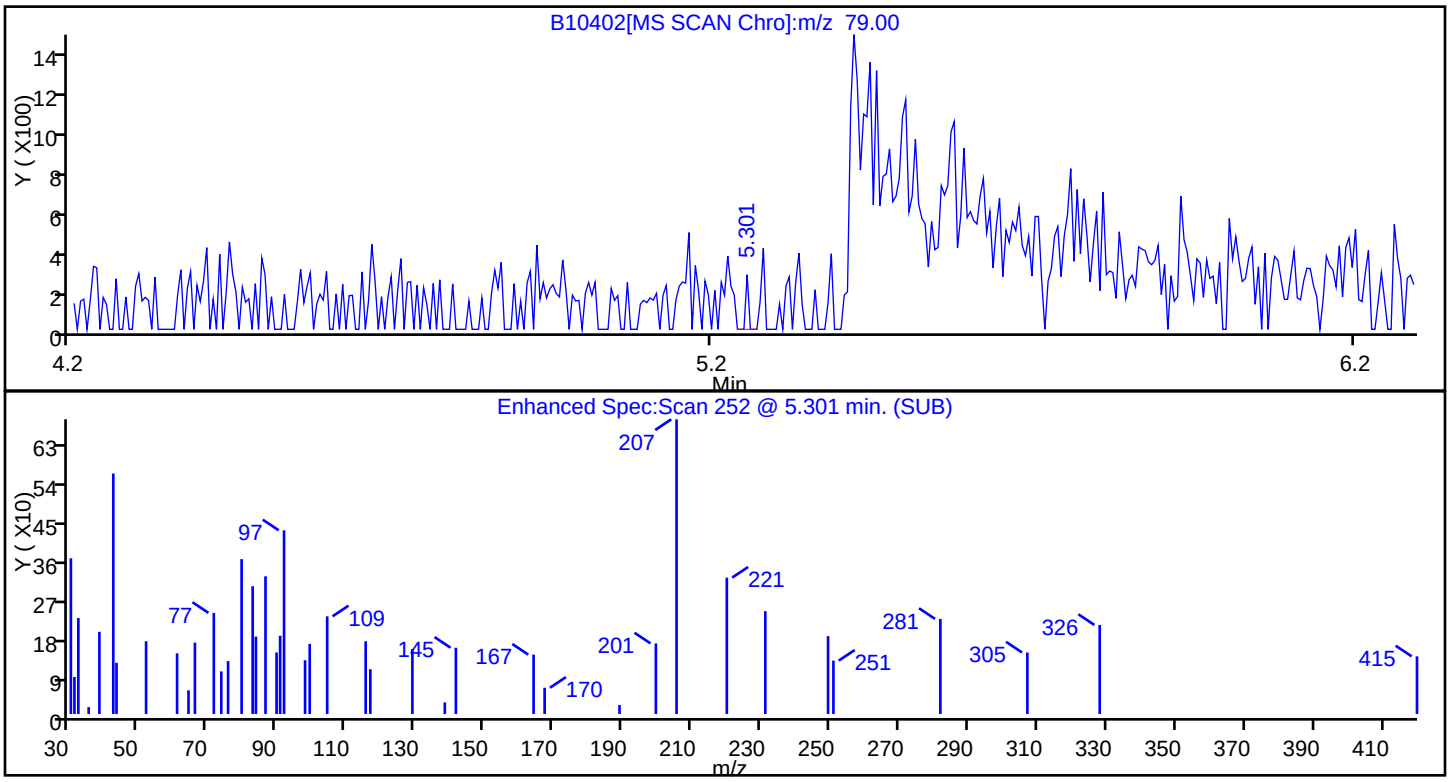
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10402.D		
Inj Date:	18-Sep-2009 17:10:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

16 Pyridine

Processing Results



RT	Mass	Response	Amount
5.30	79.00	77	0.100000
5.29	52.00	230	
5.32	51.00	2479	

Reviewer: sullivanp, 21-Sep-2009 12:23:36
Audit Action: Marked Compound Undetected
Audit Reason:

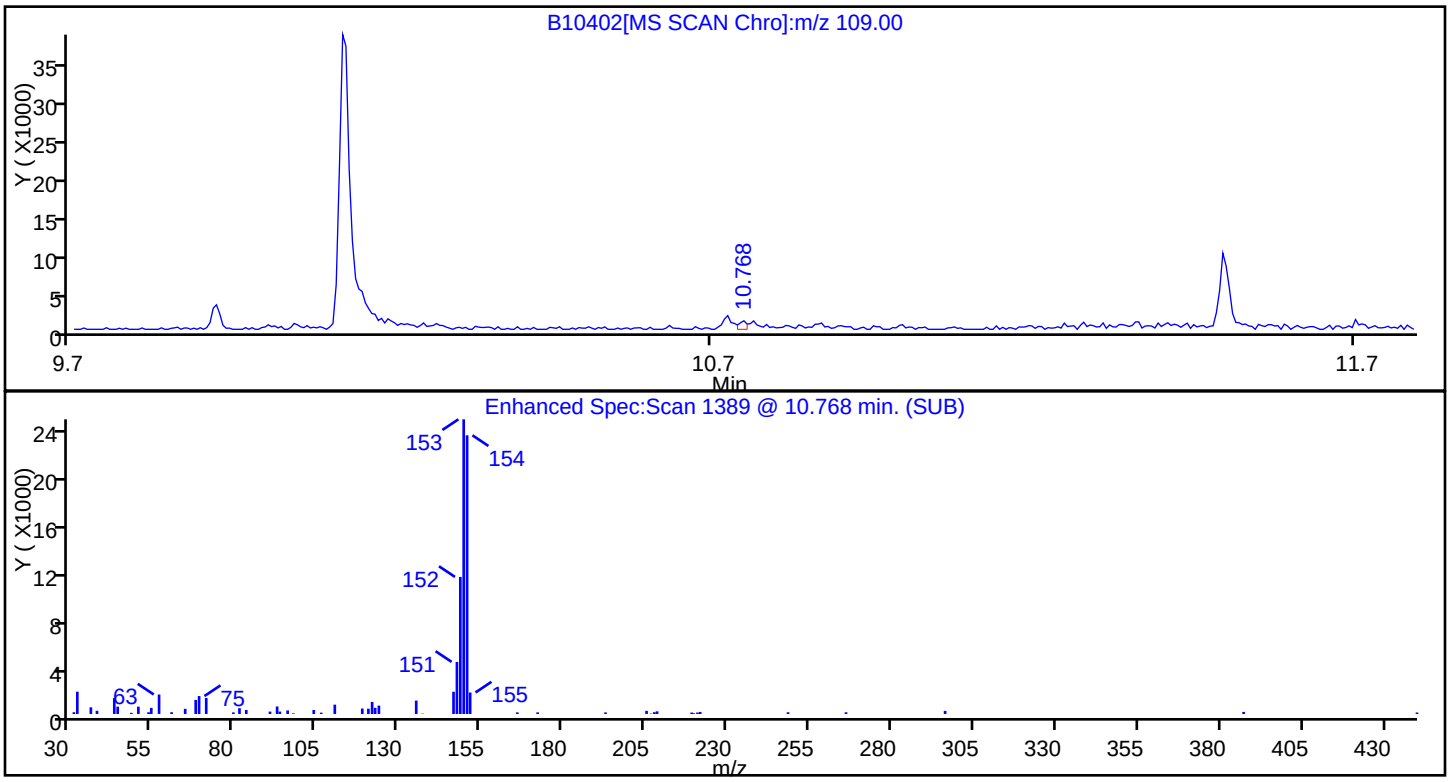
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10402.D		
Inj Date:	18-Sep-2009 17:10:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

62 4-Nitrophenol

Processing Results



RT	Mass	Response	Amount
10.77	109.00	936	0.100000
10.77	139.00	2446	
10.78	64.00	1320	

Reviewer: sullivanp, 21-Sep-2009 12:23:36
Audit Action: Marked Compound Undetected
Audit Reason:

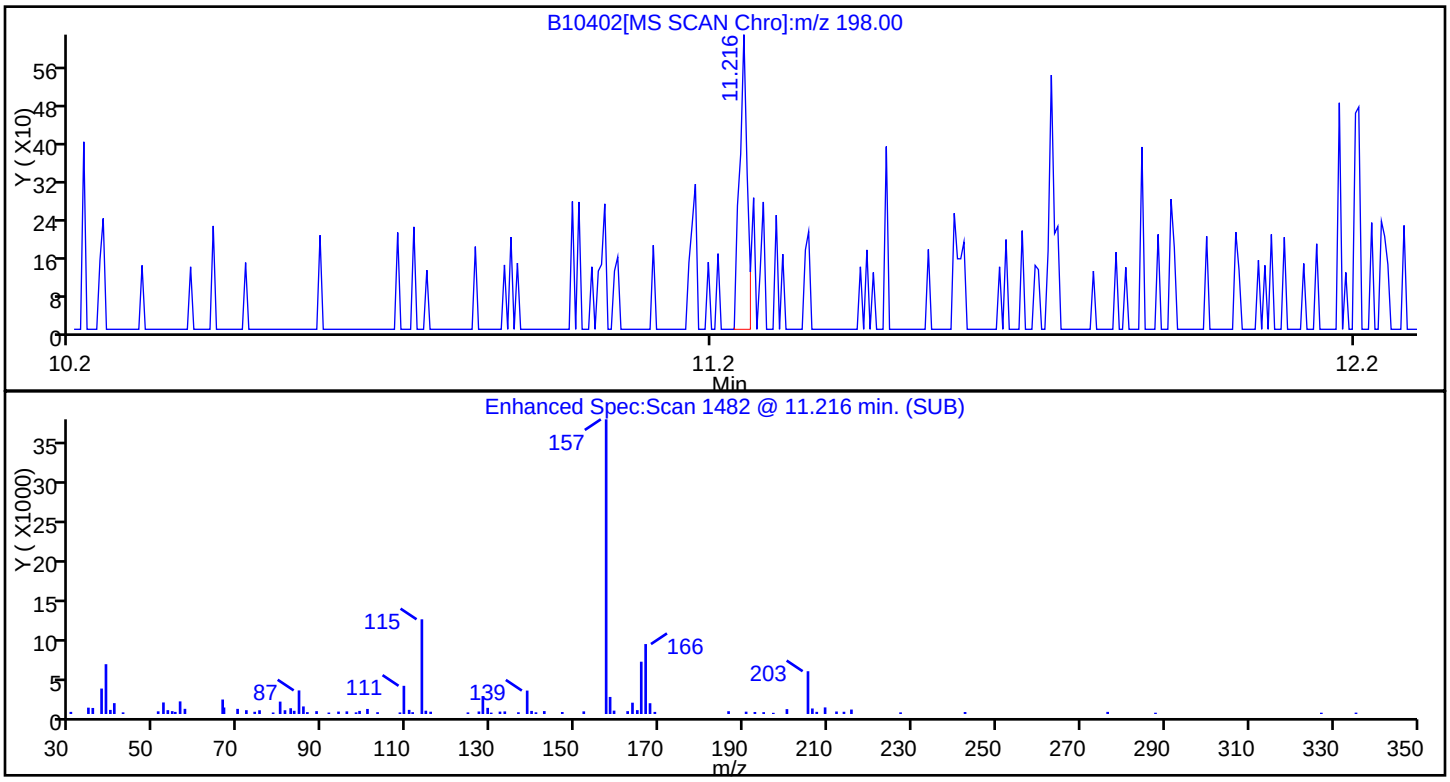
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10402.D		
Inj Date:	18-Sep-2009 17:10:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

70 4,6-Dinitro-2-methylphenol

Processing Results



RT	Mass	Response	Amount
11.22	198.00	495	0.100000
11.21	121.00	250	
11.22	105.00	261	

Reviewer: sullivanp, 21-Sep-2009 12:23:36
Audit Action: Marked Compound Undetected
Audit Reason:

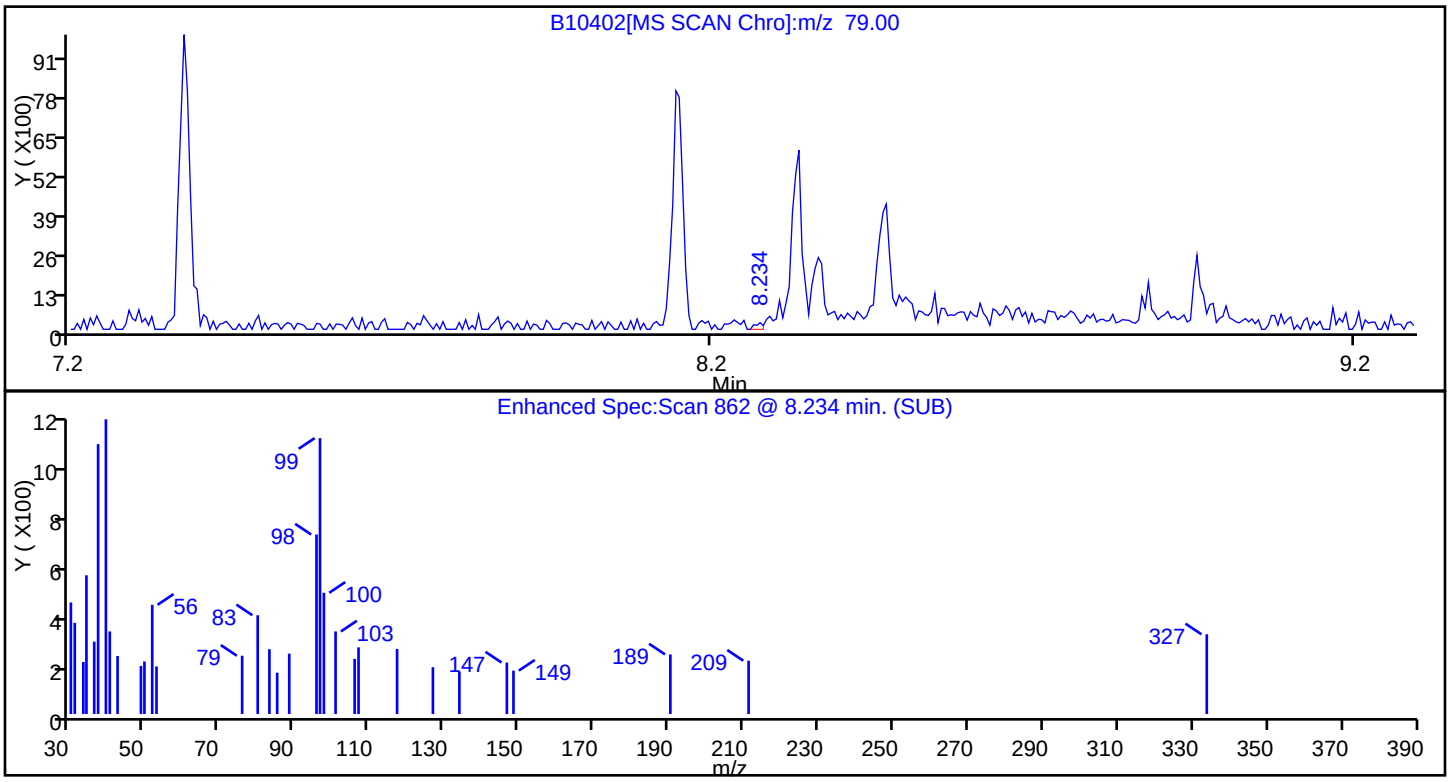
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10402.D		
Inj Date:	18-Sep-2009 17:10:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

24 Benzyl alcohol

Processing Results



RT	Mass	Response	Amount
8.23	79.00	182	0.100000
8.23	108.00	61	
8.24	77.00	414	

Reviewer: sullivanp, 21-Sep-2009 12:23:36
Audit Action: Marked Compound Undetected
Audit Reason:

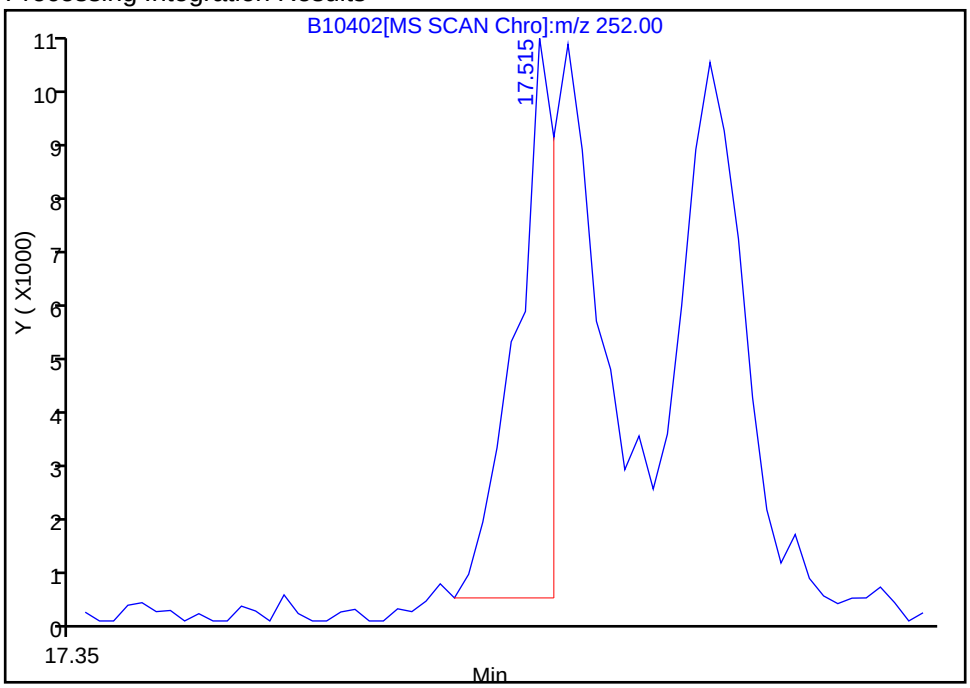
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10402.D		
Inj Date:	18-Sep-2009 17:10:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

97 Benzo[b]fluoranthene, Number: 1, m/z: 252 Type: quant, RT: 17.52

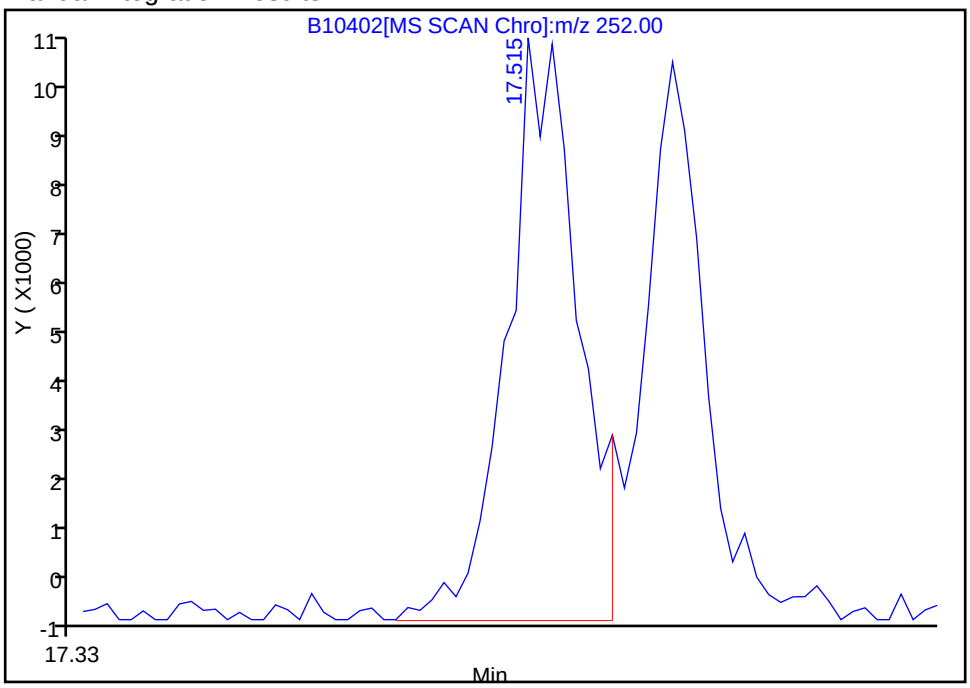
Processing Integration Results

RT: 17.52
Response: 9423
Amount: 0.100000



Manual Integration Results

RT: 17.52
Response: 20942
Amount: 0.103860



Reviewer: sullivanp, 21-Sep-2009 12:23:36
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

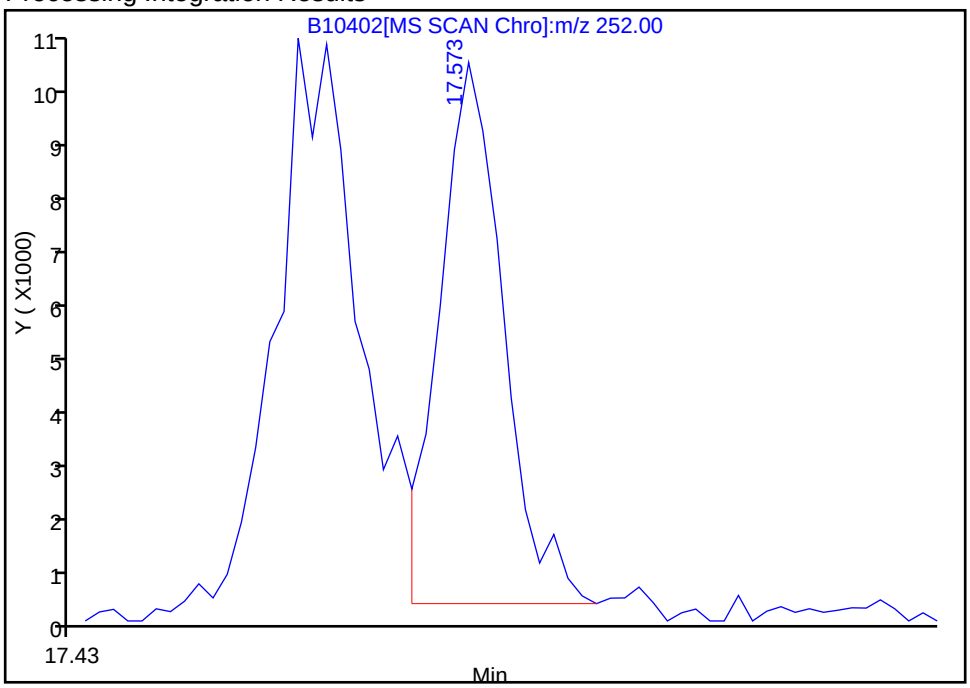
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10402.D		
Inj Date:	18-Sep-2009 17:10:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

98 Benzo[k]fluoranthene, Number: 1, m/z: 252 Type: quant, RT: 17.57

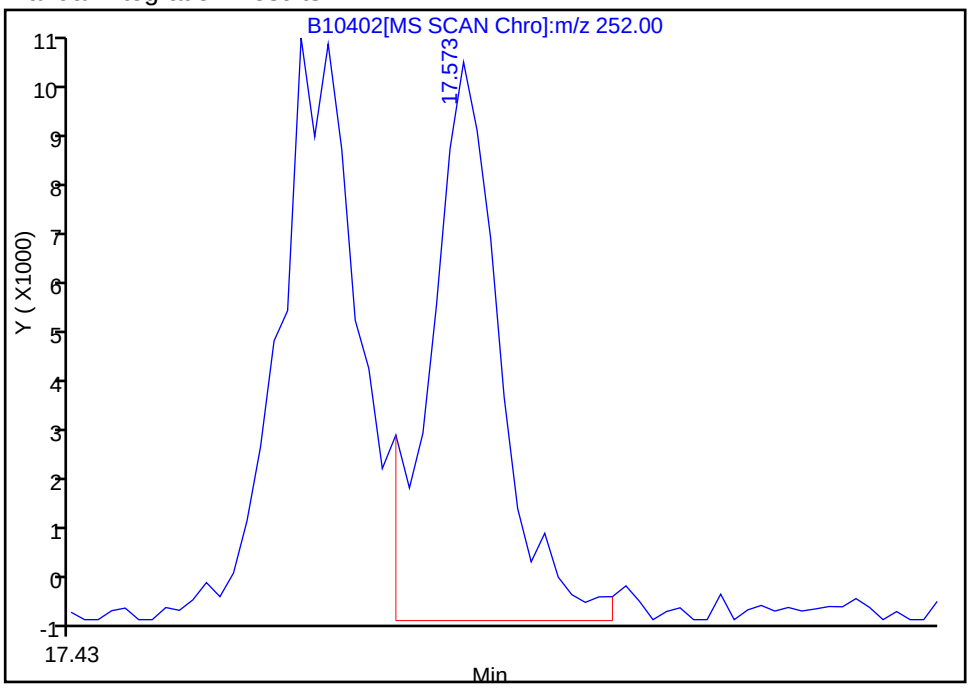
Processing Integration Results

RT: 17.57
Response: 14849
Amount: 0.100000



Manual Integration Results

RT: 17.57
Response: 17397
Amount: 0.096752



Reviewer: sullivanp, 21-Sep-2009 12:23:36
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

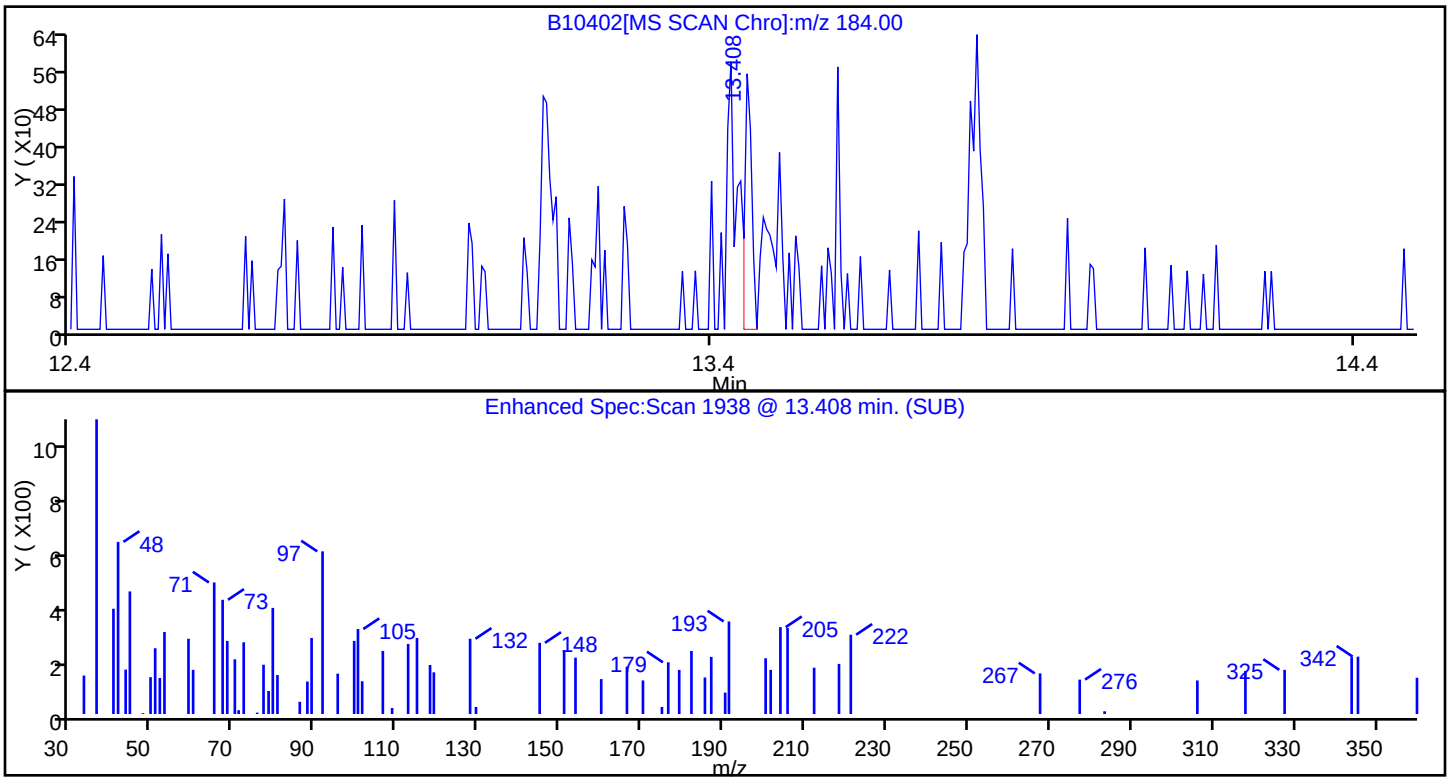
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10402.D		
Inj Date:	18-Sep-2009 17:10:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

86 Benzidine

Processing Results



RT	Mass	Response	Amount
13.41	184.00	388	0.100000
13.40	92.00	153	
13.41	156.00	157	

Reviewer: sullivanp, 21-Sep-2009 12:23:36
Audit Action: Marked Compound Undetected
Audit Reason:

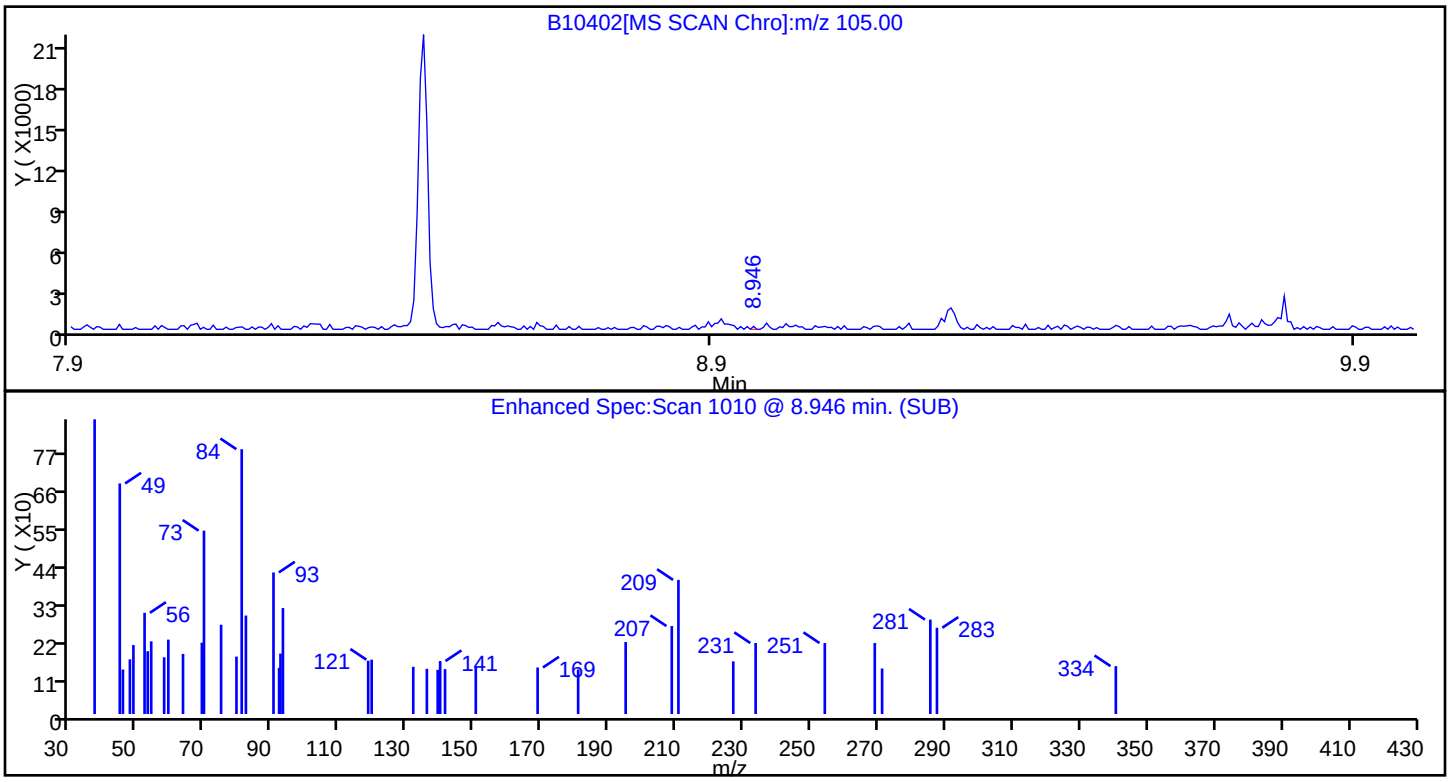
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10402.D		
Inj Date:	18-Sep-2009 17:10:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
8.95	105.00	62	0.100000
8.95	122.00	120	
8.95	77.00	318	

Reviewer: sullivanp, 21-Sep-2009 12:23:36
Audit Action: Marked Compound Undetected
Audit Reason:

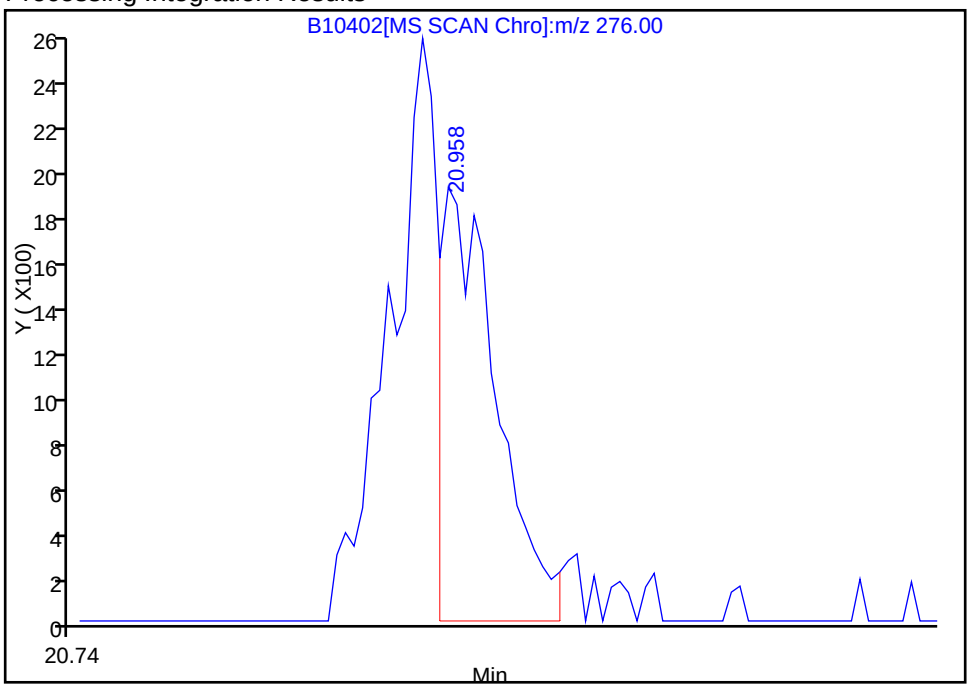
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10402.D		
Inj Date:	18-Sep-2009 17:10:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

100 Indeno[1,2,3-cd]pyrene, Number: 1, m/z: 276 Type: quant, RT: 20.94

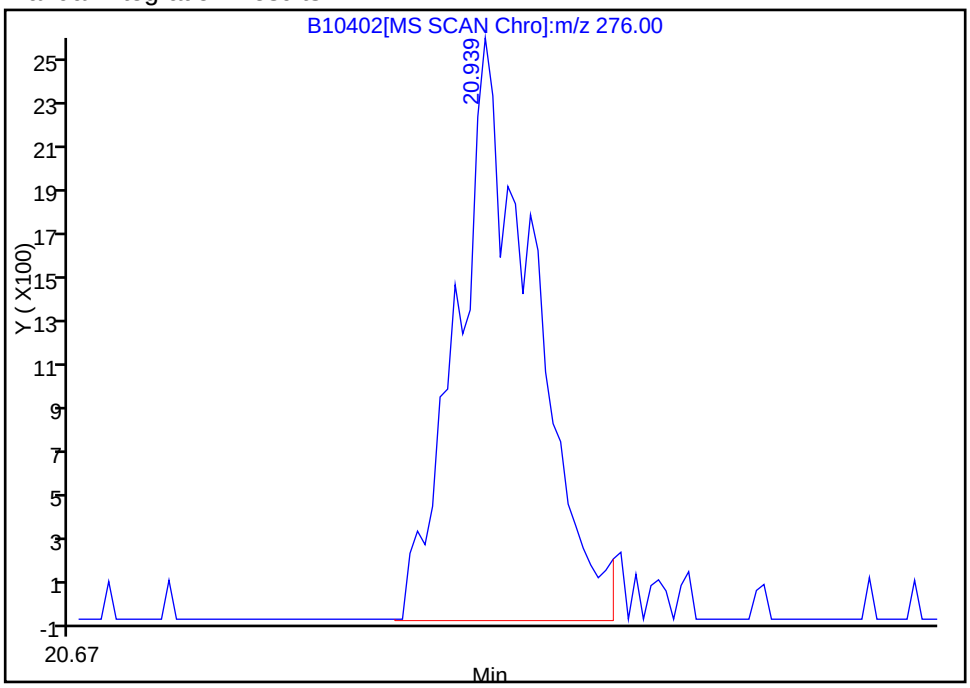
Processing Integration Results

RT: 20.96
Response: 4175
Amount: 0.100000



Manual Integration Results

RT: 20.94
Response: 8446
Amount: 0.100000



Reviewer: sullivanp, 21-Sep-2009 12:23:36
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

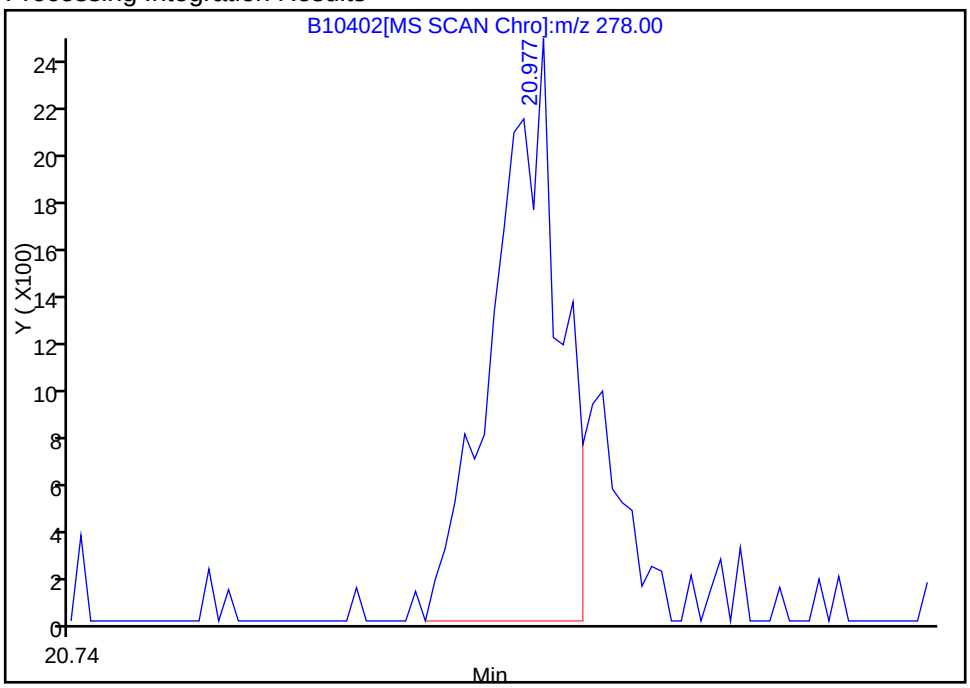
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10402.D		
Inj Date:	18-Sep-2009 17:10:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

101 Dibenz(a,h)anthracene, Number: 1, m/z: 278 Type: quant, RT: 20.98

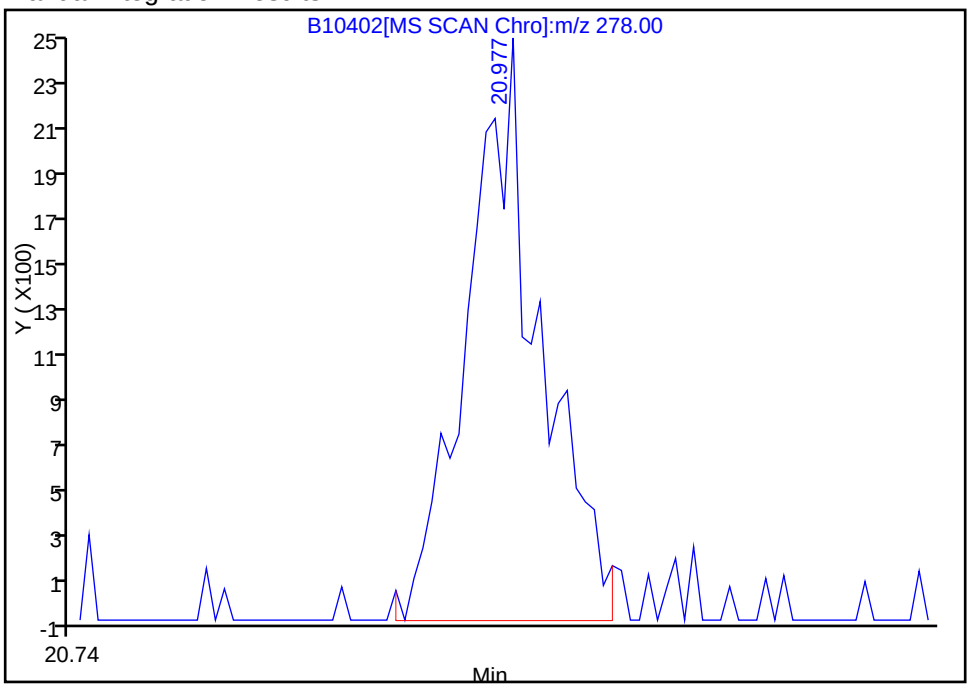
Processing Integration Results

RT: 20.98
Response: 5390
Amount: 0.100000



Manual Integration Results

RT: 20.98
Response: 6510
Amount: 0.100000



Reviewer: sullivanp, 21-Sep-2009 12:23:36
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10403.D		
Lims ID:	STD025	Client ID:	
Inject. Date:	18-Sep-2009 17:41:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	std025		
Misc. Info.:	360-0001228-004		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	4
Lims Batch ID:	49189	Lims Sample ID:	4
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\8270B.m		
Last Update:	21-Sep-2009 12:25:28	Calib Date:	18-Sep-2009 17:41:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10403.D		
Limit Group:	SMS - 625LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 21-Sep-2009 12:25:26

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.113	8.113	0.000	521147	2.00	
* 2 Naphthalene-d8	136	9.239	9.243	-0.004	1243274	2.00	
* 3 Acenaphthene-d10	164	10.744	10.749	-0.005	597806	2.00	
* 4 Phenanthrene-d10	188	12.018	12.018	0.000	968247	2.00	
* 5 Chrysene-d12	240	15.731	15.735	-0.004	711557	2.00	
* 6 Perylene-d12	264	18.308	18.308	0.000	437487	2.00	
$ 7 2-Fluorophenol	112	6.858	6.863	-0.005	35843	0.2548	
$ 8 Phenol-d5	99	7.729	7.729	0.000	42556	0	
$ 9 Nitrobenzene-d5	82	8.599	8.604	-0.005	43423	0.2566	
$ 10 2-Fluorobiphenyl	172	10.133	10.133	0.000	94272	0.2499	
$ 11 2,4,6-Tribromophenol	330	11.412	11.417	-0.005	5775	0.2383	
$ 12 Terphenyl-d14	244	13.745	13.749	-0.004	63650	0.2498	
14 1,4-Dioxane	88	4.752	4.752	0.000	19692	0	
15 N-Nitrosodimethylamine	42	5.247	5.247	0.000	24861	0.2475	
16 Pyridine	79	5.339	5.339	0.000	36623	0.2500	M
17 Benzaldehyde	105	7.719	7.719	0.000	19165	0	
18 Phenol	94	7.738	7.743	-0.005	45452	0.2677	
19 Aniline	93	7.806	7.810	-0.004	43562	0.2539	
20 Bis(2-chloroethyl)ether	93	7.839	7.844	-0.005	40177	0.2587	
21 2-Chlorophenol	128	7.921	7.926	-0.005	40368	0.2605	
22 1,4-Dichlorobenzene	146	8.065	8.065	0.000	51966	0.2662	
23 1,3-Dichlorobenzene	146	8.128	8.128	0.000	54530	0.2703	
24 Benzyl alcohol	79	8.219	8.210	0.009	5623	0.2500	
25 1,2-Dichlorobenzene	146	8.272	8.272	0.000	52697	0.2767	
26 2-Methylphenol	108	8.287	8.291	-0.004	39651	0.2754	
27 2,2'-oxybis[1-chloropropane]	45	8.320	8.320	0.000	75288	0	
28 3 & 4 Methylphenol	108	8.416	8.416	0.000	41582	0.2920	
29 N-Nitrosodi-n-propylamine	70	8.431	8.436	-0.005	25839	0.2607	
30 Acetophenone	105	8.455	8.455	0.000	55005	0.2545	
31 Hexachloroethane	117	8.575	8.580	-0.005	17531	0.2612	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.618	8.618	0.000	41914	0.2618	
33 Isophorone	82	8.811	8.815	-0.004	66345	0.2615	
35 2,4-Dimethylphenol	107	8.883	8.883	0.000	34428	0.2705	
34 2-Nitrophenol	139	8.892	8.897	-0.005	18455	0.2640	
37 Bis(2-chloroethoxy)methane	93	8.965	8.965	0.001	45148	0.2691	
38 2,4-Dichlorophenol	162	9.094	9.099	-0.005	28658	0.2523	
39 1,2,4-Trichlorobenzene	180	9.176	9.181	-0.005	40115	0.2628	
40 Alpha-Terpineol	59	9.224	9.224	0.000	30025	0.2466	
41 Naphthalene	128	9.258	9.263	-0.005	135756	0.2628	
42 4-Chloroaniline	127	9.272	9.277	-0.005	58236	0.2775	
43 Hexachlorobutadiene	225	9.340	9.340	0.000	20019	0.2688	
44 Caprolactam	55	9.551	9.570	-0.019	14089	0	
45 4-Chloro-3-methylphenol	107	9.652	9.652	0.000	29705	0.2743	
46 2-Methylnaphthalene	142	9.845	9.845	0.000	85062	0.2708	
47 1-Methylnaphthalene	142	9.931	9.936	-0.005	82736	0	
48 Hexachlorocyclopentadiene	237	9.970	9.970	0.000	9895	0.2144	
49 1,2,4,5-Tetrachlorobenzene	216	9.984	9.989	-0.005	35242	0	
50 2,4,6-Trichlorophenol	196	10.066	10.071	-0.005	18635	0.2438	
51 2,4,5-Trichlorophenol	196	10.099	10.104	-0.005	19580	0.2327	
52 1,1'-Biphenyl	154	10.224	10.229	-0.005	104391	0	
53 2-Chloronaphthalene	162	10.268	10.273	-0.004	97794	0.2641	
54 Phenyl ether	170	10.306	10.306	0.000	54893	0	
68 4-Nitroaniline	138	10.330	10.335	-0.005	19788	0.2268	
56 Dimethyl phthalate	163	10.441	10.446	-0.005	87513	0.2448	
57 2,6-Dinitrotoluene	165	10.513	10.518	-0.005	18946	0.2572	
58 Acenaphthylene	152	10.628	10.633	-0.005	114811	0.2561	
59 3-Nitroaniline	138	10.672	10.676	-0.004	17289	0.2444	
61 Acenaphthene	153	10.773	10.777	-0.004	83998	0.2537	
63 2,4-Dinitrotoluene	165	10.859	10.864	-0.005	20628	0.2405	
64 Dibenzofuran	168	10.912	10.917	-0.005	114005	0.2539	
65 2,3,4,6-Tetrachlorophenol	232	11.004	11.003	0.001	12575	0	
66 Diethyl phthalate	149	11.023	11.027	-0.004	91096	0.2450	
67 4-Chlorophenyl phenyl ether	204	11.172	11.172	0.000	40053	0.2470	
55 2-Nitroaniline	65	11.191	11.196	-0.005	16069	0.2221	
69 Fluorene	166	11.210	11.210	0.000	87036	0.2391	
71 Diphenylamine	169	11.263	11.268	-0.005	71786	0	
72 N-Nitrosodiphenylamine	169	11.263	11.268	-0.005	71786	0.2498	
73 1,2-Diphenylhydrazine	77	11.306	11.311	-0.005	128868	0.2468	
74 Azobenzene	77	11.306	11.311	-0.005	128868	0	
13 Benzophenone	105	11.316	11.321	-0.005	81500	0	
75 4-Bromophenyl phenyl ether	248	11.590	11.595	-0.005	21434	0.2526	
77 Atrazine	200	11.672	11.677	-0.005	19672	0	
76 Hexachlorobenzene	284	11.682	11.686	-0.004	19423	0.2560	
79 Pentachloronitrobenzene	237	11.845	11.850	-0.005	7883	0	
80 Phenanthrene	178	12.037	12.042	-0.005	126858	0.2558	
81 Anthracene	178	12.085	12.090	-0.005	112990	0.2565	
83 Carbazole	167	12.206	12.206	0.000	98979	0.2593	
84 Di-n-butyl phthalate	149	12.432	12.432	0.000	143373	0.2423	
87 Fluoranthene	202	13.297	13.297	0.000	108351	0.2575	
85 Pyrene	202	13.624	13.629	-0.005	110502	0.2612	
89 Butyl benzyl phthalate	149	14.519	14.523	-0.004	40348	0.2403	
92 Bis(2-ethylhexyl) phthalate	149	15.606	15.605	0.001	57769	0.2331	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
91 3,3'-Dichlorobenzidine	252	15.625	15.630	-0.005	34963	0.2341	
93 Benzo[a]anthracene	228	15.716	15.716	0.000	73662	0.2536	
94 Chrysene	228	15.774	15.779	-0.005	75495	0.2563	
95 Di-n-octyl phthalate	149	16.649	16.649	0.000	60640	0.2295	
97 Benzo[b]fluoranthene	252	17.524	17.515	0.009	57950	0.2525	
98 Benzo[k]fluoranthene	252	17.572	17.573	-0.001	51601	0.2523	
99 Benzo[a]pyrene	252	18.193	18.197	-0.004	35304	0.2379	
100 Indeno[1,2,3-cd]pyrene	276	20.953	20.953	0.000	22355	0.2178	M
101 Dibenz(a,h)anthracene	278	20.967	20.967	0.000	15585	0.2040	M
102 Benzo[g,h,i]perylene	276	21.756	21.766	-0.010	20051	0.2078	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 21-Sep-2009 12:25:29 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10403.D

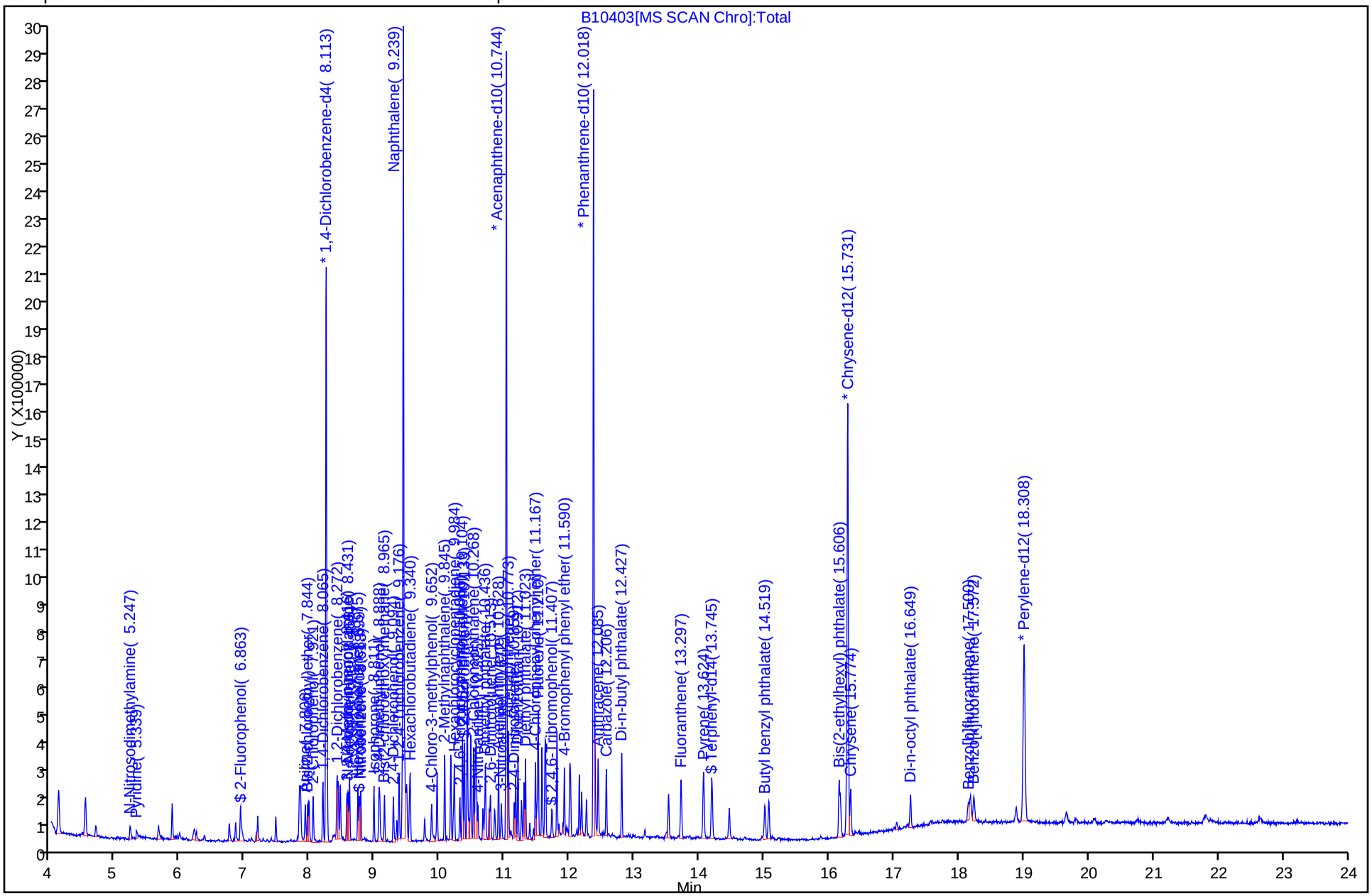
Inj Date: 18-Sep-2009 17:41:30 Limit Group: SMS - 625LL SVOA Calibration

Lims Batch ID: 49189 Lims Sample ID: 4

Client ID: Instrument: Inst. B

Sample Info: std025

Sample Amount: 2.00 uL Operator: MZ



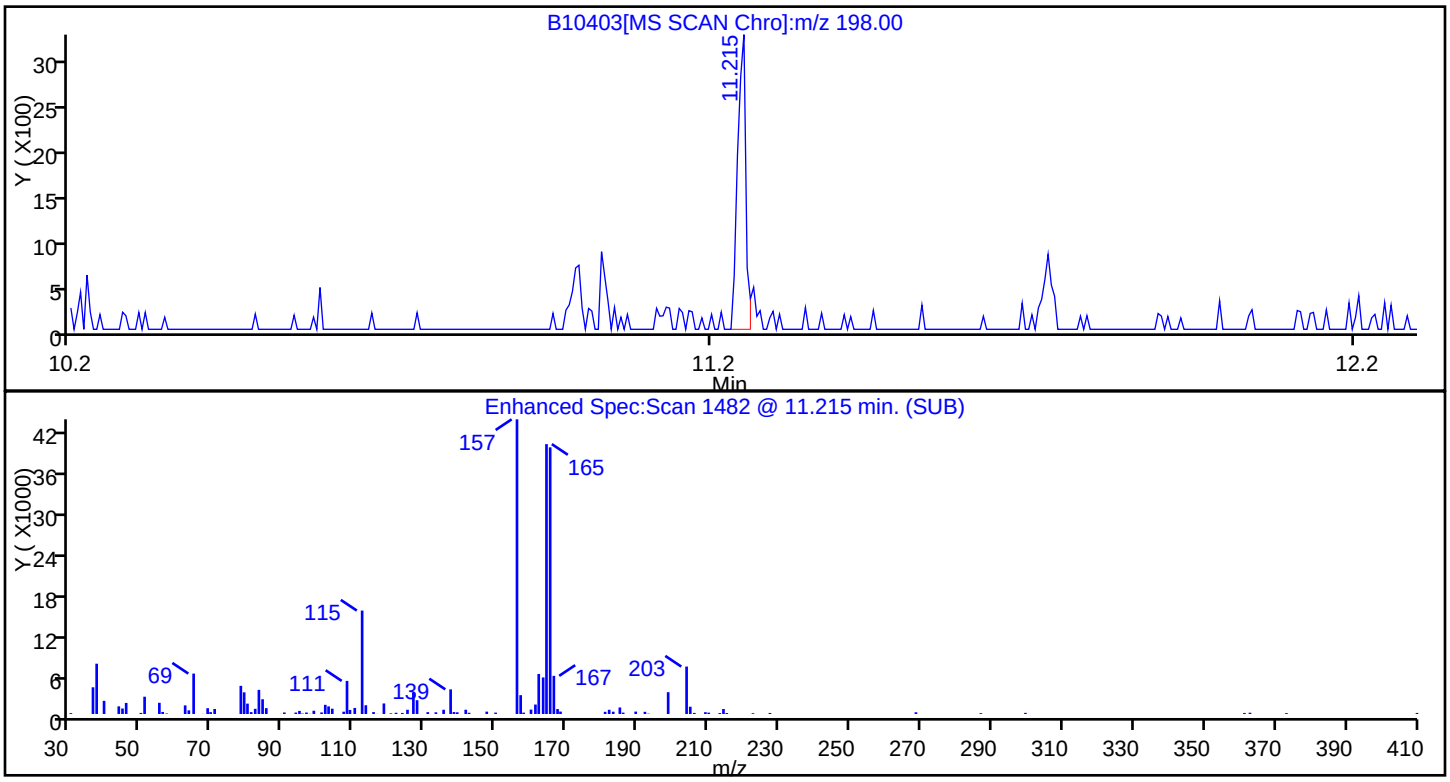
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10403.D		
Inj Date:	18-Sep-2009 17:41:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

70 4,6-Dinitro-2-methylphenol

Processing Results



RT	Mass	Response	Amount
11.22	198.00	2723	0.250000
11.21	121.00	1756	
11.21	105.00	2034	

Reviewer: sullivanp, 21-Sep-2009 12:25:26
Audit Action: Marked Compound Undetected
Audit Reason:

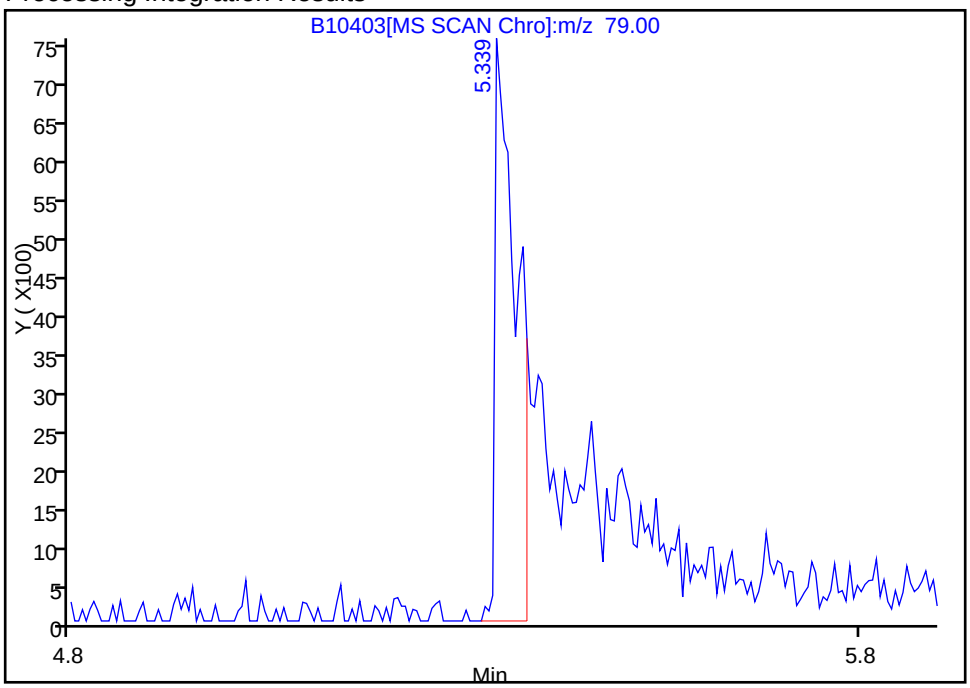
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10403.D		
Inj Date:	18-Sep-2009 17:41:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

16 Pyridine, Number: 1, m/z: 79 Type: quant, RT: 5.34

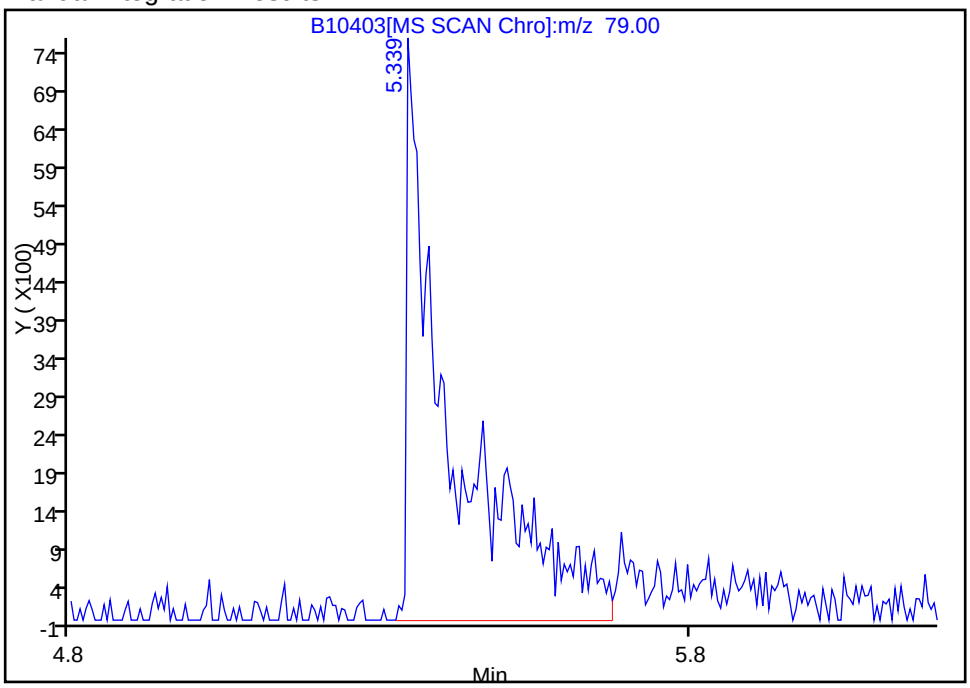
Processing Integration Results

RT: 5.34
Response: 14120
Amount: 0.250000



Manual Integration Results

RT: 5.34
Response: 36623
Amount: 0.250000



Reviewer: sullivanp, 21-Sep-2009 12:25:26
Audit Action: Manually Integrated
Audit Reason: Peak Tail

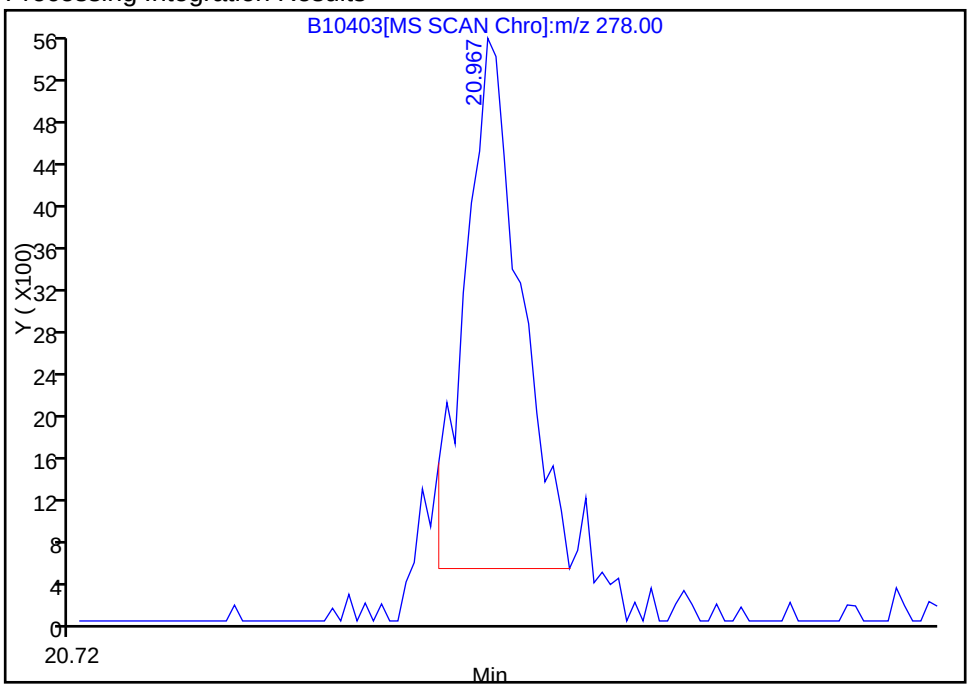
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10403.D		
Inj Date:	18-Sep-2009 17:41:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

101 Dibenz(a,h)anthracene, Number: 1, m/z: 278 Type: quant, RT: 20.97

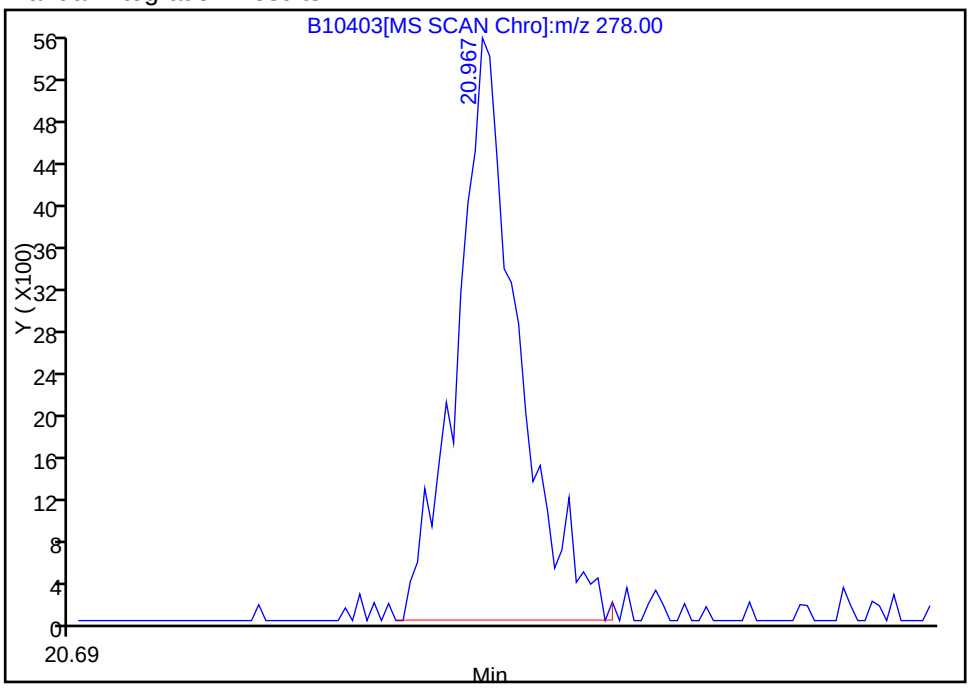
Processing Integration Results

RT: 20.97
Response: 11287
Amount: 0.171538



Manual Integration Results

RT: 20.97
Response: 15585
Amount: 0.203967



Reviewer: sullivanp, 21-Sep-2009 12:25:26
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

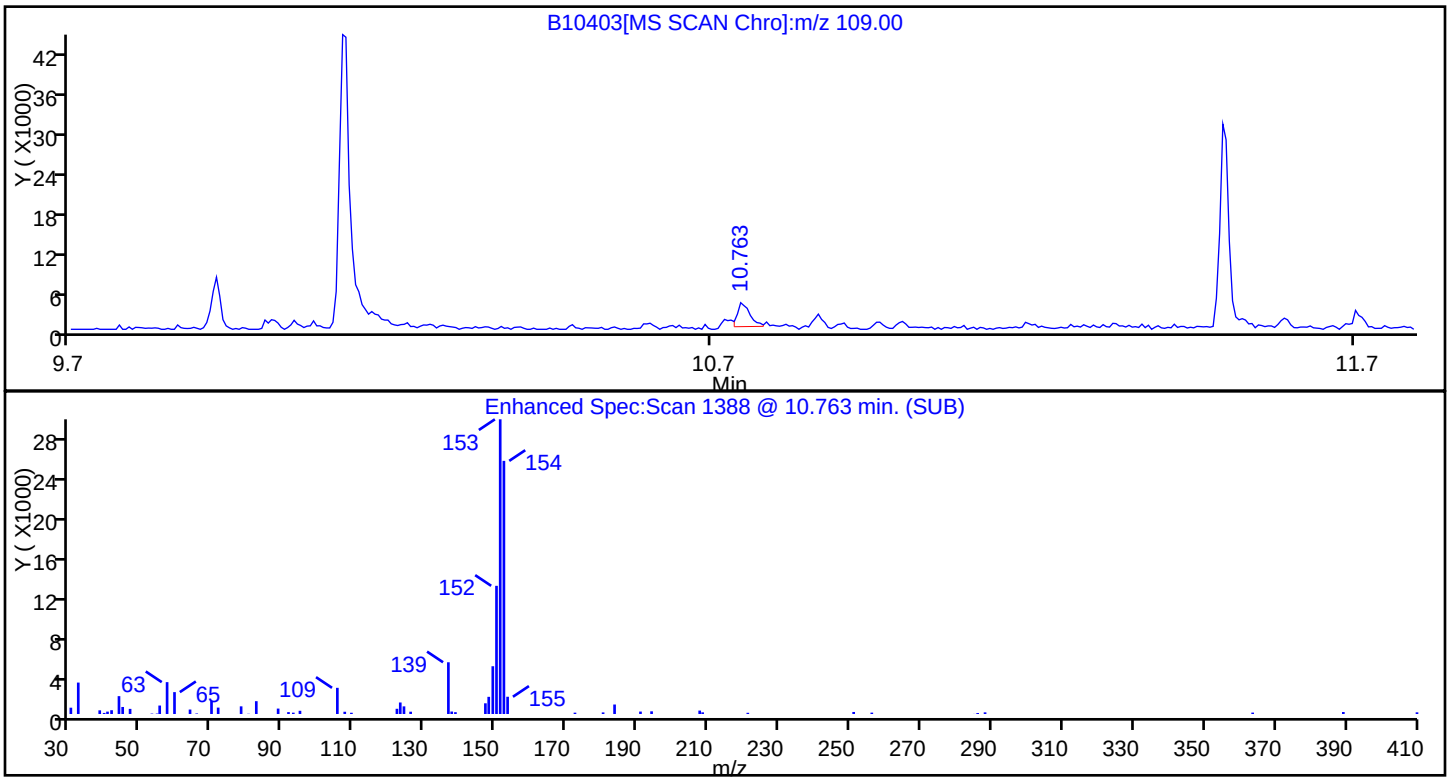
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10403.D		
Inj Date:	18-Sep-2009 17:41:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

62 4-Nitrophenol

Processing Results



RT	Mass	Response	Amount
10.76	109.00	4643	0.250000
10.77	139.00	9025	
10.77	64.00	3917	

Reviewer: sullivanp, 21-Sep-2009 12:25:26
Audit Action: Marked Compound Undetected
Audit Reason:

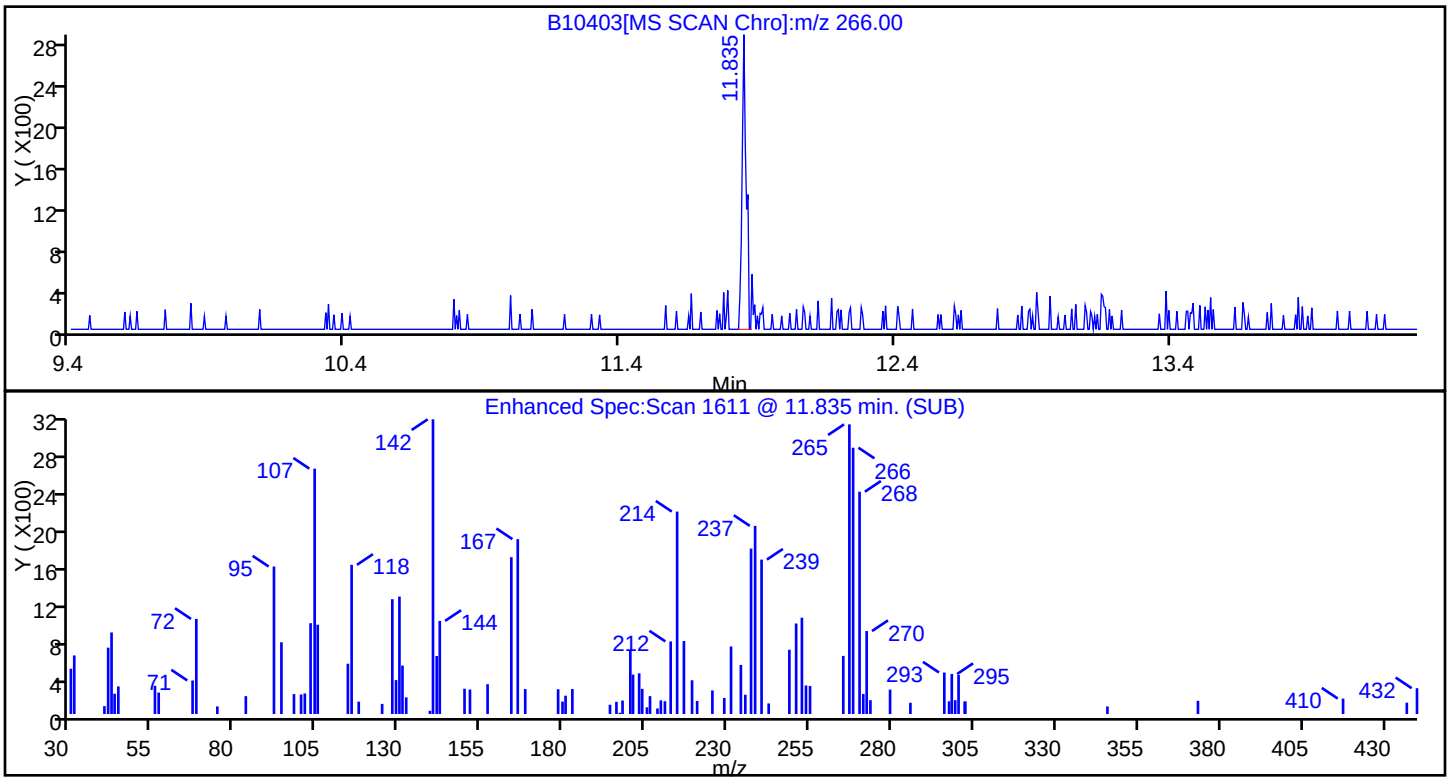
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10403.D		
Inj Date:	18-Sep-2009 17:41:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

78 Pentachlorophenol

Processing Results



RT	Mass	Response	Amount
11.84	266.00	2931	0.250000
11.84	264.00	2485	
11.84	268.00	1314	

Reviewer: sullivanp, 21-Sep-2009 12:25:26
Audit Action: Marked Compound Undetected
Audit Reason:

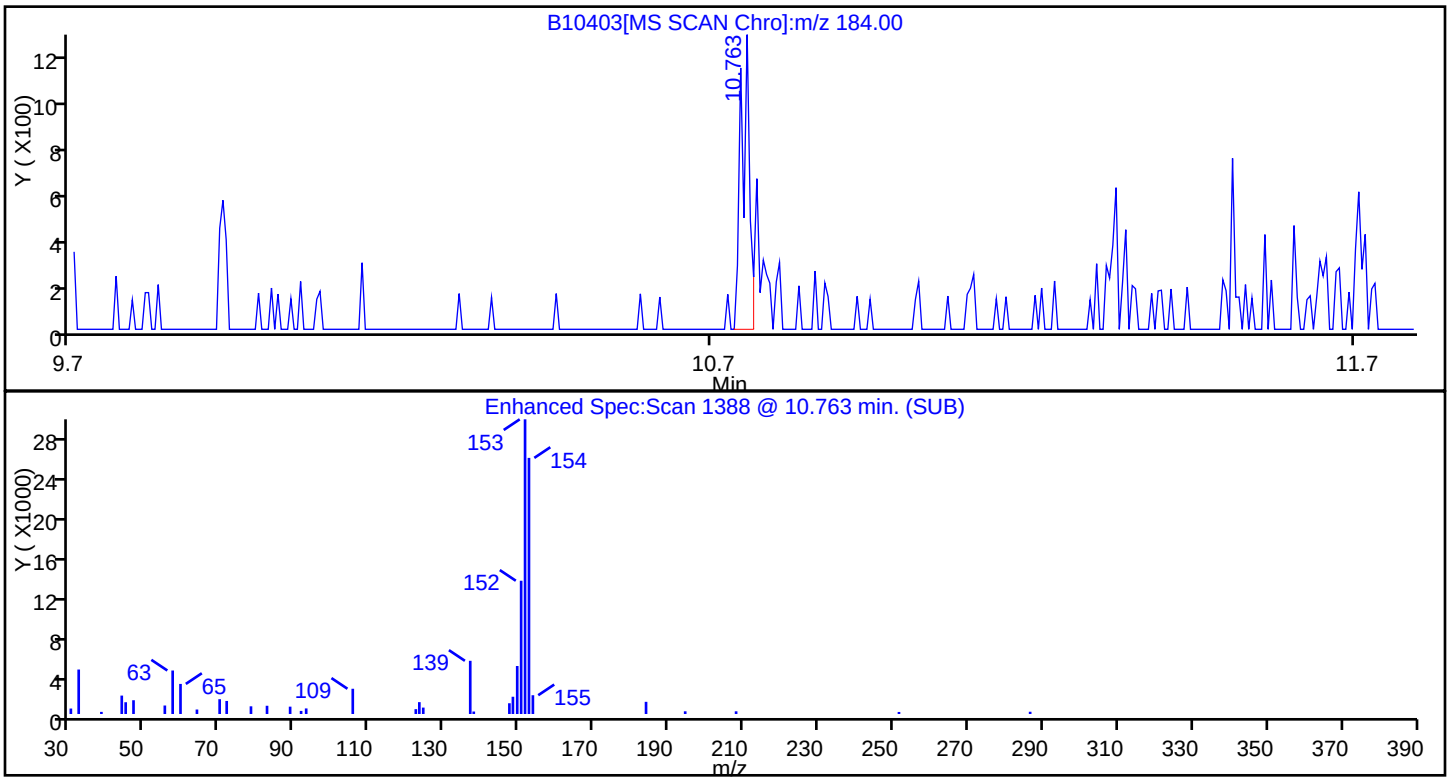
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10403.D		
Inj Date:	18-Sep-2009 17:41:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
10.76	184.00	1059	0.250000
10.77	63.00	12471	
10.77	154.00	79811	

Reviewer: sullivanp, 21-Sep-2009 12:25:26
Audit Action: Marked Compound Undetected
Audit Reason:

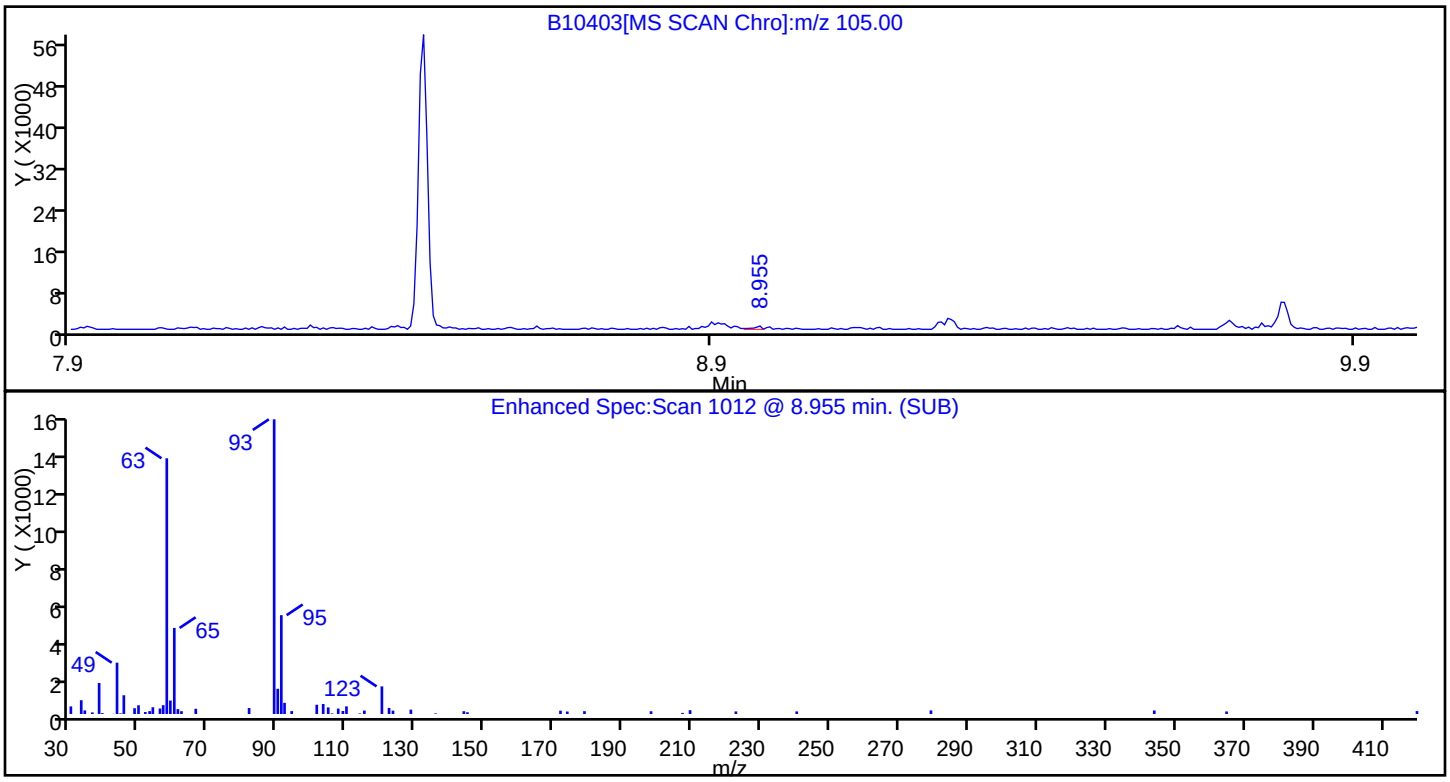
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10403.D		
Inj Date:	18-Sep-2009 17:41:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
8.95	105.00	527	0.250000
8.95	122.00	762	
8.94	77.00	538	

Reviewer: sullivanp, 21-Sep-2009 12:25:26
Audit Action: Marked Compound Undetected
Audit Reason:

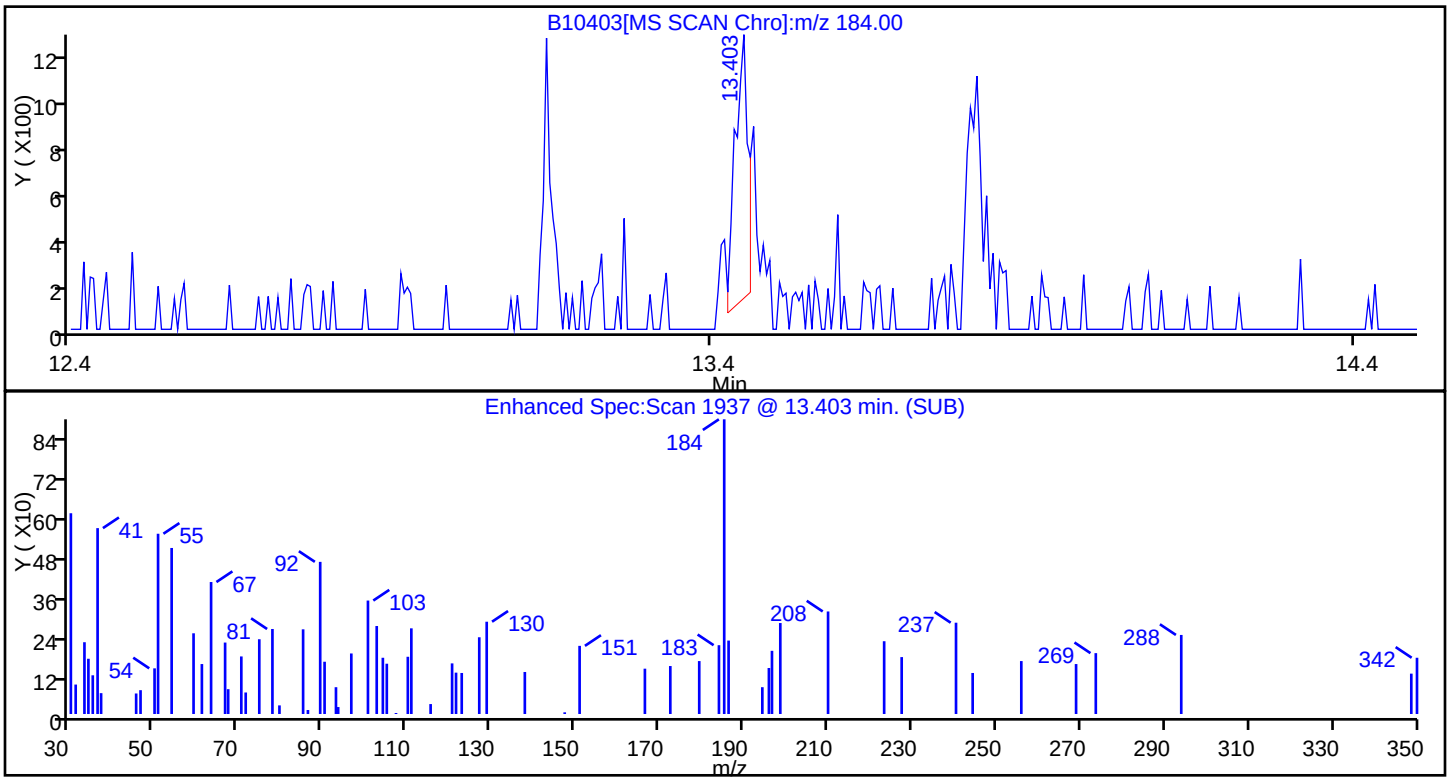
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10403.D		
Inj Date:	18-Sep-2009 17:41:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

86 Benzidine

Processing Results



RT	Mass	Response	Amount
13.40	184.00	1533	0.250000
13.40	92.00	510	

Reviewer: sullivanp, 21-Sep-2009 12:25:26
Audit Action: Marked Compound Undetected
Audit Reason:

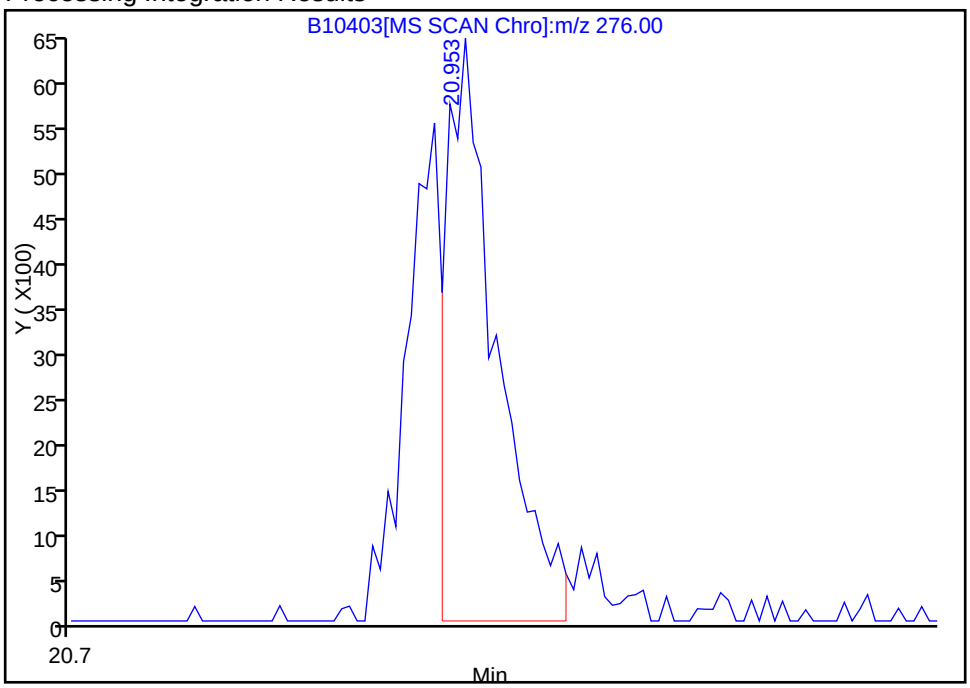
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10403.D		
Inj Date:	18-Sep-2009 17:41:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

100 Indeno[1,2,3-cd]pyrene, Number: 1, m/z: 276 Type: quant, RT: 20.95

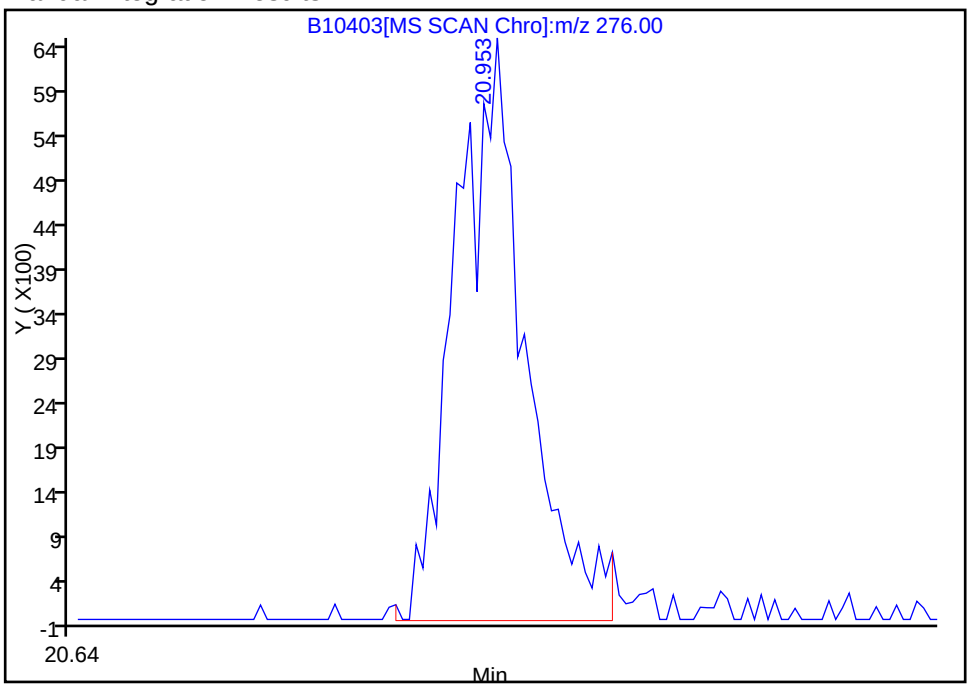
Processing Integration Results

RT: 20.95
Response: 14199
Amount: 0.169482



Manual Integration Results

RT: 20.95
Response: 22355
Amount: 0.217825



Reviewer: sullivanp, 21-Sep-2009 12:25:26
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10404.D		
Lims ID:	STD05	Client ID:	
Inject. Date:	18-Sep-2009 18:12:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	std05		
Misc. Info.:	360-0001228-005		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	5
Lims Batch ID:	49189	Lims Sample ID:	5
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\8270B.m		
Last Update:	21-Sep-2009 12:26:40	Calib Date:	18-Sep-2009 18:12:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10404.D		
Limit Group:	SMS - 625LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	21-Sep-2009 12:26:40

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.114	8.113	0.001	538778	2.00	
* 2 Naphthalene-d8	136	9.239	9.243	-0.004	1284864	2.00	
* 3 Acenaphthene-d10	164	10.744	10.749	-0.005	613713	2.00	
* 4 Phenanthrene-d10	188	12.019	12.018	0.001	1004741	2.00	
* 5 Chrysene-d12	240	15.731	15.735	-0.004	739067	2.00	
* 6 Perylene-d12	264	18.309	18.308	0.001	416146	2.00	
$ 7 2-Fluorophenol	112	6.864	6.863	0.001	81872	0.5457	
$ 8 Phenol-d5	99	7.729	7.729	0.000	92361	0	
$ 9 Nitrobenzene-d5	82	8.600	8.604	-0.004	95176	0.5324	
$ 10 2-Fluorobiphenyl	172	10.134	10.133	0.001	203154	0.5182	
$ 11 2,4,6-Tribromophenol	330	11.413	11.417	-0.004	13014	0.4853	
$ 12 Terphenyl-d14	244	13.750	13.749	0.001	142895	0.5294	
14 1,4-Dioxane	88	4.757	4.752	0.005	36046	0	
15 N-Nitrosodimethylamine	42	5.253	5.247	0.006	57428	0.5387	
16 Pyridine	79	5.320	5.339	-0.019	65251	0.4884	
17 Benzaldehyde	105	7.720	7.719	0.001	41097	0	
18 Phenol	94	7.739	7.743	-0.004	98289	0.5437	
19 Aniline	93	7.806	7.810	-0.004	103309	0.5298	
20 Bis(2-chloroethyl)ether	93	7.840	7.844	-0.004	87346	0.5322	
21 2-Chlorophenol	128	7.922	7.926	-0.004	83294	0.5147	
22 1,4-Dichlorobenzene	146	8.066	8.065	0.001	110472	0.5347	
23 1,3-Dichlorobenzene	146	8.128	8.128	0.000	114717	0.5366	
24 Benzyl alcohol	79	8.210	8.210	0.000	31850	0.4795	
25 1,2-Dichlorobenzene	146	8.273	8.272	0.001	106876	0.5314	
26 2-Methylphenol	108	8.287	8.291	-0.004	76159	0.5087	
27 2,2'-oxybis[1-chloropropane]	45	8.321	8.320	0.001	158886	0	
28 3 & 4 Methylphenol	108	8.417	8.416	0.001	85733	0.5594	
29 N-Nitrosodi-n-propylamine	70	8.436	8.436	0.000	54894	0.5263	
30 Acetophenone	105	8.455	8.455	0.000	122966	0.5368	
31 Hexachloroethane	117	8.580	8.580	0.000	37200	0.5266	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.619	8.618	0.001	95495	0.5558	
33 Isophorone	82	8.811	8.815	-0.004	148402	0.5479	
35 2,4-Dimethylphenol	107	8.883	8.883	0.000	72860	0.5394	
34 2-Nitrophenol	139	8.893	8.897	-0.004	43079	0.5689	
36 Benzoic acid	105	8.898	8.931	-0.033	6258	0.5000	
37 Bis(2-chloroethoxy)methane	93	8.965	8.965	0.001	94106	0.5314	
38 2,4-Dichlorophenol	162	9.095	9.099	-0.004	63337	0.5292	
39 1,2,4-Trichlorobenzene	180	9.177	9.181	-0.004	86721	0.5364	
40 Alpha-Terpineol	59	9.225	9.224	0.001	71529	0.5496	
41 Naphthalene	128	9.258	9.263	-0.005	285792	0.5261	
42 4-Chloroaniline	127	9.278	9.277	0.001	128337	0.5657	
43 Hexachlorobutadiene	225	9.340	9.340	0.000	42109	0.5345	
44 Caprolactam	55	9.552	9.570	-0.018	29663	0	
45 4-Chloro-3-methylphenol	107	9.653	9.652	0.001	60467	0.5296	
46 2-Methylnaphthalene	142	9.845	9.845	0.000	173542	0.5256	
47 1-Methylnaphthalene	142	9.932	9.936	-0.004	179784	0	
48 Hexachlorocyclopentadiene	237	9.970	9.970	0.000	21885	0.4298	
49 1,2,4,5-Tetrachlorobenzene	216	9.985	9.989	-0.005	73842	0	
50 2,4,6-Trichlorophenol	196	10.066	10.071	-0.005	44463	0.5568	
51 2,4,5-Trichlorophenol	196	10.100	10.104	-0.004	44676	0.5129	
52 1,1'-Biphenyl	154	10.225	10.229	-0.004	224837	0	
53 2-Chloronaphthalene	162	10.268	10.273	-0.004	203204	0.5255	
54 Phenyl ether	170	10.307	10.306	0.001	121692	0	
68 4-Nitroaniline	138	10.331	10.335	-0.004	48211	0.4968	
56 Dimethyl phthalate	163	10.441	10.446	-0.005	190141	0.5134	
57 2,6-Dinitrotoluene	165	10.513	10.518	-0.005	42661	0.5467	
58 Acenaphthylene	152	10.629	10.633	-0.004	251333	0.5338	
59 3-Nitroaniline	138	10.672	10.676	-0.004	38211	0.5194	
60 2,4-Dinitrophenol	184	10.759	10.758	0.001	3930	0.5000	
62 4-Nitrophenol	109	10.764	10.768	-0.004	13398	0.5000	
61 Acenaphthene	153	10.773	10.777	-0.004	174491	0.5100	
63 2,4-Dinitrotoluene	165	10.860	10.864	-0.004	47229	0.4901	
64 Dibenzofuran	168	10.917	10.917	0.000	227872	0.4957	
65 2,3,4,6-Tetrachlorophenol	232	11.004	11.003	0.001	29544	0	
66 Diethyl phthalate	149	11.023	11.027	-0.004	194321	0.5067	
67 4-Chlorophenyl phenyl ether	204	11.172	11.172	0.000	83170	0.4997	
55 2-Nitroaniline	65	11.192	11.196	-0.004	37904	0.4496	
69 Fluorene	166	11.211	11.210	0.001	189688	0.5058	
70 4,6-Dinitro-2-methylphenol	198	11.211	11.215	-0.004	8902	0.5000	
71 Diphenylamine	169	11.264	11.268	-0.004	158308	0	
72 N-Nitrosodiphenylamine	169	11.264	11.268	-0.004	158308	0.5228	
73 1,2-Diphenylhydrazine	77	11.307	11.311	-0.004	291126	0.5274	
74 Azobenzene	77	11.307	11.311	-0.004	291126	0	
13 Benzophenone	105	11.317	11.321	-0.004	175028	0	
75 4-Bromophenyl phenyl ether	248	11.591	11.595	-0.004	45398	0.5116	
77 Atrazine	200	11.672	11.677	-0.005	44571	0	
76 Hexachlorobenzene	284	11.682	11.686	-0.004	42566	0.5298	
78 Pentachlorophenol	266	11.831	11.835	-0.004	9221	0.5000	
79 Pentachloronitrobenzene	237	11.846	11.850	-0.004	17304	0	
80 Phenanthrene	178	12.038	12.042	-0.004	260966	0.5053	
81 Anthracene	178	12.086	12.090	-0.004	239821	0.5183	
83 Carbazole	167	12.206	12.206	0.000	217314	0.5357	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	12.432	12.432	0.000	295440	0.4857	
87 Fluoranthene	202	13.298	13.297	0.001	226821	0.5144	
86 Benzidine	184	13.399	13.403	-0.004	11254	0.5000	
85 Pyrene	202	13.625	13.629	-0.004	238524	0.5315	
89 Butyl benzyl phthalate	149	14.519	14.523	-0.004	94252	0.5298	
92 Bis(2-ethylhexyl) phthalate	149	15.606	15.605	0.001	117342	0.4662	
91 3,3'-Dichlorobenzidine	252	15.625	15.630	-0.005	93270	0.5087	
93 Benzo[a]anthracene	228	15.712	15.716	-0.004	159763	0.5218	
94 Chrysene	228	15.774	15.779	-0.005	151815	0.4972	
95 Di-n-octyl phthalate	149	16.645	16.649	-0.004	136739	0.4939	
97 Benzo[b]fluoranthene	252	17.520	17.515	0.005	117750	0.5290	
98 Benzo[k]fluoranthene	252	17.573	17.573	0.000	106137	0.5334	
99 Benzo[a]pyrene	252	18.188	18.197	-0.009	77870	0.5443	
100 Indeno[1,2,3-cd]pyrene	276	20.939	20.953	-0.014	51029	0.5190	
101 Dibenz(a,h)anthracene	278	20.963	20.967	-0.004	40935	0.4930	
102 Benzo[g,h,i]perylene	276	21.747	21.766	-0.019	50254	0.5348	

Report Date: 21-Sep-2009 12:26:41 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10404.D

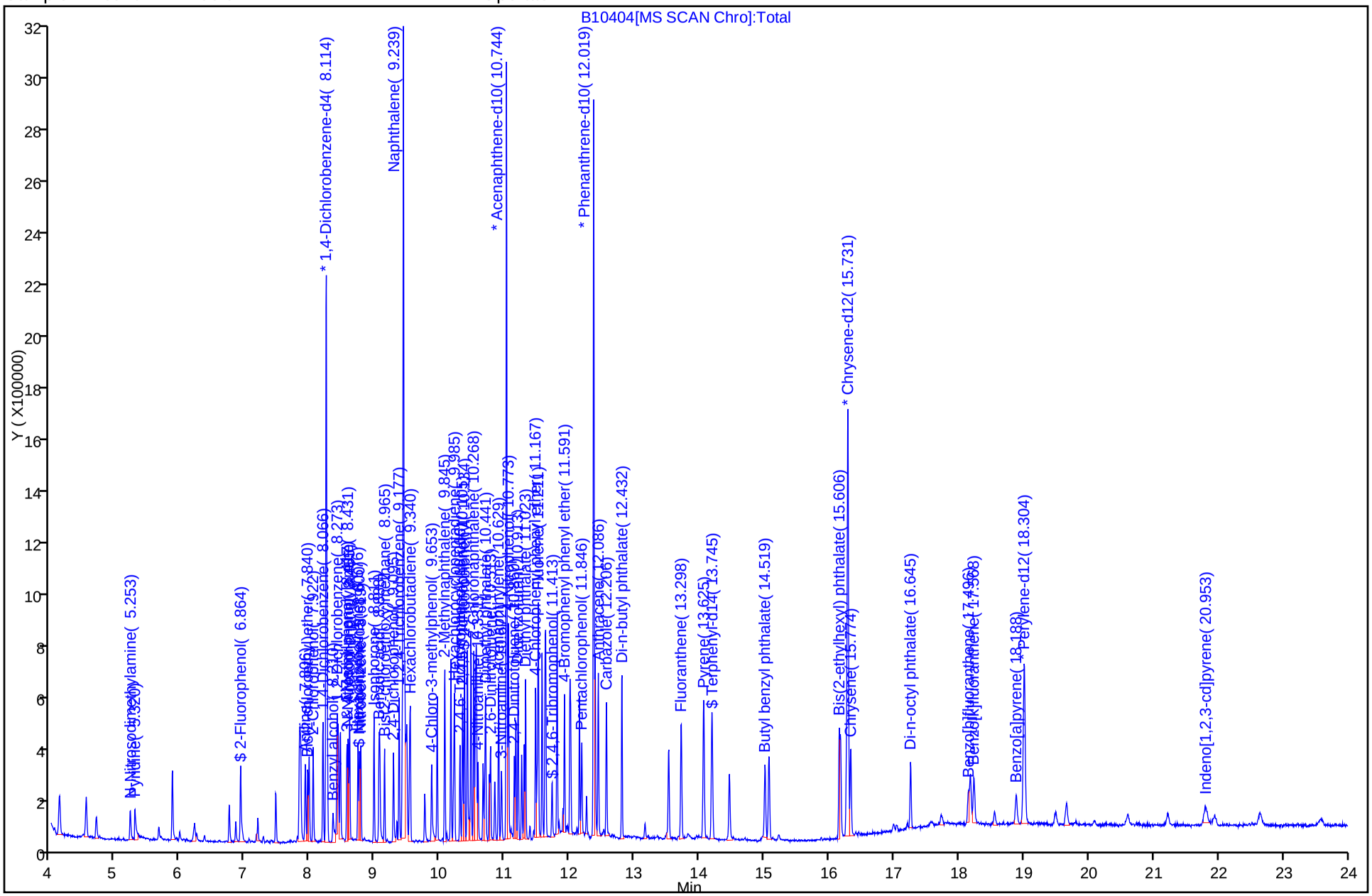
Inj Date: 18-Sep-2009 18:12:30 Limit Group: SMS - 625LL SVOA Calibration

Lims Batch ID: 49189 Lims Sample ID: 5

Client ID: Instrument: Inst. B

Sample Info: std05

Sample Amount: 2.00 uL Operator: MZ

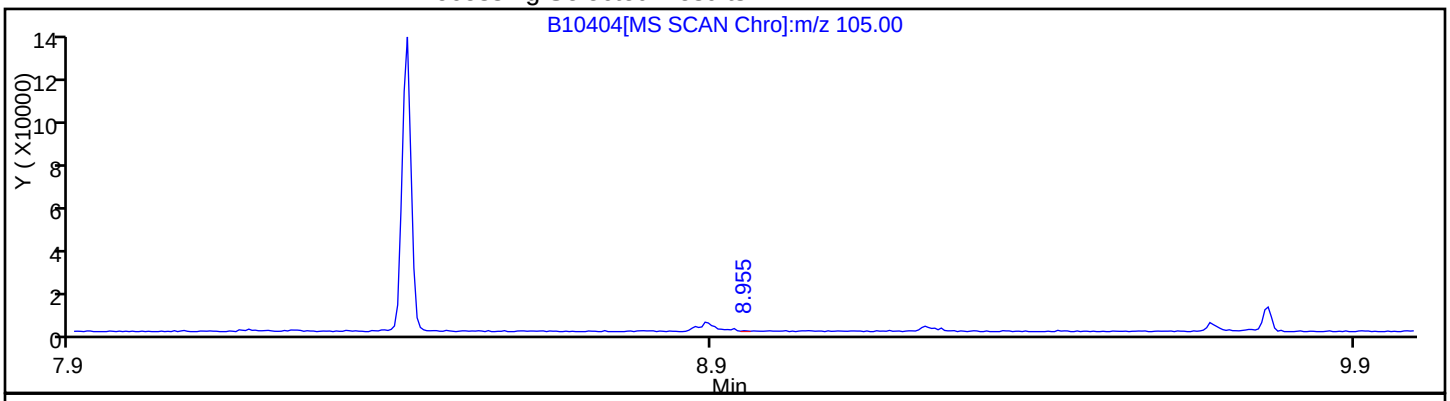


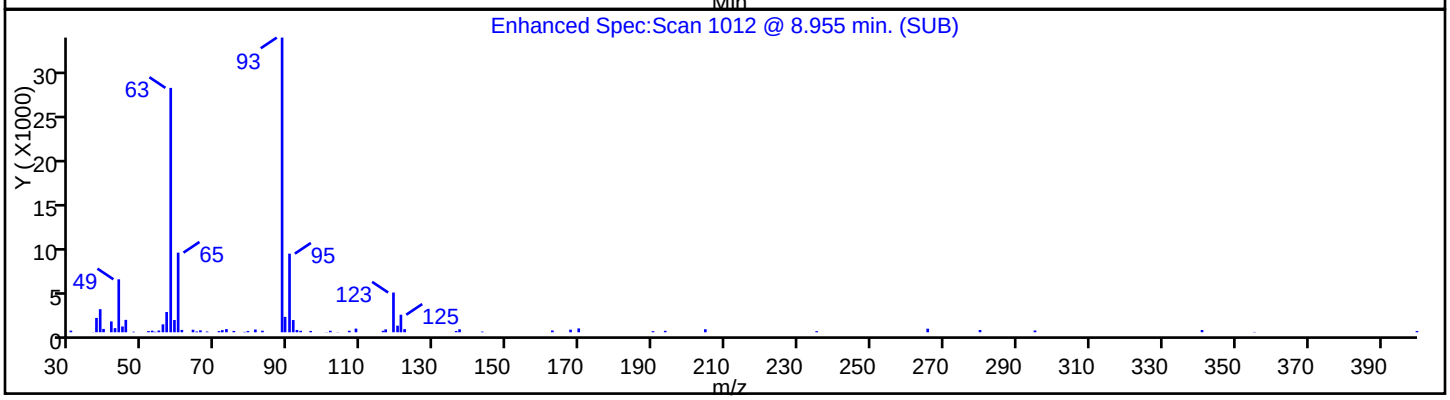
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10404.D		
Inj Date:	18-Sep-2009 18:12:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	std05		
Sample Amount:	2.00 uL	Operator:	MZ

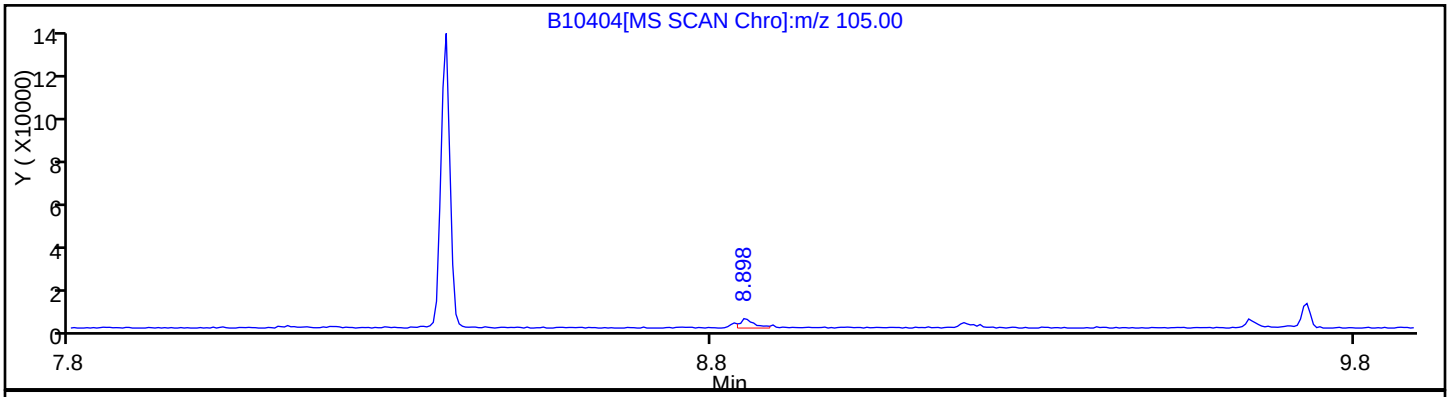
36 Benzoic acid

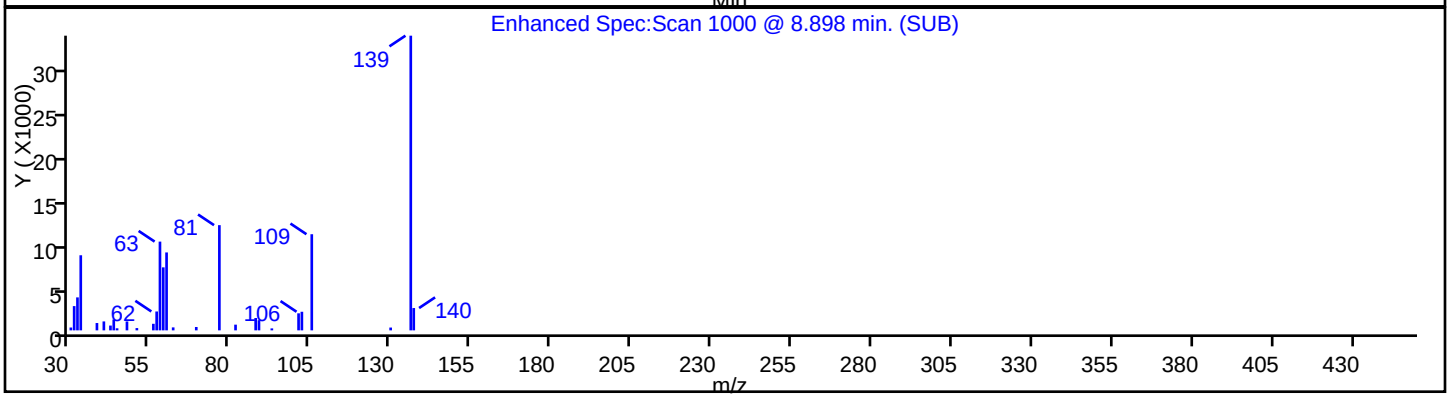
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 21-Sep-2009 12:26:40
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10405.D		
Lims ID:	STD1	Client ID:	
Inject. Date:	18-Sep-2009 18:44:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	std1		
Misc. Info.:	360-0001228-006		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	6
Lims Batch ID:	49189	Lims Sample ID:	6
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\8270B.m		
Last Update:	21-Sep-2009 12:28:10	Calib Date:	18-Sep-2009 18:44:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10405.D		
Limit Group:	SMS - 625LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 21-Sep-2009 12:28:10

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.108	8.113	-0.005	433436	2.00	
* 2 Naphthalene-d8	136	9.238	9.243	-0.005	1038785	2.00	
* 3 Acenaphthene-d10	164	10.743	10.749	-0.006	500613	2.00	
* 4 Phenanthrene-d10	188	12.018	12.018	0.000	808784	2.00	
* 5 Chrysene-d12	240	15.730	15.735	-0.005	640127	2.00	
* 6 Perylene-d12	264	18.308	18.308	0.000	377188	2.00	
$ 7 2-Fluorophenol	112	6.853	6.863	-0.010	133053	1.08	
$ 8 Phenol-d5	99	7.724	7.729	-0.005	151894	0	
$ 9 Nitrobenzene-d5	82	8.599	8.604	-0.005	153226	1.05	
$ 10 2-Fluorobiphenyl	172	10.133	10.133	0.000	315344	0.9888	
$ 11 2,4,6-Tribromophenol	330	11.412	11.417	-0.005	21641	1.06	
$ 12 Terphenyl-d14	244	13.749	13.749	0.000	232251	0.99	
14 1,4-Dioxane	88	4.713	4.752	-0.039	52594	0	
15 N-Nitrosodimethylamine	42	5.228	5.247	-0.019	84029	0.9838	
16 Pyridine	79	5.281	5.339	-0.058	82732	0.8418	
17 Benzaldehyde	105	7.719	7.719	0.000	67871	0	
18 Phenol	94	7.738	7.743	-0.005	160508	1.08	
19 Aniline	93	7.805	7.810	-0.005	177157	1.06	
20 Bis(2-chloroethyl)ether	93	7.839	7.844	-0.005	134015	1.01	
21 2-Chlorophenol	128	7.921	7.926	-0.005	139682	1.06	
22 1,4-Dichlorobenzene	146	8.065	8.065	0.000	174662	1.04	
23 1,3-Dichlorobenzene	146	8.127	8.128	-0.001	180789	1.04	
24 Benzyl alcohol	79	8.209	8.210	-0.001	69867	0.9687	
25 1,2-Dichlorobenzene	146	8.272	8.272	0.000	160036	0.99	
26 2-Methylphenol	108	8.286	8.291	-0.005	137364	1.11	
27 2,2'-oxybis[1-chloropropane]	45	8.315	8.320	-0.005	250590	0	
28 3 & 4 Methylphenol	108	8.416	8.416	0.000	125112	1.01	
29 N-Nitrosodi-n-propylamine	70	8.430	8.436	-0.006	90969	1.07	
30 Acetophenone	105	8.454	8.455	-0.001	193327	1.04	
31 Hexachloroethane	117	8.575	8.580	-0.005	58740	1.03	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.618	8.618	0.000	152420	1.08	
33 Isophorone	82	8.810	8.815	-0.005	244954	1.09	
35 2,4-Dimethylphenol	107	8.882	8.883	-0.001	105623	0.9736	
34 2-Nitrophenol	139	8.892	8.897	-0.005	70112	1.11	
36 Benzoic acid	105	8.906	8.906	0.000	13074	0.8303	M
37 Bis(2-chloroethoxy)methane	93	8.964	8.965	0.000	153349	1.06	
38 2,4-Dichlorophenol	162	9.094	9.099	-0.005	104270	1.06	
39 1,2,4-Trichlorobenzene	180	9.176	9.181	-0.005	135438	1.03	
40 Alpha-Terpineol	59	9.224	9.224	0.000	108593	1.03	
41 Naphthalene	128	9.258	9.263	-0.005	452088	1.02	
42 4-Chloroaniline	127	9.277	9.277	0.000	218232	1.15	
43 Hexachlorobutadiene	225	9.339	9.340	-0.001	66472	1.03	
44 Caprolactam	55	9.551	9.570	-0.019	53166	0	
45 4-Chloro-3-methylphenol	107	9.652	9.652	0.000	99641	1.06	
46 2-Methylnaphthalene	142	9.844	9.845	-0.001	281218	1.04	
47 1-Methylnaphthalene	142	9.931	9.936	-0.005	284518	0	
48 Hexachlorocyclopentadiene	237	9.969	9.970	-0.001	36314	0.9680	
49 1,2,4,5-Tetrachlorobenzene	216	9.984	9.989	-0.005	117299	0	
50 2,4,6-Trichlorophenol	196	10.065	10.071	-0.006	71673	1.08	
51 2,4,5-Trichlorophenol	196	10.104	10.104	0.000	74806	1.04	
52 1,1'-Biphenyl	154	10.224	10.229	-0.005	346730	0	
53 2-Chloronaphthalene	162	10.267	10.273	-0.005	313874	1.00	
54 Phenyl ether	170	10.306	10.306	0.000	187095	0	
68 4-Nitroaniline	138	10.330	10.335	-0.005	78827	1.05	
56 Dimethyl phthalate	163	10.440	10.446	-0.006	300712	1.00	
57 2,6-Dinitrotoluene	165	10.513	10.518	-0.005	69258	1.07	
58 Acenaphthylene	152	10.633	10.633	0.000	406129	1.05	
59 3-Nitroaniline	138	10.671	10.676	-0.005	63940	1.05	
60 2,4-Dinitrophenol	184	10.758	10.758	0.000	9633	0.8493	
62 4-Nitrophenol	109	10.767	10.768	-0.001	26049	0.8952	
61 Acenaphthene	153	10.772	10.777	-0.005	287811	1.02	
63 2,4-Dinitrotoluene	165	10.859	10.864	-0.005	79551	0.9777	
64 Dibenzofuran	168	10.917	10.917	0.000	373139	1.00	
65 2,3,4,6-Tetrachlorophenol	232	11.003	11.003	0.000	49372	0	
66 Diethyl phthalate	149	11.022	11.027	-0.005	300685	0.9687	
67 4-Chlorophenyl phenyl ether	204	11.171	11.172	-0.001	131623	0.9754	
55 2-Nitroaniline	65	11.191	11.196	-0.005	67920	0.9875	
69 Fluorene	166	11.210	11.210	0.000	309911	1.01	
70 4,6-Dinitro-2-methylphenol	198	11.210	11.215	-0.005	19805	0.8688	
71 Diphenylamine	169	11.263	11.268	-0.005	258183	0	
72 N-Nitrosodiphenylamine	169	11.263	11.268	-0.005	258183	1.05	
73 1,2-Diphenylhydrazine	77	11.311	11.311	0.000	467601	1.04	
74 Azobenzene	77	11.311	11.311	0.000	467601	0	
13 Benzophenone	105	11.316	11.321	-0.005	286629	0	
75 4-Bromophenyl phenyl ether	248	11.595	11.595	0.000	70074	0.9848	
77 Atrazine	200	11.672	11.677	-0.005	72052	0	
76 Hexachlorobenzene	284	11.681	11.686	-0.005	66787	1.03	
78 Pentachlorophenol	266	11.835	11.835	0.000	17790	0.8708	
79 Pentachloronitrobenzene	237	11.845	11.850	-0.005	29321	0	
80 Phenanthrene	178	12.042	12.042	0.000	408677	0.9865	
81 Anthracene	178	12.085	12.090	-0.005	395196	1.05	
83 Carbazole	167	12.205	12.206	-0.001	345802	1.05	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	12.431	12.432	-0.001	475440	0.9767	
87 Fluoranthene	202	13.297	13.297	0.000	364536	1.02	
86 Benzidine	184	13.398	13.403	-0.005	56378	0.8285	
85 Pyrene	202	13.624	13.629	-0.005	394464	1.01	
89 Butyl benzyl phthalate	149	14.518	14.523	-0.005	166257	1.06	
92 Bis(2-ethylhexyl) phthalate	149	15.605	15.605	0.000	208764	0.9658	
91 3,3'-Dichlorobenzidine	252	15.624	15.630	-0.006	182292	1.05	
93 Benzo[a]anthracene	228	15.711	15.716	-0.005	271547	1.02	
94 Chrysene	228	15.773	15.779	-0.006	261616	0.99	
95 Di-n-octyl phthalate	149	16.649	16.649	0.000	260100	1.00	
97 Benzo[b]fluoranthene	252	17.519	17.515	0.004	218127	1.06	
98 Benzo[k]fluoranthene	252	17.572	17.573	-0.001	197332	1.07	
99 Benzo[a]pyrene	252	18.187	18.197	-0.010	148749	1.11	
100 Indeno[1,2,3-cd]pyrene	276	20.943	20.953	-0.010	83723	0.9510	
101 Dibenz(a,h)anthracene	278	20.962	20.967	-0.005	64331	0.8475	
102 Benzo[g,h,i]perylene	276	21.751	21.766	-0.015	84094	0.9899	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 21-Sep-2009 12:28:12 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10405.D

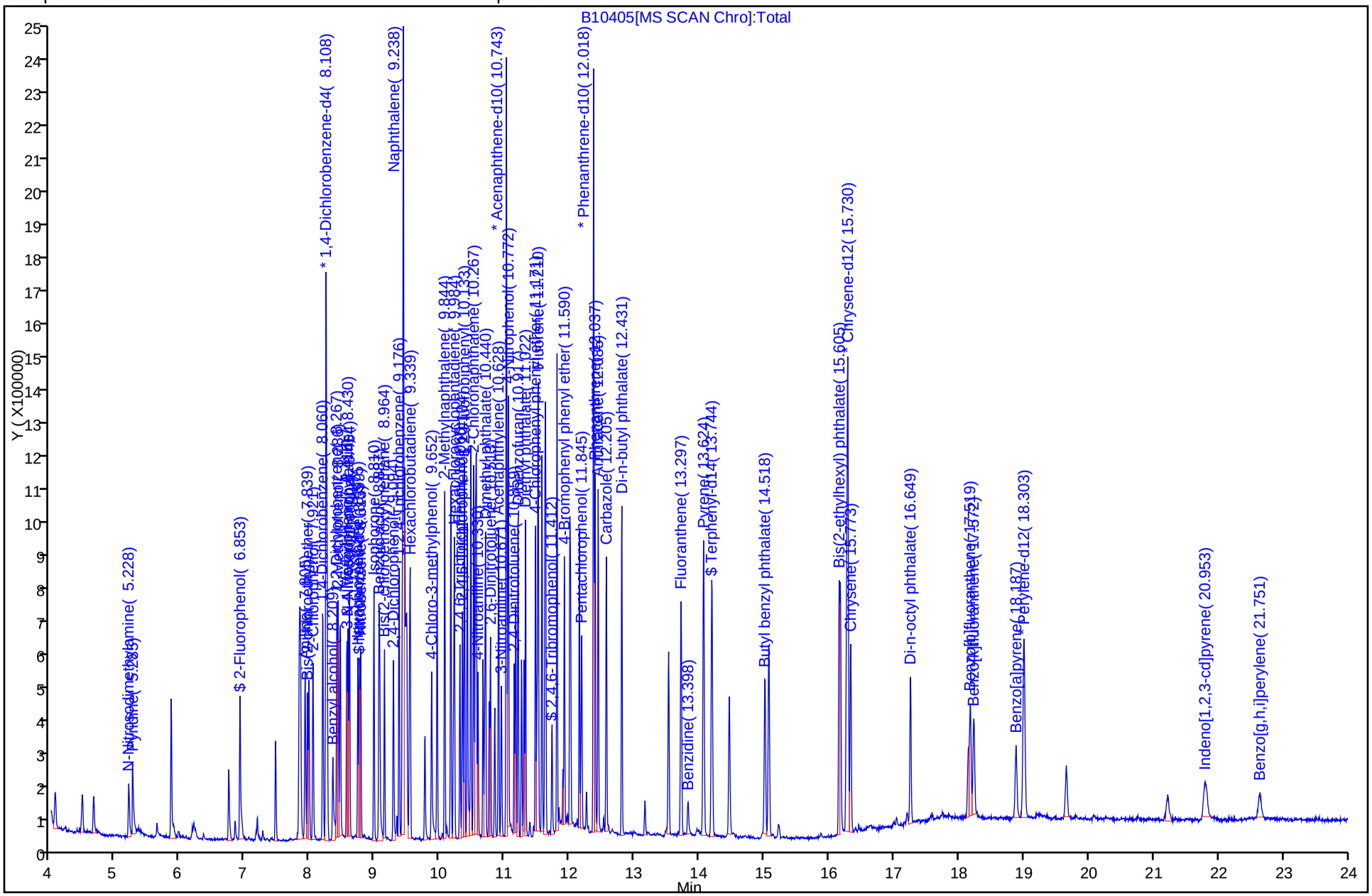
Inj Date: 18-Sep-2009 18:44:30 Limit Group: SMS - 625LL SVOA Calibration

Lims Batch ID: 49189 Lims Sample ID: 6

Client ID: Instrument: Inst. B

Sample Info: std1

Sample Amount: 2.00 uL Operator: MZ



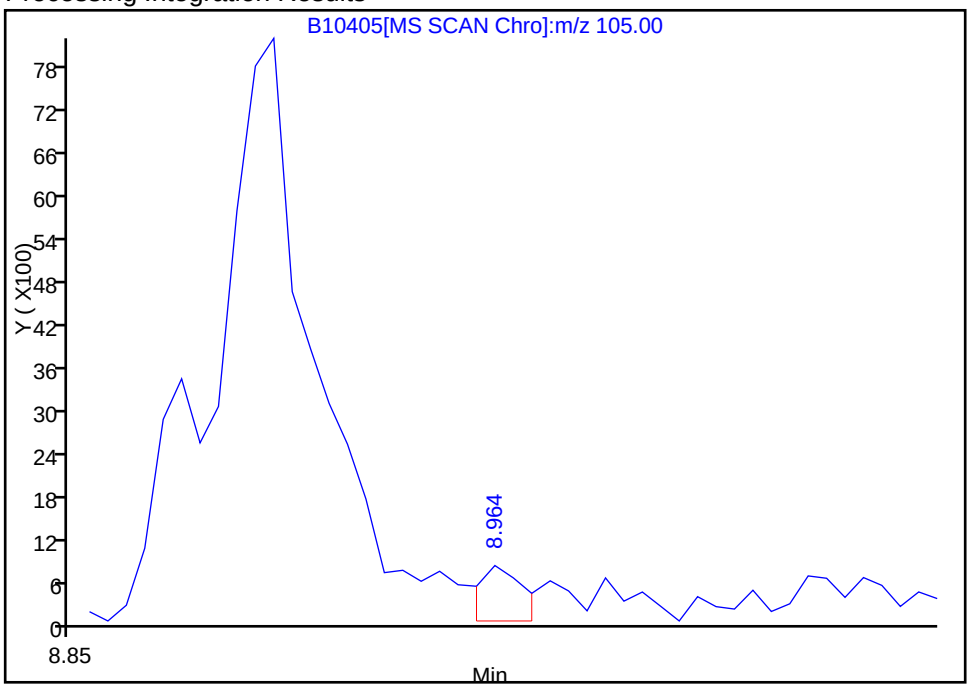
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10405.D		
Inj Date:	18-Sep-2009 18:44:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	6
Client ID:		Instrument:	Inst. B
Sample Info:	std1		
Sample Amount:	2.00 uL	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 8.91

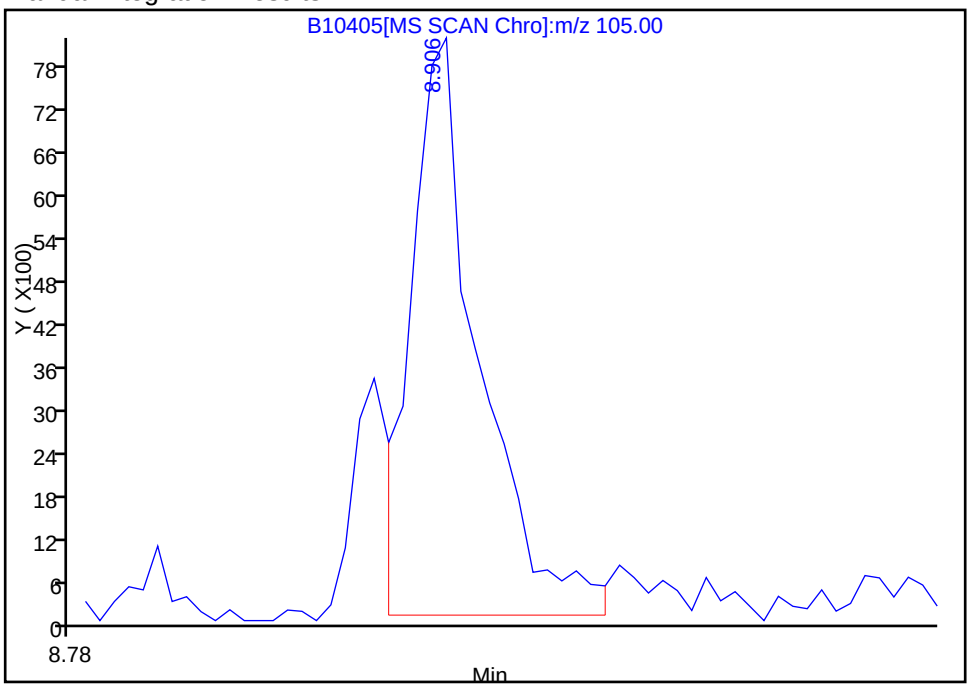
Processing Integration Results

RT: 8.96
Response: 650
Amount: 1.176405



Manual Integration Results

RT: 8.91
Response: 13074
Amount: 0.830339



Reviewer: sullivanp, 21-Sep-2009 12:28:10
Audit Action: Manually Integrated
Audit Reason: Wrong peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10406.D		
Lims ID:	STD25	Client ID:	
Inject. Date:	18-Sep-2009 19:15:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	5
Sample ID:	std25		
Misc. Info.:	360-0001228-007		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	7
Lims Batch ID:	49189	Lims Sample ID:	7
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\8270B.m		
Last Update:	21-Sep-2009 12:35:36	Calib Date:	18-Sep-2009 19:15:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10406.D		
Limit Group:	SMS - 625LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 21-Sep-2009 12:35:36

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.109	8.113	-0.004	574661	2.00	
* 2 Naphthalene-d8	136	9.239	9.243	-0.004	1379160	2.00	
* 3 Acenaphthene-d10	164	10.744	10.749	-0.005	622771	2.00	
* 4 Phenanthrene-d10	188	12.018	12.018	0.000	1044397	2.00	
* 5 Chrysene-d12	240	15.731	15.735	-0.004	769357	2.00	
* 6 Perylene-d12	264	18.303	18.308	-0.005	419884	2.00	
$ 7 2-Fluorophenol	112	6.854	6.863	-0.009	353909	2.22	
$ 8 Phenol-d5	99	7.724	7.729	-0.005	427637	0	
$ 9 Nitrobenzene-d5	82	8.599	8.604	-0.005	406897	2.15	
$ 10 2-Fluorobiphenyl	172	10.133	10.133	0.000	839420	2.17	
$ 11 2,4,6-Tribromophenol	330	11.412	11.417	-0.005	63704	2.43	
$ 12 Terphenyl-d14	244	13.749	13.749	0.000	621562	2.26	
14 1,4-Dioxane	88	4.723	4.752	-0.029	132085	0	
15 N-Nitrosodimethylamine	42	5.228	5.247	-0.019	250564	2.26	
16 Pyridine	79	5.276	5.276	0.000	343602	2.55	
17 Benzaldehyde	105	7.714	7.719	-0.005	195813	0	
18 Phenol	94	7.738	7.743	-0.005	444482	2.30	
19 Aniline	93	7.806	7.810	-0.004	506434	2.51	
20 Bis(2-chloroethyl)ether	93	7.839	7.844	-0.005	361817	2.12	
21 2-Chlorophenol	128	7.921	7.926	-0.005	388746	2.26	
22 1,4-Dichlorobenzene	146	8.065	8.065	0.000	454957	2.11	
23 1,3-Dichlorobenzene	146	8.128	8.128	0.000	481500	2.15	
24 Benzyl alcohol	79	8.210	8.210	0.000	278311	2.50	
25 1,2-Dichlorobenzene	146	8.267	8.272	-0.005	436295	2.10	
26 2-Methylphenol	108	8.287	8.291	-0.004	358731	2.23	
27 2,2'-oxybis[1-chloropropane]	45	8.315	8.320	-0.005	668220	0	
28 3 & 4 Methylphenol	108	8.416	8.416	0.000	359923	2.24	
29 N-Nitrosodi-n-propylamine	70	8.431	8.436	-0.005	253096	2.28	
30 Acetophenone	105	8.455	8.455	0.000	517415	2.16	
31 Hexachloroethane	117	8.575	8.580	-0.005	159793	2.16	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.618	8.618	0.000	411439	2.23	
33 Isophorone	82	8.811	8.815	-0.004	682741	2.33	
35 2,4-Dimethylphenol	107	8.883	8.883	0.000	323192	2.28	
34 2-Nitrophenol	139	8.892	8.897	-0.005	200311	2.41	
36 Benzoic acid	105	8.912	8.912	0.000	53165	2.45	M
37 Bis(2-chloroethoxy)methane	93	8.965	8.965	0.001	399850	2.13	
38 2,4-Dichlorophenol	162	9.094	9.099	-0.005	301238	2.34	
39 1,2,4-Trichlorobenzene	180	9.176	9.181	-0.005	352025	2.08	
40 Alpha-Terpineol	59	9.224	9.224	0.000	315538	2.28	
41 Naphthalene	128	9.258	9.263	-0.005	1193723	2.10	
42 4-Chloroaniline	127	9.277	9.277	0.000	596541	2.38	
43 Hexachlorobutadiene	225	9.340	9.340	0.000	179727	2.16	
44 Caprolactam	55	9.561	9.570	-0.009	164092	0	
45 4-Chloro-3-methylphenol	107	9.652	9.652	0.000	302259	2.44	
46 2-Methylnaphthalene	142	9.845	9.845	0.000	742752	2.13	
47 1-Methylnaphthalene	142	9.931	9.936	-0.005	740248	0	
48 Hexachlorocyclopentadiene	237	9.970	9.970	0.000	100569	2.21	
49 1,2,4,5-Tetrachlorobenzene	216	9.984	9.989	-0.005	309757	0	
50 2,4,6-Trichlorophenol	196	10.066	10.071	-0.005	194696	2.38	
51 2,4,5-Trichlorophenol	196	10.104	10.104	0.000	200865	2.29	
52 1,1'-Biphenyl	154	10.224	10.229	-0.005	933241	0	
53 2-Chloronaphthalene	162	10.268	10.273	-0.004	849149	2.22	
54 Phenyl ether	170	10.306	10.306	0.000	509945	0	
68 4-Nitroaniline	138	10.330	10.335	-0.005	226520	2.44	
56 Dimethyl phthalate	163	10.441	10.446	-0.005	813997	2.22	
57 2,6-Dinitrotoluene	165	10.513	10.518	-0.005	188870	2.37	
58 Acenaphthylene	152	10.628	10.633	-0.005	1092749	2.30	
59 3-Nitroaniline	138	10.672	10.676	-0.004	187872	2.49	
60 2,4-Dinitrophenol	184	10.758	10.758	0.000	37968	2.46	5
62 4-Nitrophenol	109	10.763	10.768	-0.005	90187	2.48	
61 Acenaphthene	153	10.773	10.777	-0.004	746885	2.19	
63 2,4-Dinitrotoluene	165	10.859	10.864	-0.005	229631	2.28	
64 Dibenzofuran	168	10.917	10.917	0.000	983785	2.17	
65 2,3,4,6-Tetrachlorophenol	232	11.004	11.003	0.001	138307	0	
66 Diethyl phthalate	149	11.028	11.027	0.001	808176	2.15	
67 4-Chlorophenyl phenyl ether	204	11.172	11.172	0.000	365507	2.23	
55 2-Nitroaniline	65	11.196	11.196	0.000	202479	2.36	
69 Fluorene	166	11.210	11.210	0.000	839754	2.25	
70 4,6-Dinitro-2-methylphenol	198	11.210	11.215	-0.005	71455	2.46	5
71 Diphenylamine	169	11.263	11.268	-0.005	697025	0	
72 N-Nitrosodiphenylamine	169	11.263	11.268	-0.005	697025	2.23	
73 1,2-Diphenylhydrazine	77	11.311	11.311	0.000	1305305	2.29	
74 Azobenzene	77	11.311	11.311	0.000	1305305	0	
13 Benzophenone	105	11.316	11.321	-0.005	784729	0	
75 4-Bromophenyl phenyl ether	248	11.595	11.595	0.000	187543	2.11	
77 Atrazine	200	11.672	11.677	-0.005	197626	0	
76 Hexachlorobenzene	284	11.682	11.686	-0.004	174820	2.14	
78 Pentachlorophenol	266	11.835	11.835	0.000	60467	2.46	5
79 Pentachloronitrobenzene	237	11.845	11.850	-0.005	80120	0	
80 Phenanthrene	178	12.042	12.042	0.000	1098720	2.12	
81 Anthracene	178	12.085	12.090	-0.005	1046578	2.20	
83 Carbazole	167	12.206	12.206	0.000	841809	2.04	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	12.432	12.432	0.000	1280776	2.10	
87 Fluoranthene	202	13.297	13.297	0.000	1001478	2.22	
86 Benzidine	184	13.398	13.403	-0.005	483685	2.52	
85 Pyrene	202	13.624	13.629	-0.005	1060947	2.30	
89 Butyl benzyl phthalate	149	14.524	14.523	0.001	462816	2.47	
92 Bis(2-ethylhexyl) phthalate	149	15.601	15.605	-0.004	595177	2.32	
91 3,3'-Dichlorobenzidine	252	15.625	15.630	-0.005	485491	2.32	
93 Benzo[a]anthracene	228	15.711	15.716	-0.005	693914	2.22	
94 Chrysene	228	15.774	15.779	-0.005	654046	2.12	
95 Di-n-octyl phthalate	149	16.649	16.649	0.000	763422	2.55	
97 Benzo[b]fluoranthene	252	17.524	17.524	0.000	510481	2.28	
98 Benzo[k]fluoranthene	252	17.572	17.572	0.000	472445	2.34	
99 Benzo[a]pyrene	252	18.188	18.197	-0.009	365112	2.46	
100 Indeno[1,2,3-cd]pyrene	276	20.948	20.948	0.000	232740	2.39	
101 Dibenz(a,h)anthracene	278	20.972	20.972	0.000	178229	2.39	
102 Benzo[g,h,i]perylene	276	21.751	21.766	-0.015	199193	2.16	

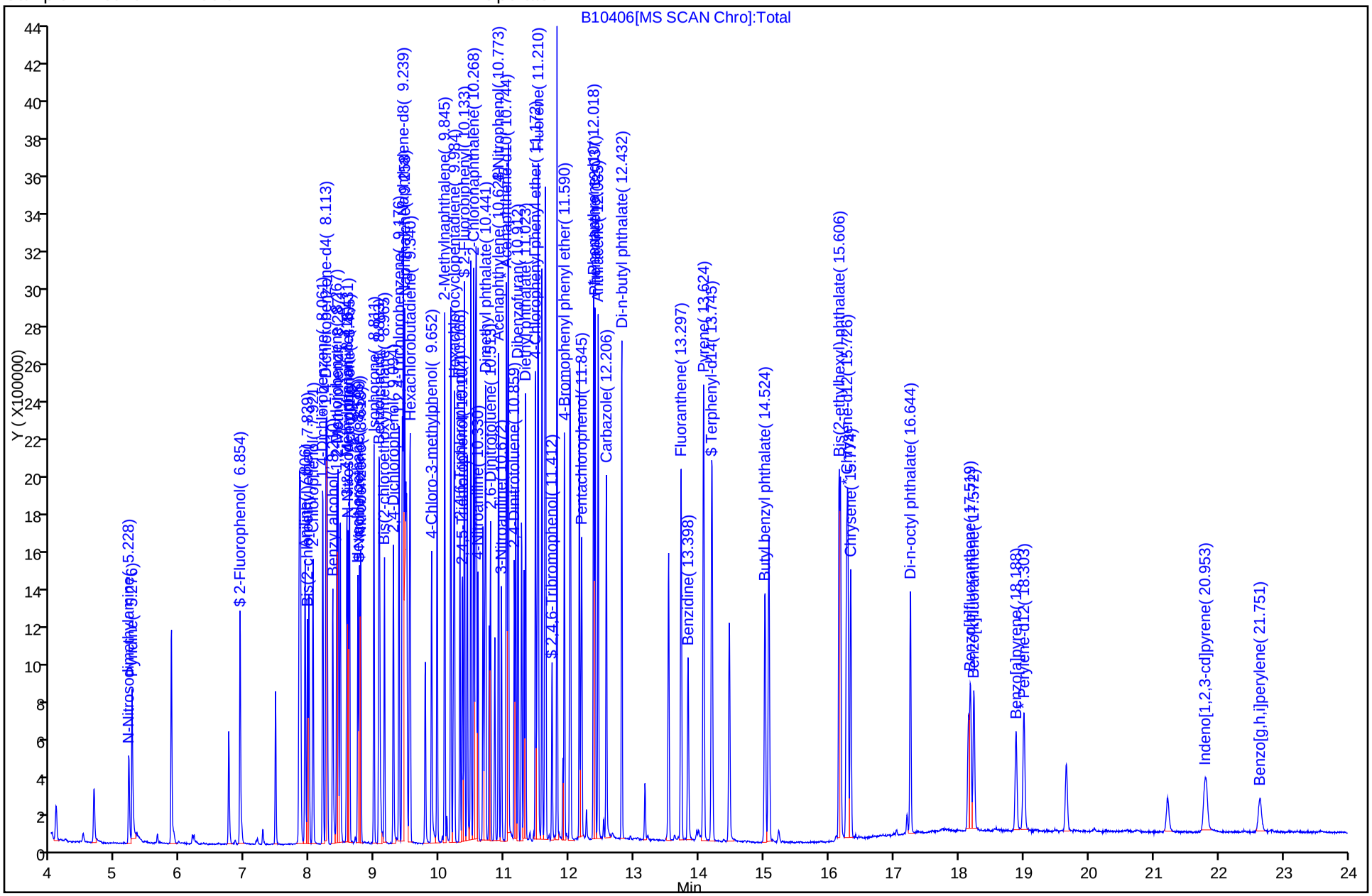
QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 21-Sep-2009 12:35:37 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10406.D		
Inj Date:	18-Sep-2009 19:15:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	7
Client ID:		Instrument:	Inst. B
Sample Info:	std25		
Sample Amount:	2.00 uL	Operator:	MZ



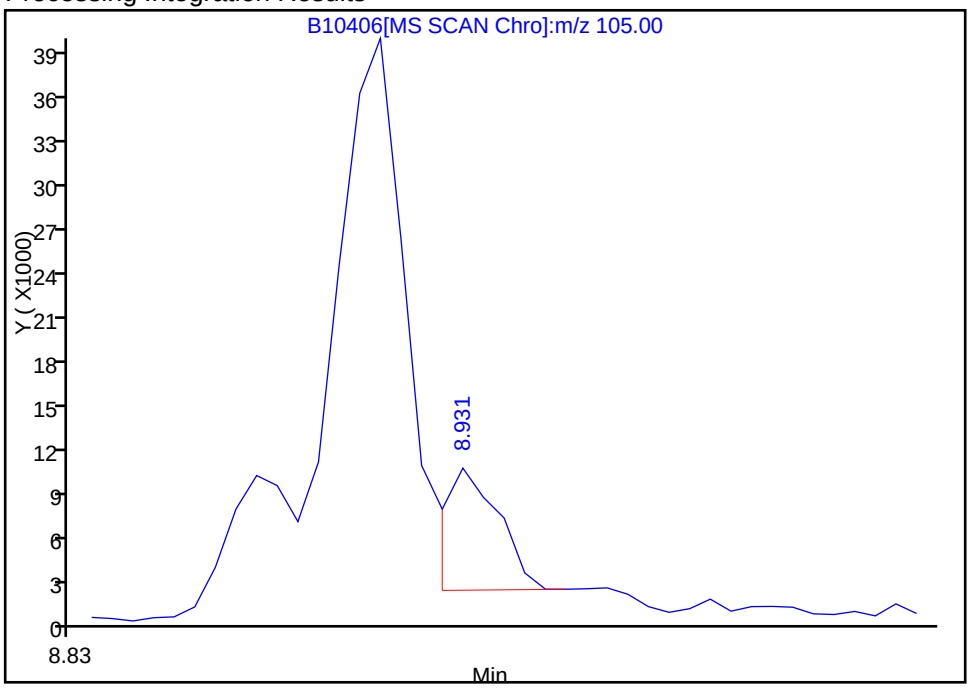
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10406.D		
Inj Date:	18-Sep-2009 19:15:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	7
Client ID:		Instrument:	Inst. B
Sample Info:	std25		
Sample Amount:	2.00 uL	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 8.91

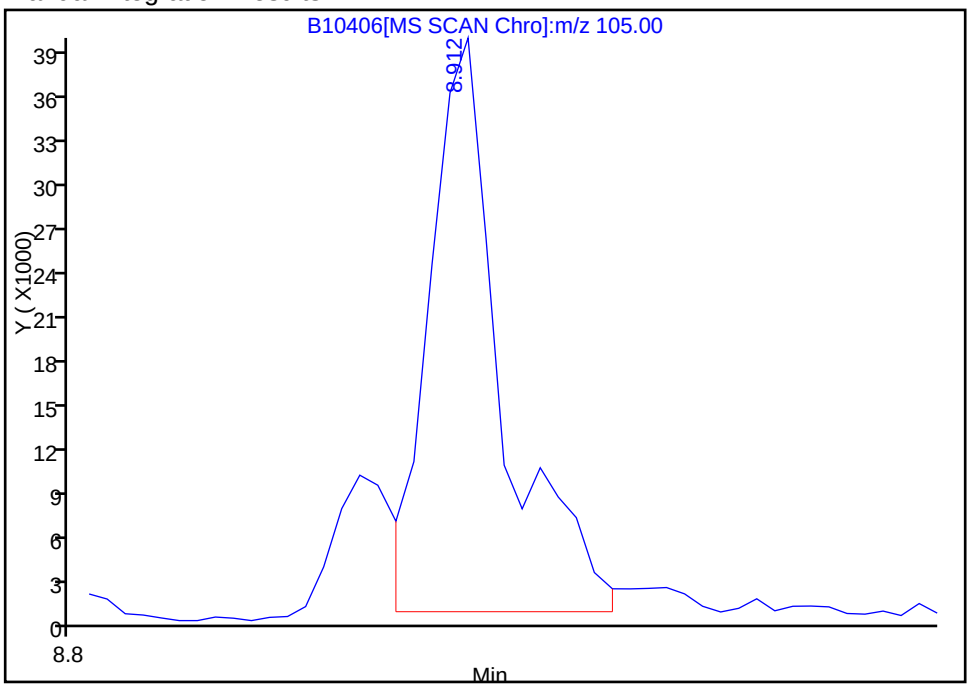
Processing Integration Results

RT: 8.93
Response: 7528
Amount: 2.326355



Manual Integration Results

RT: 8.91
Response: 53165
Amount: 2.452818



Reviewer: sullivanp, 21-Sep-2009 12:35:36
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10407.D		
Lims ID:	STD8	Client ID:	
Inject. Date:	18-Sep-2009 19:46:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	std8		
Misc. Info.:	360-0001228-008		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	8
Lims Batch ID:	49189	Lims Sample ID:	8
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\8270B.m		
Last Update:	21-Sep-2009 12:48:12	Calib Date:	18-Sep-2009 20:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10409.D		
Limit Group:	SMS - 625LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	21-Sep-2009 12:37:09
Reviewed By:	sullivanp	Date:	21-Sep-2009 12:48:12

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.111	8.113	-0.002	669098	2.00	
* 2 Naphthalene-d8	136	9.241	9.243	-0.002	1616411	2.00	
* 3 Acenaphthene-d10	164	10.746	10.749	-0.003	563302	2.00	
* 4 Phenanthrene-d10	188	12.020	12.018	0.002	934558	2.00	
* 5 Chrysene-d12	240	15.737	15.735	0.002	750632	2.00	
* 6 Perylene-d12	264	18.305	18.308	-0.003	404764	2.00	
$ 7 2-Fluorophenol	112	6.856	6.863	-0.007	1278285	6.98	
$ 8 Phenol-d5	99	7.731	7.729	0.002	1616281	0	
$ 9 Nitrobenzene-d5	82	8.601	8.604	-0.003	1493768	8.00	
$ 10 2-Fluorobiphenyl	172	10.135	10.133	0.002	3088824	8.75	
$ 11 2,4,6-Tribromophenol	330	11.414	11.417	-0.003	256964	8.35	
$ 12 Terphenyl-d14	244	13.751	13.749	0.002	2359205	8.67	
14 1,4-Dioxane	88	4.720	4.752	-0.032	463235	0	
15 N-Nitrosodimethylamine	42	5.230	5.247	-0.017	878710	6.95	
16 Pyridine	79	5.269	5.339	-0.070	1131526	7.25	
17 Benzaldehyde	105	7.716	7.719	-0.003	679750	0	
18 Phenol	94	7.745	7.743	0.002	1655581	7.31	
19 Aniline	93	7.808	7.810	-0.002	1863725	8.10	
20 Bis(2-chloroethyl)ether	93	7.841	7.844	-0.003	1287395	6.71	
21 2-Chlorophenol	128	7.923	7.926	-0.003	1390557	7.03	
22 1,4-Dichlorobenzene	146	8.063	8.065	-0.002	1650246	6.78	
23 1,3-Dichlorobenzene	146	8.125	8.128	-0.003	1727810	6.84	
24 Benzyl alcohol	79	8.212	8.210	0.002	1061285	8.06	
25 1,2-Dichlorobenzene	146	8.269	8.272	-0.003	1570618	6.74	
26 2-Methylphenol	108	8.289	8.291	-0.002	1296469	7.02	
27 2,2'-oxybis[1-chloropropane]	45	8.317	8.320	-0.003	2328861	0	
28 3 & 4 Methylphenol	108	8.418	8.416	0.002	1301945	7.03	
29 N-Nitrosodi-n-propylamine	70	8.438	8.436	0.002	947121	7.26	
30 Acetophenone	105	8.457	8.455	0.002	1862950	6.82	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
31 Hexachloroethane	117	8.577	8.580	-0.003	593565	6.99	
32 Nitrobenzene	77	8.620	8.618	0.002	1487462	8.20	
33 Isophorone	82	8.813	8.815	-0.002	2529899	8.16	
35 2,4-Dimethylphenol	107	8.885	8.883	0.002	1125682	7.98	
34 2-Nitrophenol	139	8.894	8.897	-0.003	776422	8.31	
36 Benzoic acid	105	8.938	8.938	0.000	487197	7.19	M
37 Bis(2-chloroethoxy)methane	93	8.967	8.965	0.003	1444661	8.12	
38 2,4-Dichlorophenol	162	9.096	9.099	-0.003	1128986	7.99	
39 1,2,4-Trichlorobenzene	180	9.178	9.181	-0.003	1287284	8.19	
40 Alpha-Terpineol	59	9.226	9.224	0.002	1215382	8.30	
41 Naphthalene	128	9.260	9.263	-0.003	4221989	8.11	
42 4-Chloroaniline	127	9.279	9.277	0.002	1860888	7.72	
43 Hexachlorobutadiene	225	9.342	9.340	0.002	667198	8.12	
44 Caprolactam	55	9.582	9.570	0.012	639503	0	
45 4-Chloro-3-methylphenol	107	9.654	9.652	0.002	1143034	8.27	
46 2-Methylnaphthalene	142	9.847	9.845	0.002	2704303	8.12	
47 1-Methylnaphthalene	142	9.933	9.936	-0.003	2753255	0	
48 Hexachlorocyclopentadiene	237	9.972	9.970	0.002	427526	8.22	
49 1,2,4,5-Tetrachlorobenzene	216	9.986	9.989	-0.003	1155491	0	
50 2,4,6-Trichlorophenol	196	10.068	10.071	-0.003	749049	9.40	
51 2,4,5-Trichlorophenol	196	10.106	10.104	0.002	805535	9.40	
52 1,1'-Biphenyl	154	10.231	10.229	0.002	3390328	0	
53 2-Chloronaphthalene	162	10.270	10.273	-0.002	3076702	8.75	
54 Phenyl ether	170	10.308	10.306	0.002	1909857	0	
68 4-Nitroaniline	138	10.332	10.335	-0.003	895843	8.45	
56 Dimethyl phthalate	163	10.448	10.446	0.002	2951019	8.74	
57 2,6-Dinitrotoluene	165	10.520	10.518	0.002	694910	9.07	
58 Acenaphthylene	152	10.635	10.633	0.002	4000869	9.11	
59 3-Nitroaniline	138	10.679	10.676	0.003	690650	9.38	
60 2,4-Dinitrophenol	184	10.760	10.758	0.002	234325	7.05	
62 4-Nitrophenol	109	10.770	10.768	0.002	395213	8.29	
61 Acenaphthene	153	10.775	10.777	-0.002	2813893	8.90	
63 2,4-Dinitrotoluene	165	10.866	10.864	0.002	900186	8.45	
64 Dibenzofuran	168	10.919	10.917	0.002	3587383	8.72	
65 2,3,4,6-Tetrachlorophenol	232	11.006	11.003	0.003	572278	0	
66 Diethyl phthalate	149	11.030	11.027	0.003	2992476	8.71	
67 4-Chlorophenyl phenyl ether	204	11.174	11.172	0.002	1354232	8.79	
55 2-Nitroaniline	65	11.203	11.196	0.007	822945	8.59	
69 Fluorene	166	11.212	11.210	0.002	3162702	9.07	
70 4,6-Dinitro-2-methylphenol	198	11.217	11.215	0.002	397252	8.12	
71 Diphenylamine	169	11.270	11.268	0.002	2580857	0	
72 N-Nitrosodiphenylamine	169	11.270	11.268	0.002	2580857	8.97	
73 1,2-Diphenylhydrazine	77	11.313	11.311	0.002	4787606	9.13	
74 Azobenzene	77	11.313	11.311	0.002	4787606	0	
13 Benzophenone	105	11.323	11.321	0.002	2980702	0	
75 4-Bromophenyl phenyl ether	248	11.597	11.595	0.002	709370	8.66	
77 Atrazine	200	11.679	11.677	0.002	787466	0	
76 Hexachlorobenzene	284	11.684	11.686	-0.002	682994	8.95	
78 Pentachlorophenol	266	11.837	11.835	0.002	343264	8.04	
79 Pentachloronitrobenzene	237	11.847	11.850	-0.003	318895	0	
80 Phenanthrene	178	12.044	12.042	0.002	3990623	8.65	
81 Anthracene	178	12.088	12.090	-0.002	3971401	9.13	

Report Date: 21-Sep-2009 12:48:13 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10407.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	12.208	12.206	0.002	3303497	8.79	
84 Di-n-butyl phthalate	149	12.434	12.432	0.002	4687380	8.72	
87 Fluoranthene	202	13.299	13.297	0.002	3708490	8.91	
86 Benzidine	184	13.405	13.403	0.002	2721292	8.48	
85 Pyrene	202	13.626	13.629	-0.003	3975649	8.77	
89 Butyl benzyl phthalate	149	14.526	14.523	0.003	1901811	9.64	
92 Bis(2-ethylhexyl) phthalate	149	15.608	15.605	0.003	2510875	9.45	
91 3,3'-Dichlorobenzidine	252	15.632	15.630	0.002	2145303	8.62	
93 Benzo[a]anthracene	228	15.718	15.716	0.002	2740647	8.75	
94 Chrysene	228	15.781	15.779	0.002	2562761	8.47	
95 Di-n-octyl phthalate	149	16.646	16.649	-0.003	3329246	8.40	
97 Benzo[b]fluoranthene	252	17.531	17.515	0.016	2040946	9.02	
98 Benzo[k]fluoranthene	252	17.584	17.573	0.011	1940987	9.31	
99 Benzo[a]pyrene	252	18.195	18.197	-0.002	1535695	8.61	
100 Indeno[1,2,3-cd]pyrene	276	20.955	20.953	0.002	998791	8.07	
101 Dibenz(a,h)anthracene	278	20.979	20.967	0.012	777075	8.61	
102 Benzo[g,h,i]perylene	276	21.763	21.766	-0.003	798019	8.77	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 21-Sep-2009 12:48:13 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10407.D

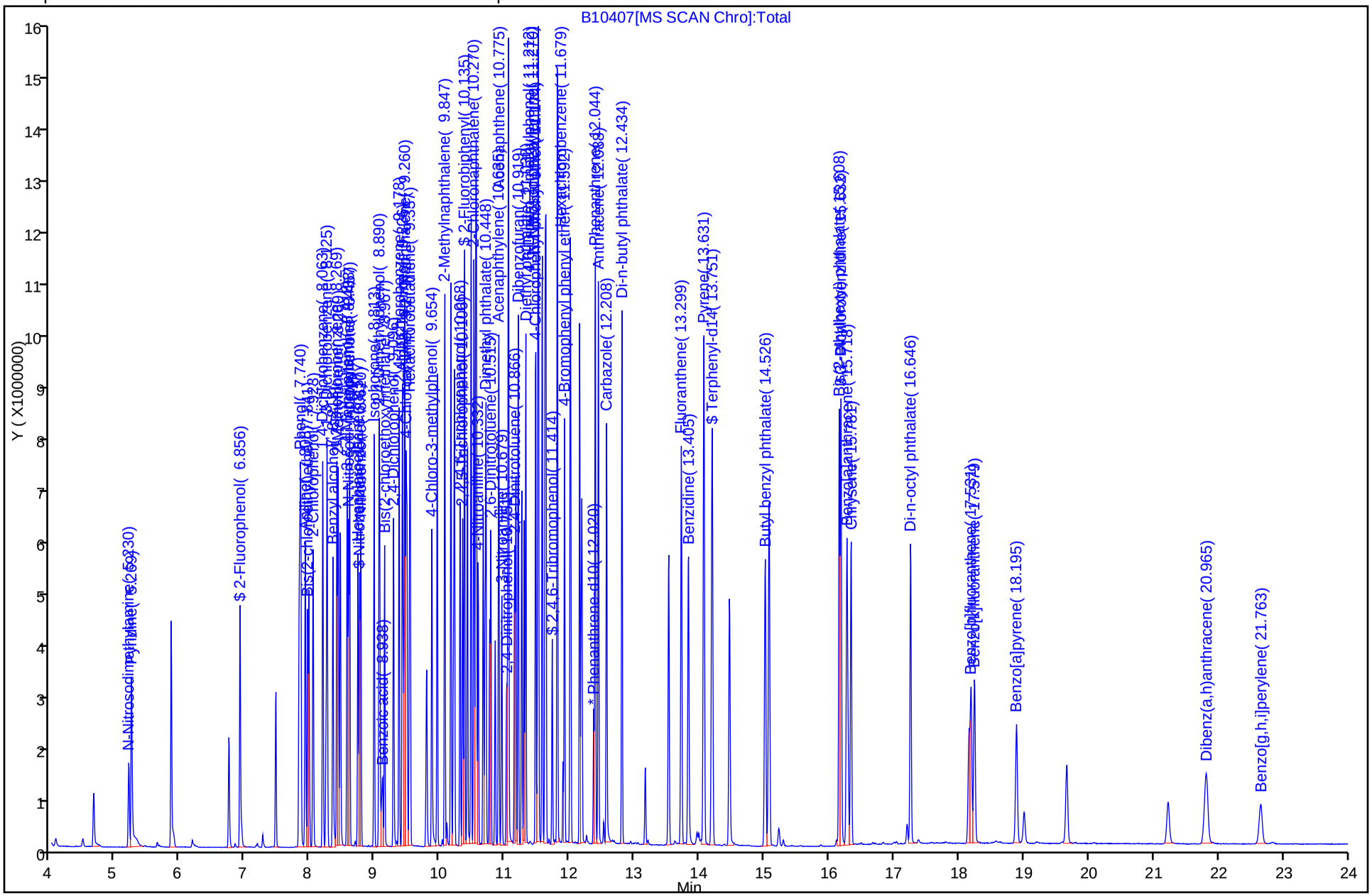
Inj Date: 18-Sep-2009 19:46:30 Limit Group: SMS - 625LL SVOA Calibration

Lims Batch ID: 49189 Lims Sample ID: 8

Client ID: Instrument: Inst. B

Sample Info: std8

Sample Amount: 2.00 uL Operator: MZ



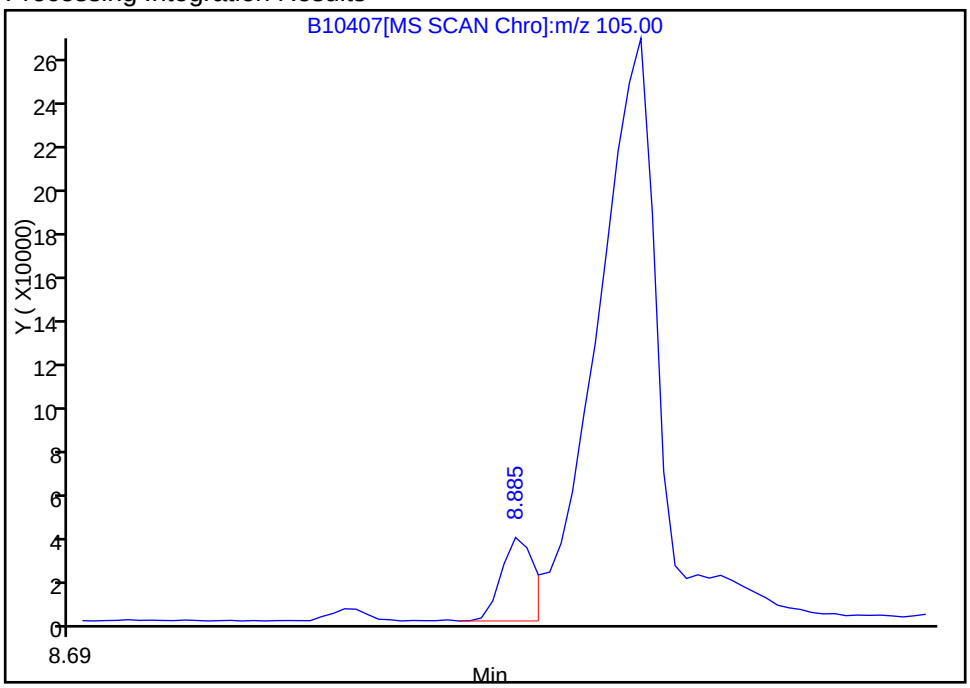
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10407.D		
Inj Date:	18-Sep-2009 19:46:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	8
Client ID:		Instrument:	Inst. B
Sample Info:	std8		
Sample Amount:	2.00 uL	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 8.94

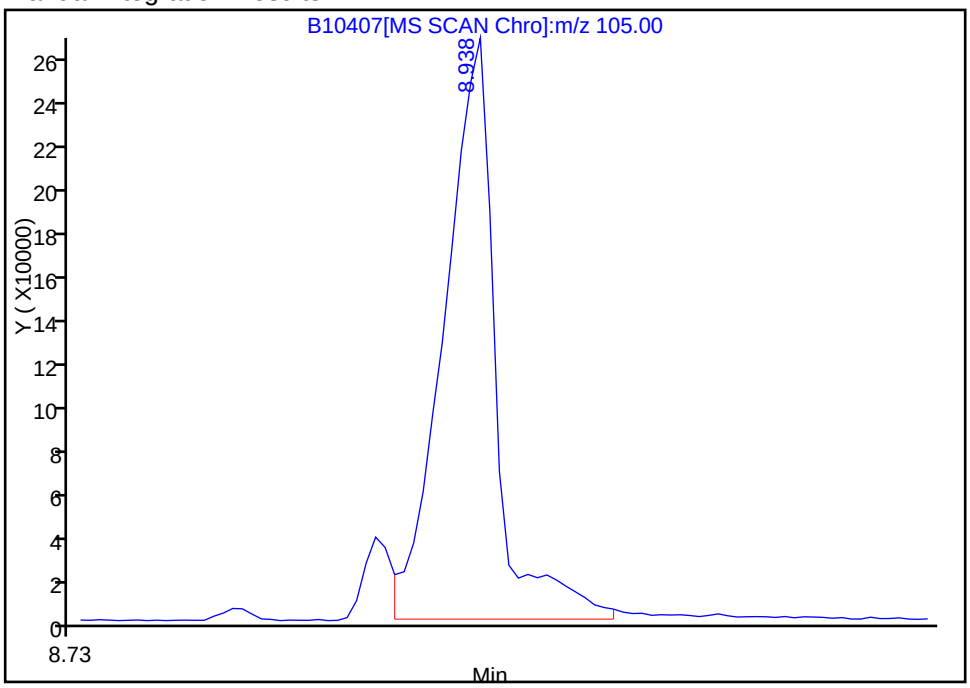
Processing Integration Results

RT: 8.88
Response: 37572
Amount: 1.467995



Manual Integration Results

RT: 8.94
Response: 487197
Amount: 7.187877



Reviewer: sullivanp, 21-Sep-2009 12:48:12
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10408.D		
Lims ID:	STD10	Client ID:	
Inject. Date:	18-Sep-2009 20:17:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	8
Sample ID:	std10		
Misc. Info.:	360-0001228-009		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	9
Lims Batch ID:	49189	Lims Sample ID:	9
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\8270B.m		
Last Update:	21-Sep-2009 12:38:46	Calib Date:	18-Sep-2009 20:17:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10408.D		
Limit Group:	SMS - 625LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 21-Sep-2009 12:38:46

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.111	8.113	-0.002	623830	2.00	
* 2 Naphthalene-d8	136	9.241	9.243	-0.002	1560756	2.00	
* 3 Acenaphthene-d10	164	10.746	10.749	-0.003	507692	2.00	
* 4 Phenanthrene-d10	188	12.021	12.018	0.003	841956	2.00	
* 5 Chrysene-d12	240	15.738	15.735	0.003	701988	2.00	
* 6 Perylene-d12	264	18.306	18.308	-0.002	387795	2.00	
$ 7 2-Fluorophenol	112	6.856	6.863	-0.007	1447585	8.68	
$ 8 Phenol-d5	99	7.731	7.729	0.002	1796809	0	
$ 9 Nitrobenzene-d5	82	8.602	8.604	-0.002	1732382	8.47	
$ 10 2-Fluorobiphenyl	172	10.136	10.133	0.003	3479812	10.8	
$ 11 2,4,6-Tribromophenol	330	11.415	11.417	-0.002	298236	10.3	
$ 12 Terphenyl-d14	244	13.752	13.749	0.003	2746460	10.7	
14 1,4-Dioxane	88	4.711	4.752	-0.041	495634	0	
15 N-Nitrosodimethylamine	42	5.226	5.247	-0.021	990663	8.57	
16 Pyridine	79	5.264	5.339	-0.075	1228951	8.72	
17 Benzaldehyde	105	7.717	7.719	-0.002	759810	0	
18 Phenol	94	7.746	7.743	0.003	1855978	9.05	
19 Aniline	93	7.808	7.810	-0.002	2093095	9.62	
20 Bis(2-chloroethyl)ether	93	7.842	7.844	-0.002	1456110	8.29	
21 2-Chlorophenol	128	7.924	7.926	-0.002	1565170	8.71	
22 1,4-Dichlorobenzene	146	8.063	8.065	-0.002	1867660	8.37	
23 1,3-Dichlorobenzene	146	8.126	8.128	-0.002	1937237	8.36	
24 Benzyl alcohol	79	8.212	8.210	0.002	1207942	9.59	
25 1,2-Dichlorobenzene	146	8.270	8.272	-0.002	1762264	8.24	
26 2-Methylphenol	108	8.289	8.291	-0.002	1440126	8.59	
27 2,2'-oxybis[1-chloropropane]	45	8.318	8.320	-0.002	2611195	0	
28 3 & 4 Methylphenol	108	8.419	8.416	0.003	1459051	8.69	
29 N-Nitrosodi-n-propylamine	70	8.438	8.436	0.002	1068649	9.08	
30 Acetophenone	105	8.458	8.455	0.003	2132233	8.55	
31 Hexachloroethane	117	8.578	8.580	-0.002	659867	8.57	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.621	8.618	0.003	1667978	8.36	
33 Isophorone	82	8.813	8.815	-0.002	2872559	8.89	
35 2,4-Dimethylphenol	107	8.885	8.883	0.002	1275508	8.33	
34 2-Nitrophenol	139	8.895	8.897	-0.002	900452	9.63	
36 Benzoic acid	105	8.948	8.912	0.036	761734	19.0	
37 Bis(2-chloroethoxy)methane	93	8.967	8.965	0.003	1645909	8.17	
38 2,4-Dichlorophenol	162	9.097	9.099	-0.002	1292895	9.07	
39 1,2,4-Trichlorobenzene	180	9.179	9.181	-0.002	1450700	9.43	
40 Alpha-Terpineol	59	9.227	9.224	0.003	1353289	8.87	
41 Naphthalene	128	9.261	9.263	-0.002	4754903	9.33	
42 4-Chloroaniline	127	9.280	9.277	0.003	2105806	10.2	
43 Hexachlorobutadiene	225	9.342	9.340	0.002	768612	8.52	
44 Caprolactam	55	9.583	9.570	0.013	733518	0	
45 4-Chloro-3-methylphenol	107	9.660	9.652	0.008	1315646	9.48	
46 2-Methylnaphthalene	142	9.847	9.845	0.002	3083659	8.23	
47 1-Methylnaphthalene	142	9.934	9.936	-0.002	3131746	0	
48 Hexachlorocyclopentadiene	237	9.972	9.970	0.002	493079	10.1	
49 1,2,4,5-Tetrachlorobenzene	216	9.987	9.989	-0.002	1320798	0	
50 2,4,6-Trichlorophenol	196	10.068	10.071	-0.003	846830	11.9	
51 2,4,5-Trichlorophenol	196	10.107	10.104	0.003	918787	12.0	
52 1,1'-Biphenyl	154	10.232	10.229	0.003	3842872	0	
53 2-Chloronaphthalene	162	10.270	10.273	-0.002	3483693	10.8	
54 Phenyl ether	170	10.309	10.306	0.003	2167594	0	
68 4-Nitroaniline	138	10.338	10.335	0.003	1037785	10.7	
56 Dimethyl phthalate	163	10.448	10.446	0.002	3336335	10.8	
57 2,6-Dinitrotoluene	165	10.520	10.518	0.002	800786	11.7	
58 Acenaphthylene	152	10.636	10.633	0.003	4483920	11.1	
59 3-Nitroaniline	138	10.679	10.676	0.003	790563	12.0	
60 2,4-Dinitrophenol	184	10.761	10.758	0.003	312574	10.1	
62 4-Nitrophenol	109	10.771	10.768	0.003	465779	10.5	
61 Acenaphthene	153	10.775	10.777	-0.002	3224777	11.2	
63 2,4-Dinitrotoluene	165	10.867	10.864	0.003	1026820	10.6	
64 Dibenzofuran	168	10.920	10.917	0.003	4032964	10.7	
65 2,3,4,6-Tetrachlorophenol	232	11.006	11.003	0.003	672210	0	
66 Diethyl phthalate	149	11.030	11.027	0.003	3391611	10.8	
67 4-Chlorophenyl phenyl ether	204	11.174	11.172	0.002	1567324	11.3	
55 2-Nitroaniline	65	11.203	11.196	0.007	936487	10.2	
69 Fluorene	166	11.213	11.210	0.003	3621967	11.4	
70 4,6-Dinitro-2-methylphenol	198	11.218	11.215	0.003	480448	10.3	
71 Diphenylamine	169	11.271	11.268	0.003	2966023	0	
72 N-Nitrosodiphenylamine	169	11.271	11.268	0.003	2966023	11.3	
73 1,2-Diphenylhydrazine	77	11.314	11.311	0.003	5414824	11.3	
74 Azobenzene	77	11.314	11.311	0.003	5414824	0	
13 Benzophenone	105	11.324	11.321	0.003	3420577	0	
75 4-Bromophenyl phenyl ether	248	11.598	11.595	0.003	815112	11.0	
77 Atrazine	200	11.679	11.677	0.002	908726	0	
76 Hexachlorobenzene	284	11.689	11.686	0.003	785434	11.4	
78 Pentachlorophenol	266	11.838	11.835	0.003	413580	9.93	
79 Pentachloronitrobenzene	237	11.848	11.850	-0.002	372385	0	
80 Phenanthrene	178	12.045	12.042	0.003	4490598	10.5	
81 Anthracene	178	12.088	12.090	-0.002	4501311	11.3	
83 Carbazole	167	12.208	12.206	0.002	3756258	11.0	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	12.434	12.432	0.002	5269975	10.5	
87 Fluoranthene	202	13.300	13.297	0.003	4290124	11.3	
86 Benzidine	184	13.406	13.403	0.003	3039529	10.1	
85 Pyrene	202	13.632	13.629	0.003	4606984	10.7	
89 Butyl benzyl phthalate	149	14.526	14.523	0.003	2221566	12.1	
92 Bis(2-ethylhexyl) phthalate	149	15.608	15.605	0.003	3014144	12.1	
91 3,3'-Dichlorobenzidine	252	15.637	15.630	0.007	2603492	9.91	
93 Benzo[a]anthracene	228	15.719	15.716	0.003	3259183	11.0	
94 Chrysene	228	15.781	15.779	0.002	3039031	10.6	
95 Di-n-octyl phthalate	149	16.647	16.649	-0.002	4024097	9.85	
97 Benzo[b]fluoranthene	252	17.532	17.515	0.017	2460049	11.4	
98 Benzo[k]fluoranthene	252	17.585	17.573	0.012	2406770	12.1	
99 Benzo[a]pyrene	252	18.200	18.197	0.003	1927903	10.4	
100 Indeno[1,2,3-cd]pyrene	276	20.956	20.953	0.003	1236809	10.3	
101 Dibenz(a,h)anthracene	278	20.984	20.967	0.017	980268	10.4	
102 Benzo[g,h,i]perylene	276	21.768	21.766	0.002	995210	11.3	

Report Date: 21-Sep-2009 12:38:47 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10408.D

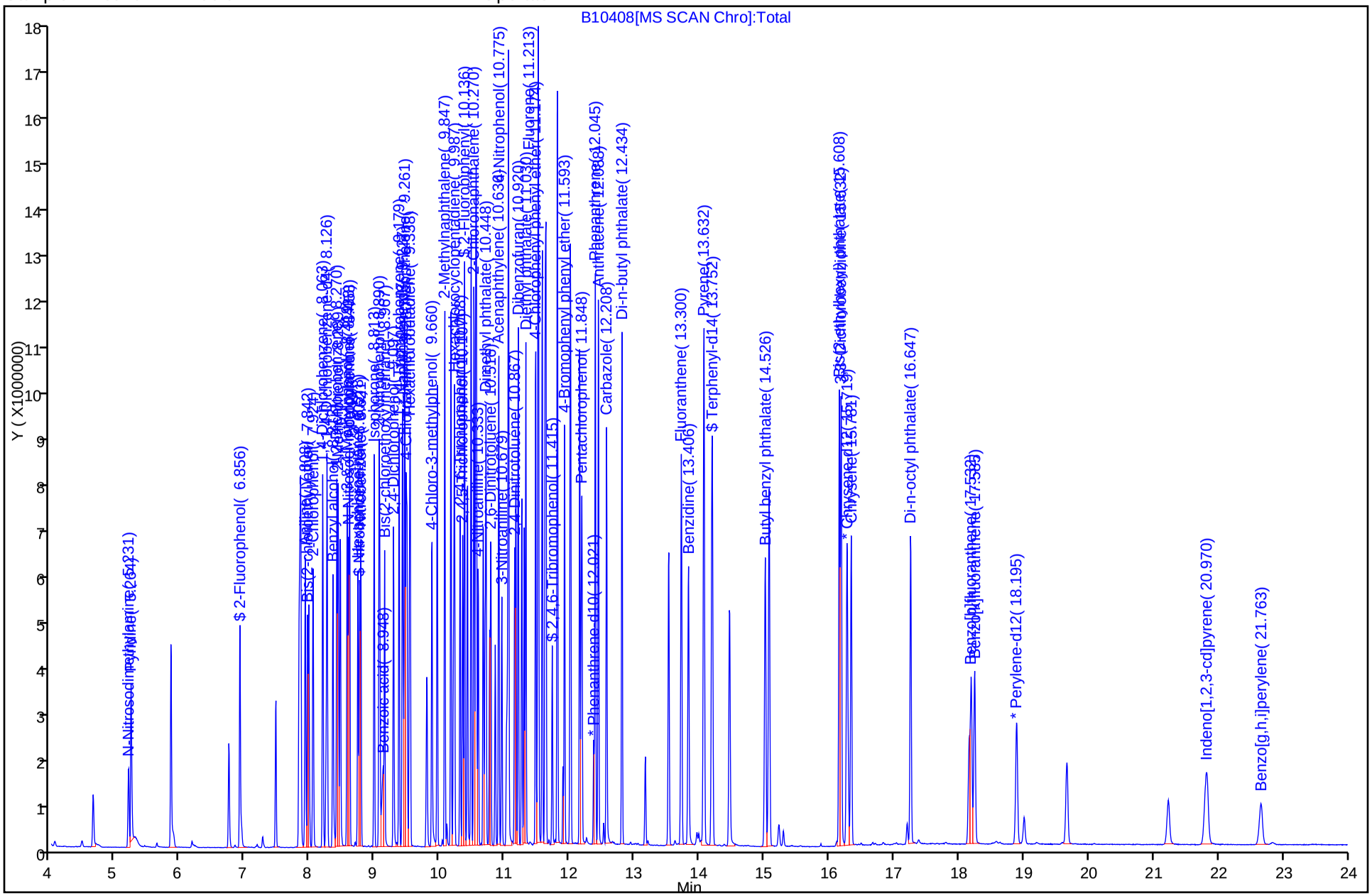
Inj Date: 18-Sep-2009 20:17:30 Limit Group: SMS - 625LL SVOA Calibration

Lims Batch ID: 49189 Lims Sample ID: 9

Client ID: Instrument: Inst. B

Sample Info: std10

Sample Amount: 2.00 uL Operator: MZ

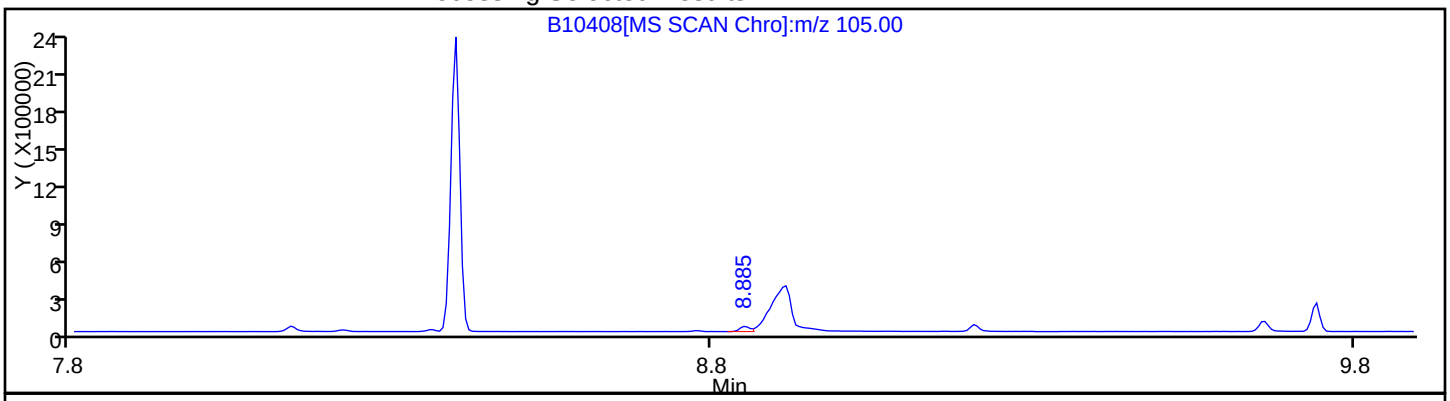


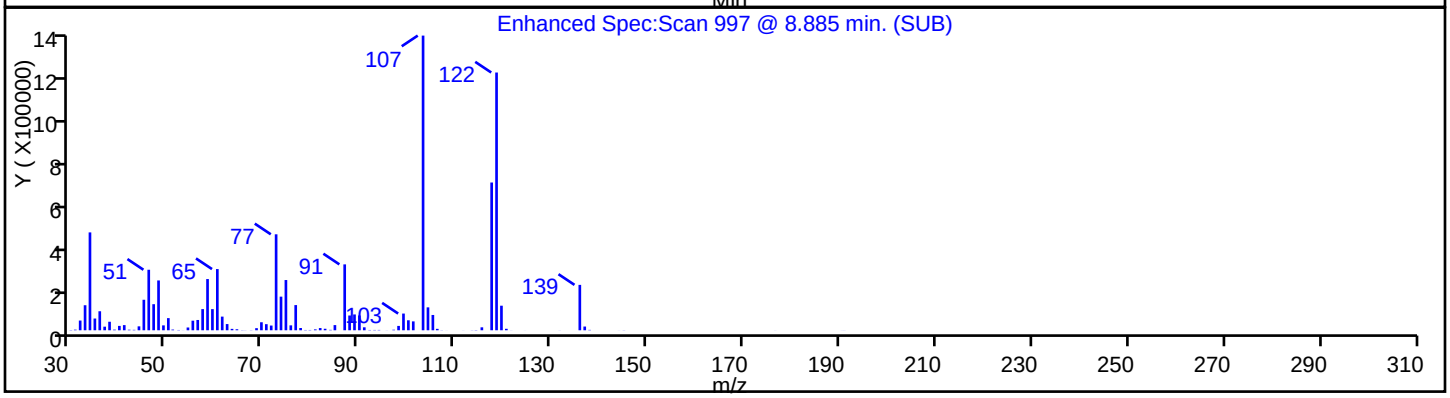
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10408.D		
Inj Date:	18-Sep-2009 20:17:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	9
Client ID:		Instrument:	Inst. B
Sample Info:	std10		
Sample Amount:	2.00 uL	Operator:	MZ

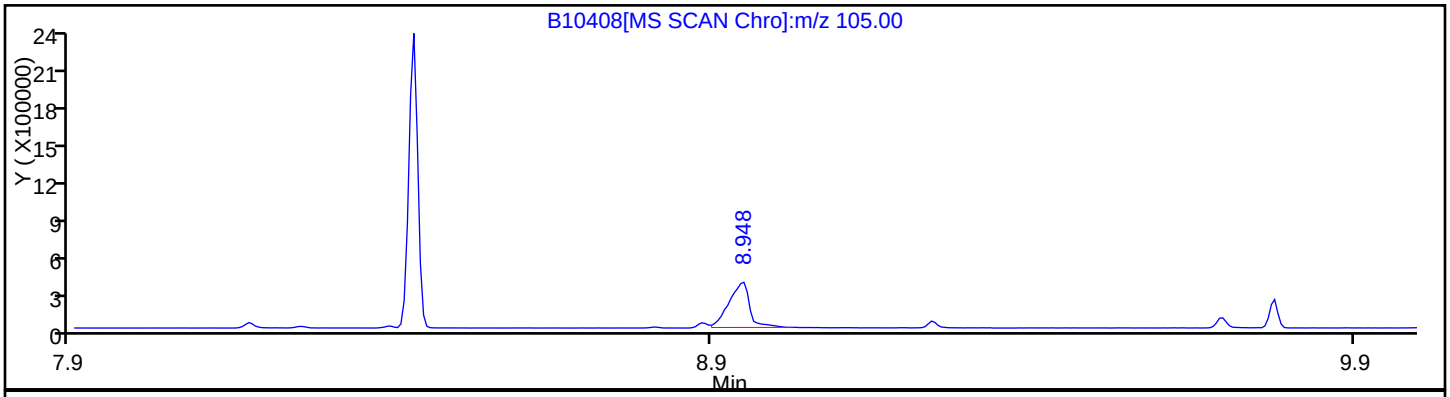
36 Benzoic acid

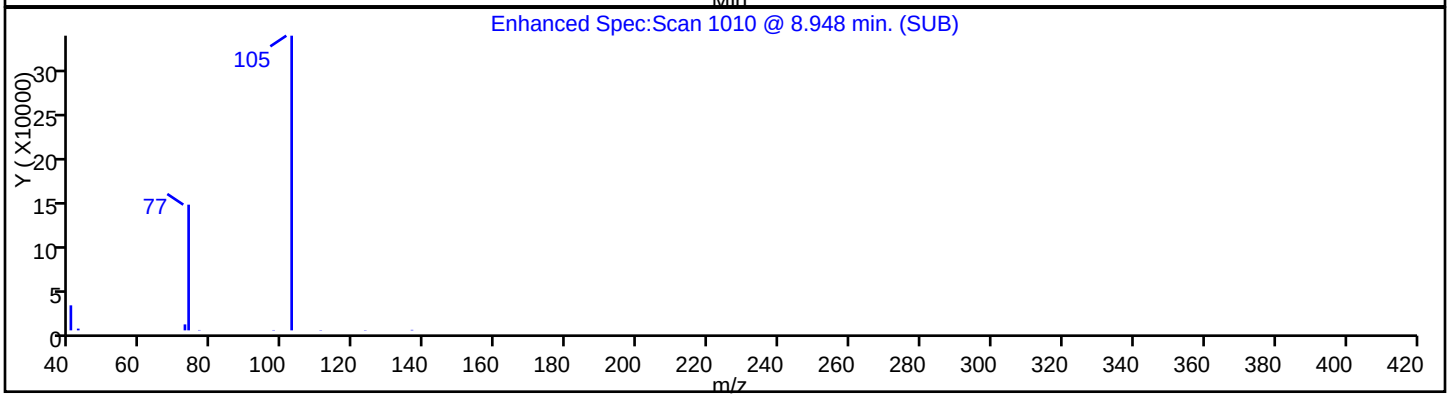
Processing Selected Results





Manual Selected Results





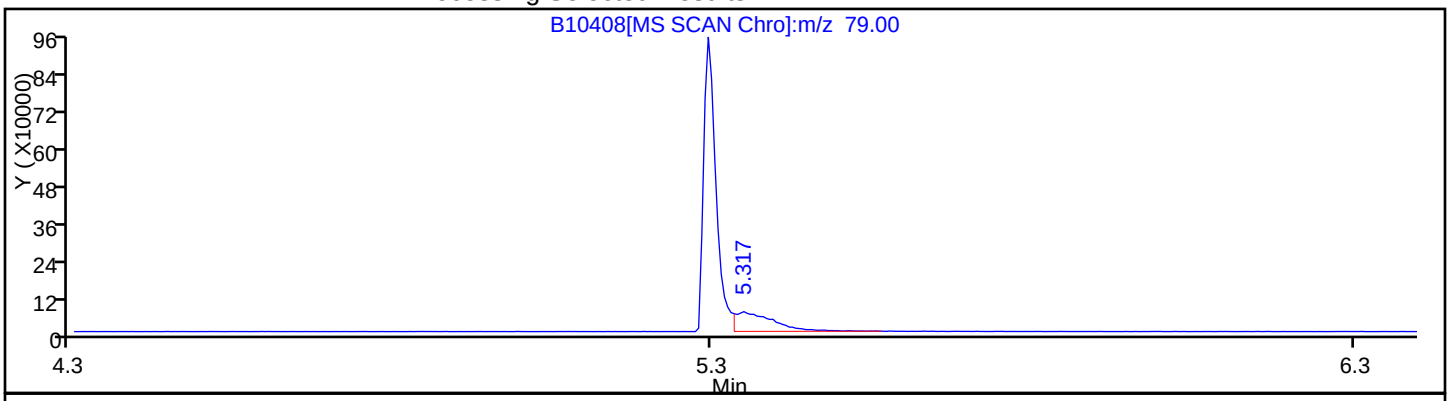
Reviewer: sullivanp, 21-Sep-2009 12:38:46
Audit Action: Selected Alternate Hit
Audit Reason:

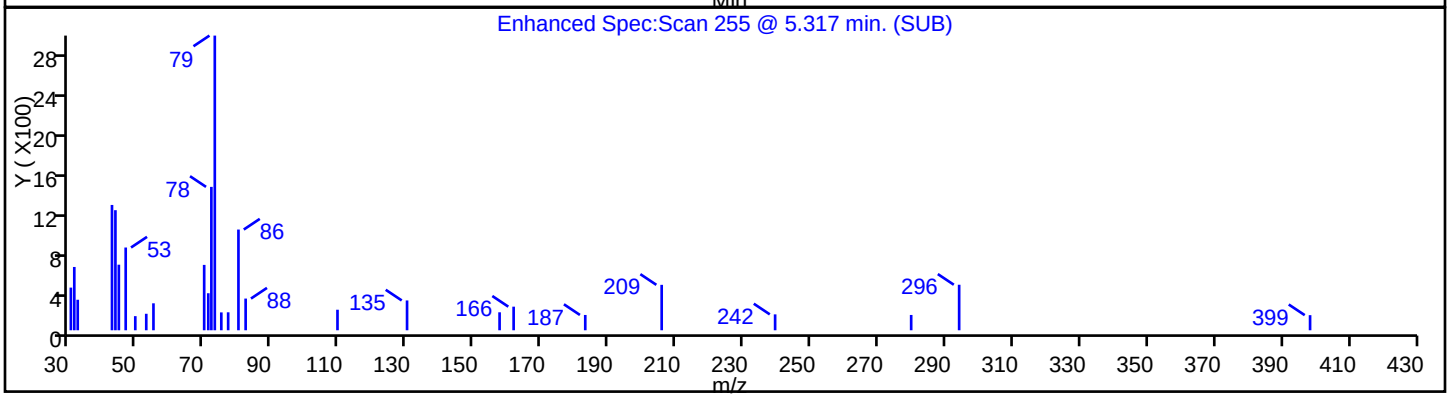
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10408.D		
Inj Date:	18-Sep-2009 20:17:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	9
Client ID:		Instrument:	Inst. B
Sample Info:	std10		
Sample Amount:	2.00 uL	Operator:	MZ

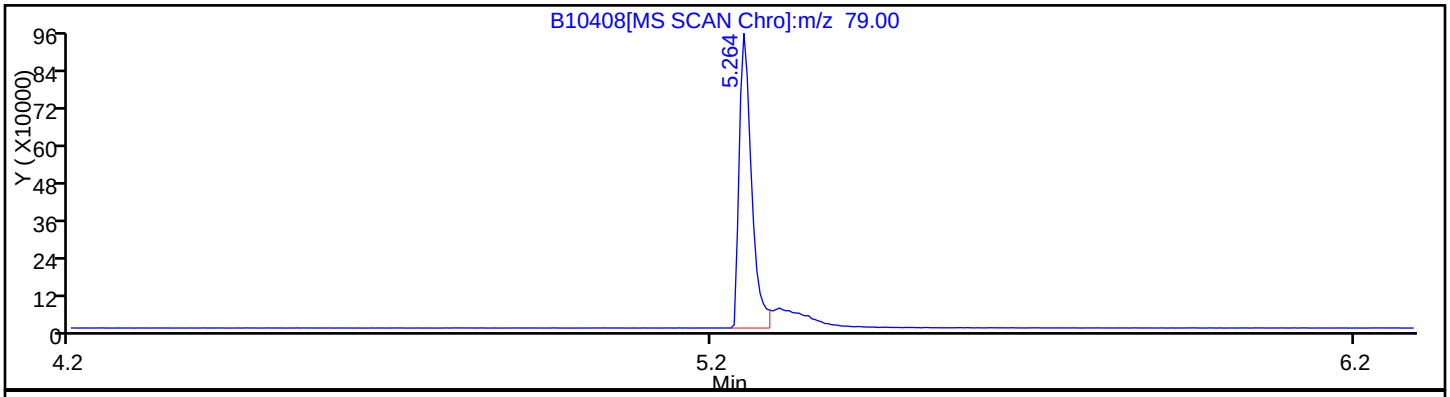
16 Pyridine

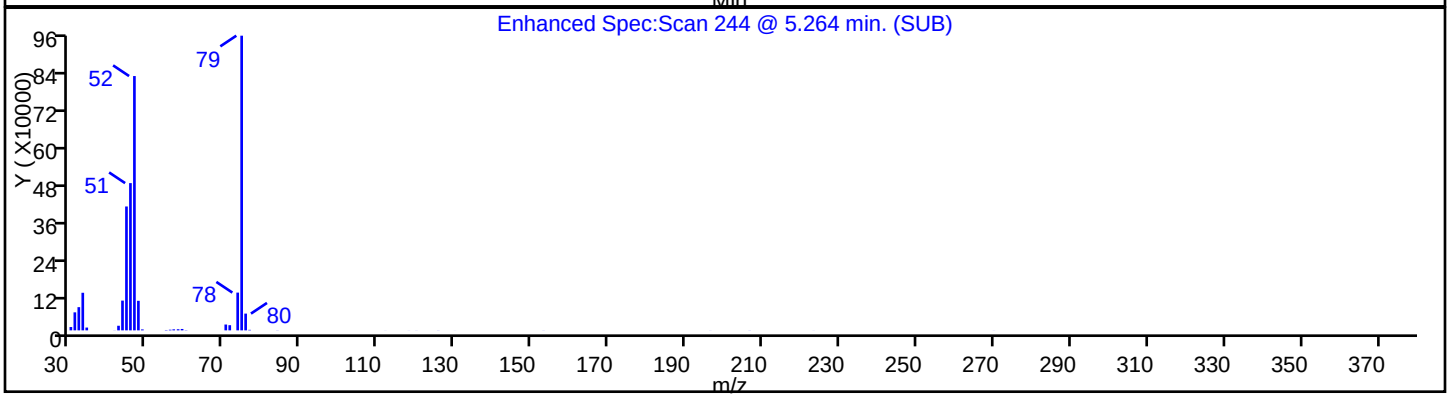
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 21-Sep-2009 12:38:46
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10409.D		
Lims ID:	STD20	Client ID:	
Inject. Date:	18-Sep-2009 20:49:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	9
Sample ID:	std20		
Misc. Info.:	360-0001228-010		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	10
Lims Batch ID:	49189	Lims Sample ID:	10
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\8270B.m		
Last Update:	21-Sep-2009 12:46:24	Calib Date:	18-Sep-2009 20:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10409.D		
Limit Group:	SMS - 625LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 21-Sep-2009 12:46:24

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.114	8.113	0.001	459548	2.00	
* 2 Naphthalene-d8	136	9.239	9.243	-0.004	2369512	2.00	
* 3 Acenaphthene-d10	164	10.749	10.749	0.000	588396	2.00	
* 4 Phenanthrene-d10	188	12.023	12.018	0.005	1003000	2.00	
* 5 Chrysene-d12	240	15.741	15.735	0.006	855667	2.00	
* 6 Perylene-d12	264	18.313	18.308	0.005	444254	2.00	
$ 7 2-Fluorophenol	112	6.859	6.863	-0.004	3005115	23.9	
$ 8 Phenol-d5	99	7.739	7.729	0.010	3767790	0	
$ 9 Nitrobenzene-d5	82	8.609	8.604	0.005	3438677	19.0	
$ 10 2-Fluorobiphenyl	172	10.138	10.133	0.005	6375815	17.3	
$ 11 2,4,6-Tribromophenol	330	11.422	11.417	0.005	666946	20.1	
$ 12 Terphenyl-d14	244	13.759	13.749	0.010	5676203	18.3	
14 1,4-Dioxane	88	4.728	4.752	-0.024	1110967	0	
15 N-Nitrosodimethylamine	42	5.243	5.247	-0.004	2010654	23.1	
16 Pyridine	79	5.277	5.339	-0.062	2599333	24.3	
17 Benzaldehyde	105	7.719	7.719	0.000	1464422	0	5
18 Phenol	94	7.753	7.743	0.010	3846678	24.7	
19 Aniline	93	7.816	7.810	0.006	4313854	20.1	
20 Bis(2-chloroethyl)ether	93	7.849	7.844	0.005	3000591	22.8	
21 2-Chlorophenol	128	7.926	7.926	0.000	3260265	24.0	
22 1,4-Dichlorobenzene	146	8.066	8.065	0.001	3792344	22.7	
23 1,3-Dichlorobenzene	146	8.128	8.128	0.000	3921275	22.6	
24 Benzyl alcohol	79	8.220	8.210	0.010	2565665	20.1	
25 1,2-Dichlorobenzene	146	8.272	8.272	0.000	3611892	22.6	
26 2-Methylphenol	108	8.297	8.291	0.005	3062372	24.1	
27 2,2'-oxybis[1-chloropropane]	45	8.321	8.320	0.001	5105334	0	
28 3 & 4 Methylphenol	108	8.426	8.416	0.010	3102019	24.4	
29 N-Nitrosodi-n-propylamine	70	8.450	8.436	0.014	2266710	25.3	
30 Acetophenone	105	8.460	8.455	0.005	4415100	23.5	
31 Hexachloroethane	117	8.580	8.580	0.000	1418879	24.3	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.624	8.618	0.006	3422498	19.5	
33 Isophorone	82	8.821	8.815	0.006	5634646	18.4	
35 2,4-Dimethylphenol	107	8.893	8.883	0.010	2906040	20.1	
34 2-Nitrophenol	139	8.898	8.897	0.001	1943412	14.2	
36 Benzoic acid	105	8.975	8.912	0.063	2161674	32.0	
37 Bis(2-chloroethoxy)methane	93	8.970	8.965	0.006	3479303	19.8	
38 2,4-Dichlorophenol	162	9.104	9.099	0.005	2673877	12.9	
39 1,2,4-Trichlorobenzene	180	9.181	9.181	0.000	2980800	19.5	
40 Alpha-Terpineol	59	9.234	9.224	0.010	2805227	19.5	
41 Naphthalene	128	9.263	9.263	0.000	8286738	14.0	
42 4-Chloroaniline	127	9.282	9.277	0.005	3983084	16.1	
43 Hexachlorobutadiene	225	9.345	9.340	0.005	1581739	19.5	
44 Caprolactam	55	9.609	9.570	0.039	1487337	0	
45 4-Chloro-3-methylphenol	107	9.662	9.652	0.010	2754507	13.6	
46 2-Methylnaphthalene	142	9.850	9.845	0.005	5846720	17.3	5
47 1-Methylnaphthalene	142	9.936	9.936	0.000	5916434	0	
48 Hexachlorocyclopentadiene	237	9.975	9.970	0.005	1095675	20.1	
49 1,2,4,5-Tetrachlorobenzene	216	9.989	9.989	0.000	2693048	0	
50 2,4,6-Trichlorophenol	196	10.071	10.071	0.000	1785118	21.4	
51 2,4,5-Trichlorophenol	196	10.114	10.104	0.010	1913634	21.4	
52 1,1'-Biphenyl	154	10.234	10.229	0.005	6773641	0	
53 2-Chloronaphthalene	162	10.278	10.273	0.006	6549166	17.8	
54 Phenyl ether	170	10.311	10.306	0.005	4268587	0	
68 4-Nitroaniline	138	10.340	10.335	0.005	2179575	19.6	
56 Dimethyl phthalate	163	10.456	10.446	0.010	6426222	18.2	
57 2,6-Dinitrotoluene	165	10.523	10.518	0.005	1696746	21.2	
58 Acenaphthylene	152	10.638	10.633	0.005	7773673	17.0	
59 3-Nitroaniline	138	10.686	10.676	0.010	1635602	21.3	
60 2,4-Dinitrophenol	184	10.768	10.758	0.010	799535	20.5	
62 4-Nitrophenol	109	10.783	10.768	0.015	992928	19.4	
61 Acenaphthene	153	10.778	10.777	0.001	5942811	18.0	
63 2,4-Dinitrotoluene	165	10.874	10.864	0.010	2211226	19.8	
64 Dibenzofuran	168	10.922	10.917	0.005	7161875	16.7	
65 2,3,4,6-Tetrachlorophenol	232	11.009	11.003	0.006	1440259	0	
66 Diethyl phthalate	149	11.033	11.027	0.006	6335868	17.7	
67 4-Chlorophenyl phenyl ether	204	11.177	11.172	0.005	3181172	19.8	
55 2-Nitroaniline	65	11.211	11.196	0.015	1968189	19.6	
69 Fluorene	166	11.215	11.210	0.005	6490687	17.8	
70 4,6-Dinitro-2-methylphenol	198	11.225	11.215	0.010	1095988	20.1	
71 Diphenylamine	169	11.273	11.268	0.005	5674683	0	
72 N-Nitrosodiphenylamine	169	11.273	11.268	0.005	5674683	18.4	
73 1,2-Diphenylhydrazine	77	11.316	11.311	0.005	9807064	17.4	
74 Azobenzene	77	11.316	11.311	0.005	9807064	0	
13 Benzophenone	105	11.326	11.321	0.005	6559038	0	
75 4-Bromophenyl phenyl ether	248	11.600	11.595	0.005	1705961	19.4	
77 Atrazine	200	11.682	11.677	0.005	1772289	0	
76 Hexachlorobenzene	284	11.687	11.686	0.001	1626637	19.9	
78 Pentachlorophenol	266	11.841	11.835	0.006	965659	19.9	
79 Pentachloronitrobenzene	237	11.850	11.850	0.000	787646	0	
80 Phenanthrene	178	12.047	12.042	0.005	7878202	15.9	
81 Anthracene	178	12.095	12.090	0.005	7896330	16.9	
83 Carbazole	167	12.211	12.206	0.005	7312969	18.1	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	12.437	12.432	0.005	8555433	14.8	
87 Fluoranthene	202	13.307	13.297	0.010	8313726	18.6	
86 Benzidine	184	13.413	13.403	0.010	7267801	20.1	
85 Pyrene	202	13.634	13.629	0.005	8871744	17.2	
89 Butyl benzyl phthalate	149	14.529	14.523	0.006	4585321	20.4	
92 Bis(2-ethylhexyl) phthalate	149	15.611	15.605	0.006	5842286	19.3	
91 3,3'-Dichlorobenzidine	252	15.644	15.630	0.014	5557232	19.5	
93 Benzo[a]anthracene	228	15.726	15.716	0.010	6690869	18.7	
94 Chrysene	228	15.789	15.779	0.010	6307857	18.3	
95 Di-n-octyl phthalate	149	16.654	16.649	0.005	7557785	19.7	
97 Benzo[b]fluoranthene	252	17.544	17.515	0.029	5012955	20.2	
98 Benzo[k]fluoranthene	252	17.597	17.573	0.024	4717785	20.6	
99 Benzo[a]pyrene	252	18.207	18.197	0.010	3770087	19.2	
100 Indeno[1,2,3-cd]pyrene	276	20.977	20.953	0.024	2322263	19.8	
101 Dibenz(a,h)anthracene	278	20.992	20.967	0.025	1879802	18.9	
102 Benzo[g,h,i]perylene	276	21.780	21.766	0.014	1807027	18.1	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 21-Sep-2009 12:46:26 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10409.D

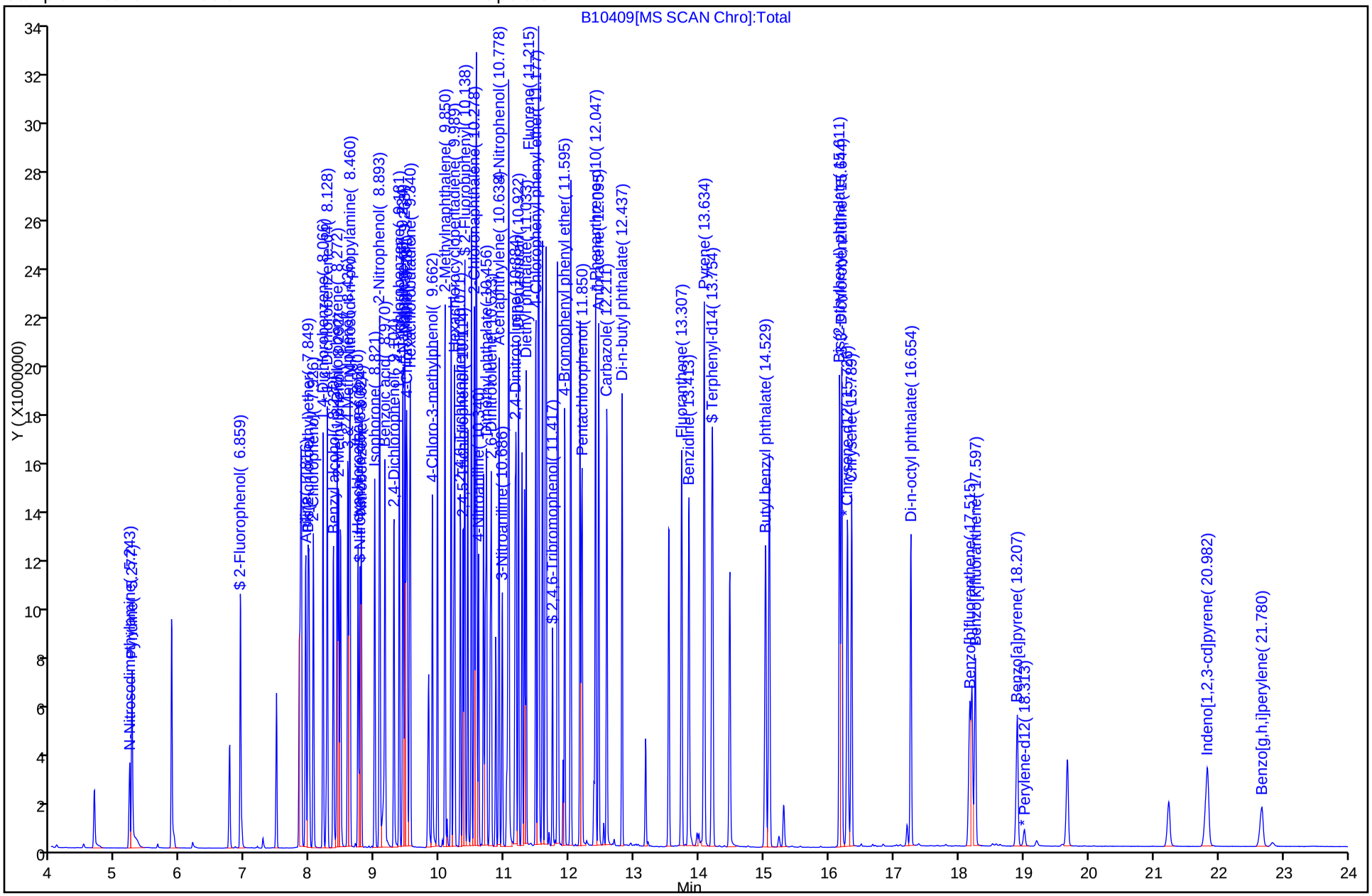
Inj Date: 18-Sep-2009 20:49:30 Limit Group: SMS - 625LL SVOA Calibration

Lims Batch ID: 49189 Lims Sample ID: 10

Client ID: Instrument: Inst. B

Sample Info: std20

Sample Amount: 2.00 uL Operator: MZ

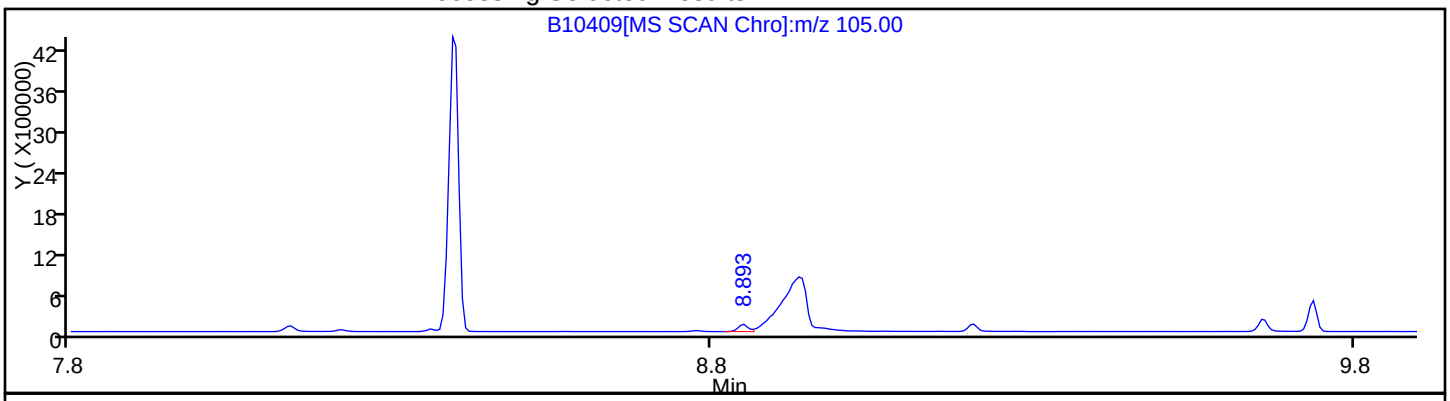


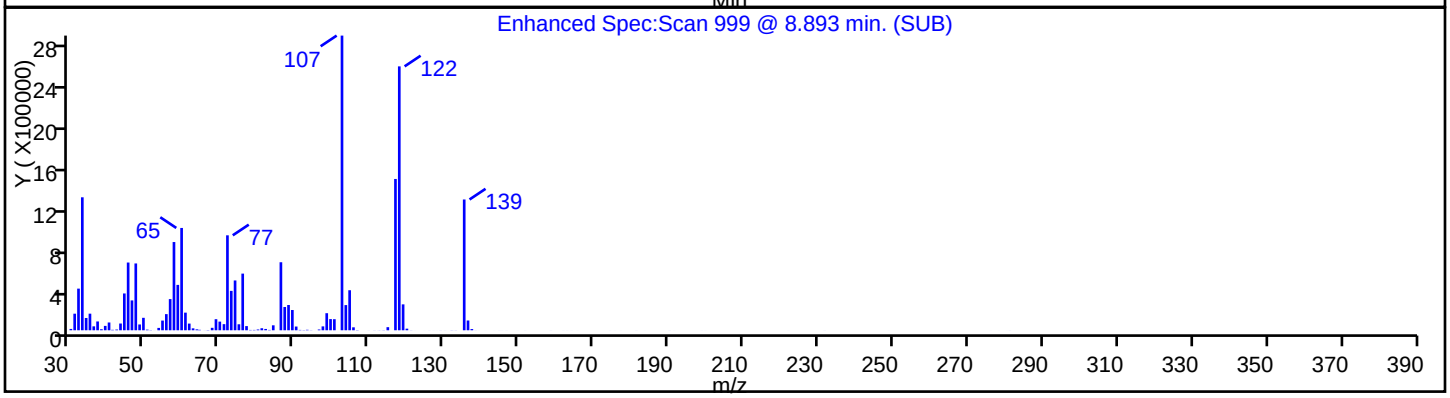
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10409.D		
Inj Date:	18-Sep-2009 20:49:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	2.00 uL	Operator:	MZ

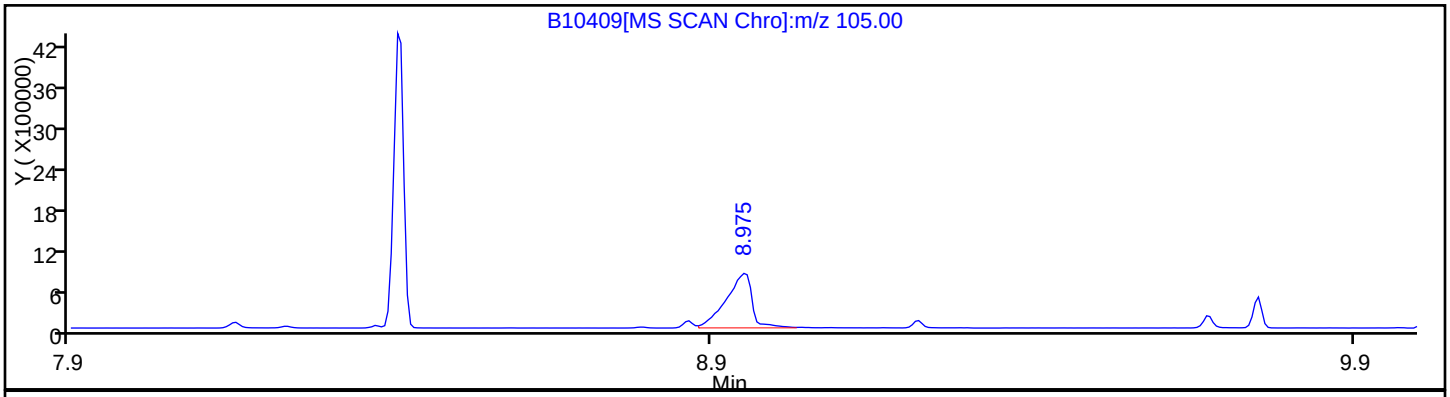
36 Benzoic acid

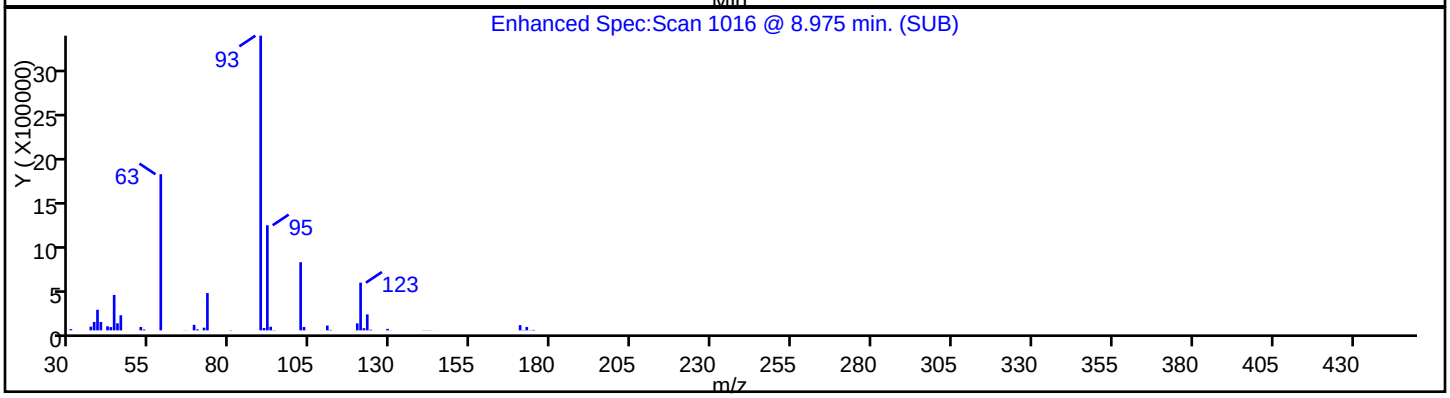
Processing Selected Results





Manual Selected Results





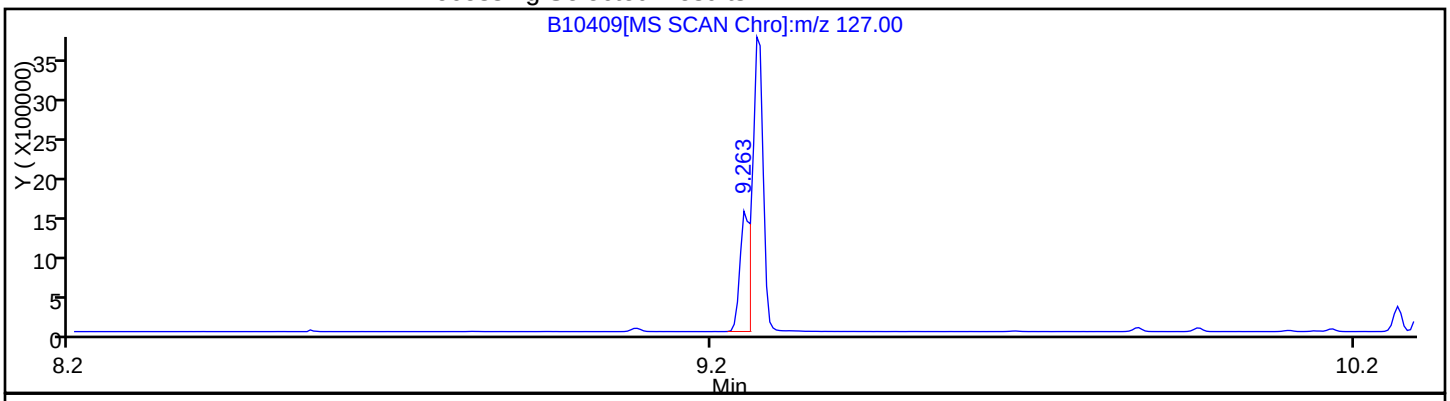
Reviewer: sullivanp, 21-Sep-2009 12:46:24
Audit Action: Selected Alternate Hit
Audit Reason:

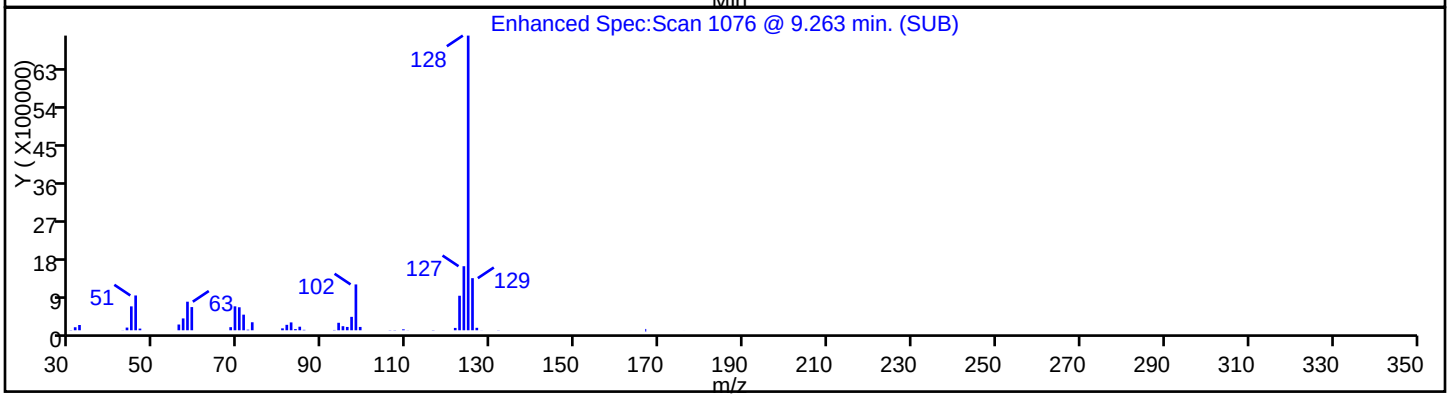
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10409.D		
Inj Date:	18-Sep-2009 20:49:30	Limit Group:	SMS - 625LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	2.00 uL	Operator:	MZ

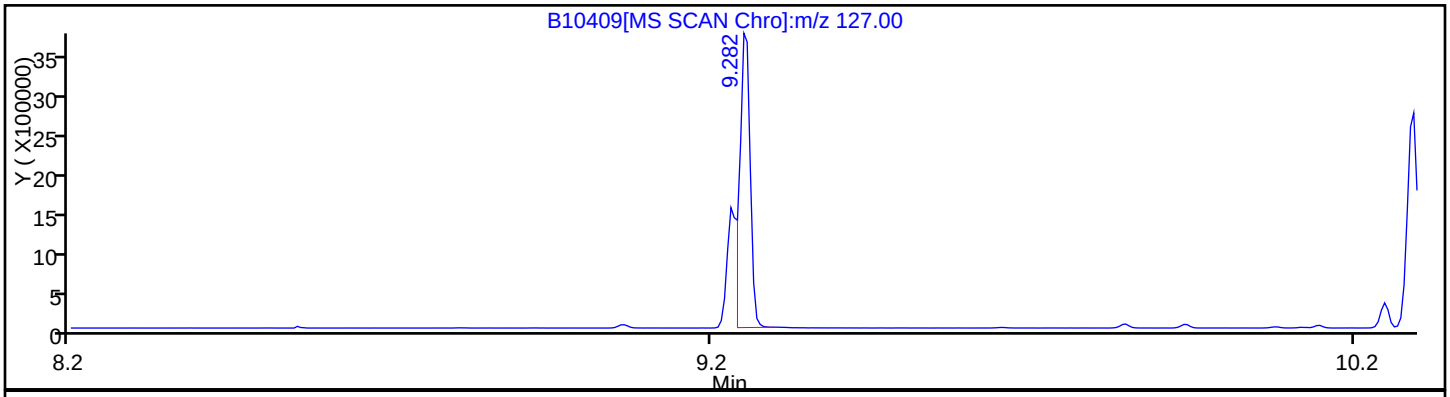
42 4-Chloroaniline

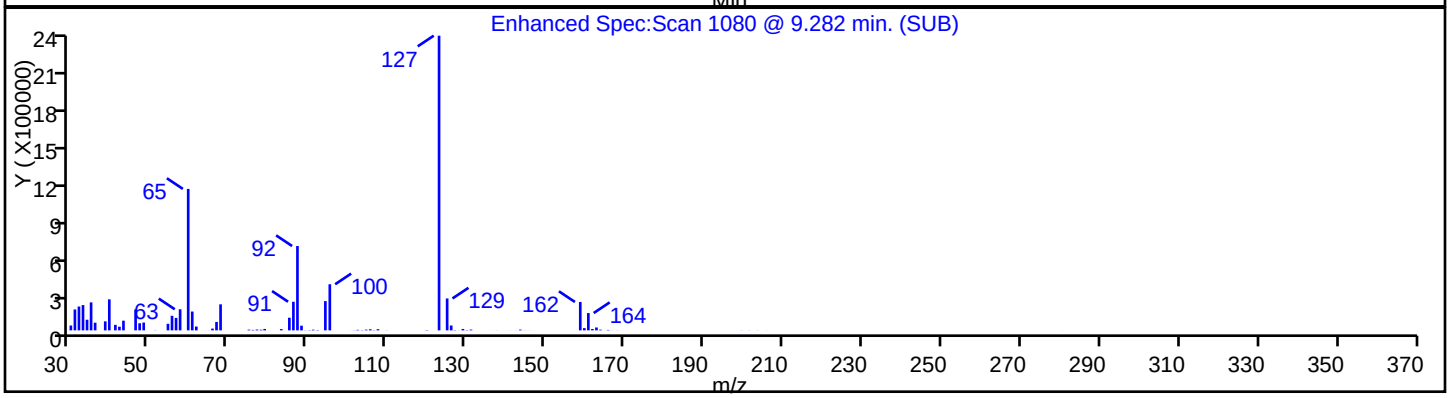
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 21-Sep-2009 12:46:24
Audit Action: Selected Alternate Hit
Audit Reason:

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49189

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2009 16:39 Calibration End Date: 09/18/2009 20:49 Calibration ID: 4655

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49189/3	B10402.D
Level 2	STD025 360-49189/4	B10403.D
Level 3	STD05 360-49189/5	B10404.D
Level 4	STD1 360-49189/6	B10405.D
Level 5	STD25 360-49189/7	B10406.D
Level 6	STD5 360-49189/2	B10401.D
Level 7	STD8 360-49189/8	B10407.D
Level 8	STD10 360-49189/9	B10408.D
Level 9	STD20 360-49189/10	B10409.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Pyridine	+++++ 0.4411	0.5622 0.4228	0.4844 0.3940	0.3817 0.5656	0.4783	Ave		0.4663				15.0		15.0			
1,4-Dioxane	0.4764 0.1909	0.3023 0.1731	0.2676 0.1589	0.2427 0.2418	0.1839	Qua	0.1034	0.1017	0.0067						0.9950		0.9900
N-Nitrosodimethylamine	0.4273 0.3476	0.3816 0.3283	0.4264 0.3176	0.3877 0.4375	0.3488	Ave		0.3781				12.0		15.0			
Benzoic acid	+++++ 0.0770	+++++ 0.0754	0.0195 0.0976	0.0252 0.0912	0.0308	Ave		0.0571				57.0	*	15.0			
Benzyl alcohol	+++++ 0.4218	0.0863 0.3965	0.2365 0.3873	0.3224 0.5583	0.3874	Qua	0.0661	0.2723	0.0140						0.9970		0.9900
Benzaldehyde	0.3122 0.2691	0.2942 0.2540	0.3051 0.2436	0.3132 0.3187	0.2726	Ave		0.2870				9.7		15.0			
Phenol	0.6262 0.6306	0.6977 0.6186	0.7297 0.5950	0.7406 0.8371	0.6188	Ave		0.6771				12.0		15.0			
Aniline	0.5278 0.7294	0.6687 0.6964	0.7670 0.6710	0.8175 +++++	0.7050	Ave		0.6979				12.0		15.0			
Bis(2-chloroethyl)ether	0.6726 0.4990	0.6167 0.4810	0.6485 0.4668	0.6184 0.6529	0.5037	Ave		0.5733				15.0		15.0			
2-Chlorophenol	0.6242 0.5406	0.6197 0.5196	0.6184 0.5018	0.6445 0.7095	0.5412	Ave		0.5910				12.0		15.0			
1,4-Dichlorobenzene	0.8112 0.6384	0.7977 0.6166	0.8202 0.5988	0.8059 0.8252	0.6334	Ave		0.7275				14.0		15.0			
1,3-Dichlorobenzene	0.8160 0.6696	0.8371 0.6456	0.8517 0.6211	0.8342 0.8533	0.6703	Ave		0.7554				13.0		15.0			
1,2-Dichlorobenzene	0.7780 0.6061	0.8089 0.5868	0.7935 0.5650	0.7385 0.7860	0.6074	Ave		0.6967				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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49189

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2009 16:39 Calibration End Date: 09/18/2009 20:49 Calibration ID: 4655

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2-Methylphenol	0.5490 0.5000	0.6087 0.4844	0.5654 0.4617	0.6338 0.6664	0.4994	Ave		0.5521				13.0		15.0			
2,2'-oxybis[1-chloropropane]	1.2216 0.9199	1.1557 0.8701	1.1796 0.8371	1.1563 1.1109	0.9302	Ave		1.0424				14.0		15.0			
2,4-Dinitrophenol	+++++ 0.1071	+++++ 0.1040	0.0256 0.1231	0.0385 0.1359	0.0488	Lin	-0.160	0.1406			0.0500				0.9930		0.9900
4-Nitrophenol	+++++ 0.1651	+++++ 0.1754	0.0873 0.1835	0.1041 0.1688	0.1159	Lin1	-0.061	0.1767			0.0500				0.9940		0.9900
3 & 4 Methylphenol	0.4876 0.5133	0.6383 0.4865	0.6365 0.4678	0.5773 0.6750	0.5011	Ave		0.5537				14.0		15.0			
N-Nitrosodi-n-propylamine	0.3786 0.3659	0.3966 0.3539	0.4075 0.3426	0.4198 0.4932	0.3523	Ave		0.3901			0.0500	12.0		15.0			
Acetophenone	0.9196 0.7242	0.8444 0.6961	0.9129 0.6836	0.8921 0.9607	0.7203	Ave		0.8171				13.0		15.0			
Hexachloroethane	0.2716 0.2320	0.2691 0.2218	0.2762 0.2116	0.2710 0.3088	0.2225	Ave		0.2538				13.0		15.0			
Nitrobenzene	0.2643 0.2386	0.2697 0.2301	0.2973 0.2137	0.2935 +++++	0.2387	Ave		0.2557				12.0		15.0			
4,6-Dinitro-2-methylphenol	+++++ 0.0944	+++++ 0.1063	0.0354 0.1141	0.0490 0.1093	0.0547	Lin1	-0.056	0.1116							0.9900		0.9900
Isophorone	0.3960 0.4016	0.4269 0.3913	0.4620 0.3681	0.4716 +++++	0.3960	Ave		0.4142				8.8		15.0			
2,4-Dimethylphenol	0.1952 0.1974	0.2215 0.1741	0.2268 0.1634	0.2034 +++++	0.1875	Ave		0.1962				11.0		15.0			
2-Nitrophenol	0.0973 0.1213	0.1188 0.1201	0.1341 0.1154	0.1350 0.0820	0.1162	Ave		0.1156				14.0		15.0			
Bis(2-chloroethoxy)methane	0.2863 0.2329	0.2905 0.2234	0.2930 0.2109	0.2952 +++++	0.2319	Ave		0.2580				14.0		15.0			
2,4-Dichlorophenol	0.1837 0.1799	0.1844 0.1746	0.1972 0.1657	0.2008 0.1128	0.1747	Ave		0.1749				15.0		15.0			
1,2,4-Trichlorobenzene	0.2735 0.2050	0.2581 0.1991	0.2700 0.1859	0.2608 0.1258	0.2042	Qua	-0.002	0.2420	-0.006						0.9990		0.9900
Pentachlorophenol	+++++ 0.0775	+++++ 0.0918	0.0367 0.0982	0.0440 0.0963	0.0463	Lin	-0.074	0.1005							0.9960		0.9900
Alpha-Terpineol	0.2048 0.1896	0.1932 0.1880	0.2227 0.1734	0.2091 +++++	0.1830	Ave		0.1955				8.1		15.0			
Naphthalene	0.9233 0.6957	0.8735 0.6530	0.8897 0.6093	0.8704 +++++	0.6924	Qua	0.0397	0.7616	-0.015						0.9990		0.9900
4-Chloroaniline	0.2817 0.3565	0.3747 0.2878	0.3995 0.2698	0.4202 +++++	0.3460	Qua	-0.008	0.4140	-0.015						0.9980		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49189

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2009 16:39 Calibration End Date: 09/18/2009 20:49 Calibration ID: 4655

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.1260 0.1045	0.1288 0.1032	0.1311 0.0985	0.1280 +++++	0.1043	Ave		0.1155				12.0		15.0			
Caprolactam	0.0767 0.0983	0.0907 0.0989	0.0923 0.0940	0.1024 0.0628	0.0952	Ave		0.0901				14.0		15.0			
4-Chloro-3-methylphenol	0.1497 0.1818	0.1911 0.1768	0.1882 0.1686	0.1918 0.1162	0.1753	Ave		0.1711				14.0		15.0			
2-Methylnaphthalene	0.5348 0.4335	0.5473 0.4183	0.5403 0.3951	0.5414 +++++	0.4308	Ave		0.4802				14.0		15.0			
1-Methylnaphthalene	0.5329 0.4374	0.5324 0.4258	0.5597 0.4013	0.5478 +++++	0.4294	Ave		0.4833				14.0		15.0			
Hexachlorocyclopentadiene	0.1422 0.1870	0.1324 0.1897	0.1426 0.1942	0.1451 0.1862	0.1292	Lin1	-0.013	0.1863			0.0500				0.9940		0.9900
1,2,4,5-Tetrachlorobenzene	0.2260 0.1812	0.2268 0.1787	0.2299 0.1693	0.2258 +++++	0.1797	Ave		0.2022				13.0		15.0			
2,4,6-Trichlorophenol	0.2089 0.2929	0.2494 0.3324	0.2898 0.3336	0.2863 0.3034	0.2501	Ave		0.2830				14.0		15.0			
2,4,5-Trichlorophenol	0.2658 0.3166	0.2620 0.3575	0.2912 0.3619	0.2989 0.3252	0.2580	Ave		0.3041				13.0		15.0			
1,1'-Biphenyl	1.4567 1.3431	1.3970 1.5047	1.4654 1.5139	1.3852 1.1512	1.1988	Ave		1.3796				9.4		15.0			
2-Chloronaphthalene	1.2127 1.1950	1.3087 1.3655	1.3244 1.3724	1.2540 1.1131	1.0908	Ave		1.2485				8.3		15.0			
Phenyl ether	0.3760 0.2992	0.3532 0.2954	0.3788 0.2778	0.3602 +++++	0.2958	Ave		0.3296				13.0		15.0			
4-Nitroaniline	0.2449 0.3558	0.2648 0.3976	0.3142 0.4088	0.3149 0.3704	0.2910	Lin1	-0.025	0.3796							0.9940		0.9900
Benzidine	+++++ 0.5849	+++++ 0.7280	0.0448 0.7220	0.1394 0.7246	0.3705	Lin1	-0.489	0.7440							0.9910		0.9900
Dimethyl phthalate	1.2443 1.1727	1.1711 1.3097	1.2393 1.3143	1.2014 1.0922	1.0456	Ave		1.1990				7.6		15.0			
2,6-Dinitrotoluene	0.2089 0.2767	0.2535 0.3084	0.2781 0.3155	0.2767 0.2884	0.2426	Ave		0.2721				12.0		15.0			
Acenaphthylene	1.3699 1.5926	1.5364 1.7756	1.6381 1.7664	1.6225 1.3212	1.4037	Ave		1.5585				11.0		15.0			
3-Nitroaniline	0.2065 0.2720	0.2314 0.3065	0.2490 0.3114	0.2554 0.2780	0.2413	Ave		0.2613				13.0		15.0			
Acenaphthene	1.0984 1.1003	1.1241 1.2488	1.1373 1.2704	1.1498 1.0100	0.9594	Ave		1.1221				8.9		15.0			
2,4-Dinitrotoluene	0.2082 0.3517	0.2760 0.3995	0.3078 0.4045	0.3178 0.3758	0.2950	Lin1	-0.028	0.3815							0.9950		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49189

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2009 16:39 Calibration End Date: 09/18/2009 20:49 Calibration ID: 4655

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Dibenzofuran	1.5756 1.4060	1.5256 1.5921	1.4852 1.5887	1.4907 1.2172	1.2638	Ave		1.4606				9.5		15.0			
2,3,4,6-Tetrachlorophenol	0.1194 0.2159	0.1683 0.2540	0.1926 0.2648	0.1972 0.2448	0.1777	Lin1	-0.021	0.2458							0.9930		0.9900
Diethyl phthalate	1.3348 1.1786	1.2191 1.3281	1.2665 1.3361	1.2013 1.0768	1.0382	Ave		1.2199				9.0		15.0			
4-Chlorophenyl phenyl ether	0.5623 0.5293	0.5360 0.6010	0.5421 0.6174	0.5258 0.5407	0.4695	Ave		0.5471				7.9		15.0			
2-Nitroaniline	0.1835 0.3161	0.2150 0.3652	0.2470 0.3689	0.2713 0.3345	0.2601	Lin1	-0.030	0.3435							0.9930		0.9900
Fluorene	1.2608 1.2272	1.1647 1.4036	1.2363 1.4268	1.2381 1.1031	1.0787	Ave		1.2377				9.6		15.0			
Diphenylamine	0.5944 0.5933	0.5931 0.6904	0.6302 0.7046	0.6384 0.5658	0.5339	Ave		0.6160				9.0		15.0			
N-Nitrosodiphenylamine	0.5944 0.5933	0.5931 0.6904	0.6302 0.7046	0.6384 0.5658	0.5339	Ave		0.6160				9.0		15.0			
1,2-Diphenylhydrazine	1.0609 1.1106	1.0648 1.2807	1.1590 1.2862	1.1563 0.9778	0.9999	Ave		1.1218				9.8		15.0			
Azobenzene	1.0609 1.1106	1.0648 1.2807	1.1590 1.2862	1.1563 0.9778	0.9999	Ave		1.1218				9.8		15.0			
Benzophenone	0.6678 0.6770	0.6734 0.7974	0.6968 0.8125	0.7088 0.6539	0.6011	Ave		0.6988				9.7		15.0			
4-Bromophenyl phenyl ether	0.1871 0.1616	0.1771 0.1898	0.1807 0.1936	0.1733 0.1701	0.1437	Ave		0.1752				8.9		15.0			
Atrazine	0.1839 0.1709	0.1625 0.2107	0.1774 0.2159	0.1782 0.1767	0.1514	Ave		0.1808				12.0		15.0			
Hexachlorobenzene	0.1585 0.1512	0.1605 0.1827	0.1695 0.1866	0.1652 0.1622	0.1339	Ave		0.1634				9.7		15.0			
Pentachloronitrobenzene	0.0520 0.0729	0.0651 0.0853	0.0689 0.0885	0.0725 0.0785	0.0614	Lin1	-0.005	0.0808							0.9930		0.9900
Phenanthrene	1.0954 0.9293	1.0481 1.0675	1.0389 1.0667	1.0106 0.7855	0.8416	Ave		0.9871				11.0		15.0			
Anthracene	0.8656 0.9302	0.9336 1.0624	0.9548 1.0693	0.9773 0.7873	0.8017	Ave		0.9313				11.0		15.0			
Carbazole	0.8455 0.7018	0.8178 0.8837	0.8652 0.8923	0.8551 0.7291	0.6448	Ave		0.8039				11.0		15.0			
Di-n-butyl phthalate	1.3879 1.0943	1.1846 1.2539	1.1762 1.2518	1.1757 0.8530	0.9811	Ave		1.1509				14.0		15.0			
Fluoranthene	0.8352 0.8773	0.8952 0.9920	0.9030 1.0191	0.9014 0.8289	0.7671	Ave		0.8910				8.8		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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49189

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2009 16:39 Calibration End Date: 09/18/2009 20:49 Calibration ID: 4655

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Pyrene	1.2441 1.0807	1.2424 1.3241	1.2909 1.3126	1.2325 1.0368	1.1032	Ave		1.2075				8.8		15.0			
Butyl benzyl phthalate	0.4499 0.5121	0.4536 0.6334	0.5101 0.6329	0.5195 0.5359	0.4812	Ave		0.5254				13.0		15.0			
Bis(2-ethylhexyl) phthalate	0.7074 0.7326	0.6495 0.8363	0.6351 0.8587	0.6523 0.6828	0.6189	Ave		0.7082				12.0		15.0			
3,3'-Dichlorobenzidine	0.2555 0.5677	0.3931 0.7145	0.5048 0.7417	0.5695 0.6495	0.5048	Lin1	-0.063	0.6703							0.9900		0.9900
Benzo[a]anthracene	0.8260 0.7952	0.8282 0.9128	0.8647 0.9286	0.8484 0.7819	0.7216	Ave		0.8341				7.7		15.0			
Chrysene	0.8798 0.7547	0.8488 0.8535	0.8217 0.8658	0.8174 0.7372	0.6801	Ave		0.8066				8.4		15.0			
Di-n-octyl phthalate	0.9355 1.5151	1.1089 2.0563	1.3143 2.0754	1.3792 +++++	1.4545	Qua	-0.015	1.2014	0.0920						0.9960		0.9900
Benzo[b]fluoranthene	1.0841 1.0035	1.0597 1.2606	1.1318 1.2687	1.1566 1.1284	0.9726	Ave		1.1184				9.1		15.0			
Benzo[k]fluoranthene	0.9006 0.9610	0.9436 1.1988	1.0202 1.2413	1.0463 1.0620	0.9001	Ave		1.0304				12.0		15.0			
Benzo[a]pyrene	0.5704 0.7860	0.6456 0.9485	0.7485 0.9943	0.7887 0.8486	0.6956	Lin1	-0.054	0.8878							0.9910		0.9900
Indeno[1,2,3-cd]pyrene	0.4372 0.5535	0.4088 0.6169	0.4905 0.6379	0.4439 0.5227	0.4434	Qua	-0.212	0.7062	-0.008						0.9950		0.9900
Dibenz(a,h)anthracene	0.3370 0.4349	0.2850 0.4800	0.3935 0.5056	0.3411 0.4231	0.3396	Lin1	-0.028	0.4494							0.9900		0.9900
Benzo[g,h,i]perylene	0.4951 0.4615	0.3667 0.4929	0.4830 0.5133	0.4459 0.4068	0.3795	Ave		0.4494				12.0		15.0			
2-Fluorophenol	0.5623 0.5073	0.5502 0.4776	0.6078 0.4641	0.6139 0.6539	0.4927	Ave		0.5478				12.0		15.0			
Phenol-d5	0.6787 0.6034	0.6533 0.6039	0.6857 0.5761	0.7009 0.8199	0.5953	Ave		0.6575				12.0		15.0			
Nitrobenzene-d5	0.2914 0.2459	0.2794 0.2310	0.2963 0.2220	0.2950 +++++	0.2360	Ave		0.2621				12.0		15.0			
2-Fluorobiphenyl	1.3110 1.2142	1.2616 1.3709	1.3241 1.3708	1.2598 1.0836	1.0783	Ave		1.2527				8.8		15.0			
2,4,6-Tribromophenol	0.0399 0.0595	0.0477 0.0687	0.0518 0.0708	0.0535 0.0665	0.0488	Lin1	-0.005	0.0665							0.9940		0.9900
Terphenyl-d14	0.7919 0.6406	0.7156 0.7857	0.7734 0.7825	0.7256 0.6634	0.6463	Ave		0.7250				8.6		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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49189

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2009 16:39 Calibration End Date: 09/18/2009 20:49 Calibration ID: 4655

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49189/3	B10402.D
Level 2	STD025 360-49189/4	B10403.D
Level 3	STD05 360-49189/5	B10404.D
Level 4	STD1 360-49189/6	B10405.D
Level 5	STD25 360-49189/7	B10406.D
Level 6	STD5 360-49189/2	B10401.D
Level 7	STD8 360-49189/8	B10407.D
Level 8	STD10 360-49189/9	B10408.D
Level 9	STD20 360-49189/10	B10409.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Pyridine	DCB	Ave	+++++ 728097	36623 1131526	65251 1228951	82732 2599333	343602	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,4-Dioxane	DCB	Qua	11163 315143	19692 463235	36046 495634	52594 1110967	132085	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodimethylamine	DCB	Ave	10014 573757	24861 878710	57428 990663	84029 2010654	250564	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzoic acid	NPT	Ave	+++++ 307516	+++++ 487197	6258 761734	13074 2161674	53165	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Benzyl alcohol	DCB	Qua	+++++ 696224	5623 1061285	31850 1207942	69867 2565665	278311	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzaldehyde	DCB	Ave	7316 444149	19165 679750	41097 759810	67871 1464422	195813	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenol	DCB	Ave	14673 1040985	45452 1655581	98289 1855978	160508 3846678	444482	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Aniline	DCB	Ave	12369 1204029	43562 1863725	103309 2093095	177157 +++++	506434	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Bis(2-chloroethyl)ether	DCB	Ave	15760 823702	40177 1287395	87346 1456110	134015 3000591	361817	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chlorophenol	DCB	Ave	14626 892302	40368 1390557	83294 1565170	139682 3260265	388746	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,4-Dichlorobenzene	DCB	Ave	19009 1053839	51966 1650246	110472 1867660	174662 3792344	454957	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,3-Dichlorobenzene	DCB	Ave	19122 1105314	54530 1727810	114717 1937237	180789 3921275	481500	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Dichlorobenzene	DCB	Ave	18230 1000500	52697 1570618	106876 1762264	160036 3611892	436295	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Methylphenol	DCB	Ave	12864 825320	39651 1296469	76159 1440126	137364 3062372	358731	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49189

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2009 16:39 Calibration End Date: 09/18/2009 20:49 Calibration ID: 4655

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2,2'-oxybis[1-chloropropane]	DCB	Ave	28626 1518494	75288 2328861	158886 2611195	250590 5105334	668220	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrophenol	ANT	Lin	+++++ 172472	+++++ 234325	3930 312574	9633 799535	37968	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitrophenol	ANT	Lin1	+++++ 265744	+++++ 395213	13398 465779	26049 992928	90187	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
3 & 4 Methylphenol	DCB	Ave	11427 847327	41582 1301945	85733 1459051	125112 3102019	359923	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodi-n-propylamine	DCB	Ave	8871 604003	25839 947121	54894 1068649	90969 2266710	253096	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acetophenone	DCB	Ave	21548 1195444	55005 1862950	122966 2132233	193327 4415100	517415	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachloroethane	DCB	Ave	6364 383030	17531 593565	37200 659867	58740 1418879	159793	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene	NPT	Ave	14985 952388	41914 1487462	95495 1667978	152420 +++++	411439	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
4,6-Dinitro-2-methylphenol	PHN	Lin1	+++++ 258640	+++++ 397252	8902 480448	19805 1095988	71455	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Isophorone	NPT	Ave	22457 1603004	66345 2529899	148402 2872559	244954 +++++	682741	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2,4-Dimethylphenol	NPT	Ave	11071 787931	34428 1125682	72860 1275508	105623 +++++	323192	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2-Nitrophenol	NPT	Ave	5517 484318	18455 776422	43079 900452	70112 1943412	200311	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethoxy)methane	NPT	Ave	16232 929904	45148 1444661	94106 1645909	153349 +++++	399850	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2,4-Dichlorophenol	NPT	Ave	10418 718296	28658 1128986	63337 1292895	104270 2673877	301238	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2,4-Trichlorobenzene	NPT	Qua	15508 818231	40115 1287284	86721 1450700	135438 2980800	352025	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachlorophenol	PHN	Lin	+++++ 212353	+++++ 343264	9221 413580	17790 965659	60467	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Alpha-Terpineol	NPT	Ave	11616 756776	30025 1215382	71529 1353289	108593 +++++	315538	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Naphthalene	NPT	Qua	52357 2777286	135756 4221989	285792 4754903	452088 +++++	1193723	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
4-Chloroaniline	NPT	Qua	15974 1423209	58236 1860888	128337 2105806	218232 +++++	596541	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Hexachlorobutadiene	NPT	Ave	7147 417294	20019 667198	42109 768612	66472 +++++	179727	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Caprolactam	NPT	Ave	4347 392333	14089 639503	29663 733518	53166 1487337	164092	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49189

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2009 16:39 Calibration End Date: 09/18/2009 20:49 Calibration ID: 4655

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4-Chloro-3-methylphenol	NPT	Ave	8490 725644	29705 1143034	60467 1315646	99641 2754507	302259	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Methylnaphthalene	NPT	Ave	30325 1730592	85062 2704303	173542 3083659	281218 +++++	742752	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
1-Methylnaphthalene	NPT	Ave	30216 1745937	82736 2753255	179784 3131746	284518 +++++	740248	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Hexachlorocyclopentadiene	ANT	Lin1	3858 301125	9895 427526	21885 493079	36314 1095675	100569	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2,4,5-Tetrachlorobenzene	NPT	Ave	12815 723520	35242 1155491	73842 1320798	117299 +++++	309757	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2,4,6-Trichlorophenol	ANT	Ave	5667 471613	18635 749049	44463 846830	71673 1785118	194696	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,5-Trichlorophenol	ANT	Ave	7210 509667	19580 805535	44676 918787	74806 1913634	200865	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,1'-Biphenyl	ANT	Ave	39519 2162432	104391 3390328	224837 3842872	346730 6773641	933241	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chloronaphthalene	ANT	Ave	32898 1923977	97794 3076702	203204 3483693	313874 6549166	849149	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenyl ether	NPT	Ave	21324 1194211	54893 1909857	121692 2167594	187095 +++++	509945	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
4-Nitroaniline	ANT	Lin1	6644 572793	19788 895843	48211 1037785	78827 2179575	226520	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzidine	PHN	Lin1	+++++ 1601835	+++++ 2721292	11254 3039529	56378 7267801	483685	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Dimethyl phthalate	ANT	Ave	33757 1888099	87513 2951019	190141 3336335	300712 6426222	813997	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,6-Dinitrotoluene	ANT	Ave	5668 445567	18946 694910	42661 800786	69258 1696746	188870	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthylene	ANT	Ave	37165 2564190	114811 4000869	251333 4483920	406129 7773673	1092749	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3-Nitroaniline	ANT	Ave	5603 437929	17289 690650	38211 790563	63940 1635602	187872	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthene	ANT	Ave	29797 1771487	83998 2813893	174491 3224777	287811 5942811	746885	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrotoluene	ANT	Lin1	5648 566302	20628 900186	47229 1026820	79551 2211226	229631	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenzofuran	ANT	Ave	42745 2263737	114005 3587383	227872 4032964	373139 7161875	983785	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,3,4,6-Tetrachlorophenol	ANT	Lin1	3240 347569	12575 572278	29544 672210	49372 1440259	138307	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diethyl phthalate	ANT	Ave	36212 1897681	91096 2992476	194321 3391611	300685 6335868	808176	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49189

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2009 16:39 Calibration End Date: 09/18/2009 20:49 Calibration ID: 4655

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4-Chlorophenyl phenyl ether	ANT	Ave	15254 852191	40053 1354232	83170 1567324	131623 3181172	365507	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitroaniline	ANT	Lin1	4977 508990	16069 822945	37904 936487	67920 1968189	202479	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluorene	ANT	Ave	34205 1975850	87036 3162702	189688 3621967	309911 6490687	839754	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diphenylamine	PHN	Ave	25672 1624949	71786 2580857	158308 2966023	258183 5674683	697025	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodiphenylamine	PHN	Ave	25672 1624949	71786 2580857	158308 2966023	258183 5674683	697025	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Diphenylhydrazine	PHN	Ave	45820 3041750	128868 4787606	291126 5414824	467601 9807064	1305305	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Azobenzene	PHN	Ave	45820 3041750	128868 4787606	291126 5414824	467601 9807064	1305305	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzophenone	PHN	Ave	28843 1854178	81500 2980702	175028 3420577	286629 6559038	784729	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Bromophenyl phenyl ether	PHN	Ave	8079 442710	21434 709370	45398 815112	70074 1705961	187543	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Atrazine	PHN	Ave	7942 468064	19672 787466	44571 908726	72052 1772289	197626	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobenzene	PHN	Ave	6846 414166	19423 682994	42566 785434	66787 1626637	174820	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachloronitrobenzene	PHN	Lin1	2245 199577	7883 318895	17304 372385	29321 787646	80120	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenanthrene	PHN	Ave	47308 2545171	126858 3990623	260966 4490598	408677 7878202	1098720	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Anthracene	PHN	Ave	37384 2547715	112990 3971401	239821 4501311	395196 7896330	1046578	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Carbazole	PHN	Ave	36515 1921976	98979 3303497	217314 3756258	345802 7312969	841809	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-butyl phthalate	PHN	Ave	59940 2997147	143373 4687380	295440 5269975	475440 8555433	1280776	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluoranthene	PHN	Ave	36072 2402662	108351 3708490	226821 4290124	364536 8313726	1001478	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pyrene	CRY	Ave	38073 2529754	110502 3975649	238524 4606984	394464 8871744	1060947	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Butyl benzyl phthalate	CRY	Ave	13767 1198781	40348 1901811	94252 2221566	166257 4585321	462816	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-ethylhexyl) phthalate	CRY	Ave	21650 1715054	57769 2510875	117342 3014144	208764 5842286	595177	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3,3'-Dichlorobenzidine	CRY	Lin1	7820 1328870	34963 2145303	93270 2603492	182292 5557232	485491	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49189

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2009 16:39 Calibration End Date: 09/18/2009 20:49 Calibration ID: 4655

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Benzo[a]anthracene	CRY	Ave	25277 1861421	73662 2740647	159763 3259183	271547 6690869	693914	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Chrysene	CRY	Ave	26924 1766779	75495 2562761	151815 3039031	261616 6307857	654046	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-octyl phthalate	PRY	Qua	18072 2455362	60640 3329246	136739 4024097	260100 +++++	763422	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Benzo[b]fluoranthene	PRY	Ave	20942 1626287	57950 2040946	117750 2460049	218127 5012955	510481	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[k]fluoranthene	PRY	Ave	17397 1557482	51601 1940987	106137 2406770	197332 4717785	472445	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[a]pyrene	PRY	Lin1	11019 1273753	35304 1535695	77870 1927903	148749 3770087	365112	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Indeno[1,2,3-cd]pyrene	PRY	Qua	8446 897039	22355 998791	51029 1236809	83723 2322263	232740	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenz(a,h)anthracene	PRY	Lin1	6510 704870	15585 777075	40935 980268	64331 1879802	178229	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[g,h,i]perylene	PRY	Ave	9565 747977	20051 798019	50254 995210	84094 1807027	199193	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorophenol	DCB	Ave	13176 837453	35843 1278285	81872 1447585	133053 3005115	353909	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenol-d5	DCB	Ave	15904 996041	42556 1616281	92361 1796809	151894 3767790	427637	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene-d5	NPT	Ave	16526 981579	43423 1493768	95176 1732382	153226 +++++	406897	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2-Fluorobiphenyl	ANT	Ave	35565 1954915	94272 3088824	203154 3479812	315344 6375815	839420	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Tribromophenol	PHN	Lin1	1724 162832	5775 256964	13014 298236	21641 666946	63704	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Terphenyl-d14	CRY	Ave	24235 1499648	63650 2359205	142895 2746460	232251 5676203	621562	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10401.D		
Lims ID:	STD5	Client ID:	
Inject. Date:	18-Sep-2009 16:39:30	Dil. Factor:	1.0000
Sample Type:	ICIS, ICal ISTD Check	Calib Level:	6
Sample ID:	std5		
Misc. Info.:	360-0001228-002		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	2
Lims Batch ID:	49189	Lims Sample ID:	2
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\8270B.m		
Last Update:	21-Sep-2009 12:21:38	Calib Date:	18-Sep-2009 16:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10401.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 21-Sep-2009 12:21:38

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.113	8.113	0.000	660266	2.00	
* 2 Naphthalene-d8	136	9.243	9.243	0.000	1596759	2.00	
* 3 Acenaphthene-d10	164	10.749	10.749	0.000	644027	2.00	
* 4 Phenanthrene-d10	188	12.018	12.018	0.000	1095512	2.00	
* 5 Chrysene-d12	240	15.735	15.735	0.000	936376	2.00	
* 6 Perylene-d12	264	18.308	18.308	0.000	648252	2.00	
$ 7 2-Fluorophenol	112	6.863	6.863	0.000	837453	5.00	
$ 8 Phenol-d5	99	7.729	7.729	0.000	996041	5.00	
$ 9 Nitrobenzene-d5	82	8.604	8.604	0.000	981579	5.00	
$ 10 2-Fluorobiphenyl	172	10.133	10.133	0.000	1954915	5.00	
$ 11 2,4,6-Tribromophenol	330	11.417	11.417	0.000	162832	5.00	
$ 12 Terphenyl-d14	244	13.749	13.749	0.000	1499648	5.00	
14 1,4-Dioxane	88	4.752	4.752	0.000	315143	5.00	
15 N-Nitrosodimethylamine	42	5.247	5.247	0.000	573757	5.00	
16 Pyridine	79	5.295	5.295	0.000	728097	5.00	
17 Benzaldehyde	105	7.719	7.719	0.000	444149	5.00	
18 Phenol	94	7.743	7.743	0.000	1040985	5.00	
19 Aniline	93	7.810	7.810	0.000	1204029	5.00	
20 Bis(2-chloroethyl)ether	93	7.844	7.844	0.000	823702	5.00	
21 2-Chlorophenol	128	7.926	7.926	0.000	892302	5.00	
22 1,4-Dichlorobenzene	146	8.065	8.065	0.000	1053839	5.00	
23 1,3-Dichlorobenzene	146	8.128	8.128	0.000	1105314	5.00	
24 Benzyl alcohol	79	8.210	8.210	0.000	696224	5.00	
25 1,2-Dichlorobenzene	146	8.272	8.272	0.000	1000500	5.00	
26 2-Methylphenol	108	8.291	8.291	0.000	825320	5.00	
27 2,2'-oxybis[1-chloropropane]	45	8.320	8.320	0.000	1518494	5.00	
28 3 & 4 Methylphenol	108	8.416	8.416	0.000	847327	5.00	
29 N-Nitrosodi-n-propylamine	70	8.436	8.436	0.000	604003	5.00	
30 Acetophenone	105	8.455	8.455	0.000	1195444	5.00	
31 Hexachloroethane	117	8.580	8.580	0.000	383030	5.00	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.618	8.618	0.000	952388	5.00	
33 Isophorone	82	8.815	8.815	0.000	1603004	5.00	
35 2,4-Dimethylphenol	107	8.883	8.883	0.000	787931	5.00	
34 2-Nitrophenol	139	8.897	8.897	0.000	484318	5.00	
36 Benzoic acid	105	8.931	8.931	0.000	307516	5.00	
37 Bis(2-chloroethoxy)methane	93	8.965	8.965	0.000	929904	5.00	
38 2,4-Dichlorophenol	162	9.099	9.099	0.000	718296	5.00	
39 1,2,4-Trichlorobenzene	180	9.181	9.181	0.000	818231	5.00	
40 Alpha-Terpineol	59	9.224	9.224	0.000	756776	5.00	
41 Naphthalene	128	9.263	9.263	0.000	2777286	5.00	
42 4-Chloroaniline	127	9.277	9.277	0.000	1423209	5.00	
43 Hexachlorobutadiene	225	9.340	9.340	0.000	417294	5.00	
44 Caprolactam	55	9.570	9.570	0.000	392333	5.00	
45 4-Chloro-3-methylphenol	107	9.652	9.652	0.000	725644	5.00	
46 2-Methylnaphthalene	142	9.845	9.845	0.000	1730592	5.00	
47 1-Methylnaphthalene	142	9.936	9.936	0.000	1745937	5.00	
48 Hexachlorocyclopentadiene	237	9.970	9.970	0.000	301125	5.00	
49 1,2,4,5-Tetrachlorobenzene	216	9.989	9.989	0.000	723520	5.00	
50 2,4,6-Trichlorophenol	196	10.071	10.071	0.000	471613	5.00	
51 2,4,5-Trichlorophenol	196	10.104	10.104	0.000	509667	5.00	
52 1,1'-Biphenyl	154	10.229	10.229	0.000	2162432	5.00	
53 2-Chloronaphthalene	162	10.273	10.273	0.000	1923977	5.00	
54 Phenyl ether	170	10.306	10.306	0.000	1194211	5.00	
68 4-Nitroaniline	138	10.335	10.335	0.000	572793	5.00	
56 Dimethyl phthalate	163	10.446	10.446	0.000	1888099	5.00	
57 2,6-Dinitrotoluene	165	10.518	10.518	0.000	445567	5.00	
58 Acenaphthylene	152	10.633	10.633	0.000	2564190	5.00	
59 3-Nitroaniline	138	10.676	10.676	0.000	437929	5.00	
60 2,4-Dinitrophenol	184	10.758	10.758	0.000	172472	5.00	
62 4-Nitrophenol	109	10.768	10.768	0.000	265744	5.00	
61 Acenaphthene	153	10.777	10.777	0.000	1771487	5.00	
63 2,4-Dinitrotoluene	165	10.864	10.864	0.000	566302	5.00	
64 Dibenzofuran	168	10.917	10.917	0.000	2263737	5.00	
65 2,3,4,6-Tetrachlorophenol	232	11.003	11.003	0.000	347569	5.00	
66 Diethyl phthalate	149	11.027	11.027	0.000	1897681	5.00	
67 4-Chlorophenyl phenyl ether	204	11.172	11.172	0.000	852191	5.00	
55 2-Nitroaniline	65	11.196	11.196	0.000	508990	5.00	
70 4,6-Dinitro-2-methylphenol	198	11.215	11.215	0.000	258640	5.00	
71 Diphenylamine	169	11.268	11.268	0.000	1624949	5.00	
69 Fluorene	166	11.210	11.210	0.000	1975850	5.00	
72 N-Nitrosodiphenylamine	169	11.268	11.268	0.000	1624949	5.00	
73 1,2-Diphenylhydrazine	77	11.311	11.311	0.000	3041750	5.00	
74 Azobenzene	77	11.311	11.311	0.000	3041750	5.00	
13 Benzophenone	105	11.321	11.321	0.000	1854178	5.00	
75 4-Bromophenyl phenyl ether	248	11.595	11.595	0.000	442710	5.00	
77 Atrazine	200	11.677	11.677	0.000	468064	5.00	
76 Hexachlorobenzene	284	11.686	11.686	0.000	414166	5.00	
78 Pentachlorophenol	266	11.835	11.835	0.000	212353	5.00	
79 Pentachloronitrobenzene	237	11.850	11.850	0.000	199577	5.00	
80 Phenanthrene	178	12.042	12.042	0.000	2545171	5.00	
81 Anthracene	178	12.090	12.090	0.000	2547715	5.00	
83 Carbazole	167	12.206	12.206	0.000	1921976	5.00	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	12.432	12.432	0.000	2997147	5.00	
87 Fluoranthene	202	13.297	13.297	0.000	2402662	5.00	
86 Benzidine	184	13.403	13.403	0.000	1601835	5.00	
85 Pyrene	202	13.629	13.629	0.000	2529754	5.00	
89 Butyl benzyl phthalate	149	14.523	14.523	0.000	1198781	5.00	
92 Bis(2-ethylhexyl) phthalate	149	15.605	15.605	0.000	1715054	5.00	
91 3,3'-Dichlorobenzidine	252	15.630	15.630	0.000	1328870	5.00	
93 Benzo[a]anthracene	228	15.716	15.716	0.000	1861421	5.00	
94 Chrysene	228	15.779	15.779	0.000	1766779	5.00	
95 Di-n-octyl phthalate	149	16.649	16.649	0.000	2455362	5.00	
97 Benzo[b]fluoranthene	252	17.529	17.529	0.000	1626287	5.00	
98 Benzo[k]fluoranthene	252	17.582	17.582	0.000	1557482	5.00	
99 Benzo[a]pyrene	252	18.197	18.197	0.000	1273753	5.00	
100 Indeno[1,2,3-cd]pyrene	276	20.948	20.948	0.000	897039	5.00	
101 Dibenz(a,h)anthracene	278	20.977	20.977	0.000	704870	5.00	
102 Benzo[g,h,i]perylene	276	21.766	21.766	0.000	747977	5.00	

Report Date: 21-Sep-2009 12:21:38 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10401.D

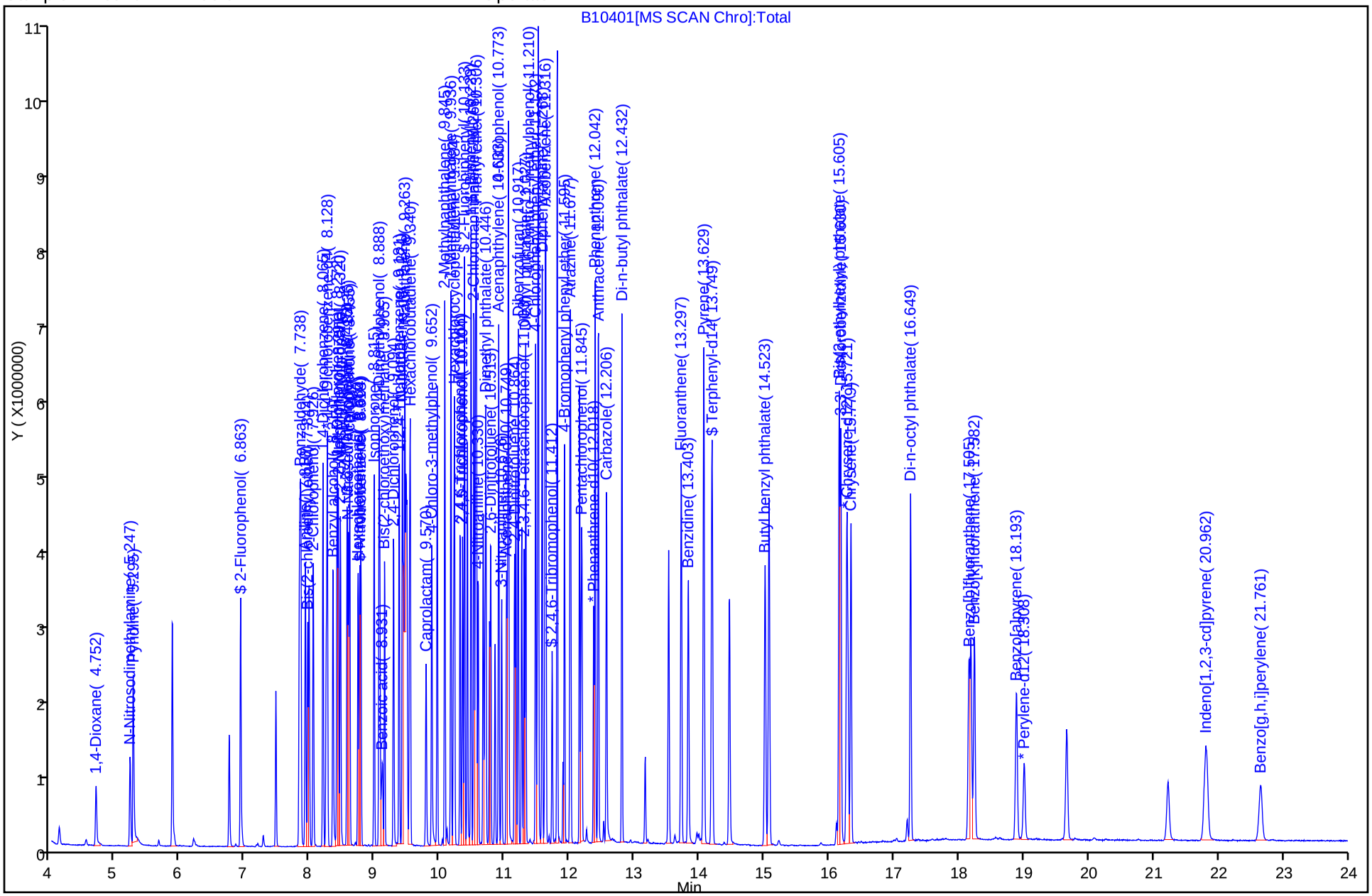
Inj Date: 18-Sep-2009 16:39:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49189 Lims Sample ID: 2

Client ID: Instrument: Inst. B

Sample Info: std5

Sample Amount: 2.00 uL Operator: MZ

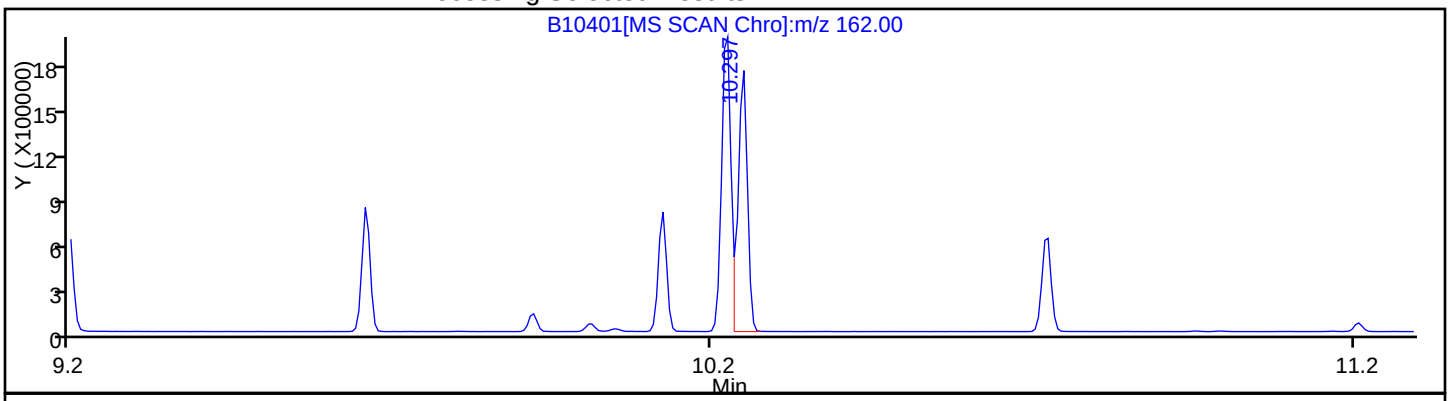


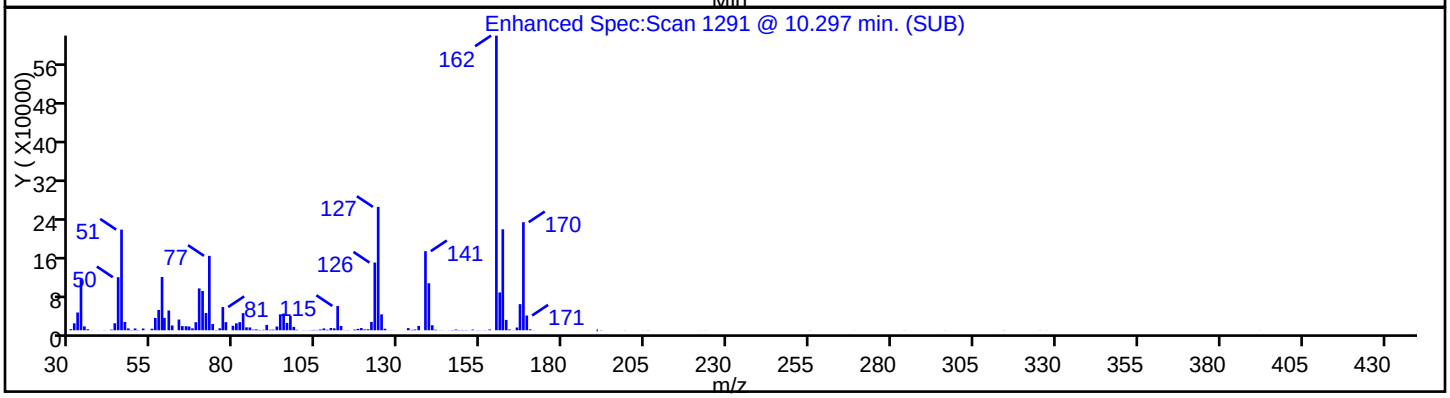
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10401.D		
Inj Date:	18-Sep-2009 16:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	2
Client ID:		Instrument:	Inst. B
Sample Info:	std5		
Sample Amount:	2.00 uL	Operator:	MZ

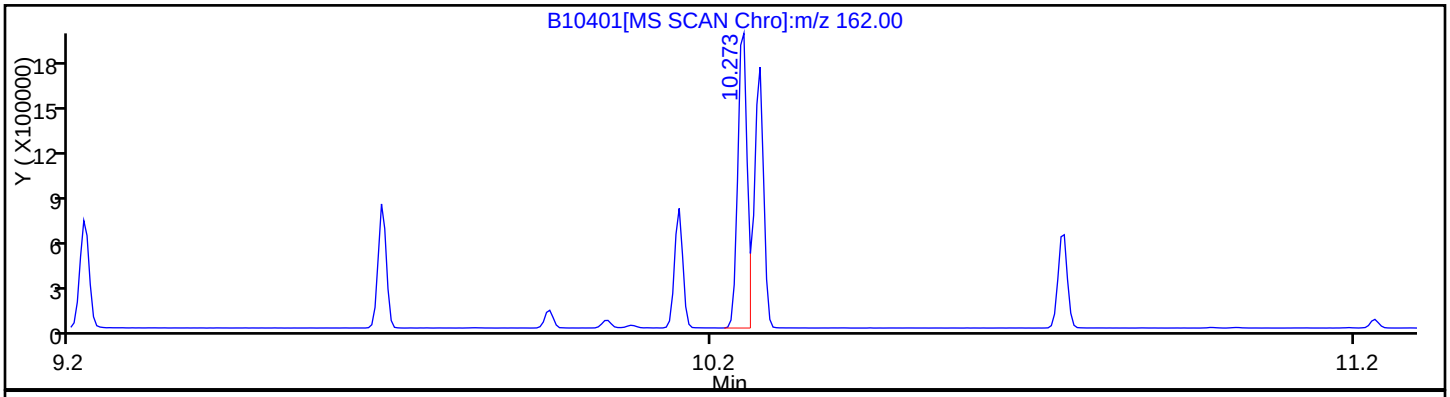
53 2-Chloronaphthalene

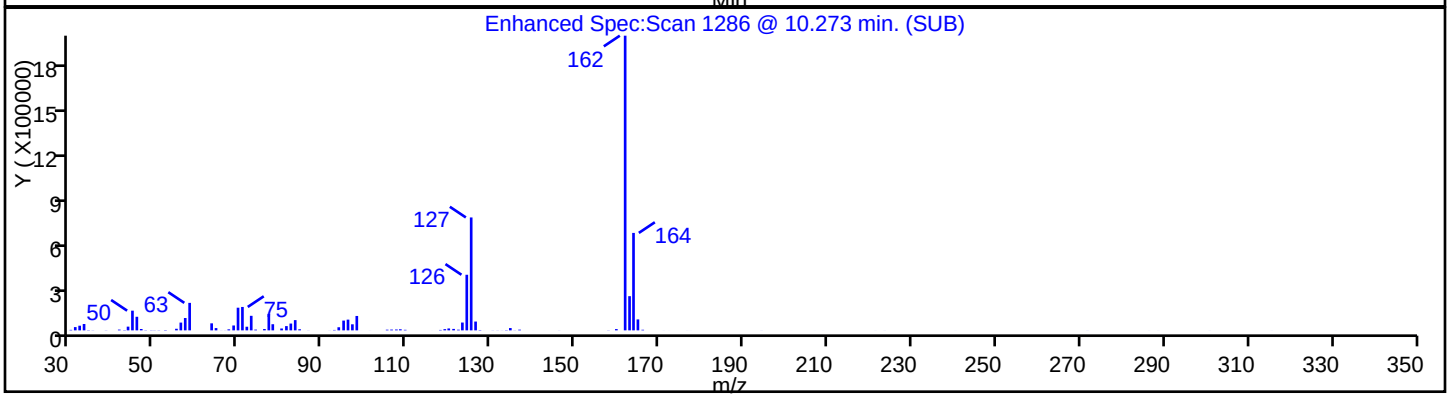
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 21-Sep-2009 12:21:38
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10402.D		
Lims ID:	STD01	Client ID:	
Inject. Date:	18-Sep-2009 17:10:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	std01		
Misc. Info.:	360-0001228-003		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	3
Lims Batch ID:	49189	Lims Sample ID:	3
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\8270B.m		
Last Update:	21-Sep-2009 12:23:36	Calib Date:	18-Sep-2009 17:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10402.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 21-Sep-2009 12:23:36

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.109	8.113	-0.004	468658	2.00	
* 2 Naphthalene-d8	136	9.239	9.243	-0.004	1134112	2.00	
* 3 Acenaphthene-d10	164	10.744	10.749	-0.005	542576	2.00	
* 4 Phenanthrene-d10	188	12.019	12.018	0.001	863770	2.00	
* 5 Chrysene-d12	240	15.731	15.735	-0.004	612065	2.00	
* 6 Perylene-d12	264	18.309	18.308	0.001	386357	2.00	
$ 7 2-Fluorophenol	112	6.864	6.863	0.001	13176	0.1051	
$ 8 Phenol-d5	99	7.724	7.729	-0.005	15904	0.1059	
$ 9 Nitrobenzene-d5	82	8.600	8.604	-0.004	16526	0.1085	
$ 10 2-Fluorobiphenyl	172	10.129	10.133	-0.004	35565	0.1038	
$ 11 2,4,6-Tribromophenol	330	11.408	11.417	-0.009	1724	0.1000	
$ 12 Terphenyl-d14	244	13.750	13.749	0.001	24235	0.1106	
14 1,4-Dioxane	88	4.753	4.752	0.001	11163	0.1000	
15 N-Nitrosodimethylamine	42	5.257	5.247	0.010	10014	0.1103	
17 Benzaldehyde	105	7.720	7.719	0.001	7316	0.1074	
18 Phenol	94	7.739	7.743	-0.004	14673	0.0996	
19 Aniline	93	7.806	7.810	-0.004	12369	0.1000	
20 Bis(2-chloroethyl)ether	93	7.840	7.844	-0.004	15760	0.1000	
21 2-Chlorophenol	128	7.922	7.926	-0.004	14626	0.1072	
22 1,4-Dichlorobenzene	146	8.066	8.065	0.001	19009	0.1000	
23 1,3-Dichlorobenzene	146	8.128	8.128	0.000	19122	0.1099	
25 1,2-Dichlorobenzene	146	8.273	8.272	0.001	18230	0.1000	
26 2-Methylphenol	108	8.287	8.291	-0.004	12864	0.1047	
27 2,2'-oxybis[1-chloropropane]	45	8.316	8.320	-0.004	28626	0.1000	
28 3 & 4 Methylphenol	108	8.417	8.416	0.001	11427	0.0974	
29 N-Nitrosodi-n-propylamine	70	8.431	8.436	-0.005	8871	0.1017	
30 Acetophenone	105	8.455	8.455	0.000	21548	0.1000	
31 Hexachloroethane	117	8.576	8.580	-0.004	6364	0.1079	
32 Nitrobenzene	77	8.619	8.618	0.001	14985	0.1051	
33 Isophorone	82	8.811	8.815	-0.004	22457	0.0993	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
35 2,4-Dimethylphenol	107	8.883	8.883	0.000	11071	0.0995	
34 2-Nitrophenol	139	8.893	8.897	-0.004	5517	0.1000	
37 Bis(2-chloroethoxy)methane	93	8.965	8.965	0.001	16232	0.1103	
38 2,4-Dichlorophenol	162	9.095	9.099	-0.004	10418	0.1010	
39 1,2,4-Trichlorobenzene	180	9.177	9.181	-0.004	15508	0.1000	
40 Alpha-Terpineol	59	9.225	9.224	0.001	11616	0.1039	
41 Naphthalene	128	9.258	9.263	-0.005	52357	0.1000	
42 4-Chloroaniline	127	9.273	9.277	-0.004	15974	0.1000	
43 Hexachlorobutadiene	225	9.340	9.340	0.000	7147	0.1093	
44 Caprolactam	55	9.552	9.570	-0.018	4347	0.1000	
45 4-Chloro-3-methylphenol	107	9.653	9.652	0.001	8490	0.0903	
46 2-Methylnaphthalene	142	9.845	9.845	0.000	30325	0.1105	
47 1-Methylnaphthalene	142	9.932	9.936	-0.004	30216	0.1098	
48 Hexachlorocyclopentadiene	237	9.970	9.970	0.000	3858	0.1000	
49 1,2,4,5-Tetrachlorobenzene	216	9.985	9.989	-0.004	12815	0.1000	
50 2,4,6-Trichlorophenol	196	10.066	10.071	-0.005	5667	0.1000	
51 2,4,5-Trichlorophenol	196	10.100	10.104	-0.004	7210	0.0913	
52 1,1'-Biphenyl	154	10.225	10.229	-0.004	39519	0.1041	
53 2-Chloronaphthalene	162	10.268	10.273	-0.004	32898	0.1007	
54 Phenyl ether	170	10.307	10.306	0.001	21324	0.1000	
68 4-Nitroaniline	138	10.331	10.335	-0.004	6644	0.1000	
56 Dimethyl phthalate	163	10.441	10.446	-0.005	33757	0.1030	
57 2,6-Dinitrotoluene	165	10.514	10.518	-0.004	5668	0.1000	
58 Acenaphthylene	152	10.629	10.633	-0.004	37165	0.0925	
59 3-Nitroaniline	138	10.672	10.676	-0.004	5603	0.1000	
61 Acenaphthene	153	10.773	10.777	-0.004	29797	0.0999	
63 2,4-Dinitrotoluene	165	10.860	10.864	-0.004	5648	0.1000	
64 Dibenzofuran	168	10.913	10.917	-0.004	42745	0.1057	
65 2,3,4,6-Tetrachlorophenol	232	11.004	11.003	0.001	3240	0.1000	
66 Diethyl phthalate	149	11.023	11.027	-0.004	36212	0.1062	
67 4-Chlorophenyl phenyl ether	204	11.172	11.172	0.000	15254	0.1030	
55 2-Nitroaniline	65	11.192	11.196	-0.004	4977	0.1000	
69 Fluorene	166	11.206	11.210	-0.004	34205	0.1014	
71 Diphenylamine	169	11.264	11.268	-0.004	25672	0.1001	
72 N-Nitrosodiphenylamine	169	11.264	11.268	-0.004	25672	0.1001	
73 1,2-Diphenylhydrazine	77	11.307	11.311	-0.004	45820	0.0977	
74 Azobenzene	77	11.307	11.311	-0.004	45820	0.0977	
13 Benzophenone	105	11.317	11.321	-0.004	28843	0.0993	
75 4-Bromophenyl phenyl ether	248	11.591	11.595	-0.004	8079	0.1073	
77 Atrazine	200	11.672	11.677	-0.005	7942	0.1037	
76 Hexachlorobenzene	284	11.682	11.686	-0.004	6846	0.1024	
79 Pentachloronitrobenzene	237	11.846	11.850	-0.004	2245	0.1000	
80 Phenanthrene	178	12.038	12.042	-0.004	47308	0.1082	
81 Anthracene	178	12.086	12.090	-0.004	37384	0.0964	
83 Carbazole	167	12.206	12.206	0.000	36515	0.1093	
84 Di-n-butyl phthalate	149	12.427	12.432	-0.005	59940	0.1000	
87 Fluoranthene	202	13.298	13.297	0.001	36072	0.0975	
85 Pyrene	202	13.625	13.629	-0.004	38073	0.1070	
89 Butyl benzyl phthalate	149	14.519	14.523	-0.004	13767	0.0935	
92 Bis(2-ethylhexyl) phthalate	149	15.601	15.605	-0.004	21650	0.0983	
91 3,3'-Dichlorobenzidine	252	15.620	15.630	-0.010	7820	0.1000	
93 Benzo[a]anthracene	228	15.712	15.716	-0.004	25277	0.1019	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
94 Chrysene	228	15.770	15.779	-0.009	26924	0.1077	
95 Di-n-octyl phthalate	149	16.645	16.649	-0.004	18072	0.1000	
97 Benzo[b]fluoranthene	252	17.515	17.515	0.000	20942	0.1039	M
98 Benzo[k]fluoranthene	252	17.573	17.573	0.000	17397	0.0968	M
99 Benzo[a]pyrene	252	18.193	18.197	-0.004	11019	0.1000	
100 Indeno[1,2,3-cd]pyrene	276	20.939	20.939	0.000	8446	0.1000	M
101 Dibenz(a,h)anthracene	278	20.977	20.977	0.000	6510	0.1000	M
102 Benzo[g,h,i]perylene	276	21.737	21.766	-0.029	9565	0.1035	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 21-Sep-2009 12:23:37 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10402.D

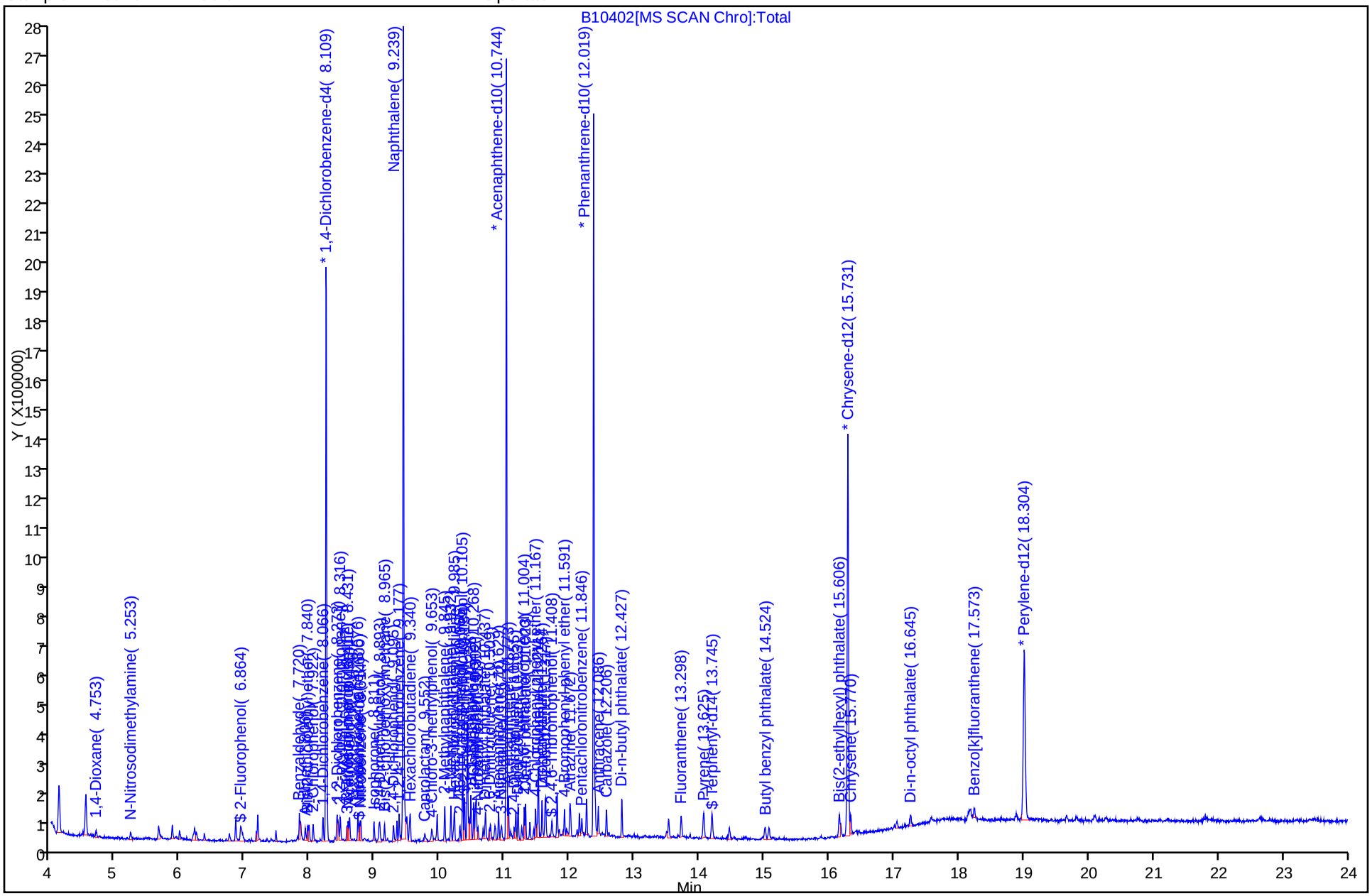
Inj Date: 18-Sep-2009 17:10:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49189 Lims Sample ID: 3

Client ID: Instrument: Inst. B

Sample Info: std01

Sample Amount: 2.00 uL Operator: MZ



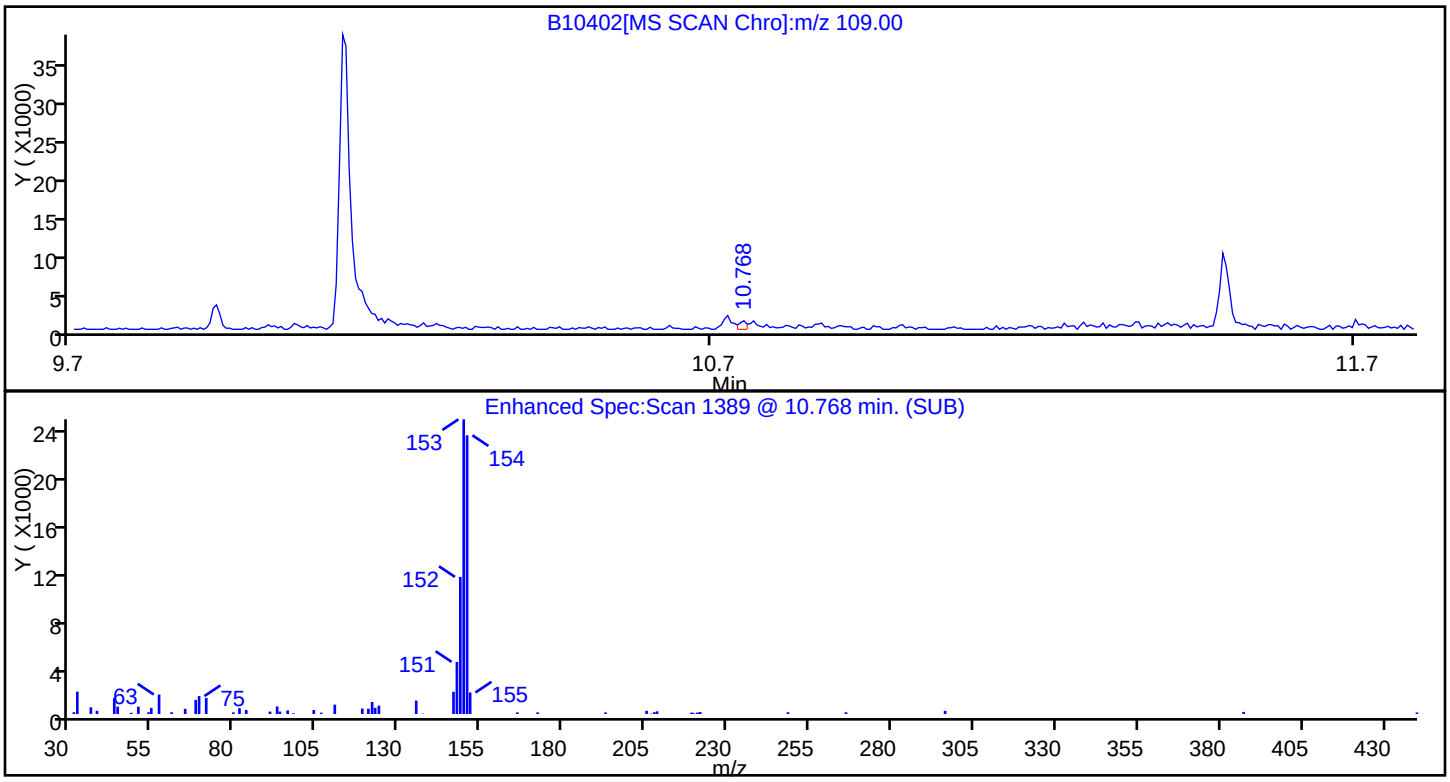
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10402.D		
Inj Date:	18-Sep-2009 17:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

62 4-Nitrophenol

Processing Results



RT	Mass	Response	Amount
10.77	109.00	936	0.100000
10.77	139.00	2446	
10.78	64.00	1320	

Reviewer: sullivanp, 21-Sep-2009 12:23:36
Audit Action: Marked Compound Undetected
Audit Reason:

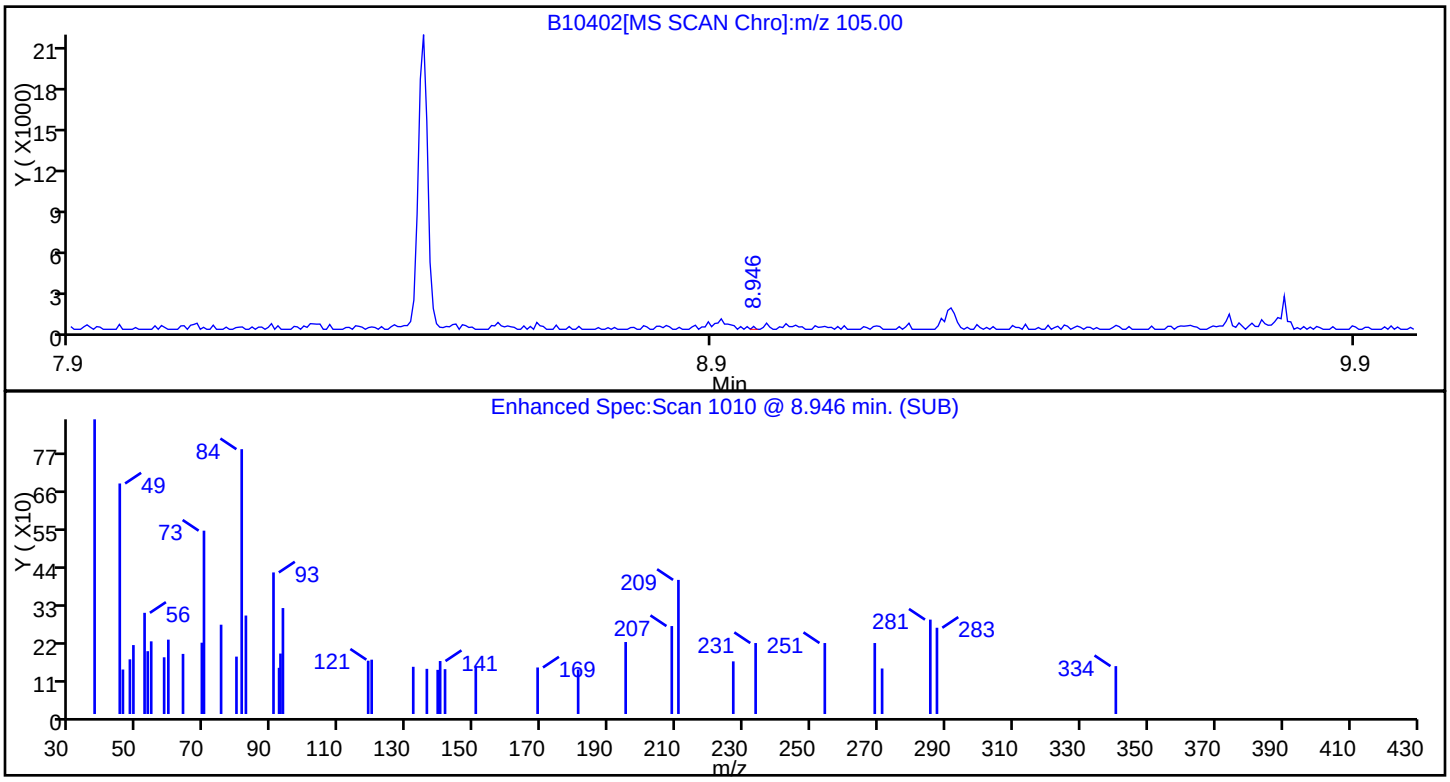
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10402.D		
Inj Date:	18-Sep-2009 17:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
8.95	105.00	62	0.100000
8.95	122.00	120	
8.95	77.00	318	

Reviewer: sullivanp, 21-Sep-2009 12:23:36
Audit Action: Marked Compound Undetected
Audit Reason:

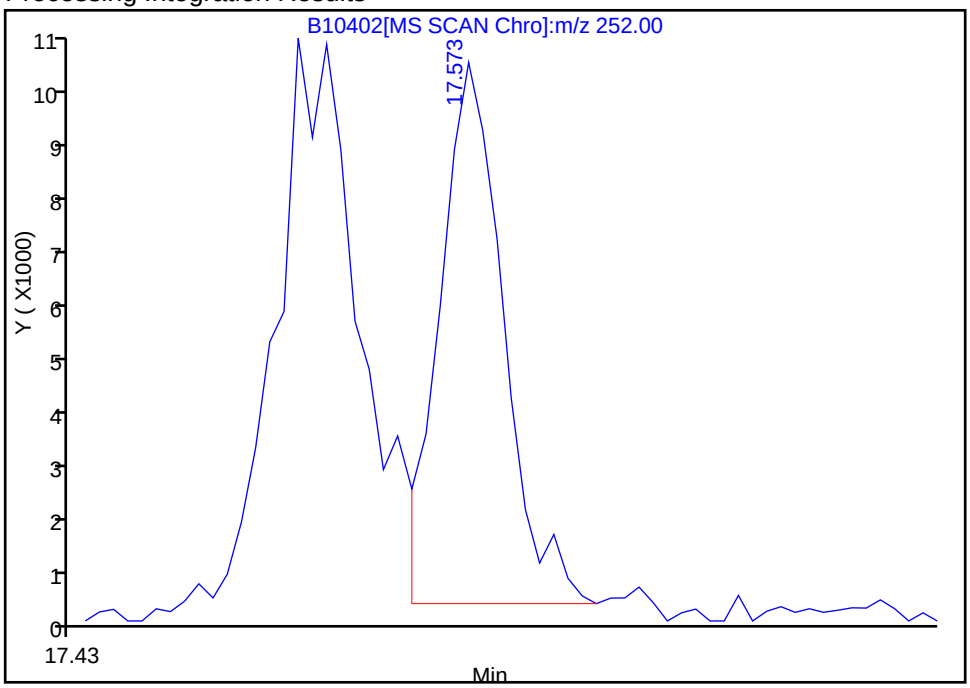
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10402.D		
Inj Date:	18-Sep-2009 17:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

98 Benzo[k]fluoranthene, Number: 1, m/z: 252 Type: quant, RT: 17.57

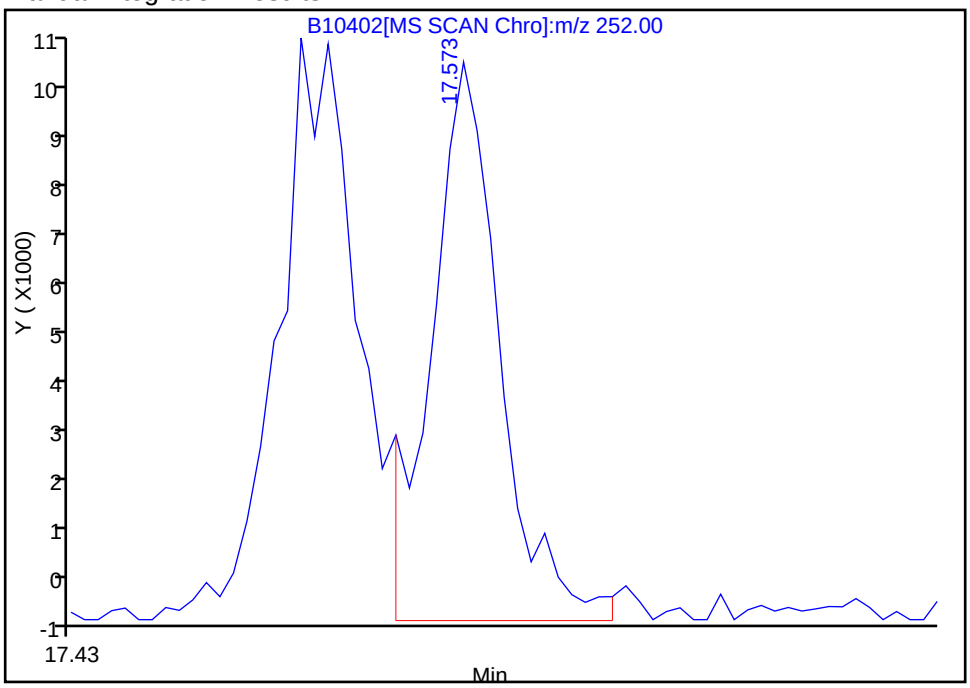
Processing Integration Results

RT: 17.57
Response: 14849
Amount: 0.100000



Manual Integration Results

RT: 17.57
Response: 17397
Amount: 0.096752



Reviewer: sullivanp, 21-Sep-2009 12:23:36
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

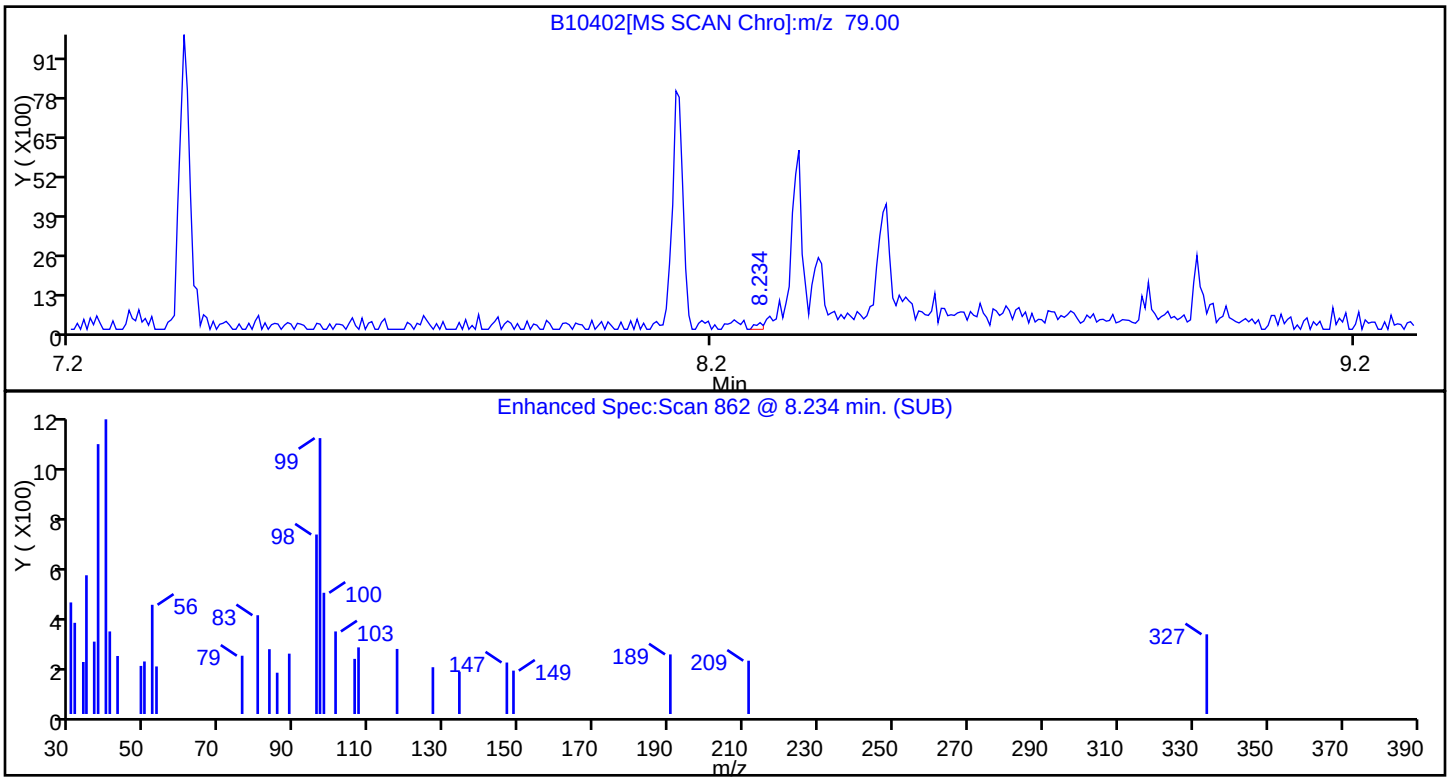
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10402.D		
Inj Date:	18-Sep-2009 17:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

24 Benzyl alcohol

Processing Results



RT	Mass	Response	Amount
8.23	79.00	182	0.100000
8.23	108.00	61	
8.24	77.00	414	

Reviewer: sullivanp, 21-Sep-2009 12:23:36
Audit Action: Marked Compound Undetected
Audit Reason:

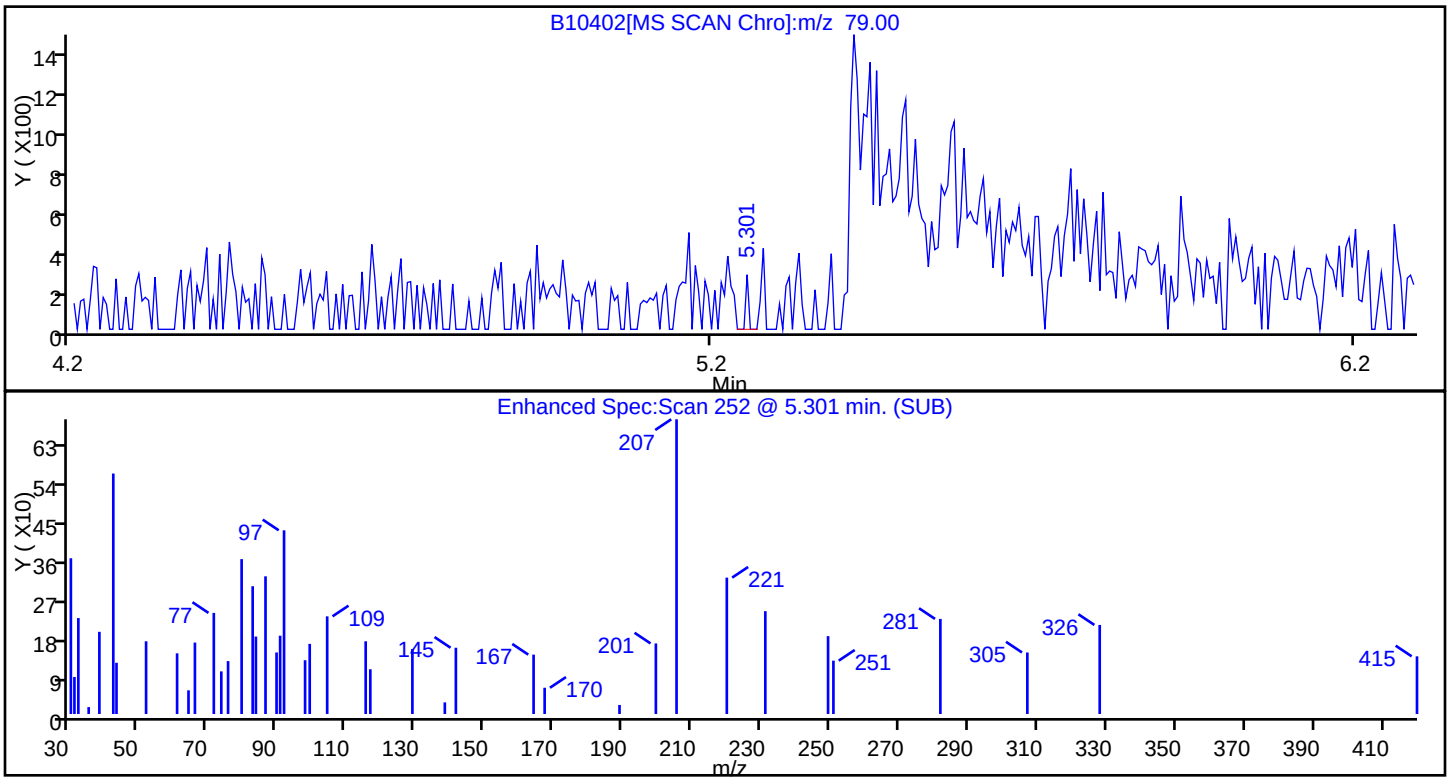
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10402.D		
Inj Date:	18-Sep-2009 17:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

16 Pyridine

Processing Results



RT	Mass	Response	Amount
5.30	79.00	77	0.100000
5.29	52.00	230	
5.32	51.00	2479	

Reviewer: sullivanp, 21-Sep-2009 12:23:36
Audit Action: Marked Compound Undetected
Audit Reason:

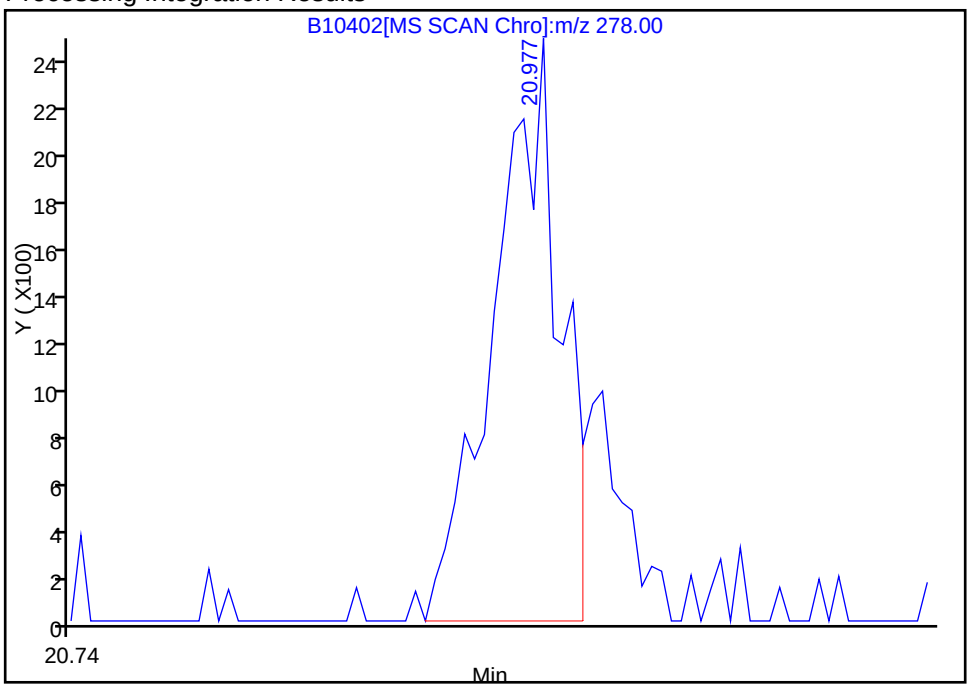
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10402.D		
Inj Date:	18-Sep-2009 17:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

101 Dibenz(a,h)anthracene, Number: 1, m/z: 278 Type: quant, RT: 20.98

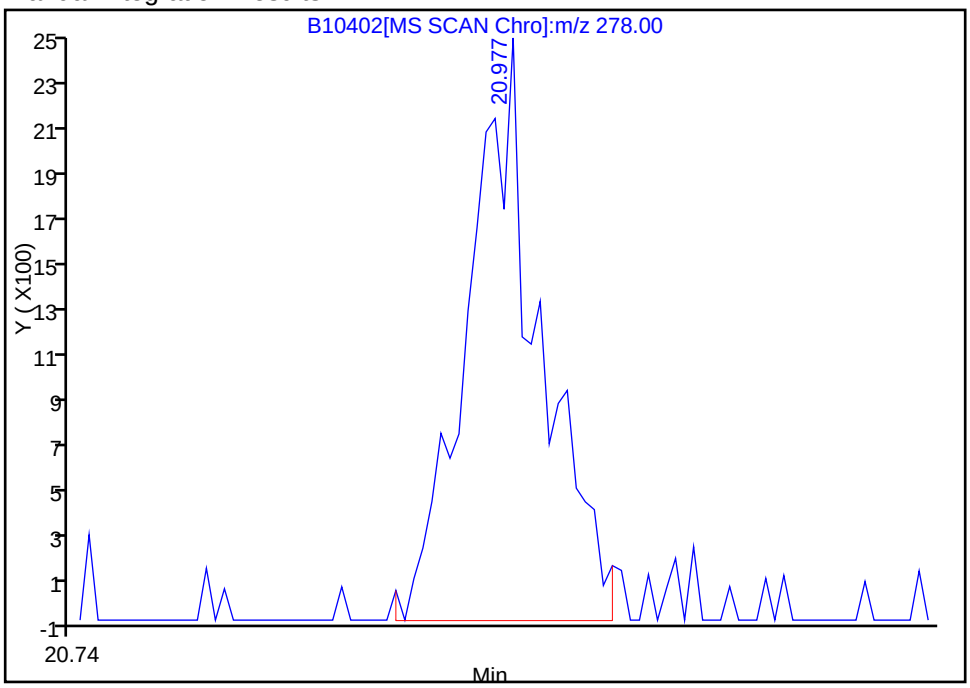
Processing Integration Results

RT: 20.98
Response: 5390
Amount: 0.100000



Manual Integration Results

RT: 20.98
Response: 6510
Amount: 0.100000



Reviewer: sullivanp, 21-Sep-2009 12:23:36
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

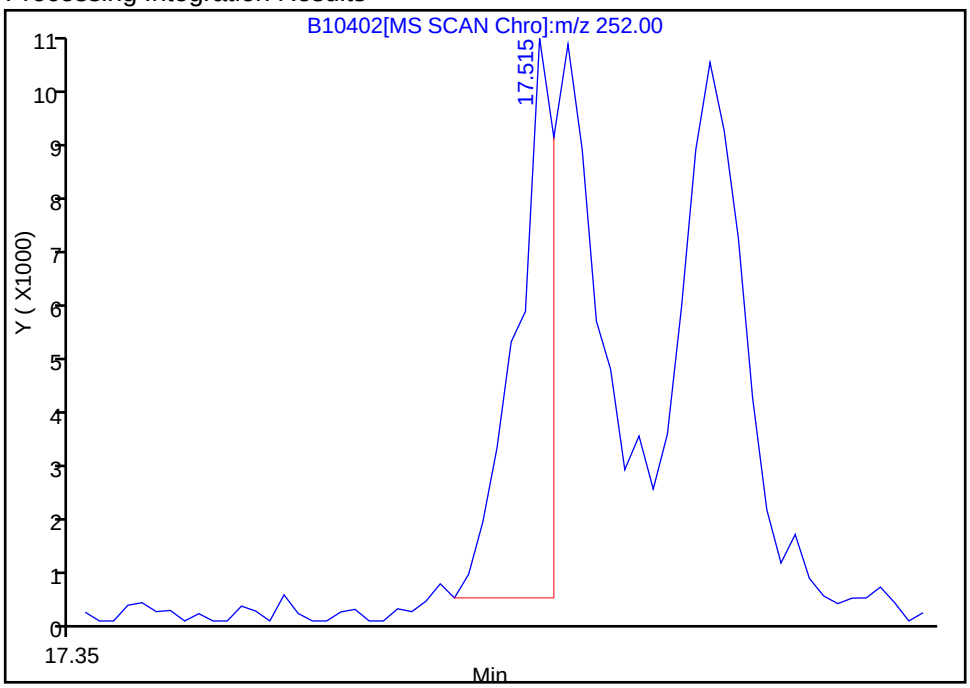
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10402.D		
Inj Date:	18-Sep-2009 17:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

97 Benzo[b]fluoranthene, Number: 1, m/z: 252 Type: quant, RT: 17.52

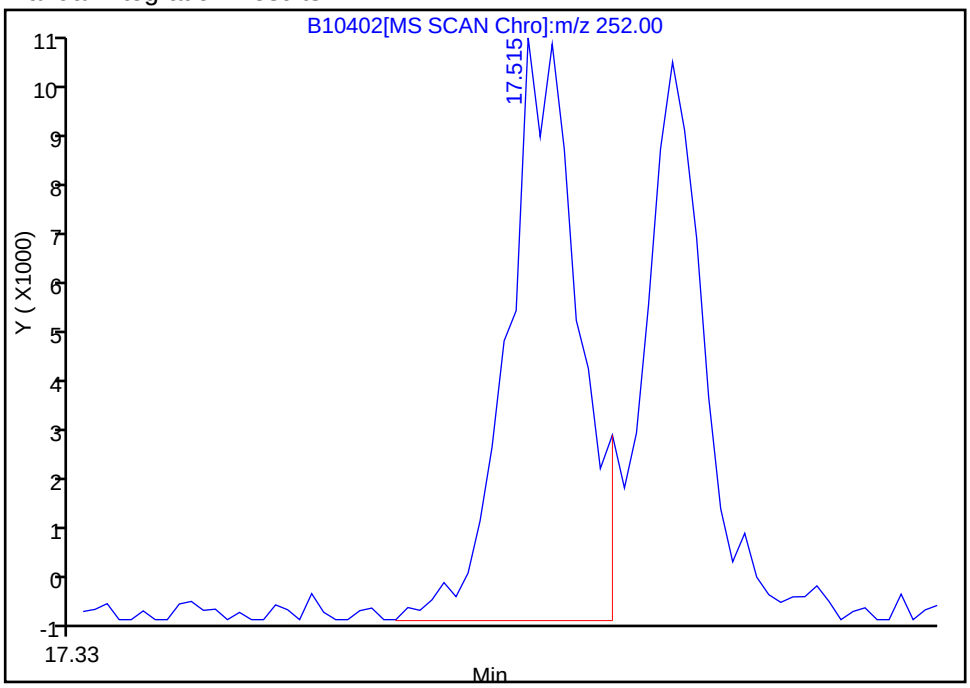
Processing Integration Results

RT: 17.52
Response: 9423
Amount: 0.100000



Manual Integration Results

RT: 17.52
Response: 20942
Amount: 0.103860



Reviewer: sullivanp, 21-Sep-2009 12:23:36
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

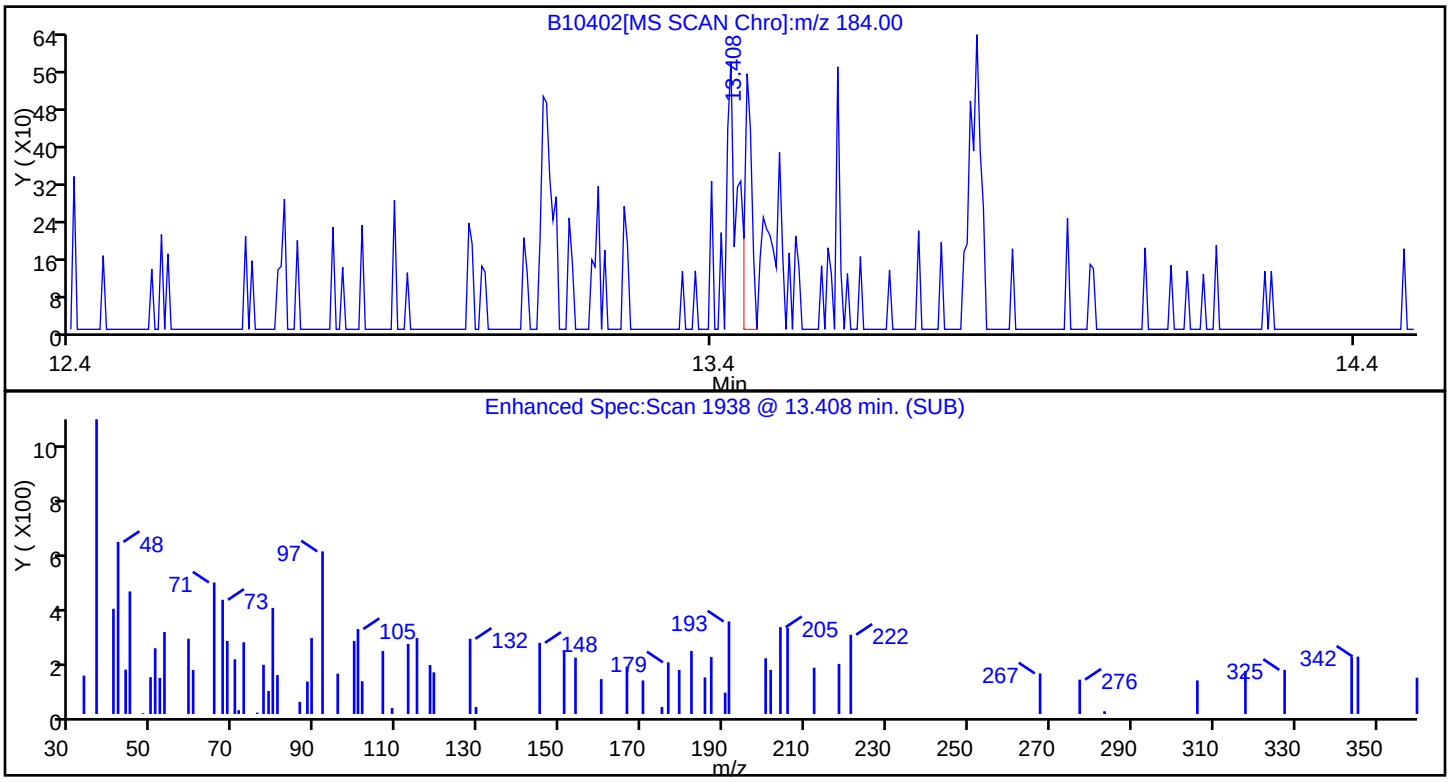
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10402.D		
Inj Date:	18-Sep-2009 17:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

86 Benzidine

Processing Results



RT	Mass	Response	Amount
13.41	184.00	388	0.100000
13.40	92.00	153	
13.41	156.00	157	

Reviewer: sullivanp, 21-Sep-2009 12:23:36
Audit Action: Marked Compound Undetected
Audit Reason:

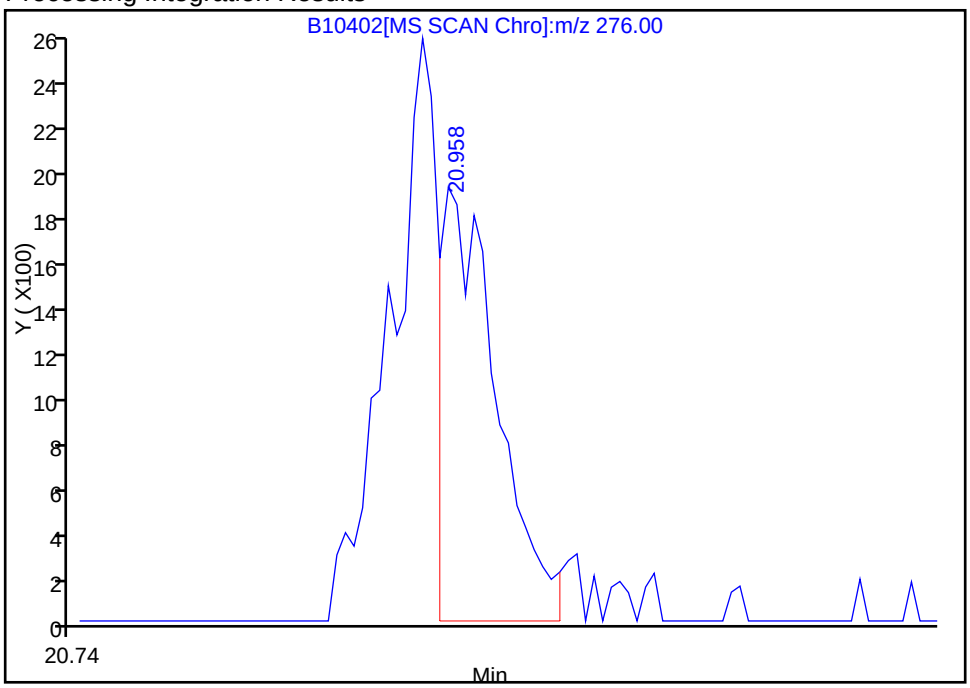
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10402.D		
Inj Date:	18-Sep-2009 17:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

100 Indeno[1,2,3-cd]pyrene, Number: 1, m/z: 276 Type: quant, RT: 20.94

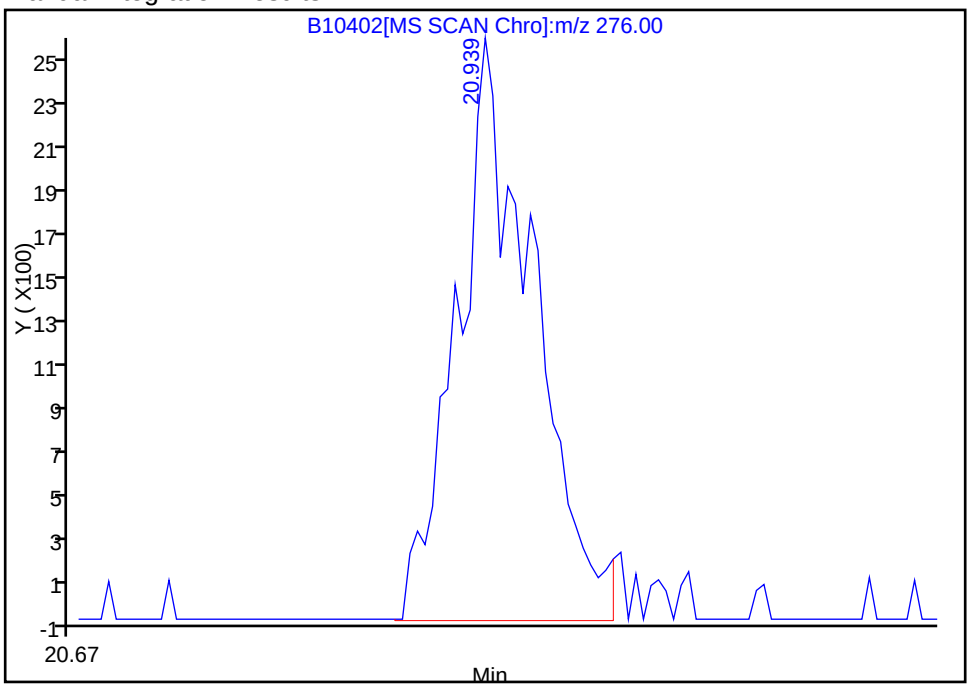
Processing Integration Results

RT: 20.96
Response: 4175
Amount: 0.100000



Manual Integration Results

RT: 20.94
Response: 8446
Amount: 0.100000



Reviewer: sullivanp, 21-Sep-2009 12:23:36
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

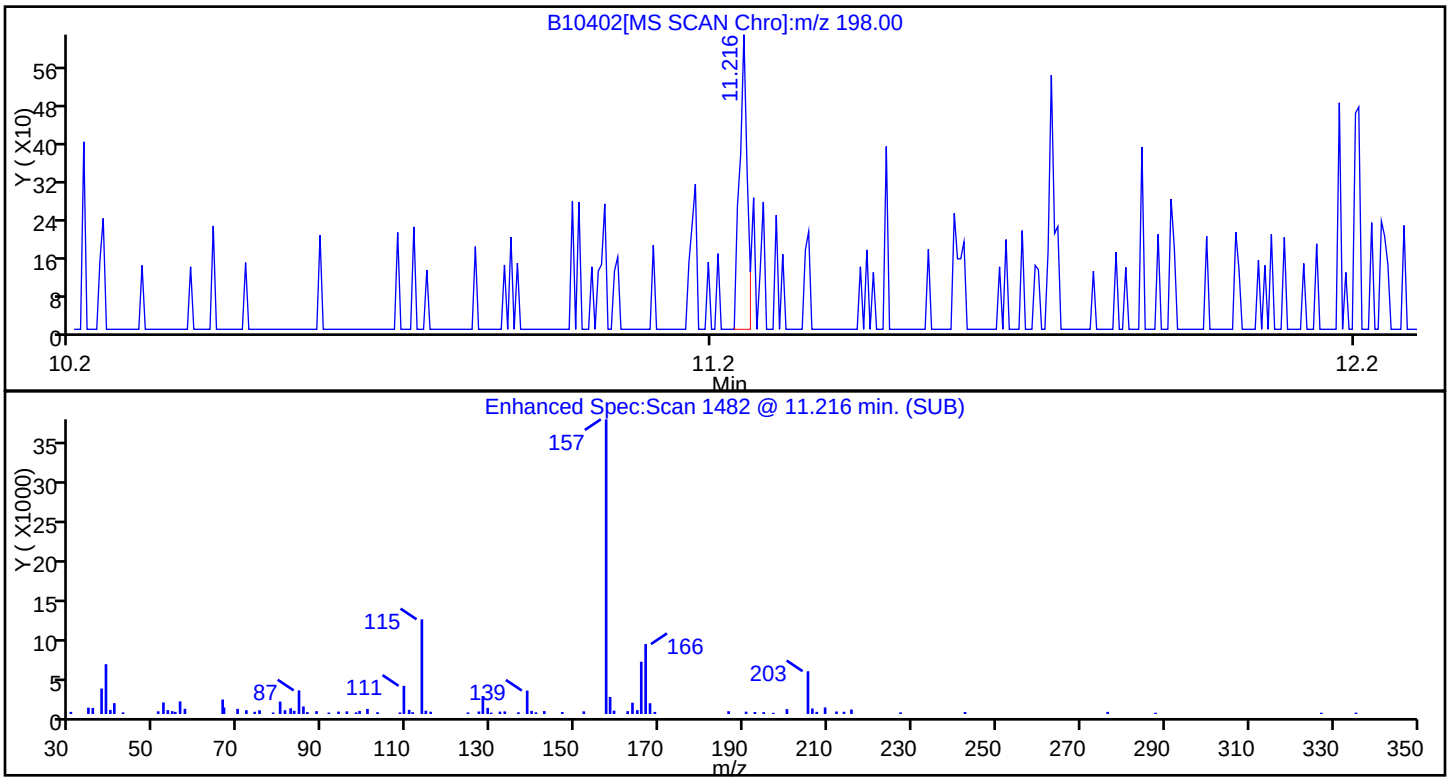
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10402.D		
Inj Date:	18-Sep-2009 17:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

70 4,6-Dinitro-2-methylphenol

Processing Results



RT	Mass	Response	Amount
11.22	198.00	495	0.100000
11.21	121.00	250	
11.22	105.00	261	

Reviewer: sullivanp, 21-Sep-2009 12:23:36
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10403.D		
Lims ID:	STD025	Client ID:	
Inject. Date:	18-Sep-2009 17:41:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	std025		
Misc. Info.:	360-0001228-004		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	4
Lims Batch ID:	49189	Lims Sample ID:	4
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\8270B.m		
Last Update:	21-Sep-2009 12:25:28	Calib Date:	18-Sep-2009 17:41:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10403.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 21-Sep-2009 12:25:26

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.113	8.113	0.000	521147	2.00	
* 2 Naphthalene-d8	136	9.239	9.243	-0.004	1243274	2.00	
* 3 Acenaphthene-d10	164	10.744	10.749	-0.005	597806	2.00	
* 4 Phenanthrene-d10	188	12.018	12.018	0.000	968247	2.00	
* 5 Chrysene-d12	240	15.731	15.735	-0.004	711557	2.00	
* 6 Perylene-d12	264	18.308	18.308	0.000	437487	2.00	
$ 7 2-Fluorophenol	112	6.858	6.863	-0.005	35843	0.2548	
$ 8 Phenol-d5	99	7.729	7.729	0.000	42556	0.2532	
$ 9 Nitrobenzene-d5	82	8.599	8.604	-0.005	43423	0.2566	
$ 10 2-Fluorobiphenyl	172	10.133	10.133	0.000	94272	0.2499	
$ 11 2,4,6-Tribromophenol	330	11.412	11.417	-0.005	5775	0.2383	
$ 12 Terphenyl-d14	244	13.745	13.749	-0.004	63650	0.2498	
14 1,4-Dioxane	88	4.752	4.752	0.000	19692	0.2506	
15 N-Nitrosodimethylamine	42	5.247	5.247	0.000	24861	0.2475	
16 Pyridine	79	5.339	5.339	0.000	36623	0.2500	M
17 Benzaldehyde	105	7.719	7.719	0.000	19165	0.2520	
18 Phenol	94	7.738	7.743	-0.005	45452	0.2677	
19 Aniline	93	7.806	7.810	-0.004	43562	0.2539	
20 Bis(2-chloroethyl)ether	93	7.839	7.844	-0.005	40177	0.2587	
21 2-Chlorophenol	128	7.921	7.926	-0.005	40368	0.2605	
22 1,4-Dichlorobenzene	146	8.065	8.065	0.000	51966	0.2662	
23 1,3-Dichlorobenzene	146	8.128	8.128	0.000	54530	0.2703	
24 Benzyl alcohol	79	8.219	8.210	0.009	5623	0.2500	
25 1,2-Dichlorobenzene	146	8.272	8.272	0.000	52697	0.2767	
26 2-Methylphenol	108	8.287	8.291	-0.004	39651	0.2754	
27 2,2'-oxybis[1-chloropropane]	45	8.320	8.320	0.000	75288	0.2629	
28 3 & 4 Methylphenol	108	8.416	8.416	0.000	41582	0.2920	
29 N-Nitrosodi-n-propylamine	70	8.431	8.436	-0.005	25839	0.2607	
30 Acetophenone	105	8.455	8.455	0.000	55005	0.2545	
31 Hexachloroethane	117	8.575	8.580	-0.005	17531	0.2612	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.618	8.618	0.000	41914	0.2618	
33 Isophorone	82	8.811	8.815	-0.004	66345	0.2615	
35 2,4-Dimethylphenol	107	8.883	8.883	0.000	34428	0.2705	
34 2-Nitrophenol	139	8.892	8.897	-0.005	18455	0.2640	
37 Bis(2-chloroethoxy)methane	93	8.965	8.965	0.001	45148	0.2691	
38 2,4-Dichlorophenol	162	9.094	9.099	-0.005	28658	0.2523	
39 1,2,4-Trichlorobenzene	180	9.176	9.181	-0.005	40115	0.2628	
40 Alpha-Terpineol	59	9.224	9.224	0.000	30025	0.2466	
41 Naphthalene	128	9.258	9.263	-0.005	135756	0.2628	
42 4-Chloroaniline	127	9.272	9.277	-0.005	58236	0.2775	
43 Hexachlorobutadiene	225	9.340	9.340	0.000	20019	0.2688	
44 Caprolactam	55	9.551	9.570	-0.019	14089	0.2560	
45 4-Chloro-3-methylphenol	107	9.652	9.652	0.000	29705	0.2743	
46 2-Methylnaphthalene	142	9.845	9.845	0.000	85062	0.2708	
47 1-Methylnaphthalene	142	9.931	9.936	-0.005	82736	0.2657	
48 Hexachlorocyclopentadiene	237	9.970	9.970	0.000	9895	0.2144	
49 1,2,4,5-Tetrachlorobenzene	216	9.984	9.989	-0.005	35242	0.2683	
50 2,4,6-Trichlorophenol	196	10.066	10.071	-0.005	18635	0.2438	
51 2,4,5-Trichlorophenol	196	10.099	10.104	-0.005	19580	0.2327	
52 1,1'-Biphenyl	154	10.224	10.229	-0.005	104391	0.2497	
53 2-Chloronaphthalene	162	10.268	10.273	-0.004	97794	0.2641	
54 Phenyl ether	170	10.306	10.306	0.000	54893	0.2576	
68 4-Nitroaniline	138	10.330	10.335	-0.005	19788	0.2268	
56 Dimethyl phthalate	163	10.441	10.446	-0.005	87513	0.2448	
57 2,6-Dinitrotoluene	165	10.513	10.518	-0.005	18946	0.2572	
58 Acenaphthylene	152	10.628	10.633	-0.005	114811	0.2561	
59 3-Nitroaniline	138	10.672	10.676	-0.004	17289	0.2444	
61 Acenaphthene	153	10.773	10.777	-0.004	83998	0.2537	
63 2,4-Dinitrotoluene	165	10.859	10.864	-0.005	20628	0.2405	
64 Dibenzofuran	168	10.912	10.917	-0.005	114005	0.2539	
65 2,3,4,6-Tetrachlorophenol	232	11.004	11.003	0.001	12575	0.2422	
66 Diethyl phthalate	149	11.023	11.027	-0.004	91096	0.2450	
67 4-Chlorophenyl phenyl ether	204	11.172	11.172	0.000	40053	0.2470	
55 2-Nitroaniline	65	11.191	11.196	-0.005	16069	0.2221	
69 Fluorene	166	11.210	11.210	0.000	87036	0.2391	
71 Diphenylamine	169	11.263	11.268	-0.005	71786	0.2498	
72 N-Nitrosodiphenylamine	169	11.263	11.268	-0.005	71786	0.2498	
73 1,2-Diphenylhydrazine	77	11.306	11.311	-0.005	128868	0.2468	
74 Azobenzene	77	11.306	11.311	-0.005	128868	0.2468	
13 Benzophenone	105	11.316	11.321	-0.005	81500	0.2502	
75 4-Bromophenyl phenyl ether	248	11.590	11.595	-0.005	21434	0.2526	
77 Atrazine	200	11.672	11.677	-0.005	19672	0.2356	
76 Hexachlorobenzene	284	11.682	11.686	-0.004	19423	0.2560	
79 Pentachloronitrobenzene	237	11.845	11.850	-0.005	7883	0.2508	
80 Phenanthrene	178	12.037	12.042	-0.005	126858	0.2558	
81 Anthracene	178	12.085	12.090	-0.005	112990	0.2565	
83 Carbazole	167	12.206	12.206	0.000	98979	0.2593	
84 Di-n-butyl phthalate	149	12.432	12.432	0.000	143373	0.2423	
87 Fluoranthene	202	13.297	13.297	0.000	108351	0.2575	
85 Pyrene	202	13.624	13.629	-0.005	110502	0.2612	
89 Butyl benzyl phthalate	149	14.519	14.523	-0.004	40348	0.2403	
92 Bis(2-ethylhexyl) phthalate	149	15.606	15.605	0.001	57769	0.2331	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
91 3,3'-Dichlorobenzidine	252	15.625	15.630	-0.005	34963	0.2341	
93 Benzo[a]anthracene	228	15.716	15.716	0.000	73662	0.2536	
94 Chrysene	228	15.774	15.779	-0.005	75495	0.2563	
95 Di-n-octyl phthalate	149	16.649	16.649	0.000	60640	0.2295	
97 Benzo[b]fluoranthene	252	17.524	17.515	0.009	57950	0.2525	
98 Benzo[k]fluoranthene	252	17.572	17.573	-0.001	51601	0.2523	
99 Benzo[a]pyrene	252	18.193	18.197	-0.004	35304	0.2379	
100 Indeno[1,2,3-cd]pyrene	276	20.953	20.953	0.000	22355	0.2178	M
101 Dibenz(a,h)anthracene	278	20.967	20.967	0.000	15585	0.2040	M
102 Benzo[g,h,i]perylene	276	21.756	21.766	-0.010	20051	0.2078	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 21-Sep-2009 12:25:28 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10403.D

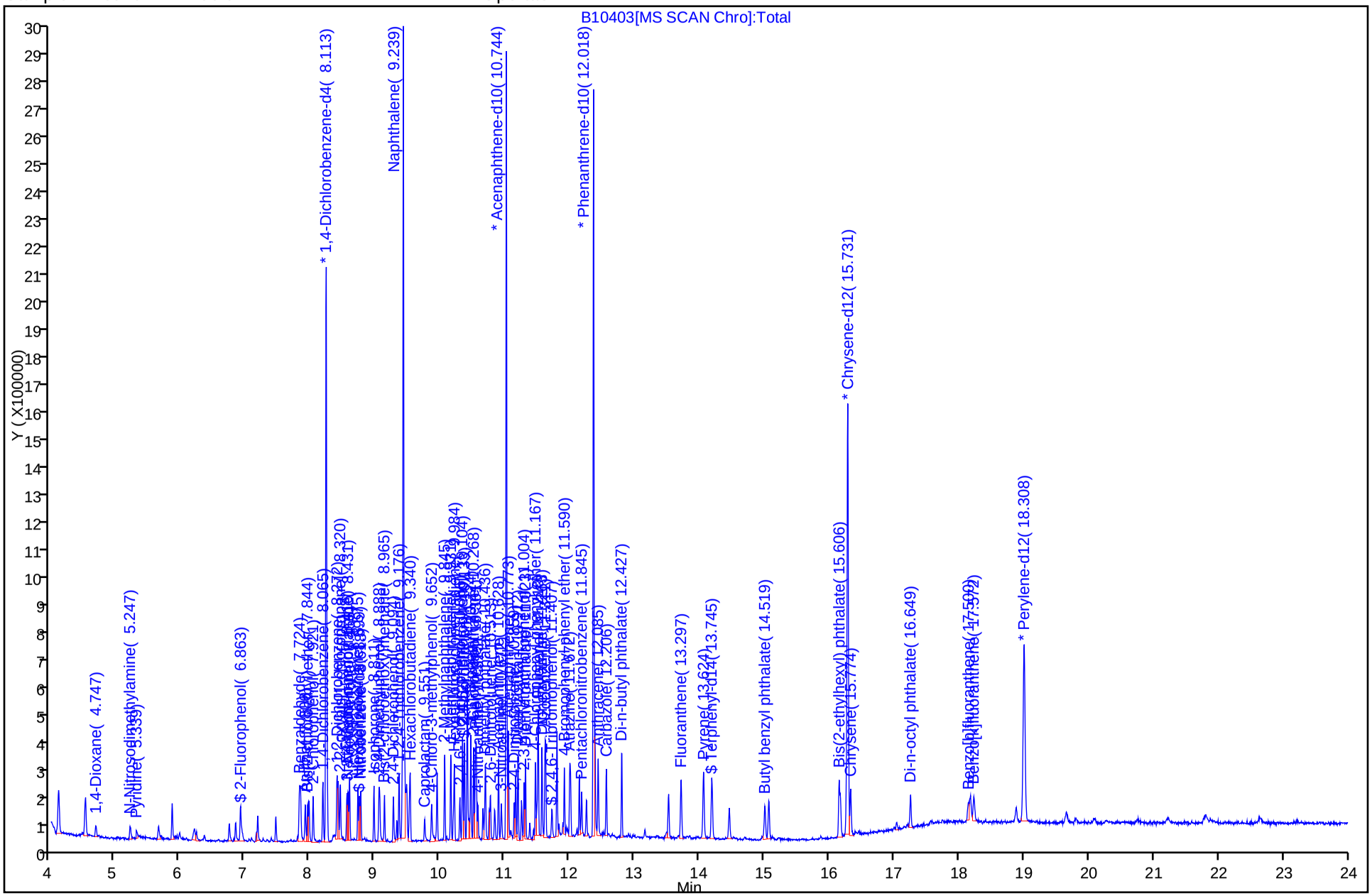
Inj Date: 18-Sep-2009 17:41:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49189 Lims Sample ID: 4

Client ID: Instrument: Inst. B

Sample Info: std025

Sample Amount: 2.00 uL Operator: MZ



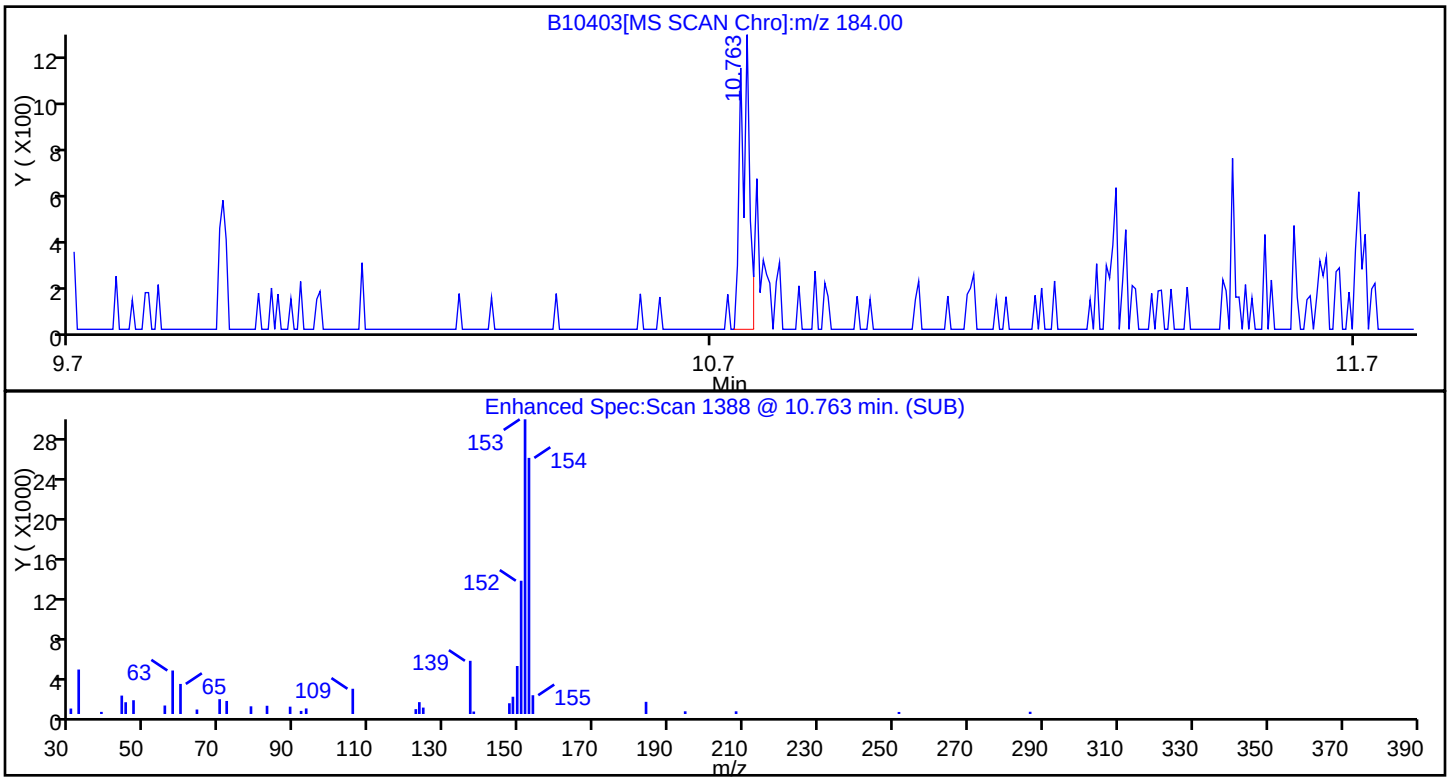
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10403.D		
Inj Date:	18-Sep-2009 17:41:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
10.76	184.00	1059	0.250000
10.77	63.00	12471	
10.77	154.00	79811	

Reviewer: sullivanp, 21-Sep-2009 12:25:26
Audit Action: Marked Compound Undetected
Audit Reason:

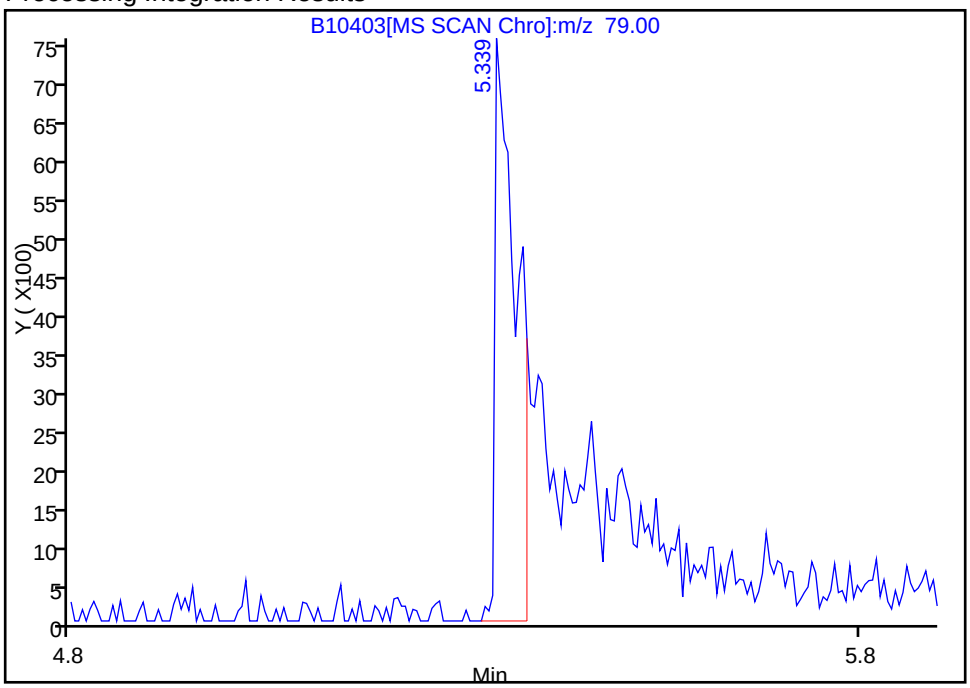
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10403.D		
Inj Date:	18-Sep-2009 17:41:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

16 Pyridine, Number: 1, m/z: 79 Type: quant, RT: 5.34

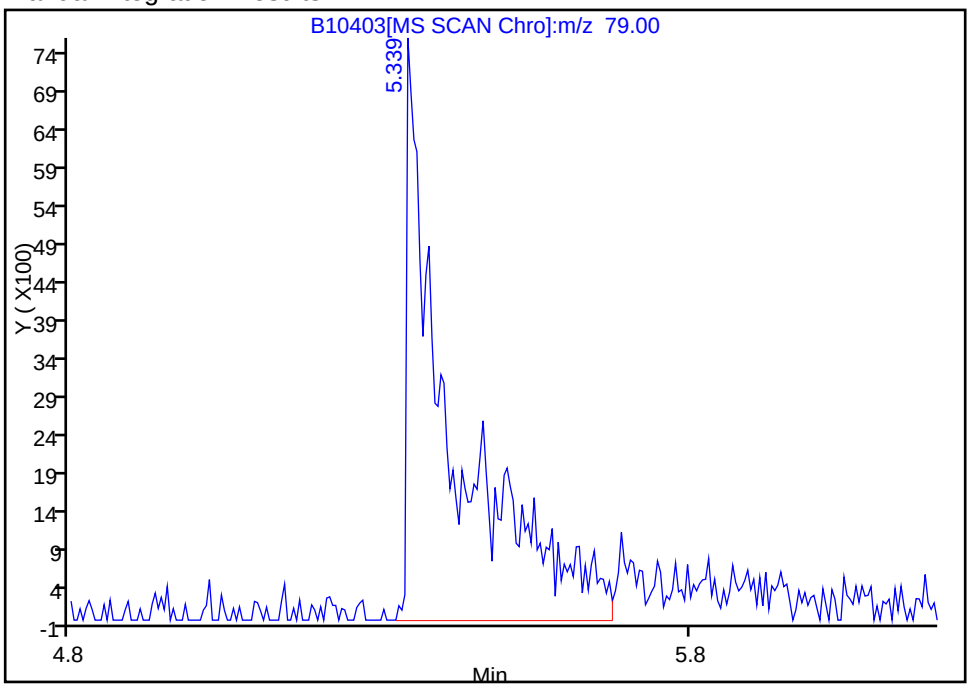
Processing Integration Results

RT: 5.34
Response: 14120
Amount: 0.250000



Manual Integration Results

RT: 5.34
Response: 36623
Amount: 0.250000



Reviewer: sullivanp, 21-Sep-2009 12:25:26
Audit Action: Manually Integrated
Audit Reason: Peak Tail

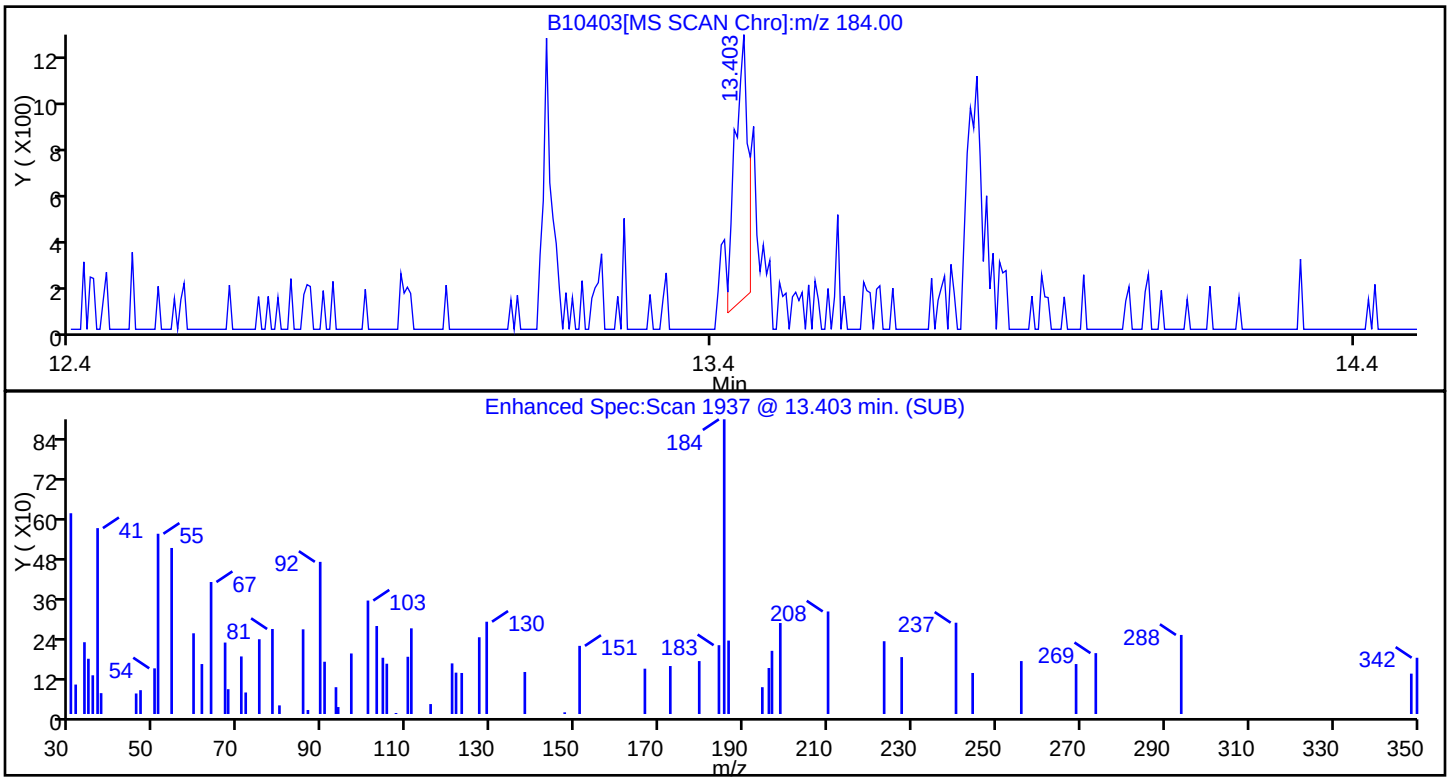
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10403.D		
Inj Date:	18-Sep-2009 17:41:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

86 Benzidine

Processing Results



RT	Mass	Response	Amount
13.40	184.00	1533	0.250000
13.40	92.00	510	

Reviewer: sullivanp, 21-Sep-2009 12:25:26
Audit Action: Marked Compound Undetected
Audit Reason:

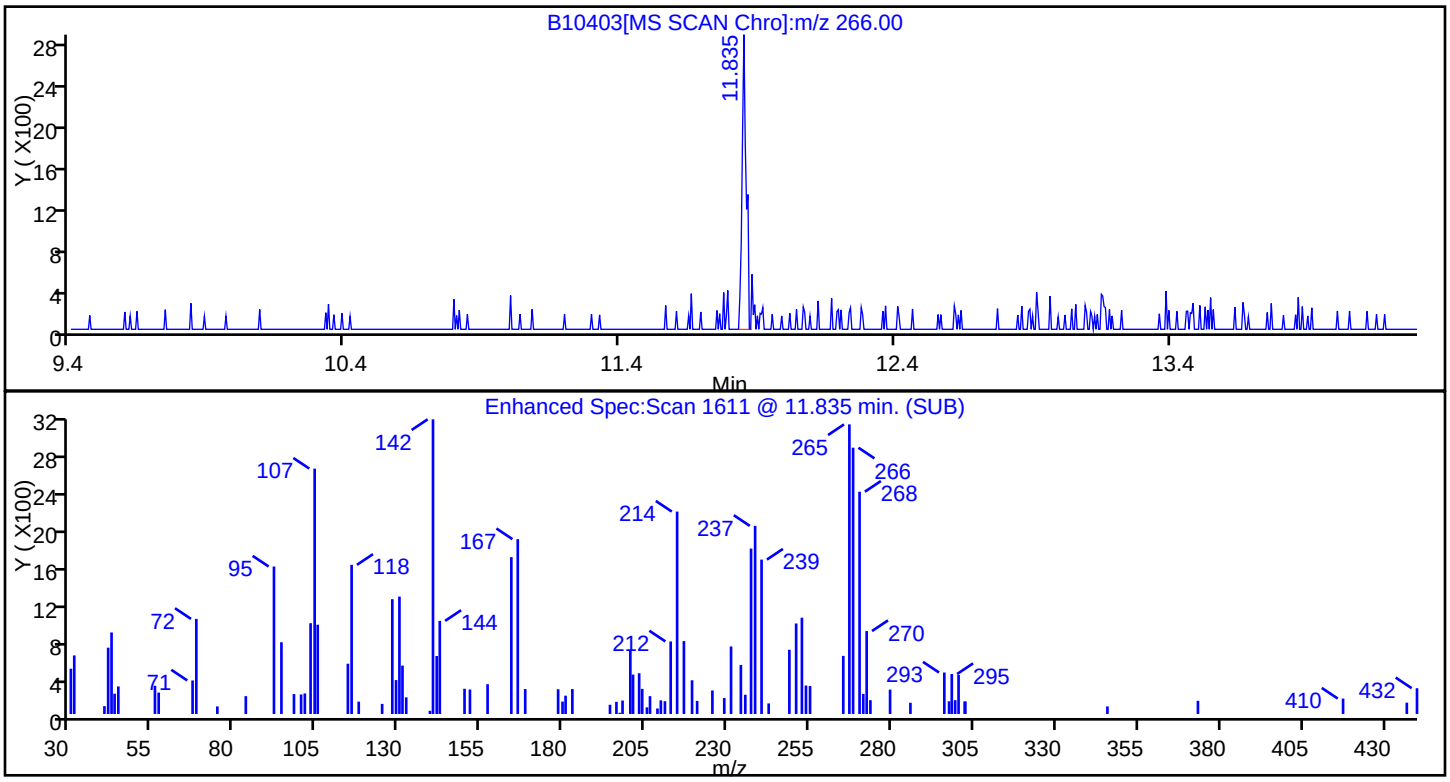
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10403.D		
Inj Date:	18-Sep-2009 17:41:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

78 Pentachlorophenol

Processing Results



RT	Mass	Response	Amount
11.84	266.00	2931	0.250000
11.84	264.00	2485	
11.84	268.00	1314	

Reviewer: sullivanp, 21-Sep-2009 12:25:26
Audit Action: Marked Compound Undetected
Audit Reason:

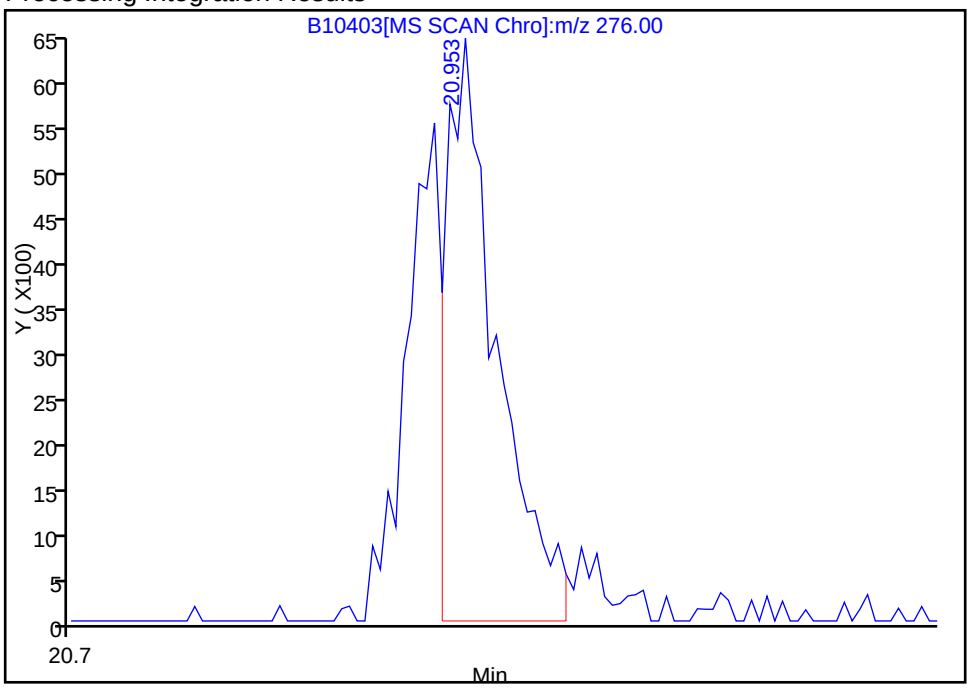
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10403.D		
Inj Date:	18-Sep-2009 17:41:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

100 Indeno[1,2,3-cd]pyrene, Number: 1, m/z: 276 Type: quant, RT: 20.95

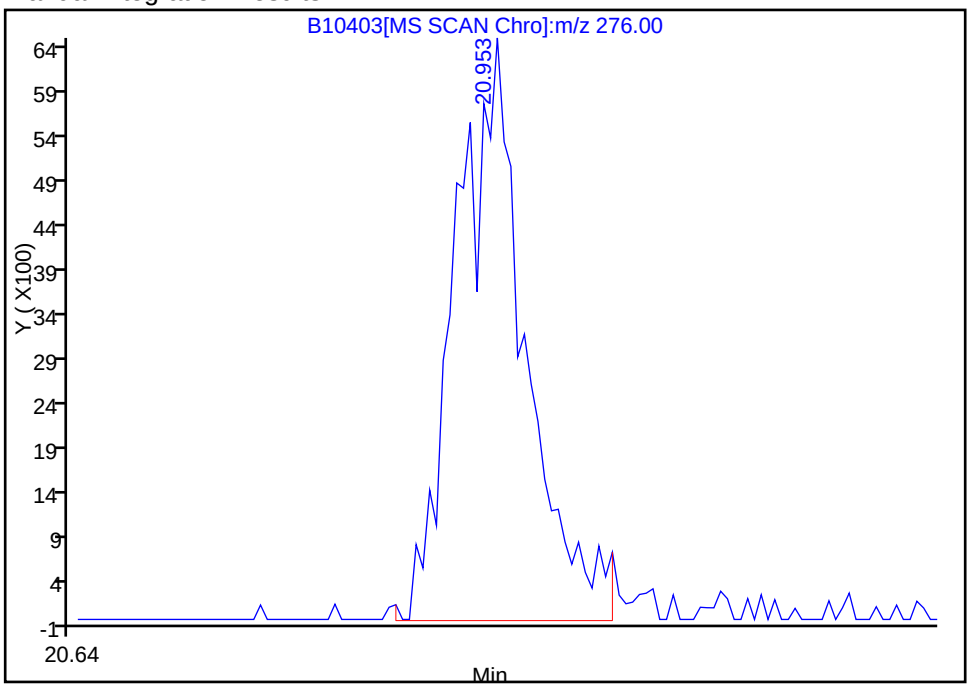
Processing Integration Results

RT: 20.95
Response: 14199
Amount: 0.169482



Manual Integration Results

RT: 20.95
Response: 22355
Amount: 0.217825



Reviewer: sullivanp, 21-Sep-2009 12:25:26
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

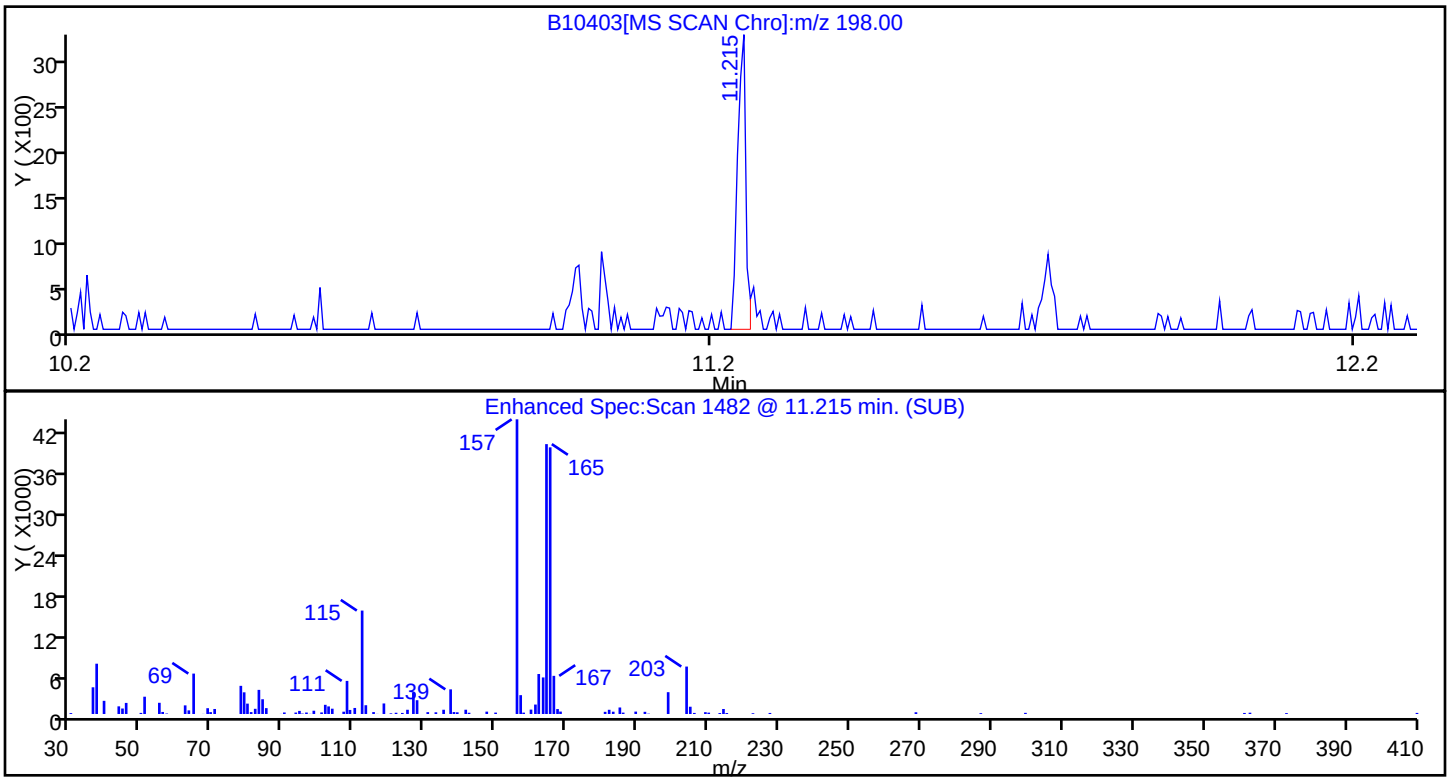
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10403.D		
Inj Date:	18-Sep-2009 17:41:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

70 4,6-Dinitro-2-methylphenol

Processing Results



RT	Mass	Response	Amount
11.22	198.00	2723	0.250000
11.21	121.00	1756	
11.21	105.00	2034	

Reviewer: sullivanp, 21-Sep-2009 12:25:26
Audit Action: Marked Compound Undetected
Audit Reason:

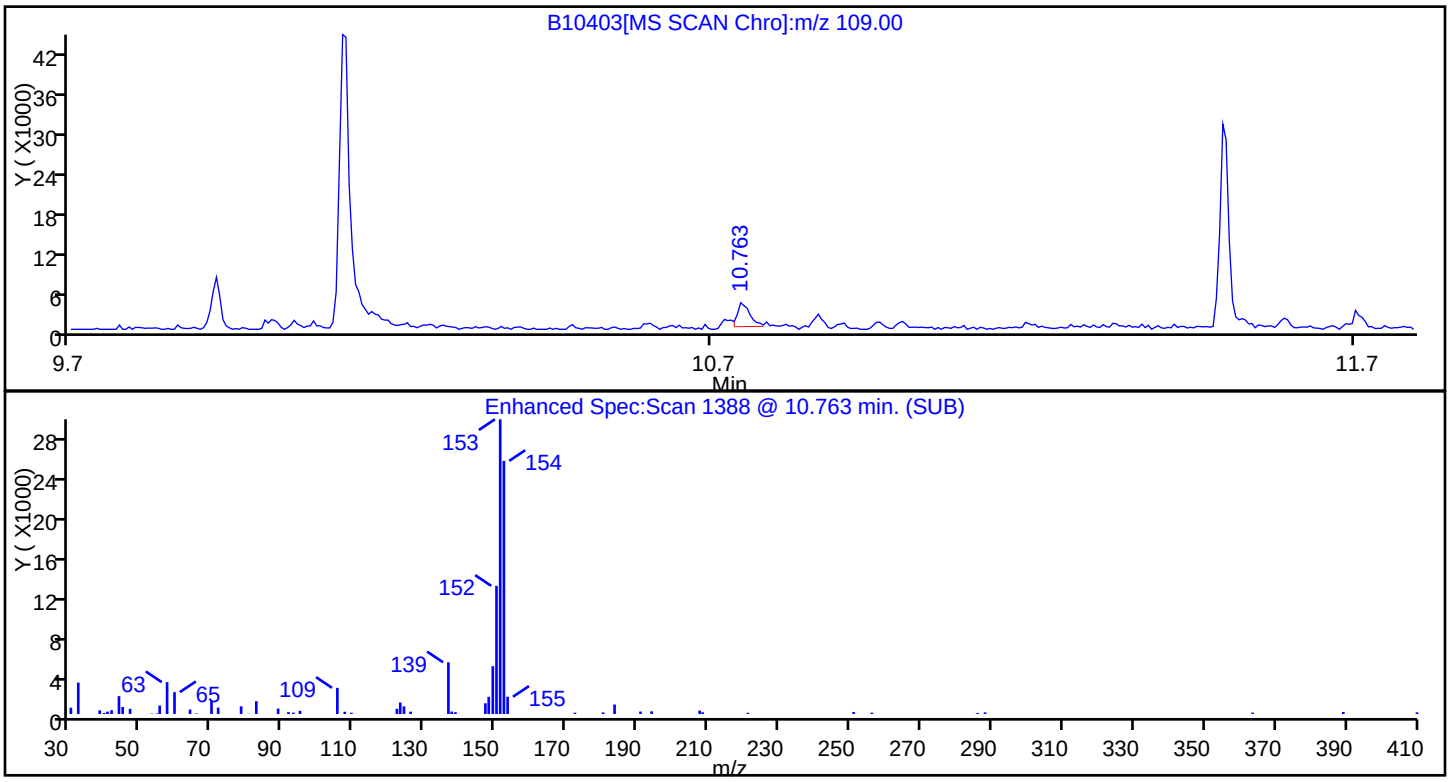
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10403.D		
Inj Date:	18-Sep-2009 17:41:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

62 4-Nitrophenol

Processing Results



RT	Mass	Response	Amount
10.76	109.00	4643	0.250000
10.77	139.00	9025	
10.77	64.00	3917	

Reviewer: sullivanp, 21-Sep-2009 12:25:26
Audit Action: Marked Compound Undetected
Audit Reason:

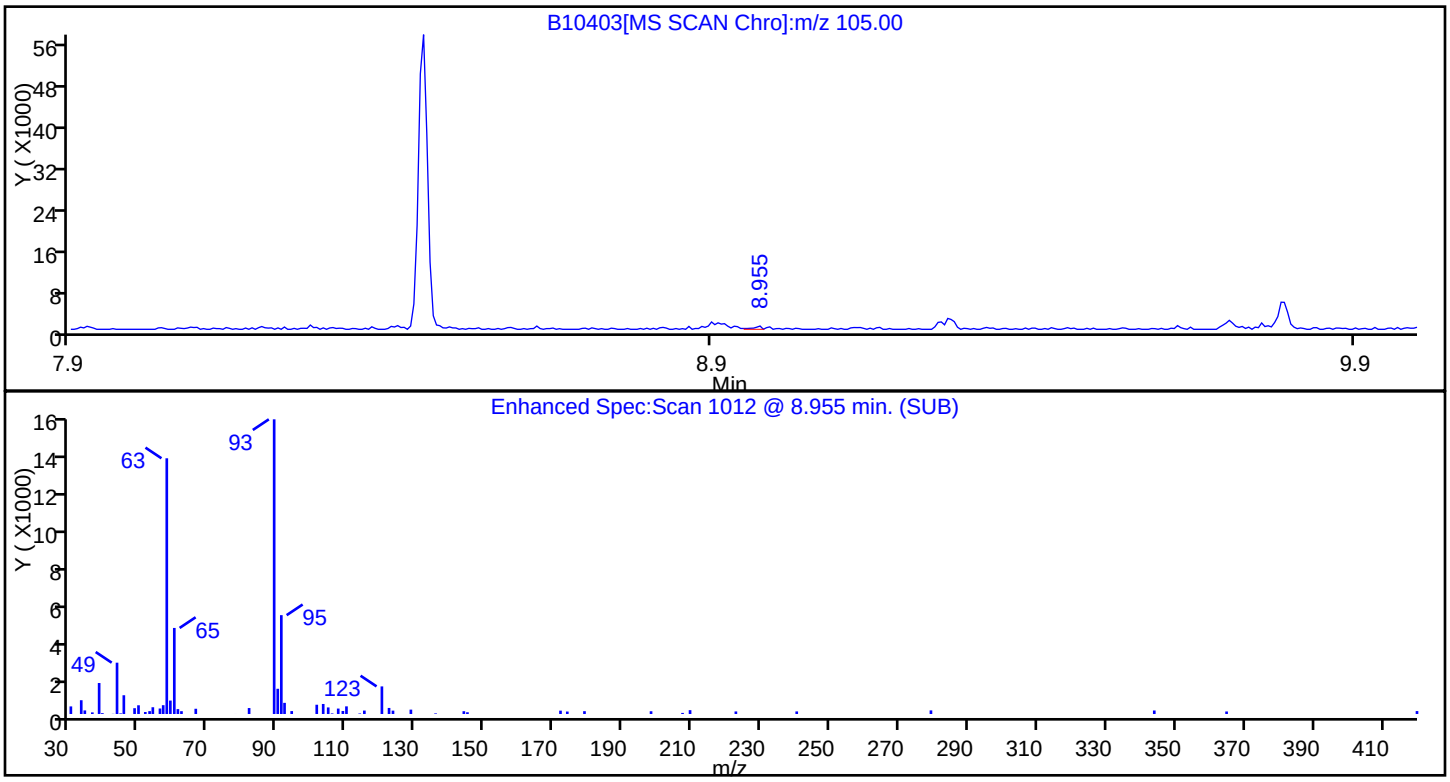
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10403.D		
Inj Date:	18-Sep-2009 17:41:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
8.95	105.00	527	0.250000
8.95	122.00	762	
8.94	77.00	538	

Reviewer: sullivanp, 21-Sep-2009 12:25:26
Audit Action: Marked Compound Undetected
Audit Reason:

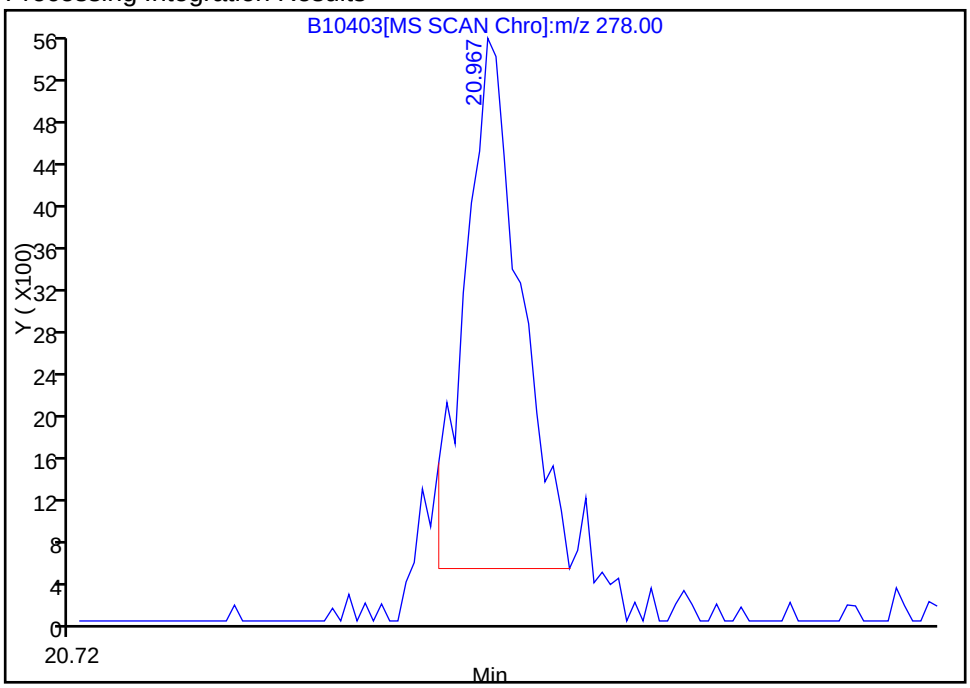
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10403.D		
Inj Date:	18-Sep-2009 17:41:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

101 Dibenz(a,h)anthracene, Number: 1, m/z: 278 Type: quant, RT: 20.97

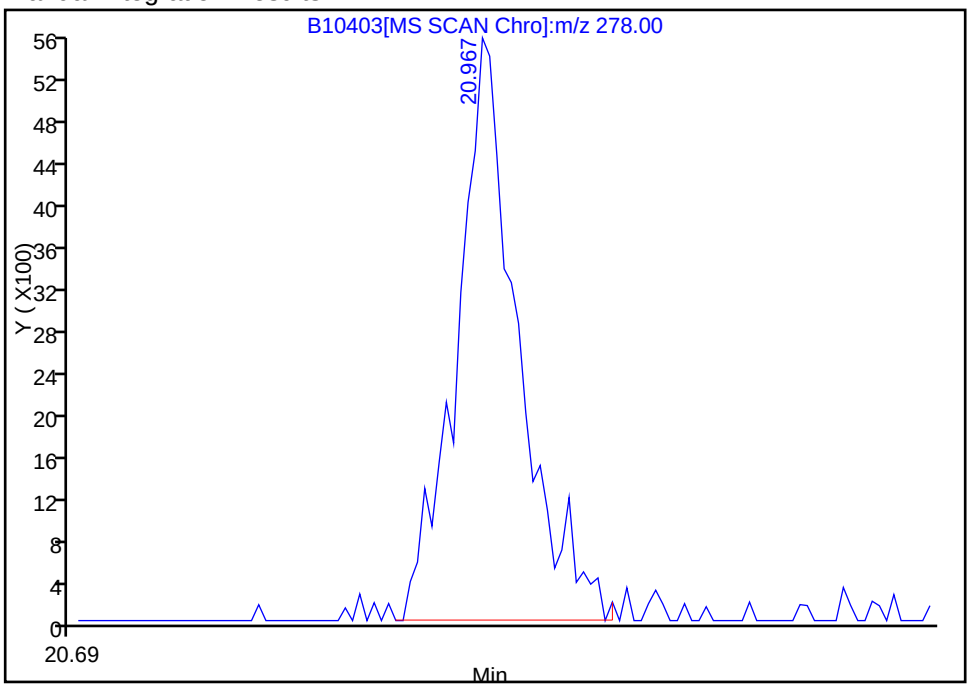
Processing Integration Results

RT: 20.97
Response: 11287
Amount: 0.171538



Manual Integration Results

RT: 20.97
Response: 15585
Amount: 0.203967



Reviewer: sullivanp, 21-Sep-2009 12:25:26
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10404.D		
Lims ID:	STD05	Client ID:	
Inject. Date:	18-Sep-2009 18:12:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	std05		
Misc. Info.:	360-0001228-005		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	5
Lims Batch ID:	49189	Lims Sample ID:	5
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\8270B.m		
Last Update:	21-Sep-2009 12:26:40	Calib Date:	18-Sep-2009 18:12:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10404.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 21-Sep-2009 12:26:40

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.114	8.113	0.001	538778	2.00	
* 2 Naphthalene-d8	136	9.239	9.243	-0.004	1284864	2.00	
* 3 Acenaphthene-d10	164	10.744	10.749	-0.005	613713	2.00	
* 4 Phenanthrene-d10	188	12.019	12.018	0.001	1004741	2.00	
* 5 Chrysene-d12	240	15.731	15.735	-0.004	739067	2.00	
* 6 Perylene-d12	264	18.309	18.308	0.001	416146	2.00	
$ 7 2-Fluorophenol	112	6.864	6.863	0.001	81872	0.5457	
$ 8 Phenol-d5	99	7.729	7.729	0.000	92361	0.5232	
$ 9 Nitrobenzene-d5	82	8.600	8.604	-0.004	95176	0.5324	
$ 10 2-Fluorobiphenyl	172	10.134	10.133	0.001	203154	0.5182	
$ 11 2,4,6-Tribromophenol	330	11.413	11.417	-0.004	13014	0.4853	
$ 12 Terphenyl-d14	244	13.750	13.749	0.001	142895	0.5294	
14 1,4-Dioxane	88	4.757	4.752	0.005	36046	0.5414	
15 N-Nitrosodimethylamine	42	5.253	5.247	0.006	57428	0.5387	
16 Pyridine	79	5.320	5.339	-0.019	65251	0.4884	
17 Benzaldehyde	105	7.720	7.719	0.001	41097	0.5169	
18 Phenol	94	7.739	7.743	-0.004	98289	0.5437	
19 Aniline	93	7.806	7.810	-0.004	103309	0.5298	
20 Bis(2-chloroethyl)ether	93	7.840	7.844	-0.004	87346	0.5322	
21 2-Chlorophenol	128	7.922	7.926	-0.004	83294	0.5147	
22 1,4-Dichlorobenzene	146	8.066	8.065	0.001	110472	0.5347	
23 1,3-Dichlorobenzene	146	8.128	8.128	0.000	114717	0.5366	
24 Benzyl alcohol	79	8.210	8.210	0.000	31850	0.4795	
25 1,2-Dichlorobenzene	146	8.273	8.272	0.001	106876	0.5314	
26 2-Methylphenol	108	8.287	8.291	-0.004	76159	0.5087	
27 2,2'-oxybis[1-chloropropane]	45	8.321	8.320	0.001	158886	0.5270	
28 3 & 4 Methylphenol	108	8.417	8.416	0.001	85733	0.5594	
29 N-Nitrosodi-n-propylamine	70	8.436	8.436	0.000	54894	0.5263	
30 Acetophenone	105	8.455	8.455	0.000	122966	0.5368	
31 Hexachloroethane	117	8.580	8.580	0.000	37200	0.5266	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.619	8.618	0.001	95495	0.5558	
33 Isophorone	82	8.811	8.815	-0.004	148402	0.5479	
35 2,4-Dimethylphenol	107	8.883	8.883	0.000	72860	0.5394	
34 2-Nitrophenol	139	8.893	8.897	-0.004	43079	0.5689	
36 Benzoic acid	105	8.898	8.931	-0.033	6258	0.5000	
37 Bis(2-chloroethoxy)methane	93	8.965	8.965	0.001	94106	0.5314	
38 2,4-Dichlorophenol	162	9.095	9.099	-0.004	63337	0.5292	
39 1,2,4-Trichlorobenzene	180	9.177	9.181	-0.004	86721	0.5364	
40 Alpha-Terpineol	59	9.225	9.224	0.001	71529	0.5496	
41 Naphthalene	128	9.258	9.263	-0.005	285792	0.5261	
42 4-Chloroaniline	127	9.278	9.277	0.001	128337	0.5657	
43 Hexachlorobutadiene	225	9.340	9.340	0.000	42109	0.5345	
44 Caprolactam	55	9.552	9.570	-0.018	29663	0.5160	
45 4-Chloro-3-methylphenol	107	9.653	9.652	0.001	60467	0.5296	
46 2-Methylnaphthalene	142	9.845	9.845	0.000	173542	0.5256	
47 1-Methylnaphthalene	142	9.932	9.936	-0.004	179784	0.5428	
48 Hexachlorocyclopentadiene	237	9.970	9.970	0.000	21885	0.4298	
49 1,2,4,5-Tetrachlorobenzene	216	9.985	9.989	-0.005	73842	0.5322	
50 2,4,6-Trichlorophenol	196	10.066	10.071	-0.005	44463	0.5568	
51 2,4,5-Trichlorophenol	196	10.100	10.104	-0.004	44676	0.5129	
52 1,1'-Biphenyl	154	10.225	10.229	-0.004	224837	0.5176	
53 2-Chloronaphthalene	162	10.268	10.273	-0.004	203204	0.5255	
54 Phenyl ether	170	10.307	10.306	0.001	121692	0.5384	
68 4-Nitroaniline	138	10.331	10.335	-0.004	48211	0.4968	
56 Dimethyl phthalate	163	10.441	10.446	-0.005	190141	0.5134	
57 2,6-Dinitrotoluene	165	10.513	10.518	-0.005	42661	0.5467	
58 Acenaphthylene	152	10.629	10.633	-0.004	251333	0.5338	
59 3-Nitroaniline	138	10.672	10.676	-0.004	38211	0.5194	
60 2,4-Dinitrophenol	184	10.759	10.758	0.001	3930	0.5000	
62 4-Nitrophenol	109	10.764	10.768	-0.004	13398	0.5000	
61 Acenaphthene	153	10.773	10.777	-0.004	174491	0.5100	
63 2,4-Dinitrotoluene	165	10.860	10.864	-0.004	47229	0.4901	
64 Dibenzofuran	168	10.917	10.917	0.000	227872	0.4957	
65 2,3,4,6-Tetrachlorophenol	232	11.004	11.003	0.001	29544	0.4972	
66 Diethyl phthalate	149	11.023	11.027	-0.004	194321	0.5067	
67 4-Chlorophenyl phenyl ether	204	11.172	11.172	0.000	83170	0.4997	
55 2-Nitroaniline	65	11.192	11.196	-0.004	37904	0.4496	
69 Fluorene	166	11.211	11.210	0.001	189688	0.5058	
70 4,6-Dinitro-2-methylphenol	198	11.211	11.215	-0.004	8902	0.5000	
71 Diphenylamine	169	11.264	11.268	-0.004	158308	0.5228	
72 N-Nitrosodiphenylamine	169	11.264	11.268	-0.004	158308	0.5228	
73 1,2-Diphenylhydrazine	77	11.307	11.311	-0.004	291126	0.5274	
74 Azobenzene	77	11.307	11.311	-0.004	291126	0.5274	
13 Benzophenone	105	11.317	11.321	-0.004	175028	0.5133	
75 4-Bromophenyl phenyl ether	248	11.591	11.595	-0.004	45398	0.5116	
77 Atrazine	200	11.672	11.677	-0.005	44571	0.5108	
76 Hexachlorobenzene	284	11.682	11.686	-0.004	42566	0.5298	
78 Pentachlorophenol	266	11.831	11.835	-0.004	9221	0.5000	
79 Pentachloronitrobenzene	237	11.846	11.850	-0.004	17304	0.5322	
80 Phenanthrene	178	12.038	12.042	-0.004	260966	0.5053	
81 Anthracene	178	12.086	12.090	-0.004	239821	0.5183	
83 Carbazole	167	12.206	12.206	0.000	217314	0.5357	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	12.432	12.432	0.000	295440	0.4857	
87 Fluoranthene	202	13.298	13.297	0.001	226821	0.5144	
86 Benzidine	184	13.399	13.403	-0.004	11254	0.5000	
85 Pyrene	202	13.625	13.629	-0.004	238524	0.5315	
89 Butyl benzyl phthalate	149	14.519	14.523	-0.004	94252	0.5298	
92 Bis(2-ethylhexyl) phthalate	149	15.606	15.605	0.001	117342	0.4662	
91 3,3'-Dichlorobenzidine	252	15.625	15.630	-0.005	93270	0.5087	
93 Benzo[a]anthracene	228	15.712	15.716	-0.004	159763	0.5218	
94 Chrysene	228	15.774	15.779	-0.005	151815	0.4972	
95 Di-n-octyl phthalate	149	16.645	16.649	-0.004	136739	0.4939	
97 Benzo[b]fluoranthene	252	17.520	17.515	0.005	117750	0.5290	
98 Benzo[k]fluoranthene	252	17.573	17.573	0.000	106137	0.5334	
99 Benzo[a]pyrene	252	18.188	18.197	-0.009	77870	0.5443	
100 Indeno[1,2,3-cd]pyrene	276	20.939	20.953	-0.014	51029	0.5190	
101 Dibenz(a,h)anthracene	278	20.963	20.967	-0.004	40935	0.4930	
102 Benzo[g,h,i]perylene	276	21.747	21.766	-0.019	50254	0.5348	

Report Date: 21-Sep-2009 12:26:41 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10404.D

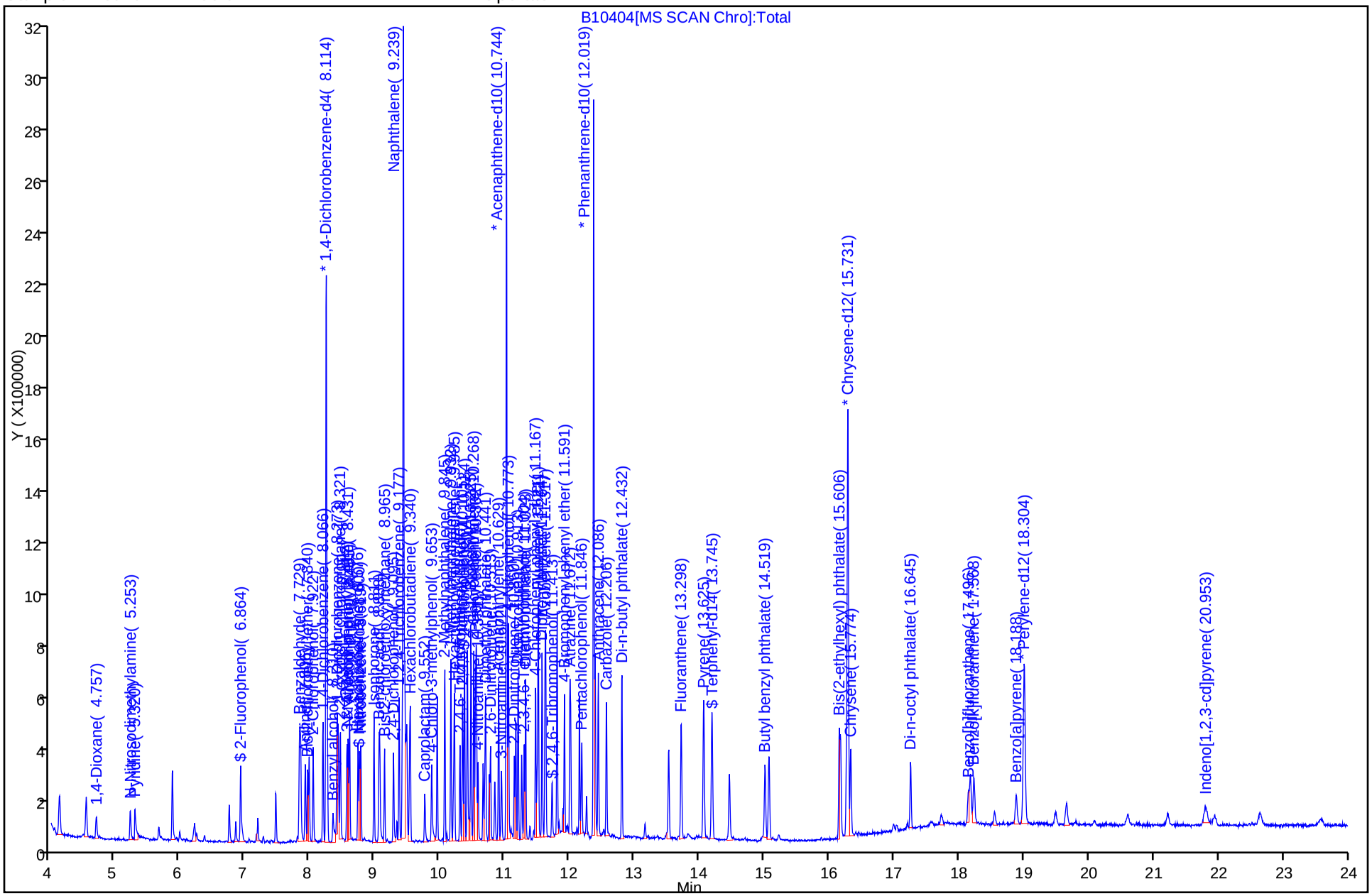
Inj Date: 18-Sep-2009 18:12:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49189 Lims Sample ID: 5

Client ID: Instrument: Inst. B

Sample Info: std05

Sample Amount: 2.00 uL Operator: MZ

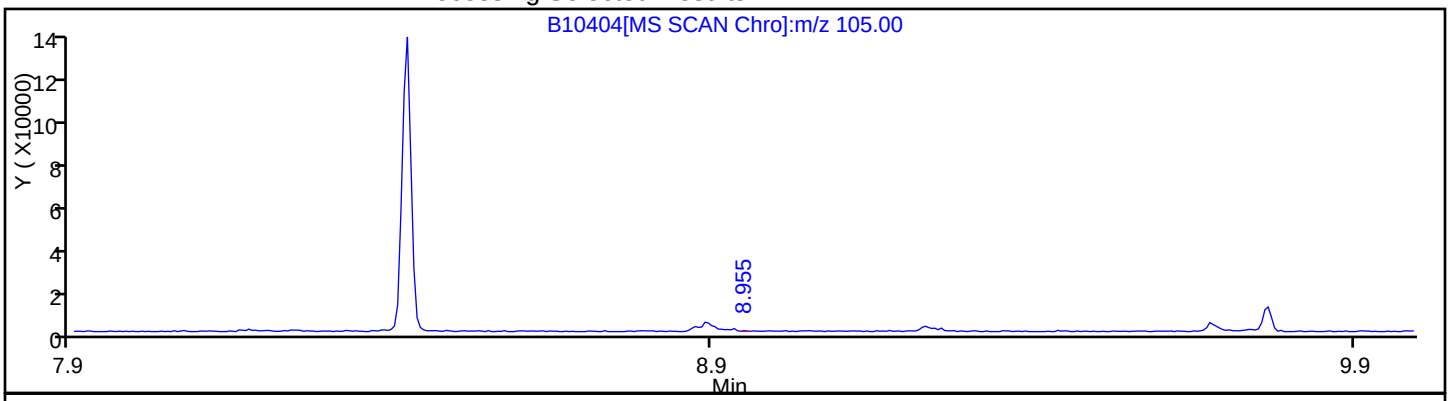


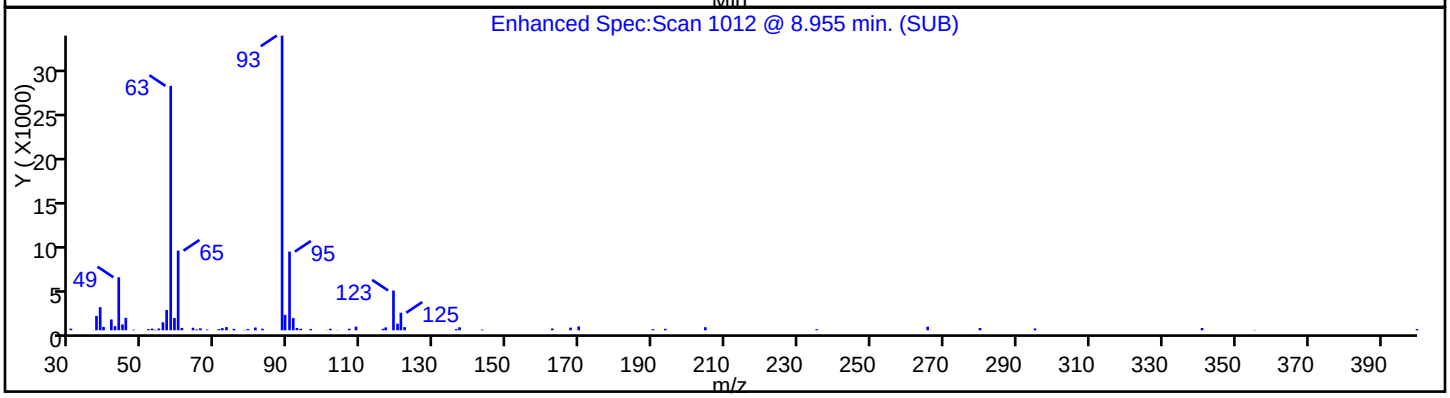
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10404.D		
Inj Date:	18-Sep-2009 18:12:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	std05		
Sample Amount:	2.00 uL	Operator:	MZ

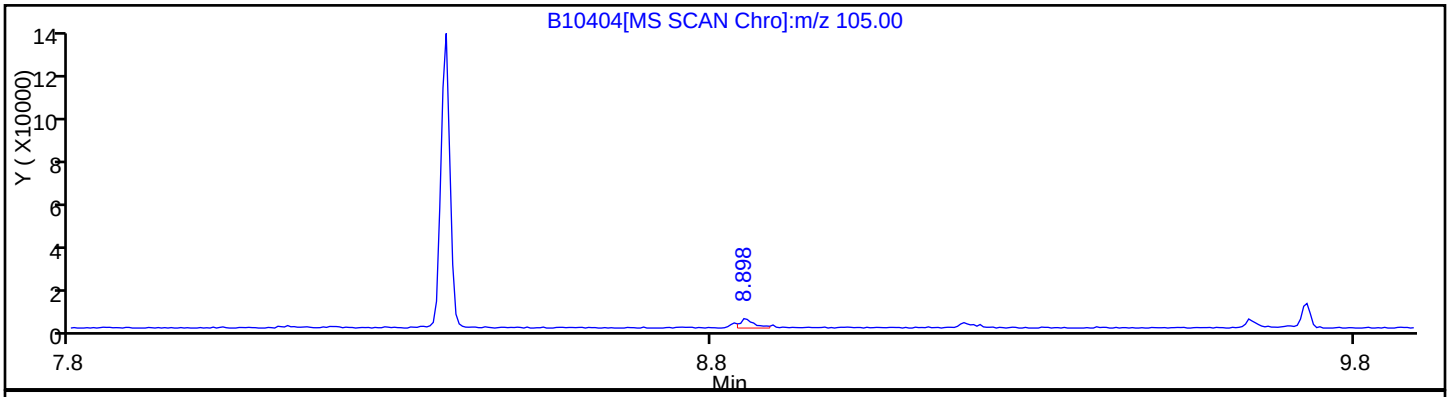
36 Benzoic acid

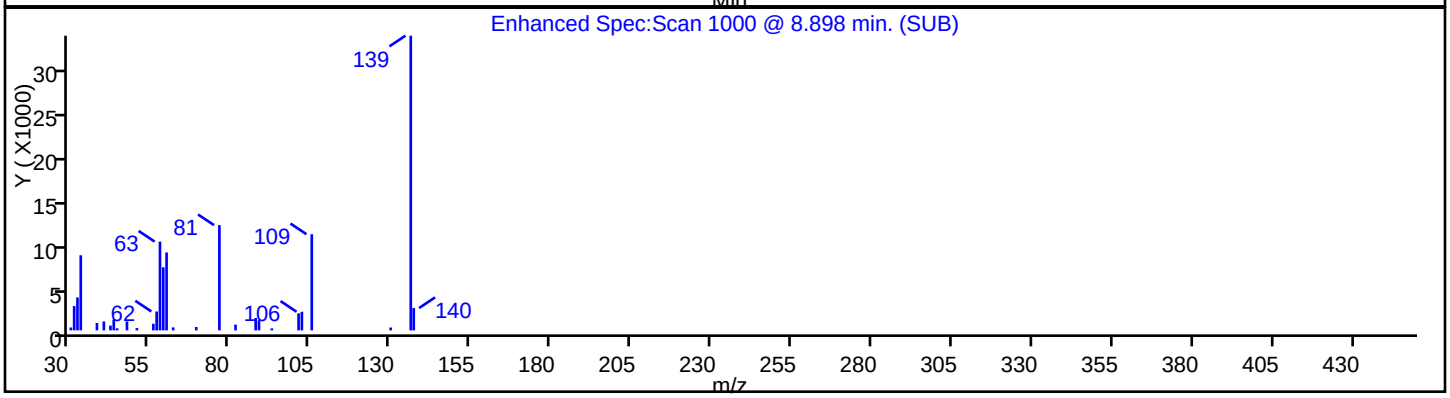
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 21-Sep-2009 12:26:40
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10405.D		
Lims ID:	STD1	Client ID:	
Inject. Date:	18-Sep-2009 18:44:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	std1		
Misc. Info.:	360-0001228-006		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	6
Lims Batch ID:	49189	Lims Sample ID:	6
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\8270B.m		
Last Update:	21-Sep-2009 12:28:10	Calib Date:	18-Sep-2009 18:44:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10405.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 21-Sep-2009 12:28:10

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.108	8.113	-0.005	433436	2.00	
* 2 Naphthalene-d8	136	9.238	9.243	-0.005	1038785	2.00	
* 3 Acenaphthene-d10	164	10.743	10.749	-0.006	500613	2.00	
* 4 Phenanthrene-d10	188	12.018	12.018	0.000	808784	2.00	
* 5 Chrysene-d12	240	15.730	15.735	-0.005	640127	2.00	
* 6 Perylene-d12	264	18.308	18.308	0.000	377188	2.00	
$ 7 2-Fluorophenol	112	6.853	6.863	-0.010	133053	1.08	
$ 8 Phenol-d5	99	7.724	7.729	-0.005	151894	1.05	
$ 9 Nitrobenzene-d5	82	8.599	8.604	-0.005	153226	1.05	
$ 10 2-Fluorobiphenyl	172	10.133	10.133	0.000	315344	0.9888	
$ 11 2,4,6-Tribromophenol	330	11.412	11.417	-0.005	21641	1.06	
$ 12 Terphenyl-d14	244	13.749	13.749	0.000	232251	0.99	
14 1,4-Dioxane	88	4.713	4.752	-0.039	52594	1.07	
15 N-Nitrosodimethylamine	42	5.228	5.247	-0.019	84029	0.9838	
16 Pyridine	79	5.281	5.339	-0.058	82732	0.8418	
17 Benzaldehyde	105	7.719	7.719	0.000	67871	1.05	
18 Phenol	94	7.738	7.743	-0.005	160508	1.08	
19 Aniline	93	7.805	7.810	-0.005	177157	1.06	
20 Bis(2-chloroethyl)ether	93	7.839	7.844	-0.005	134015	1.01	
21 2-Chlorophenol	128	7.921	7.926	-0.005	139682	1.06	
22 1,4-Dichlorobenzene	146	8.065	8.065	0.000	174662	1.04	
23 1,3-Dichlorobenzene	146	8.127	8.128	-0.001	180789	1.04	
24 Benzyl alcohol	79	8.209	8.210	-0.001	69867	0.9687	
25 1,2-Dichlorobenzene	146	8.272	8.272	0.000	160036	0.99	
26 2-Methylphenol	108	8.286	8.291	-0.005	137364	1.11	
27 2,2'-oxybis[1-chloropropane]	45	8.315	8.320	-0.005	250590	1.03	
28 3 & 4 Methylphenol	108	8.416	8.416	0.000	125112	1.01	
29 N-Nitrosodi-n-propylamine	70	8.430	8.436	-0.006	90969	1.07	
30 Acetophenone	105	8.454	8.455	-0.001	193327	1.04	
31 Hexachloroethane	117	8.575	8.580	-0.005	58740	1.03	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.618	8.618	0.000	152420	1.08	
33 Isophorone	82	8.810	8.815	-0.005	244954	1.09	
35 2,4-Dimethylphenol	107	8.882	8.883	-0.001	105623	0.9736	
34 2-Nitrophenol	139	8.892	8.897	-0.005	70112	1.11	
36 Benzoic acid	105	8.906	8.906	0.000	13074	0.8303	M
37 Bis(2-chloroethoxy)methane	93	8.964	8.965	0.000	153349	1.06	
38 2,4-Dichlorophenol	162	9.094	9.099	-0.005	104270	1.06	
39 1,2,4-Trichlorobenzene	180	9.176	9.181	-0.005	135438	1.03	
40 Alpha-Terpineol	59	9.224	9.224	0.000	108593	1.03	
41 Naphthalene	128	9.258	9.263	-0.005	452088	1.02	
42 4-Chloroaniline	127	9.277	9.277	0.000	218232	1.15	
43 Hexachlorobutadiene	225	9.339	9.340	-0.001	66472	1.03	
44 Caprolactam	55	9.551	9.570	-0.019	53166	1.11	
45 4-Chloro-3-methylphenol	107	9.652	9.652	0.000	99641	1.06	
46 2-Methylnaphthalene	142	9.844	9.845	-0.001	281218	1.04	
47 1-Methylnaphthalene	142	9.931	9.936	-0.005	284518	1.05	
48 Hexachlorocyclopentadiene	237	9.969	9.970	-0.001	36314	0.9680	
49 1,2,4,5-Tetrachlorobenzene	216	9.984	9.989	-0.005	117299	1.04	
50 2,4,6-Trichlorophenol	196	10.065	10.071	-0.006	71673	1.08	
51 2,4,5-Trichlorophenol	196	10.104	10.104	0.000	74806	1.04	
52 1,1'-Biphenyl	154	10.224	10.229	-0.005	346730	0.9828	
53 2-Chloronaphthalene	162	10.267	10.273	-0.005	313874	1.00	
54 Phenyl ether	170	10.306	10.306	0.000	187095	1.02	
68 4-Nitroaniline	138	10.330	10.335	-0.005	78827	1.05	
56 Dimethyl phthalate	163	10.440	10.446	-0.006	300712	1.00	
57 2,6-Dinitrotoluene	165	10.513	10.518	-0.005	69258	1.07	
58 Acenaphthylene	152	10.633	10.633	0.000	406129	1.05	
59 3-Nitroaniline	138	10.671	10.676	-0.005	63940	1.05	
60 2,4-Dinitrophenol	184	10.758	10.758	0.000	9633	0.8493	
62 4-Nitrophenol	109	10.767	10.768	-0.001	26049	0.8952	
61 Acenaphthene	153	10.772	10.777	-0.005	287811	1.02	
63 2,4-Dinitrotoluene	165	10.859	10.864	-0.005	79551	0.9777	
64 Dibenzofuran	168	10.917	10.917	0.000	373139	1.00	
65 2,3,4,6-Tetrachlorophenol	232	11.003	11.003	0.000	49372	0.9795	
66 Diethyl phthalate	149	11.022	11.027	-0.005	300685	0.9687	
67 4-Chlorophenyl phenyl ether	204	11.171	11.172	-0.001	131623	0.9754	
55 2-Nitroaniline	65	11.191	11.196	-0.005	67920	0.9875	
69 Fluorene	166	11.210	11.210	0.000	309911	1.01	
70 4,6-Dinitro-2-methylphenol	198	11.210	11.215	-0.005	19805	0.8688	
71 Diphenylamine	169	11.263	11.268	-0.005	258183	1.05	
72 N-Nitrosodiphenylamine	169	11.263	11.268	-0.005	258183	1.05	
73 1,2-Diphenylhydrazine	77	11.311	11.311	0.000	467601	1.04	
74 Azobenzene	77	11.311	11.311	0.000	467601	1.04	
13 Benzophenone	105	11.316	11.321	-0.005	286629	1.04	
75 4-Bromophenyl phenyl ether	248	11.595	11.595	0.000	70074	0.9848	
77 Atrazine	200	11.672	11.677	-0.005	72052	1.02	
76 Hexachlorobenzene	284	11.681	11.686	-0.005	66787	1.03	
78 Pentachlorophenol	266	11.835	11.835	0.000	17790	0.8708	
79 Pentachloronitrobenzene	237	11.845	11.850	-0.005	29321	1.09	
80 Phenanthrene	178	12.042	12.042	0.000	408677	0.9865	
81 Anthracene	178	12.085	12.090	-0.005	395196	1.05	
83 Carbazole	167	12.205	12.206	-0.001	345802	1.05	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	12.431	12.432	-0.001	475440	0.9767	
87 Fluoranthene	202	13.297	13.297	0.000	364536	1.02	
86 Benzidine	184	13.398	13.403	-0.005	56378	0.8285	
85 Pyrene	202	13.624	13.629	-0.005	394464	1.01	
89 Butyl benzyl phthalate	149	14.518	14.523	-0.005	166257	1.06	
92 Bis(2-ethylhexyl) phthalate	149	15.605	15.605	0.000	208764	0.9658	
91 3,3'-Dichlorobenzidine	252	15.624	15.630	-0.006	182292	1.05	
93 Benzo[a]anthracene	228	15.711	15.716	-0.005	271547	1.02	
94 Chrysene	228	15.773	15.779	-0.006	261616	0.99	
95 Di-n-octyl phthalate	149	16.649	16.649	0.000	260100	1.00	
97 Benzo[b]fluoranthene	252	17.519	17.515	0.004	218127	1.06	
98 Benzo[k]fluoranthene	252	17.572	17.573	-0.001	197332	1.07	
99 Benzo[a]pyrene	252	18.187	18.197	-0.010	148749	1.11	
100 Indeno[1,2,3-cd]pyrene	276	20.943	20.953	-0.010	83723	0.9510	
101 Dibenz(a,h)anthracene	278	20.962	20.967	-0.005	64331	0.8475	
102 Benzo[g,h,i]perylene	276	21.751	21.766	-0.015	84094	0.9899	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 21-Sep-2009 12:28:11 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10405.D

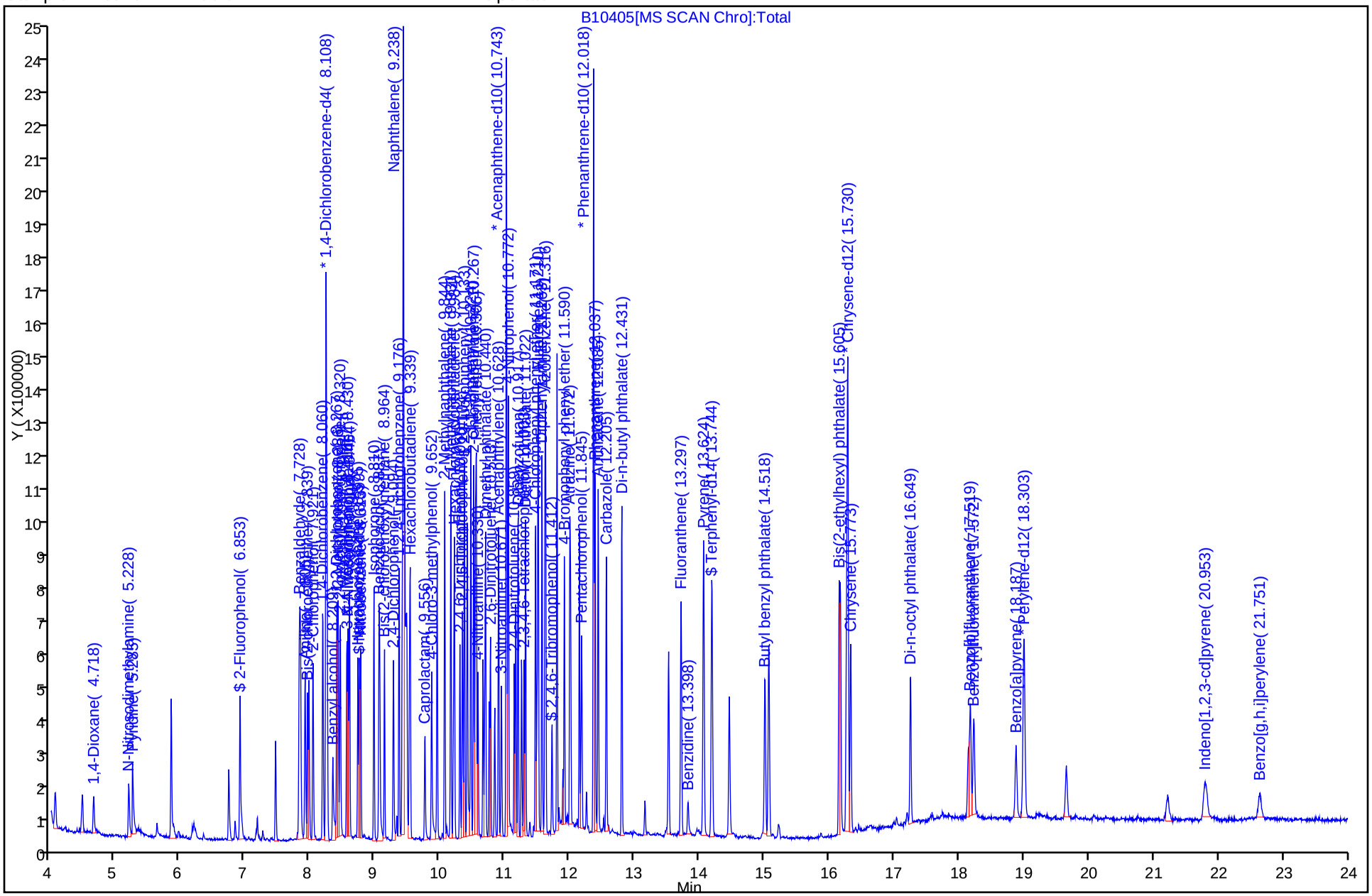
Inj Date: 18-Sep-2009 18:44:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49189 Lims Sample ID: 6

Client ID: Instrument: Inst. B

Sample Info: std1

Sample Amount: 2.00 uL Operator: MZ

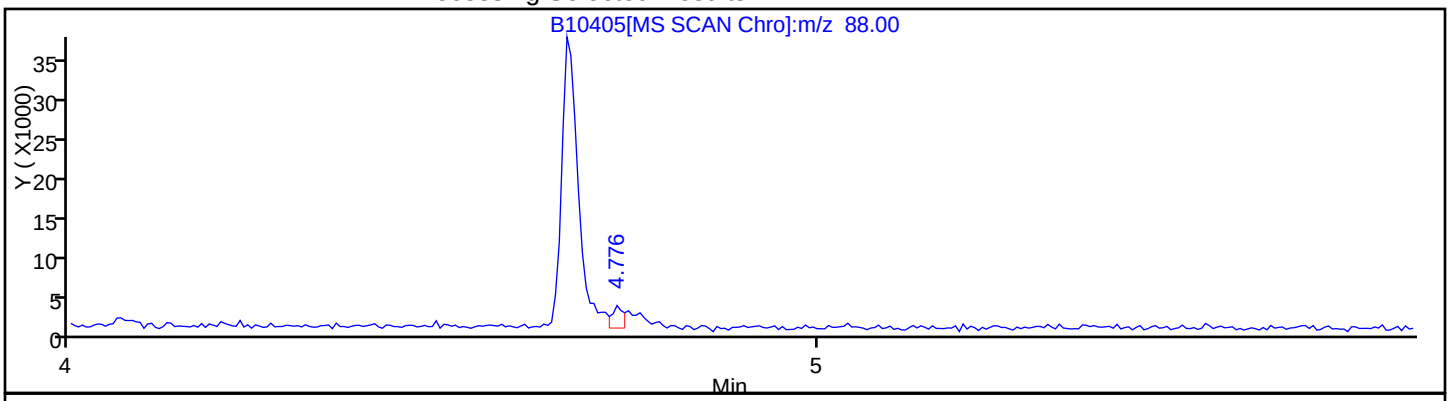


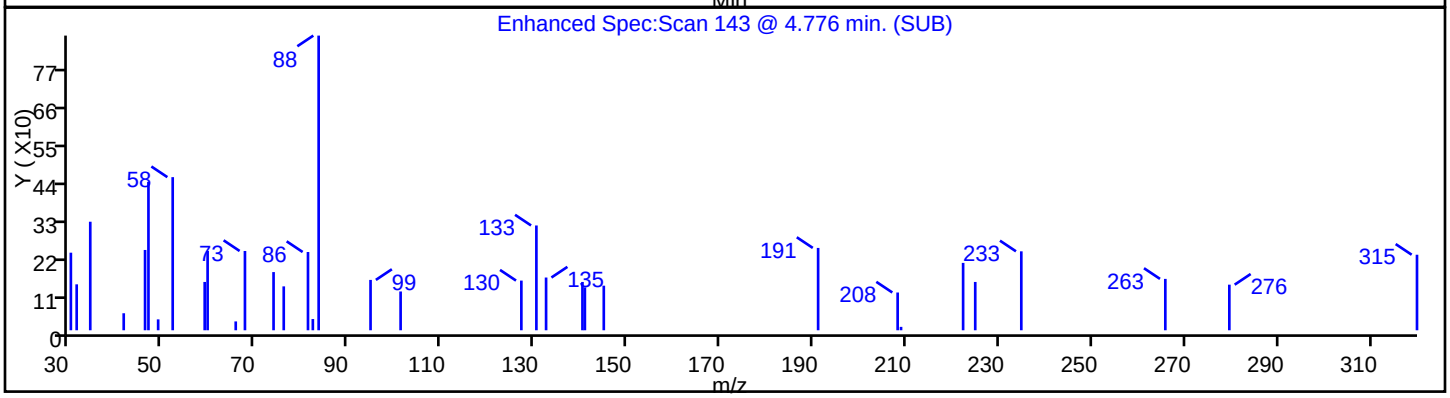
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10405.D		
Inj Date:	18-Sep-2009 18:44:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	6
Client ID:		Instrument:	Inst. B
Sample Info:	std1		
Sample Amount:	2.00 uL	Operator:	MZ

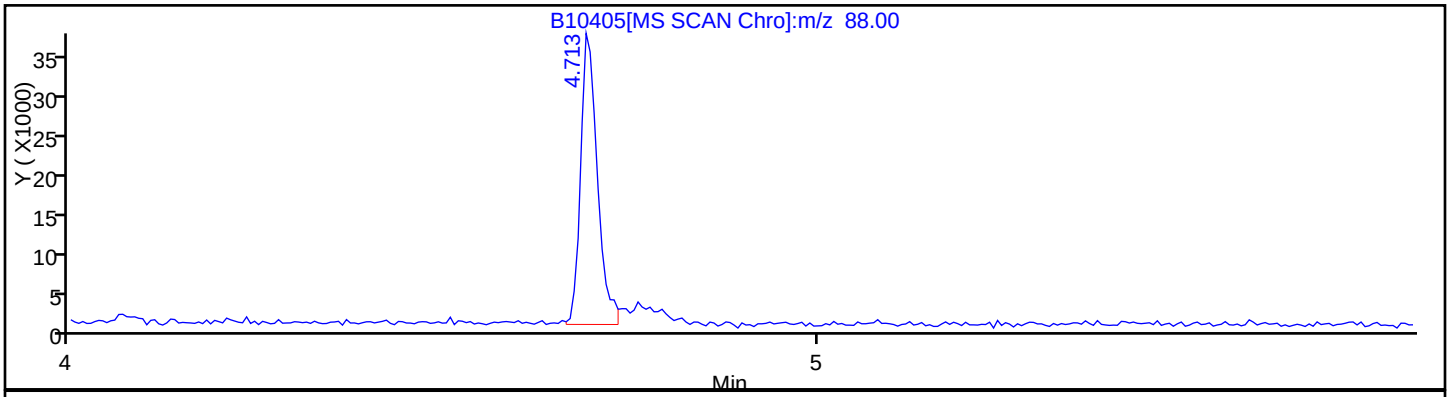
14 1,4-Dioxane

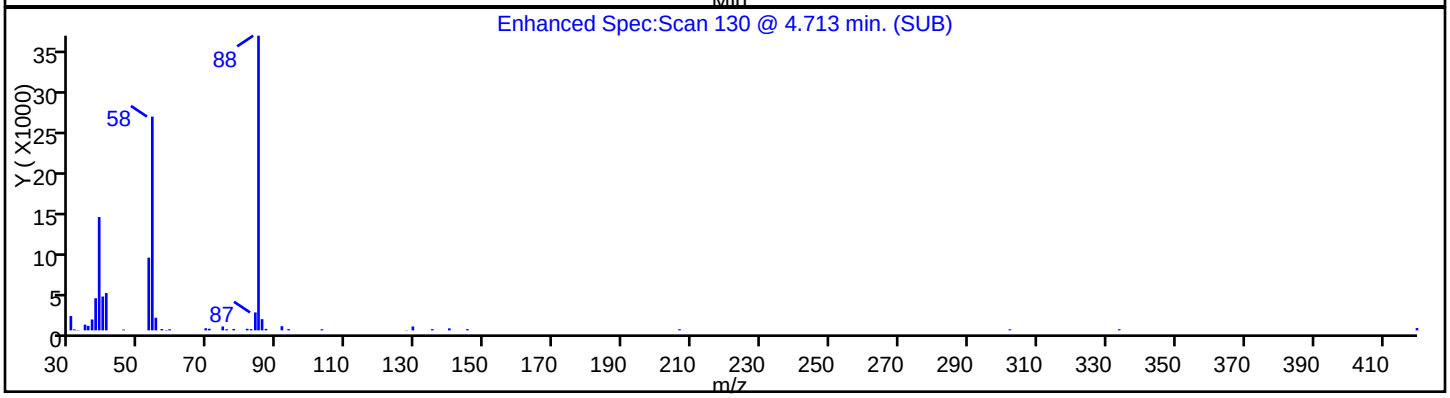
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 21-Sep-2009 12:28:10
Audit Action: Selected Alternate Hit
Audit Reason:

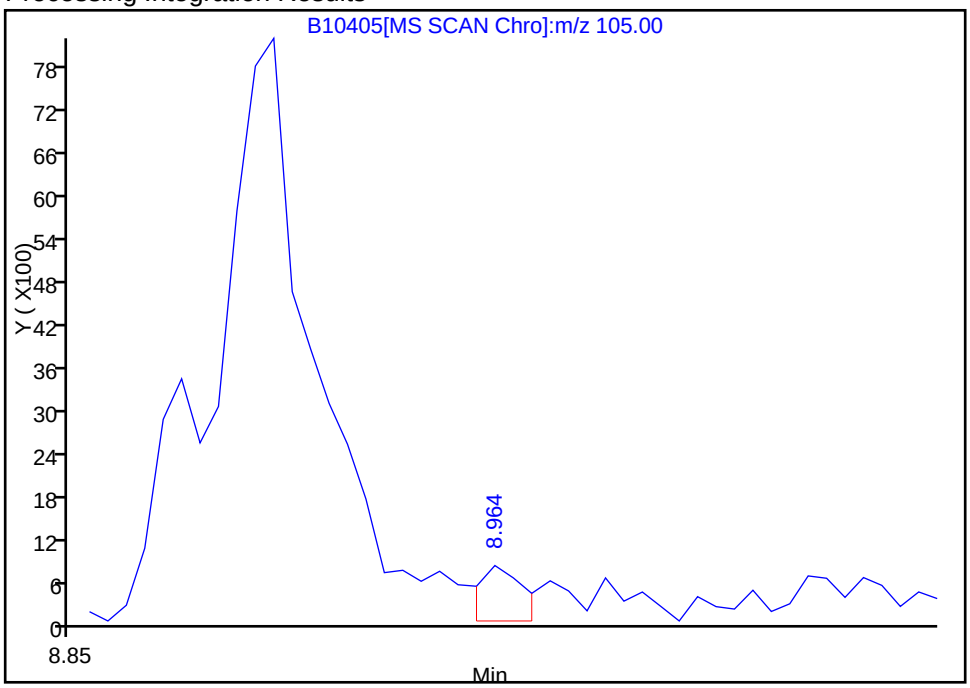
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10405.D		
Inj Date:	18-Sep-2009 18:44:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	6
Client ID:		Instrument:	Inst. B
Sample Info:	std1		
Sample Amount:	2.00 uL	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 8.91

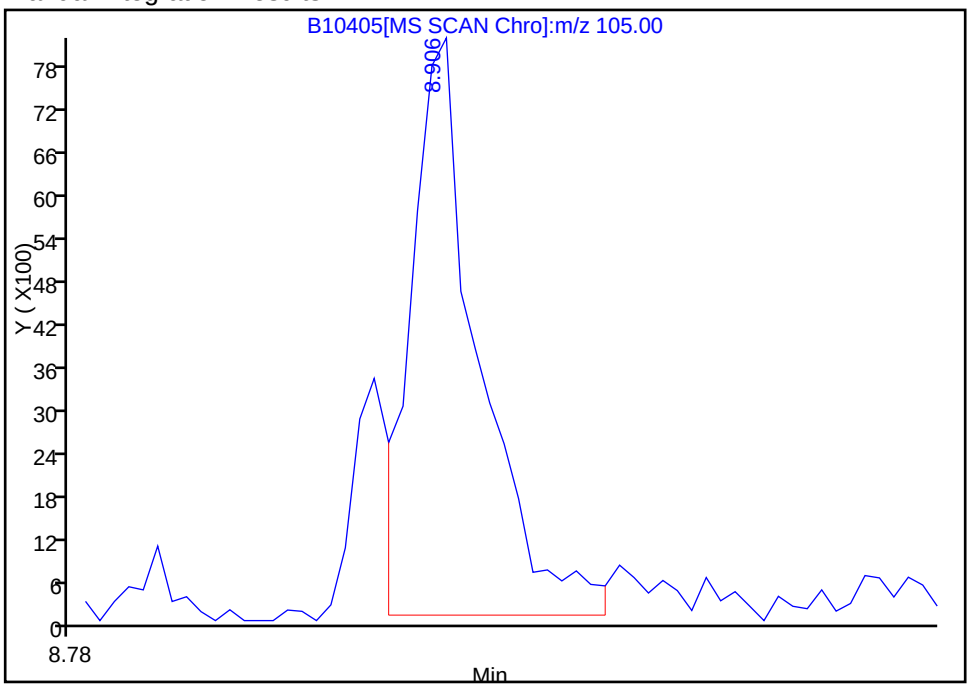
Processing Integration Results

RT: 8.96
Response: 650
Amount: 1.176405



Manual Integration Results

RT: 8.91
Response: 13074
Amount: 0.830339



Reviewer: sullivanp, 21-Sep-2009 12:28:10
Audit Action: Manually Integrated
Audit Reason: Wrong peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10406.D		
Lims ID:	STD25	Client ID:	
Inject. Date:	18-Sep-2009 19:15:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	5
Sample ID:	std25		
Misc. Info.:	360-0001228-007		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	7
Lims Batch ID:	49189	Lims Sample ID:	7
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\8270B.m		
Last Update:	21-Sep-2009 12:35:36	Calib Date:	18-Sep-2009 19:15:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10406.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 21-Sep-2009 12:35:36

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.109	8.113	-0.004	574661	2.00	
* 2 Naphthalene-d8	136	9.239	9.243	-0.004	1379160	2.00	
* 3 Acenaphthene-d10	164	10.744	10.749	-0.005	622771	2.00	
* 4 Phenanthrene-d10	188	12.018	12.018	0.000	1044397	2.00	
* 5 Chrysene-d12	240	15.731	15.735	-0.004	769357	2.00	
* 6 Perylene-d12	264	18.303	18.308	-0.005	419884	2.00	
$ 7 2-Fluorophenol	112	6.854	6.863	-0.009	353909	2.22	
$ 8 Phenol-d5	99	7.724	7.729	-0.005	427637	2.28	
$ 9 Nitrobenzene-d5	82	8.599	8.604	-0.005	406897	2.15	
$ 10 2-Fluorobiphenyl	172	10.133	10.133	0.000	839420	2.17	
$ 11 2,4,6-Tribromophenol	330	11.412	11.417	-0.005	63704	2.43	
$ 12 Terphenyl-d14	244	13.749	13.749	0.000	621562	2.26	
14 1,4-Dioxane	88	4.723	4.752	-0.029	132085	2.23	
15 N-Nitrosodimethylamine	42	5.228	5.247	-0.019	250564	2.26	
16 Pyridine	79	5.276	5.276	0.000	343602	2.55	
17 Benzaldehyde	105	7.714	7.719	-0.005	195813	2.31	
18 Phenol	94	7.738	7.743	-0.005	444482	2.30	
19 Aniline	93	7.806	7.810	-0.004	506434	2.51	
20 Bis(2-chloroethyl)ether	93	7.839	7.844	-0.005	361817	2.12	
21 2-Chlorophenol	128	7.921	7.926	-0.005	388746	2.26	
22 1,4-Dichlorobenzene	146	8.065	8.065	0.000	454957	2.11	
23 1,3-Dichlorobenzene	146	8.128	8.128	0.000	481500	2.15	
24 Benzyl alcohol	79	8.210	8.210	0.000	278311	2.50	
25 1,2-Dichlorobenzene	146	8.267	8.272	-0.005	436295	2.10	
26 2-Methylphenol	108	8.287	8.291	-0.004	358731	2.23	
27 2,2'-oxybis[1-chloropropane]	45	8.315	8.320	-0.005	668220	2.13	
28 3 & 4 Methylphenol	108	8.416	8.416	0.000	359923	2.24	
29 N-Nitrosodi-n-propylamine	70	8.431	8.436	-0.005	253096	2.28	
30 Acetophenone	105	8.455	8.455	0.000	517415	2.16	
31 Hexachloroethane	117	8.575	8.580	-0.005	159793	2.16	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.618	8.618	0.000	411439	2.23	
33 Isophorone	82	8.811	8.815	-0.004	682741	2.33	
35 2,4-Dimethylphenol	107	8.883	8.883	0.000	323192	2.28	
34 2-Nitrophenol	139	8.892	8.897	-0.005	200311	2.41	
36 Benzoic acid	105	8.912	8.912	0.000	53165	2.45	M
37 Bis(2-chloroethoxy)methane	93	8.965	8.965	0.001	399850	2.13	
38 2,4-Dichlorophenol	162	9.094	9.099	-0.005	301238	2.34	
39 1,2,4-Trichlorobenzene	180	9.176	9.181	-0.005	352025	2.08	
40 Alpha-Terpineol	59	9.224	9.224	0.000	315538	2.28	
41 Naphthalene	128	9.258	9.263	-0.005	1193723	2.10	
42 4-Chloroaniline	127	9.277	9.277	0.000	596541	2.38	
43 Hexachlorobutadiene	225	9.340	9.340	0.000	179727	2.16	
44 Caprolactam	55	9.561	9.570	-0.009	164092	2.57	
45 4-Chloro-3-methylphenol	107	9.652	9.652	0.000	302259	2.44	
46 2-Methylnaphthalene	142	9.845	9.845	0.000	742752	2.13	
47 1-Methylnaphthalene	142	9.931	9.936	-0.005	740248	2.12	
48 Hexachlorocyclopentadiene	237	9.970	9.970	0.000	100569	2.21	
49 1,2,4,5-Tetrachlorobenzene	216	9.984	9.989	-0.005	309757	2.12	
50 2,4,6-Trichlorophenol	196	10.066	10.071	-0.005	194696	2.38	
51 2,4,5-Trichlorophenol	196	10.104	10.104	0.000	200865	2.29	
52 1,1'-Biphenyl	154	10.224	10.229	-0.005	933241	2.18	
53 2-Chloronaphthalene	162	10.268	10.273	-0.004	849149	2.22	
54 Phenyl ether	170	10.306	10.306	0.000	509945	2.15	
68 4-Nitroaniline	138	10.330	10.335	-0.005	226520	2.44	
56 Dimethyl phthalate	163	10.441	10.446	-0.005	813997	2.22	
57 2,6-Dinitrotoluene	165	10.513	10.518	-0.005	188870	2.37	
58 Acenaphthylene	152	10.628	10.633	-0.005	1092749	2.30	
59 3-Nitroaniline	138	10.672	10.676	-0.004	187872	2.49	
60 2,4-Dinitrophenol	184	10.758	10.758	0.000	37968	2.46	5
62 4-Nitrophenol	109	10.763	10.768	-0.005	90187	2.48	
61 Acenaphthene	153	10.773	10.777	-0.004	746885	2.19	
63 2,4-Dinitrotoluene	165	10.859	10.864	-0.005	229631	2.28	
64 Dibenzofuran	168	10.917	10.917	0.000	983785	2.17	
65 2,3,4,6-Tetrachlorophenol	232	11.004	11.003	0.001	138307	2.23	
66 Diethyl phthalate	149	11.028	11.027	0.001	808176	2.15	
67 4-Chlorophenyl phenyl ether	204	11.172	11.172	0.000	365507	2.23	
55 2-Nitroaniline	65	11.196	11.196	0.000	202479	2.36	
69 Fluorene	166	11.210	11.210	0.000	839754	2.25	
70 4,6-Dinitro-2-methylphenol	198	11.210	11.215	-0.005	71455	2.46	5
71 Diphenylamine	169	11.263	11.268	-0.005	697025	2.23	
72 N-Nitrosodiphenylamine	169	11.263	11.268	-0.005	697025	2.23	
73 1,2-Diphenylhydrazine	77	11.311	11.311	0.000	1305305	2.29	
74 Azobenzene	77	11.311	11.311	0.000	1305305	2.29	
13 Benzophenone	105	11.316	11.321	-0.005	784729	2.24	
75 4-Bromophenyl phenyl ether	248	11.595	11.595	0.000	187543	2.11	
77 Atrazine	200	11.672	11.677	-0.005	197626	2.22	
76 Hexachlorobenzene	284	11.682	11.686	-0.004	174820	2.14	
78 Pentachlorophenol	266	11.835	11.835	0.000	60467	2.46	5
79 Pentachloronitrobenzene	237	11.845	11.850	-0.005	80120	2.34	
80 Phenanthrene	178	12.042	12.042	0.000	1098720	2.12	
81 Anthracene	178	12.085	12.090	-0.005	1046578	2.20	
83 Carbazole	167	12.206	12.206	0.000	841809	2.04	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	12.432	12.432	0.000	1280776	2.10	
87 Fluoranthene	202	13.297	13.297	0.000	1001478	2.22	
86 Benzidine	184	13.398	13.403	-0.005	483685	2.52	
85 Pyrene	202	13.624	13.629	-0.005	1060947	2.30	
89 Butyl benzyl phthalate	149	14.524	14.523	0.001	462816	2.47	
92 Bis(2-ethylhexyl) phthalate	149	15.601	15.605	-0.004	595177	2.32	
91 3,3'-Dichlorobenzidine	252	15.625	15.630	-0.005	485491	2.32	
93 Benzo[a]anthracene	228	15.711	15.716	-0.005	693914	2.22	
94 Chrysene	228	15.774	15.779	-0.005	654046	2.12	
95 Di-n-octyl phthalate	149	16.649	16.649	0.000	763422	2.55	
97 Benzo[b]fluoranthene	252	17.524	17.524	0.000	510481	2.28	
98 Benzo[k]fluoranthene	252	17.572	17.572	0.000	472445	2.34	
99 Benzo[a]pyrene	252	18.188	18.197	-0.009	365112	2.46	
100 Indeno[1,2,3-cd]pyrene	276	20.948	20.948	0.000	232740	2.39	
101 Dibenz(a,h)anthracene	278	20.972	20.972	0.000	178229	2.39	
102 Benzo[g,h,i]perylene	276	21.751	21.766	-0.015	199193	2.16	

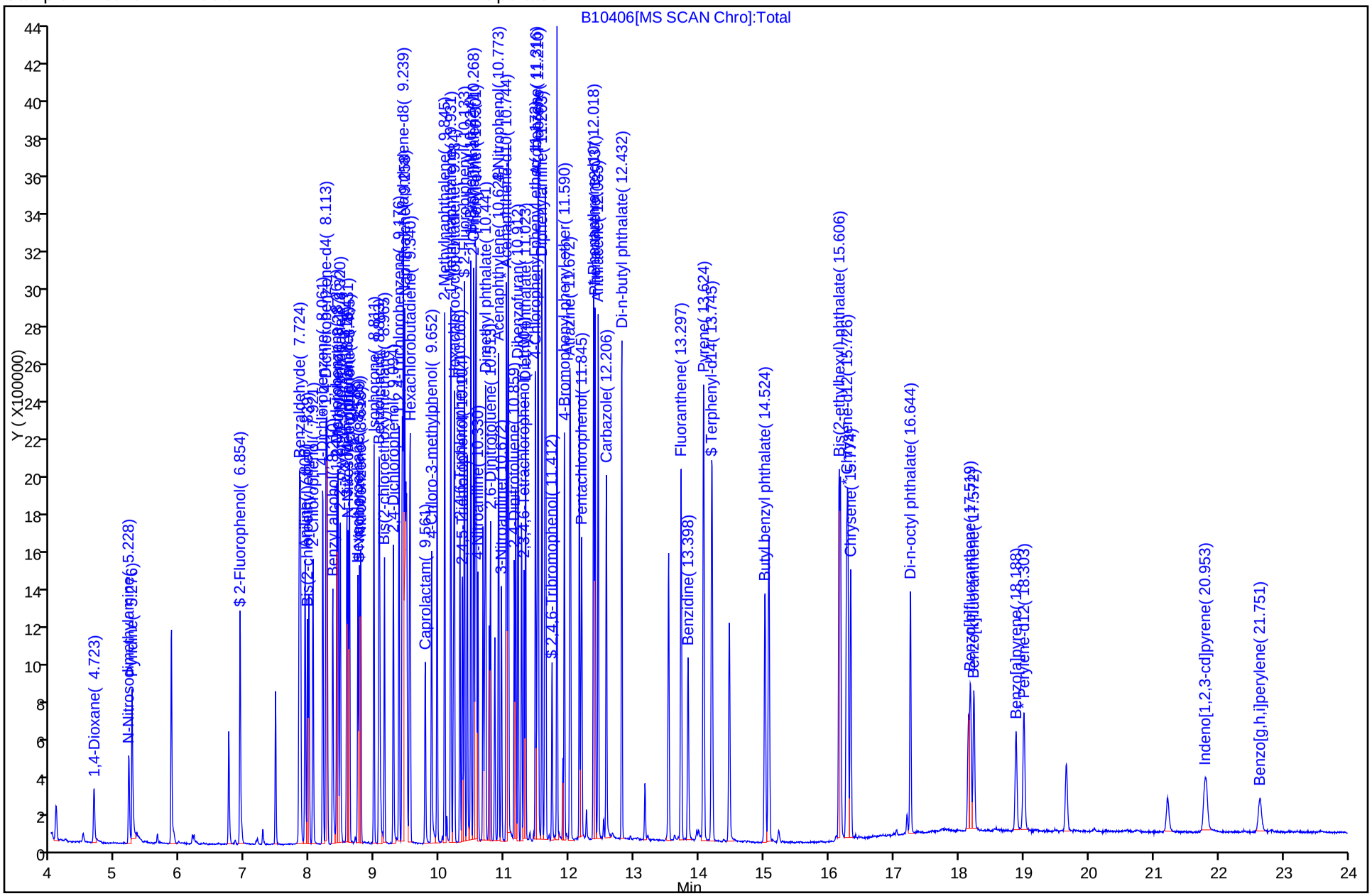
QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 21-Sep-2009 12:35:37 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10406.D		
Inj Date:	18-Sep-2009 19:15:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	7
Client ID:		Instrument:	Inst. B
Sample Info:	std25		
Sample Amount:	2.00 uL	Operator:	MZ



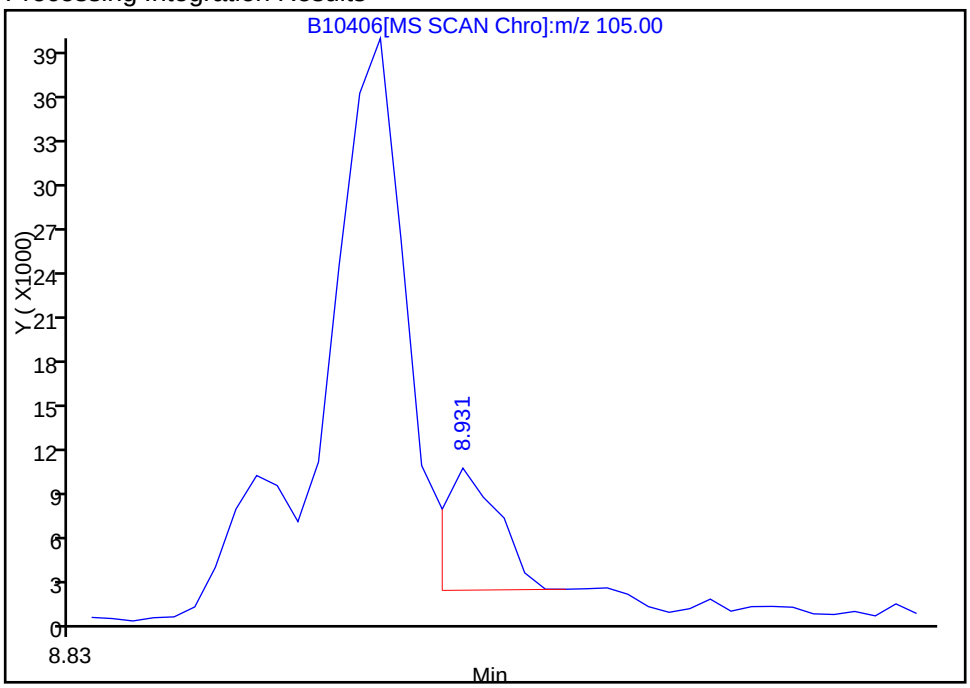
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10406.D		
Inj Date:	18-Sep-2009 19:15:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	7
Client ID:		Instrument:	Inst. B
Sample Info:	std25		
Sample Amount:	2.00 uL	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 8.91

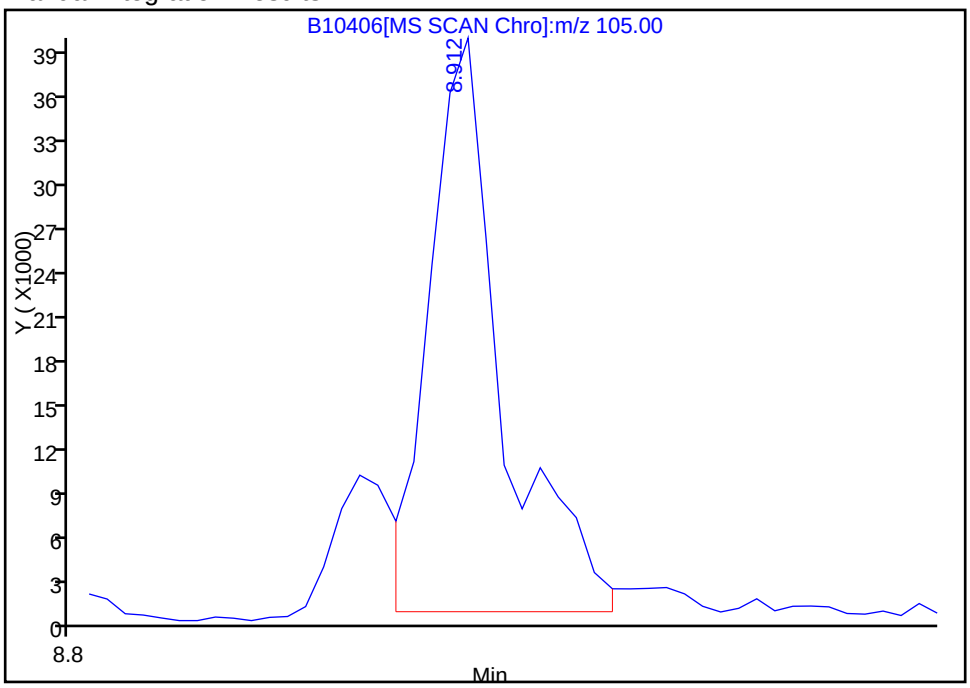
Processing Integration Results

RT: 8.93
Response: 7528
Amount: 2.326355



Manual Integration Results

RT: 8.91
Response: 53165
Amount: 2.452818



Reviewer: sullivanp, 21-Sep-2009 12:35:36
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10407.D		
Lims ID:	STD8	Client ID:	
Inject. Date:	18-Sep-2009 19:46:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	std8		
Misc. Info.:	360-0001228-008		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	8
Lims Batch ID:	49189	Lims Sample ID:	8
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\8270B.m		
Last Update:	21-Sep-2009 12:48:12	Calib Date:	18-Sep-2009 20:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10409.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	21-Sep-2009 12:37:09
Reviewed By:	sullivanp	Date:	21-Sep-2009 12:48:12

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.111	8.113	-0.002	669098	2.00	
* 2 Naphthalene-d8	136	9.241	9.243	-0.002	1616411	2.00	
* 3 Acenaphthene-d10	164	10.746	10.749	-0.003	563302	2.00	
* 4 Phenanthrene-d10	188	12.020	12.018	0.002	934558	2.00	
* 5 Chrysene-d12	240	15.737	15.735	0.002	750632	2.00	
* 6 Perylene-d12	264	18.305	18.308	-0.003	404764	2.00	
$ 7 2-Fluorophenol	112	6.856	6.863	-0.007	1278285	6.98	
$ 8 Phenol-d5	99	7.731	7.729	0.002	1616281	7.35	
$ 9 Nitrobenzene-d5	82	8.601	8.604	-0.003	1493768	7.05	
$ 10 2-Fluorobiphenyl	172	10.135	10.133	0.002	3088824	8.75	
$ 11 2,4,6-Tribromophenol	330	11.414	11.417	-0.003	256964	8.35	
$ 12 Terphenyl-d14	244	13.751	13.749	0.002	2359205	8.67	
14 1,4-Dioxane	88	4.720	4.752	-0.032	463235	8.20	
15 N-Nitrosodimethylamine	42	5.230	5.247	-0.017	878710	6.95	
16 Pyridine	79	5.269	5.339	-0.070	1131526	7.25	
17 Benzaldehyde	105	7.716	7.719	-0.003	679750	7.08	
18 Phenol	94	7.745	7.743	0.002	1655581	7.31	
19 Aniline	93	7.808	7.810	-0.002	1863725	7.98	
20 Bis(2-chloroethyl)ether	93	7.841	7.844	-0.003	1287395	6.71	
21 2-Chlorophenol	128	7.923	7.926	-0.003	1390557	7.03	
22 1,4-Dichlorobenzene	146	8.063	8.065	-0.002	1650246	6.78	
23 1,3-Dichlorobenzene	146	8.125	8.128	-0.003	1727810	6.84	
24 Benzyl alcohol	79	8.212	8.210	0.002	1061285	8.06	
25 1,2-Dichlorobenzene	146	8.269	8.272	-0.003	1570618	6.74	
26 2-Methylphenol	108	8.289	8.291	-0.002	1296469	7.02	
27 2,2'-oxybis[1-chloropropane]	45	8.317	8.320	-0.003	2328861	6.68	
28 3 & 4 Methylphenol	108	8.418	8.416	0.002	1301945	7.03	
29 N-Nitrosodi-n-propylamine	70	8.438	8.436	0.002	947121	7.26	
30 Acetophenone	105	8.457	8.455	0.002	1862950	6.82	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
31 Hexachloroethane	117	8.577	8.580	-0.003	593565	6.99	
32 Nitrobenzene	77	8.620	8.618	0.002	1487462	7.20	
33 Isophorone	82	8.813	8.815	-0.002	2529899	7.56	
35 2,4-Dimethylphenol	107	8.885	8.883	0.002	1125682	7.10	
34 2-Nitrophenol	139	8.894	8.897	-0.003	776422	8.31	
36 Benzoic acid	105	8.938	8.938	0.000	487197	7.19	M
37 Bis(2-chloroethoxy)methane	93	8.967	8.965	0.003	1444661	6.93	
38 2,4-Dichlorophenol	162	9.096	9.099	-0.003	1128986	7.99	
39 1,2,4-Trichlorobenzene	180	9.178	9.181	-0.003	1287284	8.19	
40 Alpha-Terpineol	59	9.226	9.224	0.002	1215382	7.69	
41 Naphthalene	128	9.260	9.263	-0.003	4221989	8.13	
42 4-Chloroaniline	127	9.279	9.277	0.002	1860888	7.64	
43 Hexachlorobutadiene	225	9.342	9.340	0.002	667198	7.14	
44 Caprolactam	55	9.582	9.570	0.012	639503	8.78	
45 4-Chloro-3-methylphenol	107	9.654	9.652	0.002	1143034	8.27	
46 2-Methylnaphthalene	142	9.847	9.845	0.002	2704303	6.97	
47 1-Methylnaphthalene	142	9.933	9.936	-0.003	2753255	7.05	
48 Hexachlorocyclopentadiene	237	9.972	9.970	0.002	427526	8.22	
49 1,2,4,5-Tetrachlorobenzene	216	9.986	9.989	-0.003	1155491	7.07	
50 2,4,6-Trichlorophenol	196	10.068	10.071	-0.003	749049	9.40	
51 2,4,5-Trichlorophenol	196	10.106	10.104	0.002	805535	9.40	
52 1,1'-Biphenyl	154	10.231	10.229	0.002	3390328	8.73	
53 2-Chloronaphthalene	162	10.270	10.273	-0.002	3076702	8.75	
54 Phenyl ether	170	10.308	10.306	0.002	1909857	7.17	
68 4-Nitroaniline	138	10.332	10.335	-0.003	895843	8.45	
56 Dimethyl phthalate	163	10.448	10.446	0.002	2951019	8.74	
57 2,6-Dinitrotoluene	165	10.520	10.518	0.002	694910	9.07	
58 Acenaphthylene	152	10.635	10.633	0.002	4000869	9.11	
59 3-Nitroaniline	138	10.679	10.676	0.003	690650	9.38	
60 2,4-Dinitrophenol	184	10.760	10.758	0.002	234325	7.05	
62 4-Nitrophenol	109	10.770	10.768	0.002	395213	8.29	
61 Acenaphthene	153	10.775	10.777	-0.002	2813893	8.90	
63 2,4-Dinitrotoluene	165	10.866	10.864	0.002	900186	8.45	
64 Dibenzofuran	168	10.919	10.917	0.002	3587383	8.72	
65 2,3,4,6-Tetrachlorophenol	232	11.006	11.003	0.003	572278	8.35	
66 Diethyl phthalate	149	11.030	11.027	0.003	2992476	8.71	
67 4-Chlorophenyl phenyl ether	204	11.174	11.172	0.002	1354232	8.79	
55 2-Nitroaniline	65	11.203	11.196	0.007	822945	8.59	
69 Fluorene	166	11.212	11.210	0.002	3162702	9.07	
70 4,6-Dinitro-2-methylphenol	198	11.217	11.215	0.002	397252	8.12	
71 Diphenylamine	169	11.270	11.268	0.002	2580857	8.97	
72 N-Nitrosodiphenylamine	169	11.270	11.268	0.002	2580857	8.97	
73 1,2-Diphenylhydrazine	77	11.313	11.311	0.002	4787606	9.13	
74 Azobenzene	77	11.313	11.311	0.002	4787606	9.13	
13 Benzophenone	105	11.323	11.321	0.002	2980702	9.13	
75 4-Bromophenyl phenyl ether	248	11.597	11.595	0.002	709370	8.66	
77 Atrazine	200	11.679	11.677	0.002	787466	9.32	
76 Hexachlorobenzene	284	11.684	11.686	-0.002	682994	8.95	
78 Pentachlorophenol	266	11.837	11.835	0.002	343264	8.04	
79 Pentachloronitrobenzene	237	11.847	11.850	-0.003	318895	8.50	
80 Phenanthrene	178	12.044	12.042	0.002	3990623	8.65	
81 Anthracene	178	12.088	12.090	-0.002	3971401	9.13	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	12.208	12.206	0.002	3303497	8.79	
84 Di-n-butyl phthalate	149	12.434	12.432	0.002	4687380	8.72	
87 Fluoranthene	202	13.299	13.297	0.002	3708490	8.91	
86 Benzidine	184	13.405	13.403	0.002	2721292	8.48	
85 Pyrene	202	13.626	13.629	-0.003	3975649	8.77	
89 Butyl benzyl phthalate	149	14.526	14.523	0.003	1901811	9.64	
92 Bis(2-ethylhexyl) phthalate	149	15.608	15.605	0.003	2510875	9.45	
91 3,3'-Dichlorobenzidine	252	15.632	15.630	0.002	2145303	8.62	
93 Benzo[a]anthracene	228	15.718	15.716	0.002	2740647	8.75	
94 Chrysene	228	15.781	15.779	0.002	2562761	8.47	
95 Di-n-octyl phthalate	149	16.646	16.649	-0.003	3329246	8.36	
97 Benzo[b]fluoranthene	252	17.531	17.515	0.016	2040946	9.02	
98 Benzo[k]fluoranthene	252	17.584	17.573	0.011	1940987	9.31	
99 Benzo[a]pyrene	252	18.195	18.197	-0.002	1535695	8.61	
100 Indeno[1,2,3-cd]pyrene	276	20.955	20.953	0.002	998791	8.07	
101 Dibenz(a,h)anthracene	278	20.979	20.967	0.012	777075	8.61	
102 Benzo[g,h,i]perylene	276	21.763	21.766	-0.003	798019	8.77	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 21-Sep-2009 12:48:13 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10407.D

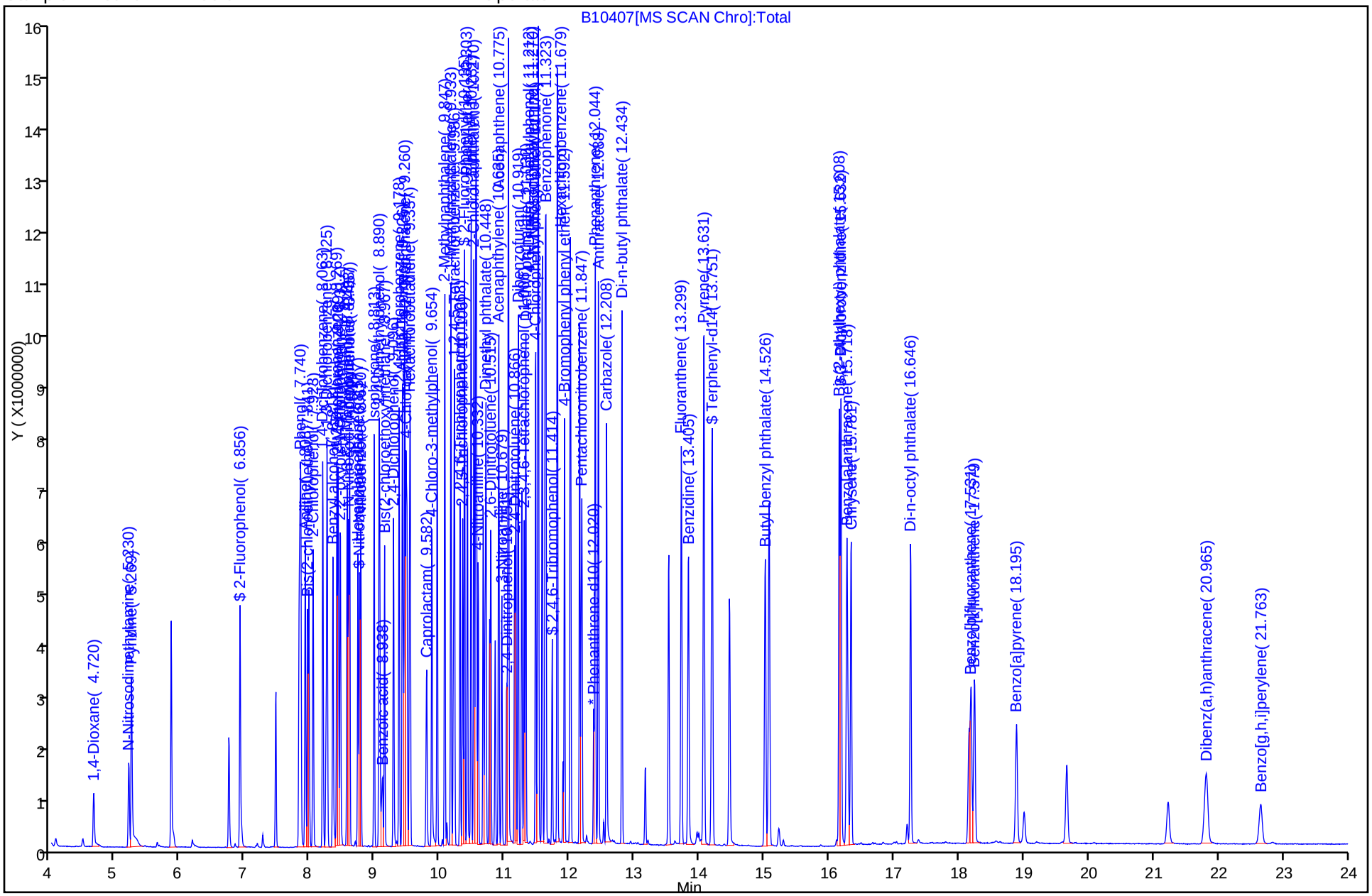
Inj Date: 18-Sep-2009 19:46:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49189 Lims Sample ID: 8

Client ID: Instrument: Inst. B

Sample Info: std8

Sample Amount: 2.00 uL Operator: MZ



Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10407.D		
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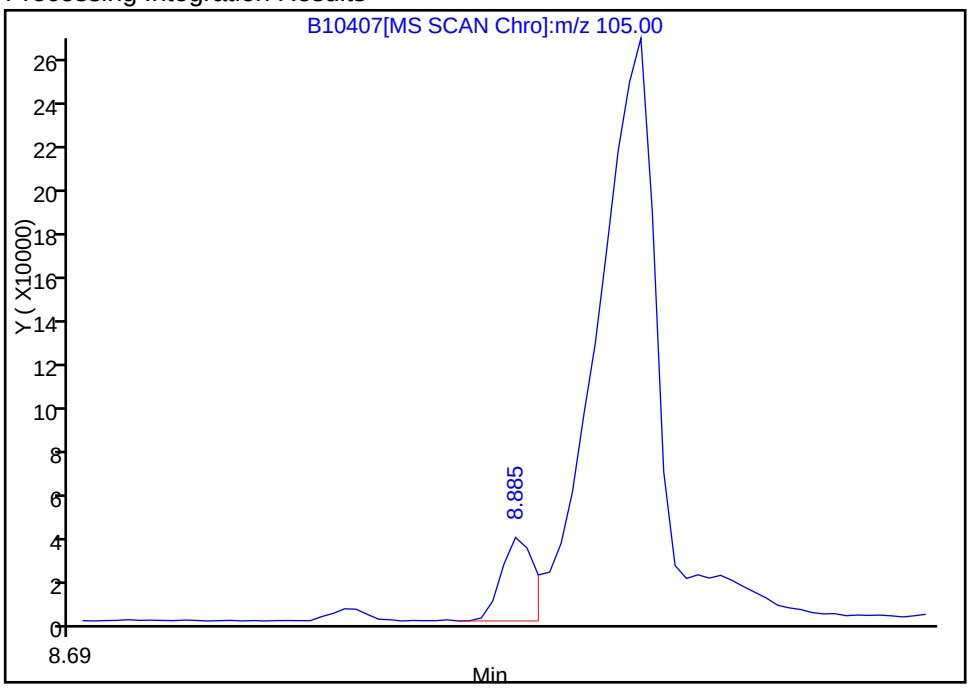
Lims Batch ID:	49189	Lims Sample ID:	8
Client ID:		Instrument:	Inst. B
Sample Info:	std8		
Sample Amount:	2.00 uL	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 8.94

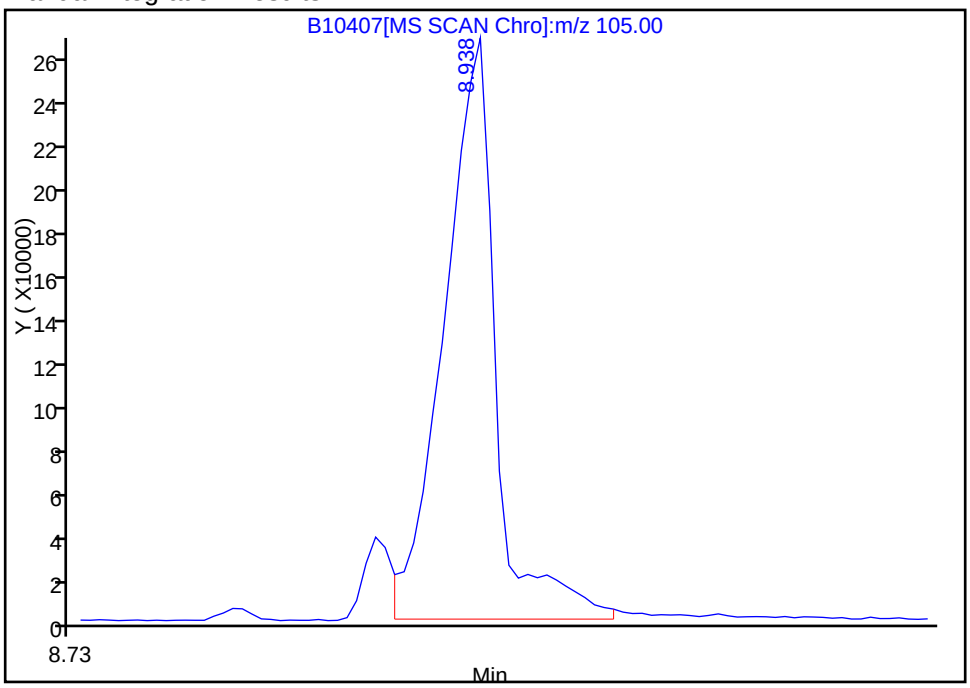
Processing Integration Results

RT: 8.88
Response: 37572
Amount: 1.467995



Manual Integration Results

RT: 8.94
Response: 487197
Amount: 7.187877



Reviewer: sullivanp, 21-Sep-2009 12:48:12
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10408.D		
Lims ID:	STD10	Client ID:	
Inject. Date:	18-Sep-2009 20:17:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	8
Sample ID:	std10		
Misc. Info.:	360-0001228-009		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	9
Lims Batch ID:	49189	Lims Sample ID:	9
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\8270B.m		
Last Update:	21-Sep-2009 12:38:46	Calib Date:	18-Sep-2009 20:17:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10408.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 21-Sep-2009 12:38:46

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.111	8.113	-0.002	623830	2.00	
* 2 Naphthalene-d8	136	9.241	9.243	-0.002	1560756	2.00	
* 3 Acenaphthene-d10	164	10.746	10.749	-0.003	507692	2.00	
* 4 Phenanthrene-d10	188	12.021	12.018	0.003	841956	2.00	
* 5 Chrysene-d12	240	15.738	15.735	0.003	701988	2.00	
* 6 Perylene-d12	264	18.306	18.308	-0.002	387795	2.00	
$ 7 2-Fluorophenol	112	6.856	6.863	-0.007	1447585	8.68	
$ 8 Phenol-d5	99	7.731	7.729	0.002	1796809	9.04	
$ 9 Nitrobenzene-d5	82	8.602	8.604	-0.002	1732382	8.47	
$ 10 2-Fluorobiphenyl	172	10.136	10.133	0.003	3479812	10.8	
$ 11 2,4,6-Tribromophenol	330	11.415	11.417	-0.002	298236	10.3	
$ 12 Terphenyl-d14	244	13.752	13.749	0.003	2746460	10.7	
14 1,4-Dioxane	88	4.711	4.752	-0.041	495634	9.24	
15 N-Nitrosodimethylamine	42	5.226	5.247	-0.021	990663	8.57	
16 Pyridine	79	5.264	5.339	-0.075	1228951	8.72	
17 Benzaldehyde	105	7.717	7.719	-0.002	759810	8.61	
18 Phenol	94	7.746	7.743	0.003	1855978	9.05	
19 Aniline	93	7.808	7.810	-0.002	2093095	9.62	
20 Bis(2-chloroethyl)ether	93	7.842	7.844	-0.002	1456110	8.29	
21 2-Chlorophenol	128	7.924	7.926	-0.002	1565170	8.71	
22 1,4-Dichlorobenzene	146	8.063	8.065	-0.002	1867660	8.37	
23 1,3-Dichlorobenzene	146	8.126	8.128	-0.002	1937237	8.36	
24 Benzyl alcohol	79	8.212	8.210	0.002	1207942	9.59	
25 1,2-Dichlorobenzene	146	8.270	8.272	-0.002	1762264	8.24	
26 2-Methylphenol	108	8.289	8.291	-0.002	1440126	8.59	
27 2,2'-oxybis[1-chloropropane]	45	8.318	8.320	-0.002	2611195	8.10	
28 3 & 4 Methylphenol	108	8.419	8.416	0.003	1459051	8.69	
29 N-Nitrosodi-n-propylamine	70	8.438	8.436	0.002	1068649	9.08	
30 Acetophenone	105	8.458	8.455	0.003	2132233	8.55	
31 Hexachloroethane	117	8.578	8.580	-0.002	659867	8.57	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.621	8.618	0.003	1667978	8.36	
33 Isophorone	82	8.813	8.815	-0.002	2872559	8.89	
35 2,4-Dimethylphenol	107	8.885	8.883	0.002	1275508	8.33	
34 2-Nitrophenol	139	8.895	8.897	-0.002	900452	9.63	
36 Benzoic acid	105	8.948	8.912	0.036	761734	19.0	
37 Bis(2-chloroethoxy)methane	93	8.967	8.965	0.003	1645909	8.17	
38 2,4-Dichlorophenol	162	9.097	9.099	-0.002	1292895	9.07	
39 1,2,4-Trichlorobenzene	180	9.179	9.181	-0.002	1450700	9.43	
40 Alpha-Terpineol	59	9.227	9.224	0.003	1353289	8.87	
41 Naphthalene	128	9.261	9.263	-0.002	4754903	9.33	
42 4-Chloroaniline	127	9.280	9.277	0.003	2105806	10.2	
43 Hexachlorobutadiene	225	9.342	9.340	0.002	768612	8.52	
44 Caprolactam	55	9.583	9.570	0.013	733518	10.0	
45 4-Chloro-3-methylphenol	107	9.660	9.652	0.008	1315646	9.48	
46 2-Methylnaphthalene	142	9.847	9.845	0.002	3083659	8.23	
47 1-Methylnaphthalene	142	9.934	9.936	-0.002	3131746	8.30	
48 Hexachlorocyclopentadiene	237	9.972	9.970	0.002	493079	10.1	
49 1,2,4,5-Tetrachlorobenzene	216	9.987	9.989	-0.002	1320798	8.37	
50 2,4,6-Trichlorophenol	196	10.068	10.071	-0.003	846830	11.9	
51 2,4,5-Trichlorophenol	196	10.107	10.104	0.003	918787	12.0	
52 1,1'-Biphenyl	154	10.232	10.229	0.003	3842872	10.8	
53 2-Chloronaphthalene	162	10.270	10.273	-0.002	3483693	10.8	
54 Phenyl ether	170	10.309	10.306	0.003	2167594	8.43	
68 4-Nitroaniline	138	10.338	10.335	0.003	1037785	10.7	
56 Dimethyl phthalate	163	10.448	10.446	0.002	3336335	10.8	
57 2,6-Dinitrotoluene	165	10.520	10.518	0.002	800786	11.7	
58 Acenaphthylene	152	10.636	10.633	0.003	4483920	11.1	
59 3-Nitroaniline	138	10.679	10.676	0.003	790563	12.0	
60 2,4-Dinitrophenol	184	10.761	10.758	0.003	312574	10.1	
62 4-Nitrophenol	109	10.771	10.768	0.003	465779	10.5	
61 Acenaphthene	153	10.775	10.777	-0.002	3224777	11.2	
63 2,4-Dinitrotoluene	165	10.867	10.864	0.003	1026820	10.6	
64 Dibenzofuran	168	10.920	10.917	0.003	4032964	10.7	
65 2,3,4,6-Tetrachlorophenol	232	11.006	11.003	0.003	672210	10.4	
66 Diethyl phthalate	149	11.030	11.027	0.003	3391611	10.8	
67 4-Chlorophenyl phenyl ether	204	11.174	11.172	0.002	1567324	11.3	
55 2-Nitroaniline	65	11.203	11.196	0.007	936487	10.2	
69 Fluorene	166	11.213	11.210	0.003	3621967	11.4	
70 4,6-Dinitro-2-methylphenol	198	11.218	11.215	0.003	480448	10.3	
71 Diphenylamine	169	11.271	11.268	0.003	2966023	11.3	
72 N-Nitrosodiphenylamine	169	11.271	11.268	0.003	2966023	11.3	
73 1,2-Diphenylhydrazine	77	11.314	11.311	0.003	5414824	11.3	
74 Azobenzene	77	11.314	11.311	0.003	5414824	11.3	
13 Benzophenone	105	11.324	11.321	0.003	3420577	11.5	
75 4-Bromophenyl phenyl ether	248	11.598	11.595	0.003	815112	11.0	
77 Atrazine	200	11.679	11.677	0.002	908726	11.9	
76 Hexachlorobenzene	284	11.689	11.686	0.003	785434	11.4	
78 Pentachlorophenol	266	11.838	11.835	0.003	413580	9.93	
79 Pentachloronitrobenzene	237	11.848	11.850	-0.002	372385	10.4	
80 Phenanthrene	178	12.045	12.042	0.003	4490598	10.5	
81 Anthracene	178	12.088	12.090	-0.002	4501311	11.3	
83 Carbazole	167	12.208	12.206	0.002	3756258	11.0	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	12.434	12.432	0.002	5269975	10.5	
87 Fluoranthene	202	13.300	13.297	0.003	4290124	11.3	
86 Benzidine	184	13.406	13.403	0.003	3039529	10.1	
85 Pyrene	202	13.632	13.629	0.003	4606984	10.7	
89 Butyl benzyl phthalate	149	14.526	14.523	0.003	2221566	12.1	
92 Bis(2-ethylhexyl) phthalate	149	15.608	15.605	0.003	3014144	12.1	
91 3,3'-Dichlorobenzidine	252	15.637	15.630	0.007	2603492	9.91	
93 Benzo[a]anthracene	228	15.719	15.716	0.003	3259183	11.0	
94 Chrysene	228	15.781	15.779	0.002	3039031	10.6	
95 Di-n-octyl phthalate	149	16.647	16.649	-0.002	4024097	9.85	
97 Benzo[b]fluoranthene	252	17.532	17.515	0.017	2460049	11.4	
98 Benzo[k]fluoranthene	252	17.585	17.573	0.012	2406770	12.1	
99 Benzo[a]pyrene	252	18.200	18.197	0.003	1927903	10.4	
100 Indeno[1,2,3-cd]pyrene	276	20.956	20.953	0.003	1236809	10.3	
101 Dibenz(a,h)anthracene	278	20.984	20.967	0.017	980268	10.4	
102 Benzo[g,h,i]perylene	276	21.768	21.766	0.002	995210	11.3	

Report Date: 21-Sep-2009 12:38:47 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10408.D

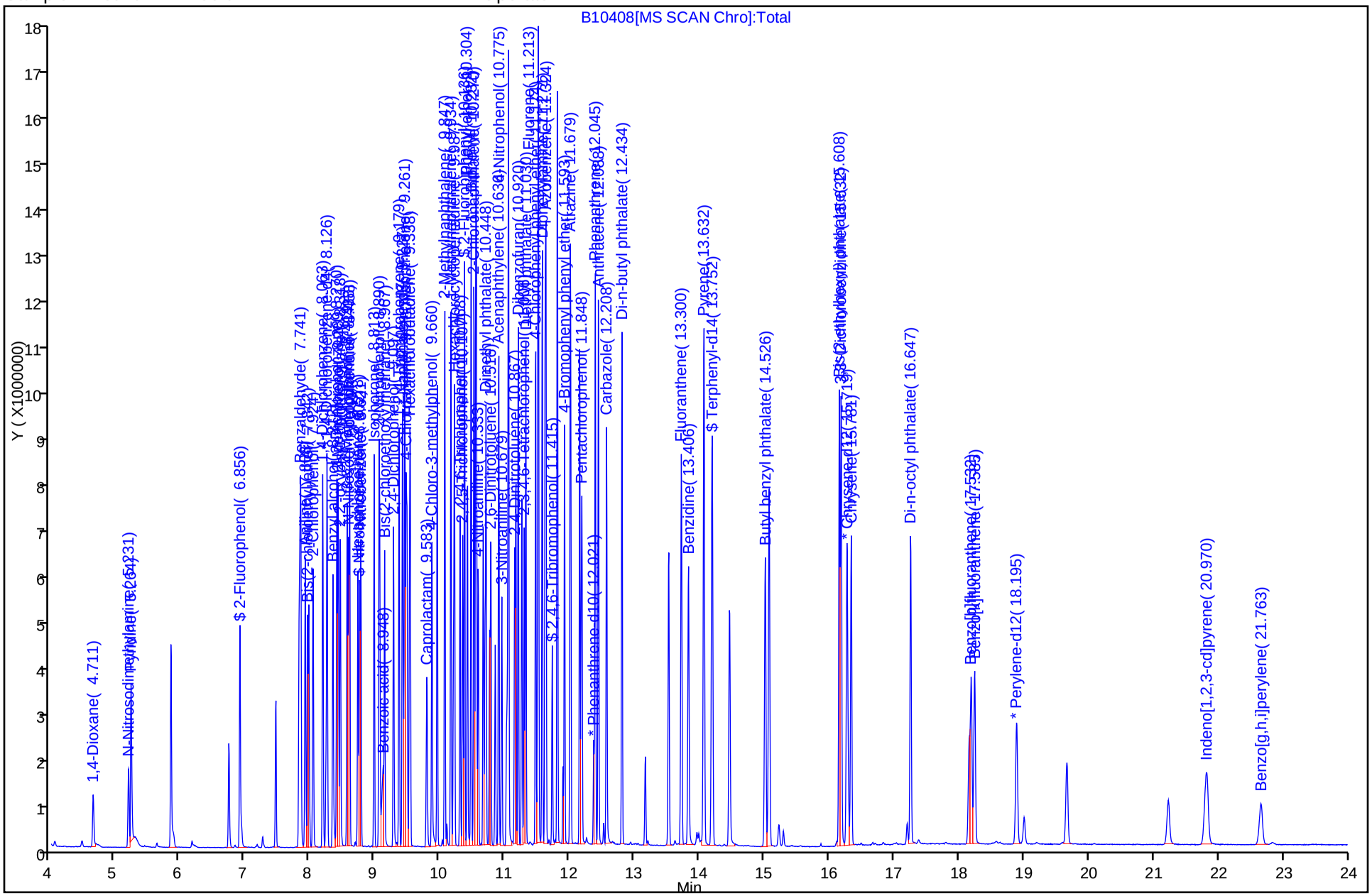
Inj Date: 18-Sep-2009 20:17:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49189 Lims Sample ID: 9

Client ID: Instrument: Inst. B

Sample Info: std10

Sample Amount: 2.00 uL Operator: MZ

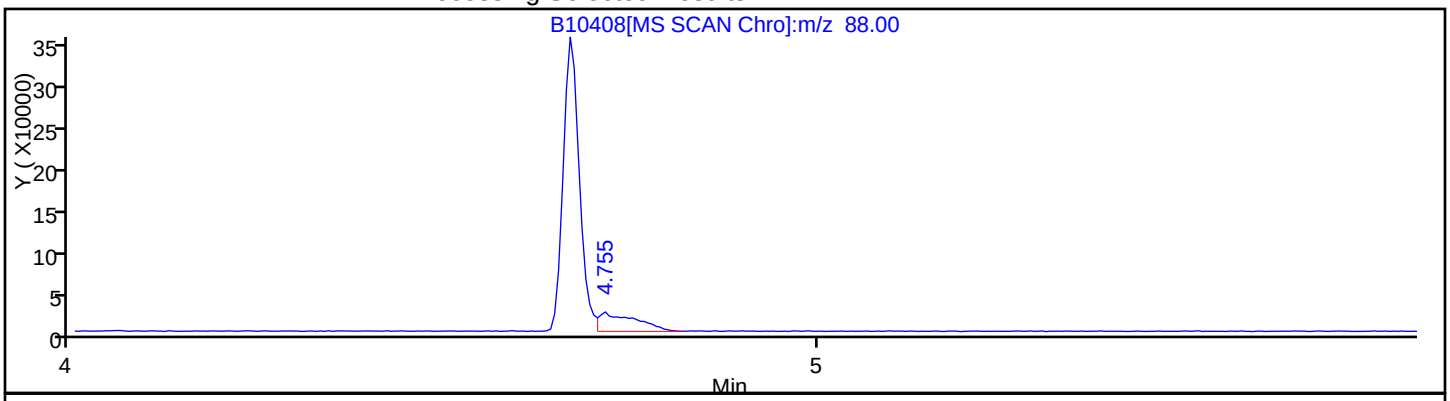


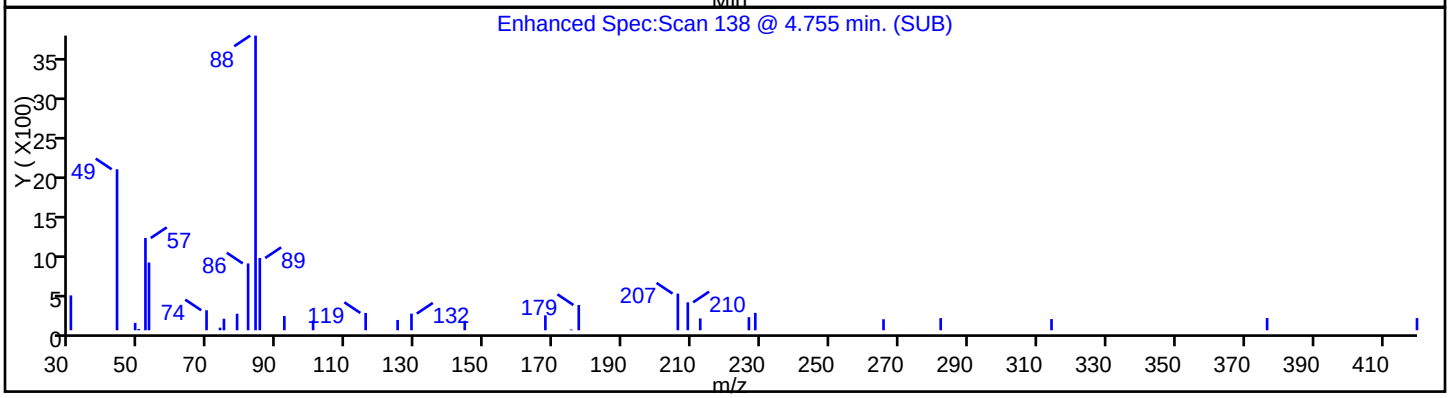
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10408.D		
Inj Date:	18-Sep-2009 20:17:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	9
Client ID:		Instrument:	Inst. B
Sample Info:	std10		
Sample Amount:	2.00 uL	Operator:	MZ

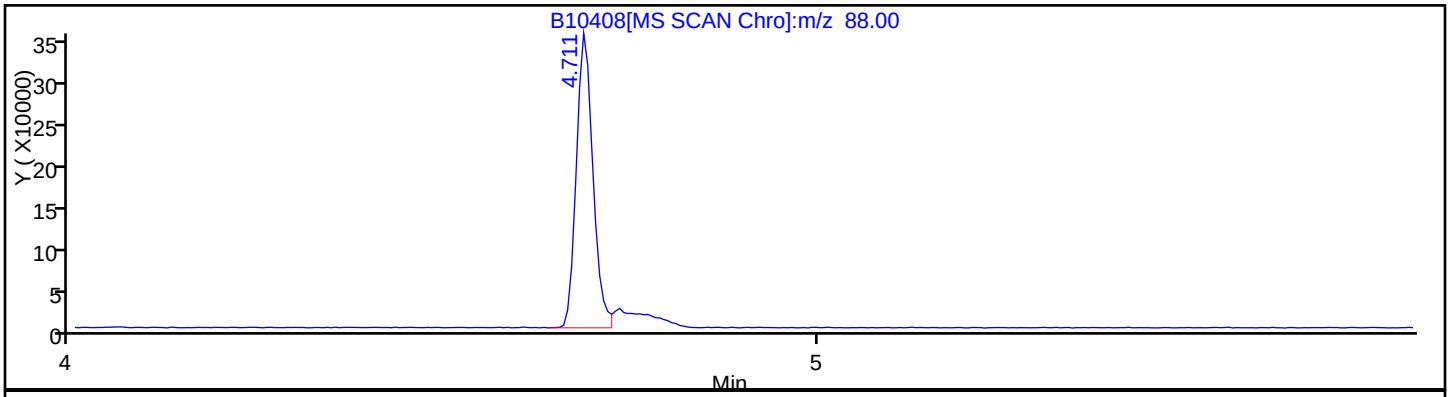
14 1,4-Dioxane

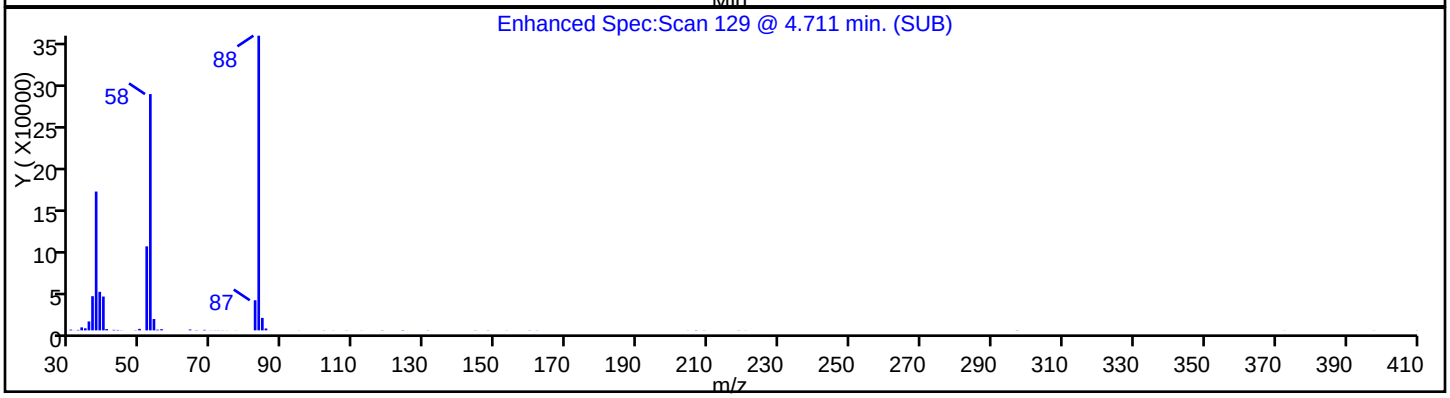
Processing Selected Results





Manual Selected Results





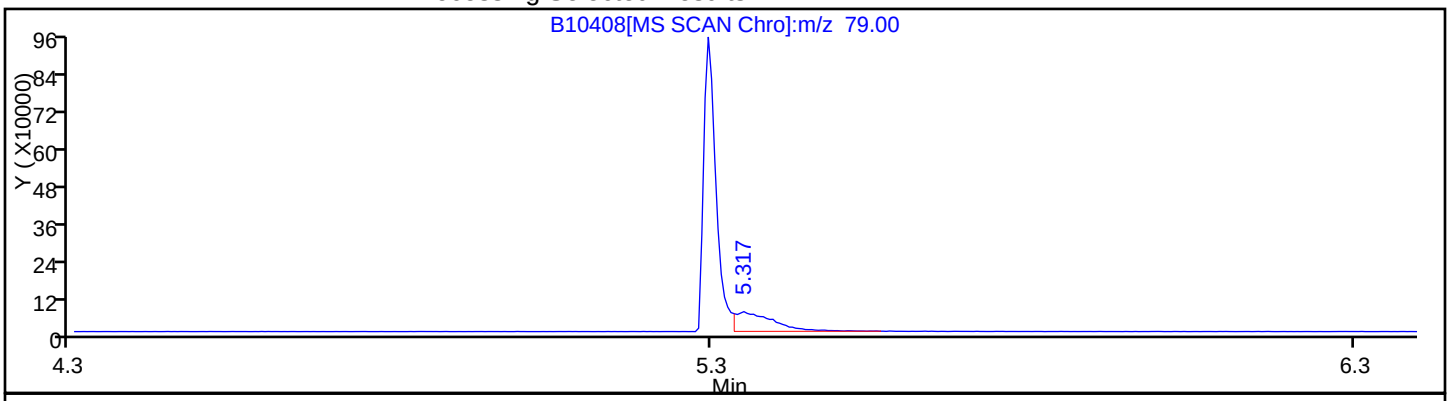
Reviewer: sullivanp, 21-Sep-2009 12:38:46
Audit Action: Selected Alternate Hit
Audit Reason:

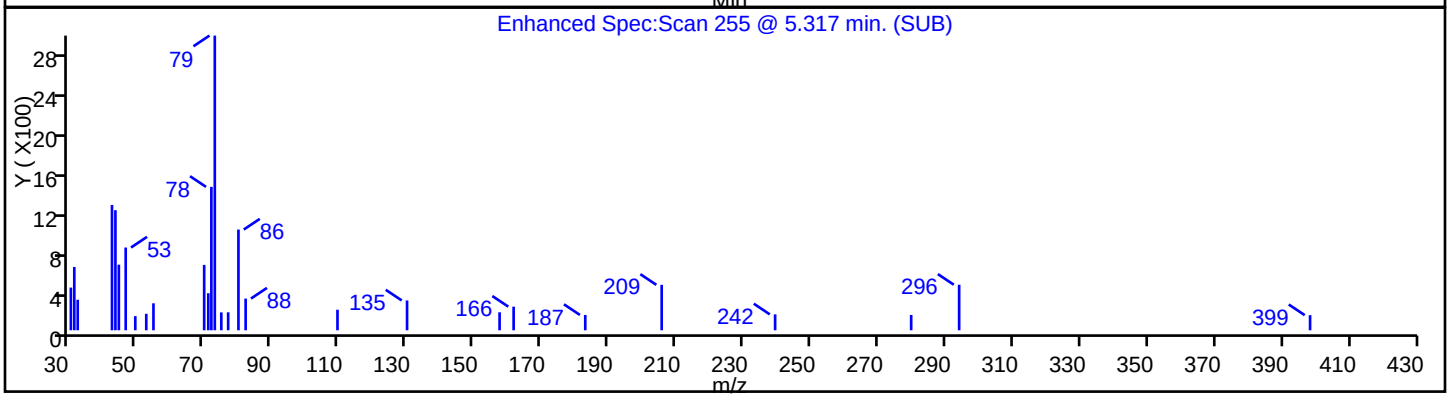
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10408.D		
Inj Date:	18-Sep-2009 20:17:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	9
Client ID:		Instrument:	Inst. B
Sample Info:	std10		
Sample Amount:	2.00 uL	Operator:	MZ

16 Pyridine

Processing Selected Results





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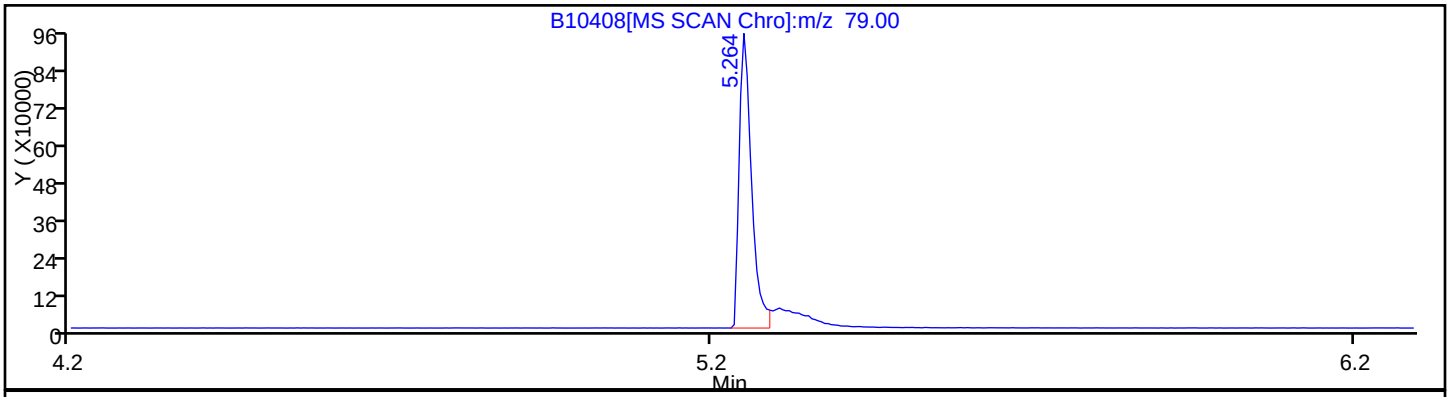
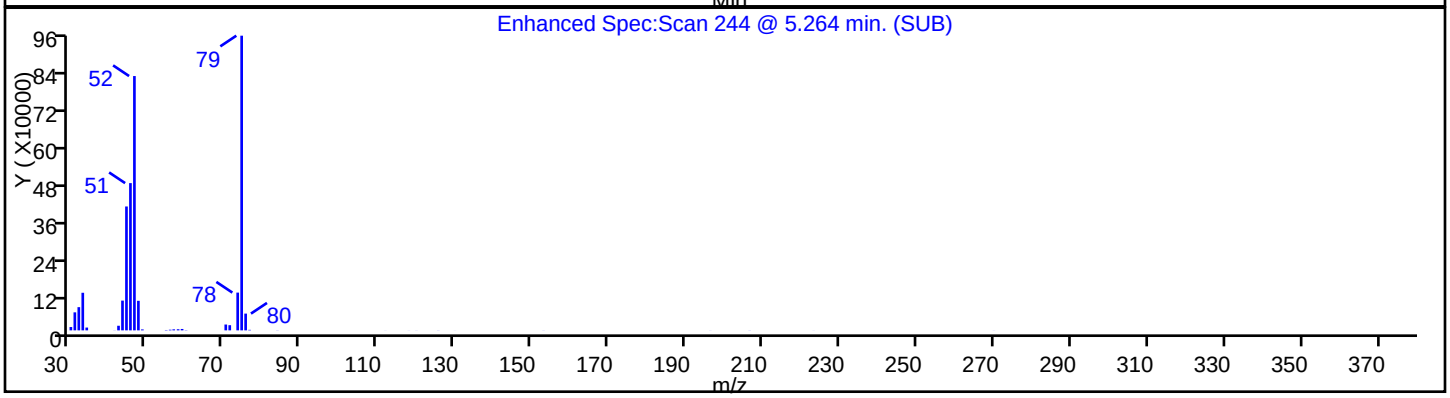




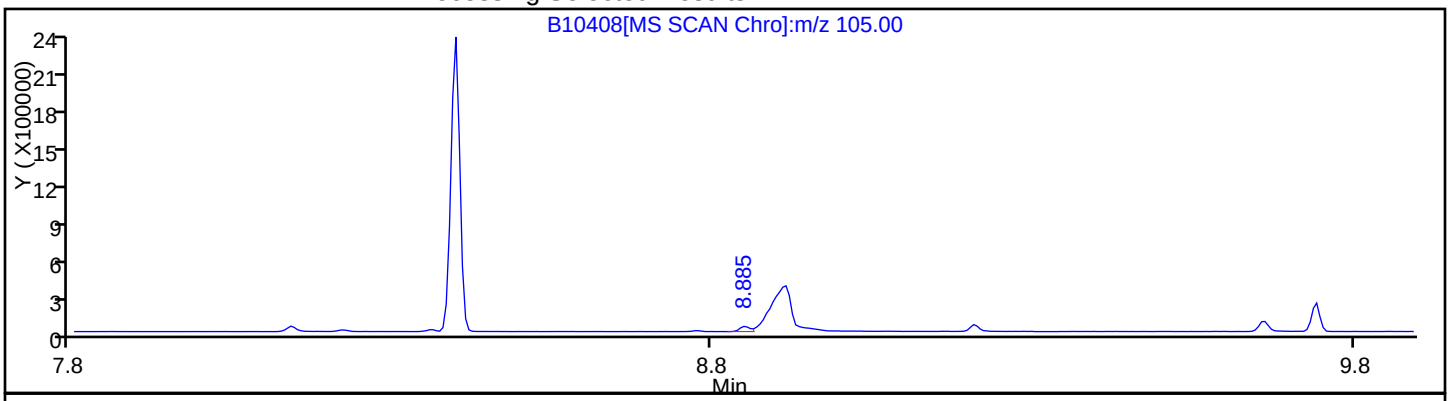
Reviewer: sullivanp, 21-Sep-2009 12:38:46
Audit Action: Selected Alternate Hit
Audit Reason:

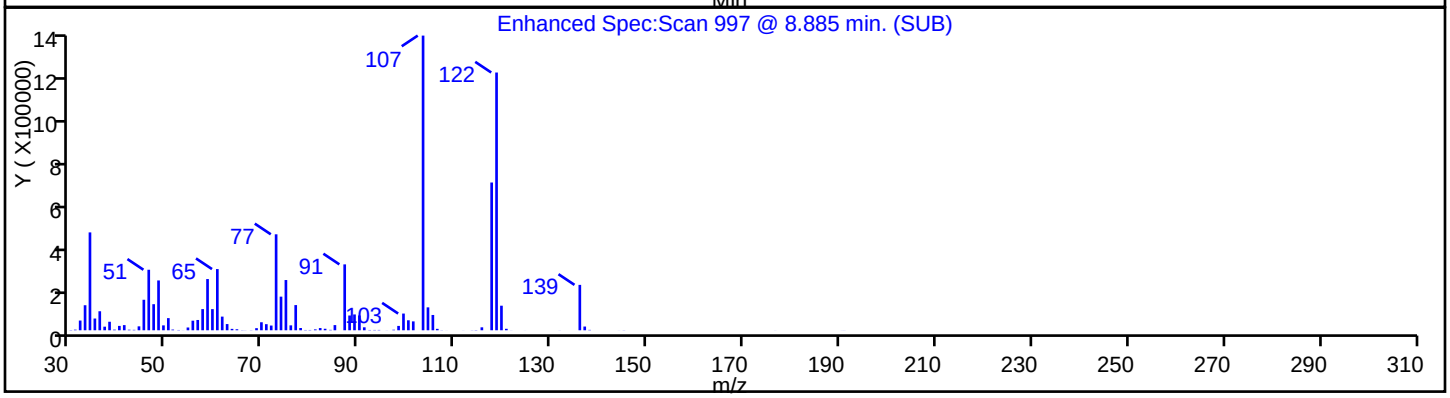
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10408.D		
Inj Date:	18-Sep-2009 20:17:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	9
Client ID:		Instrument:	Inst. B
Sample Info:	std10		
Sample Amount:	2.00 uL	Operator:	MZ

36 Benzoic acid

Processing Selected Results





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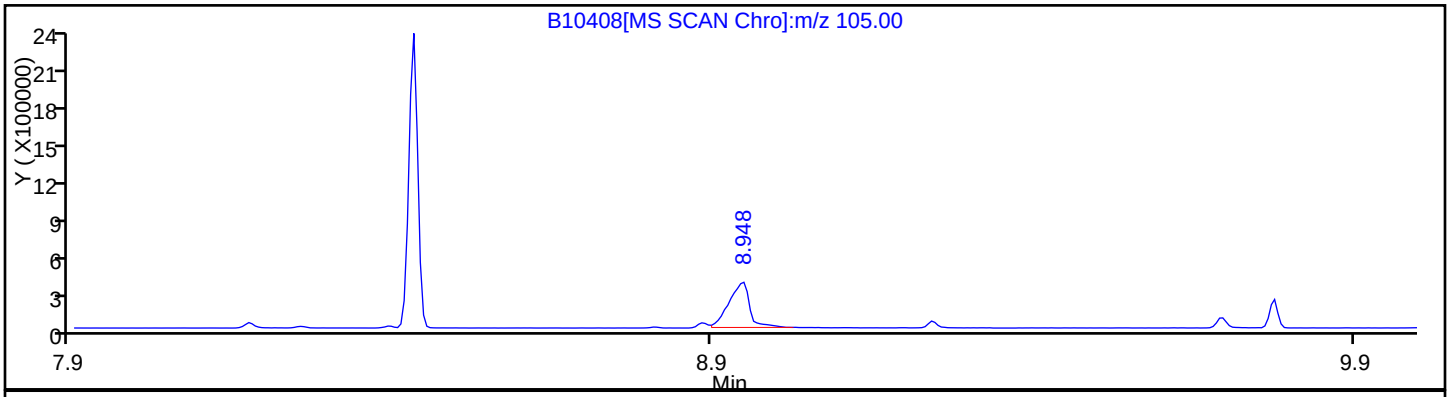
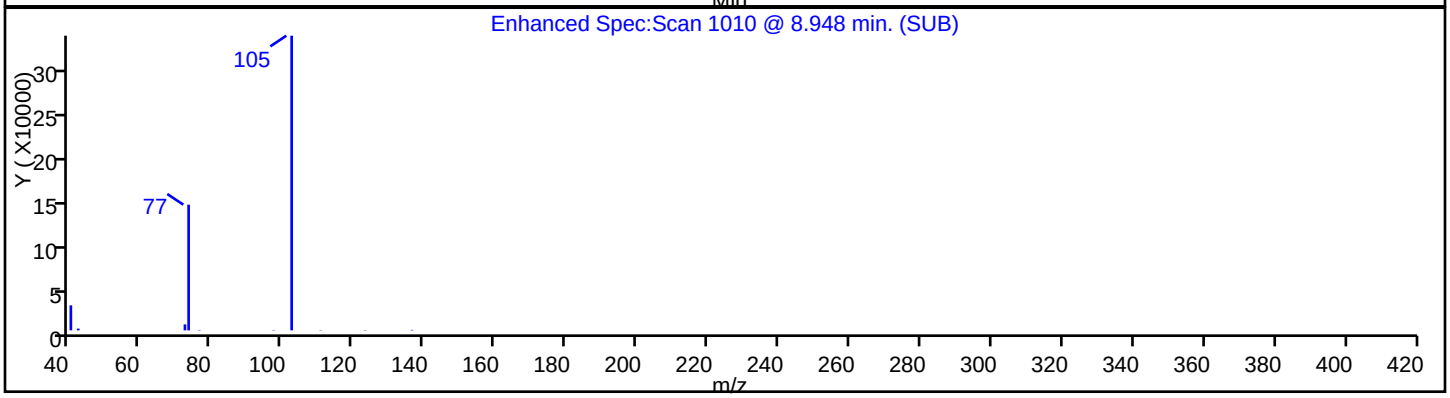




Reviewer: sullivanp, 21-Sep-2009 12:38:46
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10409.D		
Lims ID:	STD20	Client ID:	
Inject. Date:	18-Sep-2009 20:49:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	9
Sample ID:	std20		
Misc. Info.:	360-0001228-010		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	10
Lims Batch ID:	49189	Lims Sample ID:	10
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\8270B.m		
Last Update:	21-Sep-2009 12:46:24	Calib Date:	18-Sep-2009 20:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10409.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 21-Sep-2009 12:46:24

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.114	8.113	0.001	459548	2.00	
* 2 Naphthalene-d8	136	9.239	9.243	-0.004	2369512	2.00	
* 3 Acenaphthene-d10	164	10.749	10.749	0.000	588396	2.00	
* 4 Phenanthrene-d10	188	12.023	12.018	0.005	1003000	2.00	
* 5 Chrysene-d12	240	15.741	15.735	0.006	855667	2.00	
* 6 Perylene-d12	264	18.313	18.308	0.005	444254	2.00	
$ 7 2-Fluorophenol	112	6.859	6.863	-0.004	3005115	23.9	
$ 8 Phenol-d5	99	7.739	7.729	0.010	3767790	24.9	
$ 9 Nitrobenzene-d5	82	8.609	8.604	0.005	3438677	11.1	
$ 10 2-Fluorobiphenyl	172	10.138	10.133	0.005	6375815	17.3	
$ 11 2,4,6-Tribromophenol	330	11.422	11.417	0.005	666946	20.1	
$ 12 Terphenyl-d14	244	13.759	13.749	0.010	5676203	18.3	
14 1,4-Dioxane	88	4.728	4.752	-0.024	1110967	20.1	
15 N-Nitrosodimethylamine	42	5.243	5.247	-0.004	2010654	23.1	
16 Pyridine	79	5.277	5.339	-0.062	2599333	24.3	
17 Benzaldehyde	105	7.719	7.719	0.000	1464422	22.2	5
18 Phenol	94	7.753	7.743	0.010	3846678	24.7	
19 Aniline	93	7.816	7.810	0.006	4313854	26.9	
20 Bis(2-chloroethyl)ether	93	7.849	7.844	0.005	3000591	22.8	
21 2-Chlorophenol	128	7.926	7.926	0.000	3260265	24.0	
22 1,4-Dichlorobenzene	146	8.066	8.065	0.001	3792344	22.7	
23 1,3-Dichlorobenzene	146	8.128	8.128	0.000	3921275	22.6	
24 Benzyl alcohol	79	8.220	8.210	0.010	2565665	20.1	
25 1,2-Dichlorobenzene	146	8.272	8.272	0.000	3611892	22.6	
26 2-Methylphenol	108	8.297	8.291	0.005	3062372	24.1	
27 2,2'-oxybis[1-chloropropane]	45	8.321	8.320	0.001	5105334	21.3	
28 3 & 4 Methylphenol	108	8.426	8.416	0.010	3102019	24.4	
29 N-Nitrosodi-n-propylamine	70	8.450	8.436	0.014	2266710	25.3	
30 Acetophenone	105	8.460	8.455	0.005	4415100	23.5	
31 Hexachloroethane	117	8.580	8.580	0.000	1418879	24.3	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.624	8.618	0.006	3422498	11.3	
33 Isophorone	82	8.821	8.815	0.006	5634646	11.5	
35 2,4-Dimethylphenol	107	8.893	8.883	0.010	2906040	12.5	
34 2-Nitrophenol	139	8.898	8.897	0.001	1943412	14.2	
36 Benzoic acid	105	8.975	8.912	0.063	2161674	32.0	
37 Bis(2-chloroethoxy)methane	93	8.970	8.965	0.006	3479303	11.4	
38 2,4-Dichlorophenol	162	9.104	9.099	0.005	2673877	12.9	
39 1,2,4-Trichlorobenzene	180	9.181	9.181	0.000	2980800	19.5	
40 Alpha-Terpineol	59	9.234	9.224	0.010	2805227	12.1	
41 Naphthalene	128	9.263	9.263	0.000	8286738	12.0	
42 4-Chloroaniline	127	9.282	9.277	0.005	3983084	NaN	5
43 Hexachlorobutadiene	225	9.345	9.340	0.005	1581739	11.6	
44 Caprolactam	55	9.609	9.570	0.039	1487337	13.9	
45 4-Chloro-3-methylphenol	107	9.662	9.652	0.010	2754507	13.6	
46 2-Methylnaphthalene	142	9.850	9.845	0.005	5846720	10.3	
47 1-Methylnaphthalene	142	9.936	9.936	0.000	5916434	10.3	
48 Hexachlorocyclopentadiene	237	9.975	9.970	0.005	1095675	20.1	
49 1,2,4,5-Tetrachlorobenzene	216	9.989	9.989	0.000	2693048	11.2	
50 2,4,6-Trichlorophenol	196	10.071	10.071	0.000	1785118	21.4	
51 2,4,5-Trichlorophenol	196	10.114	10.104	0.010	1913634	21.4	
52 1,1'-Biphenyl	154	10.234	10.229	0.005	6773641	16.7	
53 2-Chloronaphthalene	162	10.278	10.273	0.006	6549166	17.8	
54 Phenyl ether	170	10.311	10.306	0.005	4268587	10.9	
68 4-Nitroaniline	138	10.340	10.335	0.005	2179575	19.6	
56 Dimethyl phthalate	163	10.456	10.446	0.010	6426222	18.2	
57 2,6-Dinitrotoluene	165	10.523	10.518	0.005	1696746	21.2	
58 Acenaphthylene	152	10.638	10.633	0.005	7773673	17.0	
59 3-Nitroaniline	138	10.686	10.676	0.010	1635602	21.3	
60 2,4-Dinitrophenol	184	10.768	10.758	0.010	799535	20.5	
62 4-Nitrophenol	109	10.783	10.768	0.015	992928	19.4	
61 Acenaphthene	153	10.778	10.777	0.001	5942811	18.0	
63 2,4-Dinitrotoluene	165	10.874	10.864	0.010	2211226	19.8	
64 Dibenzofuran	168	10.922	10.917	0.005	7161875	16.7	
65 2,3,4,6-Tetrachlorophenol	232	11.009	11.003	0.006	1440259	20.0	
66 Diethyl phthalate	149	11.033	11.027	0.006	6335868	17.7	
67 4-Chlorophenyl phenyl ether	204	11.177	11.172	0.005	3181172	19.8	
55 2-Nitroaniline	65	11.211	11.196	0.015	1968189	19.6	
69 Fluorene	166	11.215	11.210	0.005	6490687	17.8	
70 4,6-Dinitro-2-methylphenol	198	11.225	11.215	0.010	1095988	20.1	
71 Diphenylamine	169	11.273	11.268	0.005	5674683	18.4	
72 N-Nitrosodiphenylamine	169	11.273	11.268	0.005	5674683	18.4	
73 1,2-Diphenylhydrazine	77	11.316	11.311	0.005	9807064	17.4	
74 Azobenzene	77	11.316	11.311	0.005	9807064	17.4	
13 Benzophenone	105	11.326	11.321	0.005	6559038	18.7	
75 4-Bromophenyl phenyl ether	248	11.600	11.595	0.005	1705961	19.4	
77 Atrazine	200	11.682	11.677	0.005	1772289	19.5	
76 Hexachlorobenzene	284	11.687	11.686	0.001	1626637	19.9	
78 Pentachlorophenol	266	11.841	11.835	0.006	965659	19.9	
79 Pentachloronitrobenzene	237	11.850	11.850	0.000	787646	19.5	
80 Phenanthrene	178	12.047	12.042	0.005	7878202	15.9	
81 Anthracene	178	12.095	12.090	0.005	7896330	16.9	
83 Carbazole	167	12.211	12.206	0.005	7312969	18.1	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	12.437	12.432	0.005	8555433	14.8	
87 Fluoranthene	202	13.307	13.297	0.010	8313726	18.6	
86 Benzidine	184	13.413	13.403	0.010	7267801	20.1	
85 Pyrene	202	13.634	13.629	0.005	8871744	17.2	
89 Butyl benzyl phthalate	149	14.529	14.523	0.006	4585321	20.4	
92 Bis(2-ethylhexyl) phthalate	149	15.611	15.605	0.006	5842286	19.3	
91 3,3'-Dichlorobenzidine	252	15.644	15.630	0.014	5557232	19.5	
93 Benzo[a]anthracene	228	15.726	15.716	0.010	6690869	18.7	
94 Chrysene	228	15.789	15.779	0.010	6307857	18.3	
95 Di-n-octyl phthalate	149	16.654	16.649	0.005	7557785	13.8	
97 Benzo[b]fluoranthene	252	17.544	17.515	0.029	5012955	20.2	
98 Benzo[k]fluoranthene	252	17.597	17.573	0.024	4717785	20.6	
99 Benzo[a]pyrene	252	18.207	18.197	0.010	3770087	19.2	
100 Indeno[1,2,3-cd]pyrene	276	20.977	20.953	0.024	2322263	19.8	
101 Dibenz(a,h)anthracene	278	20.992	20.967	0.025	1879802	18.9	
102 Benzo[g,h,i]perylene	276	21.780	21.766	0.014	1807027	18.1	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 21-Sep-2009 12:46:25 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10409.D

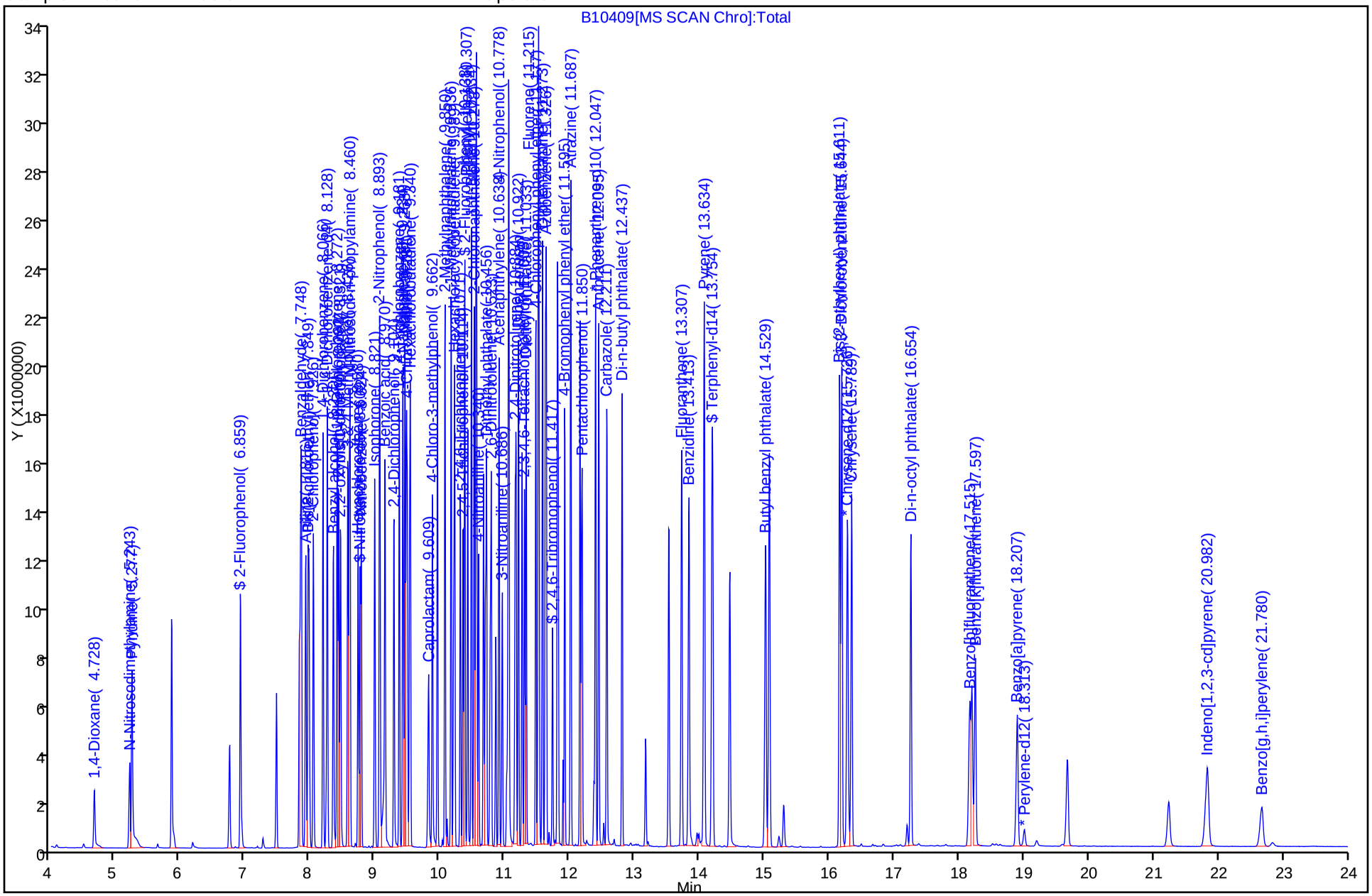
Inj Date: 18-Sep-2009 20:49:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49189 Lims Sample ID: 10

Client ID: Instrument: Inst. B

Sample Info: std20

Sample Amount: 2.00 uL Operator: MZ

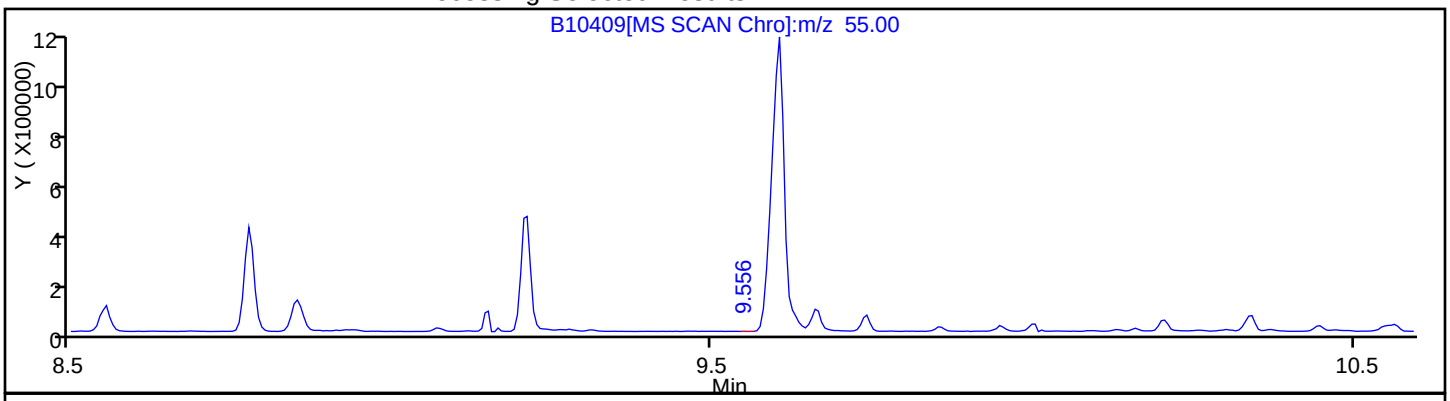


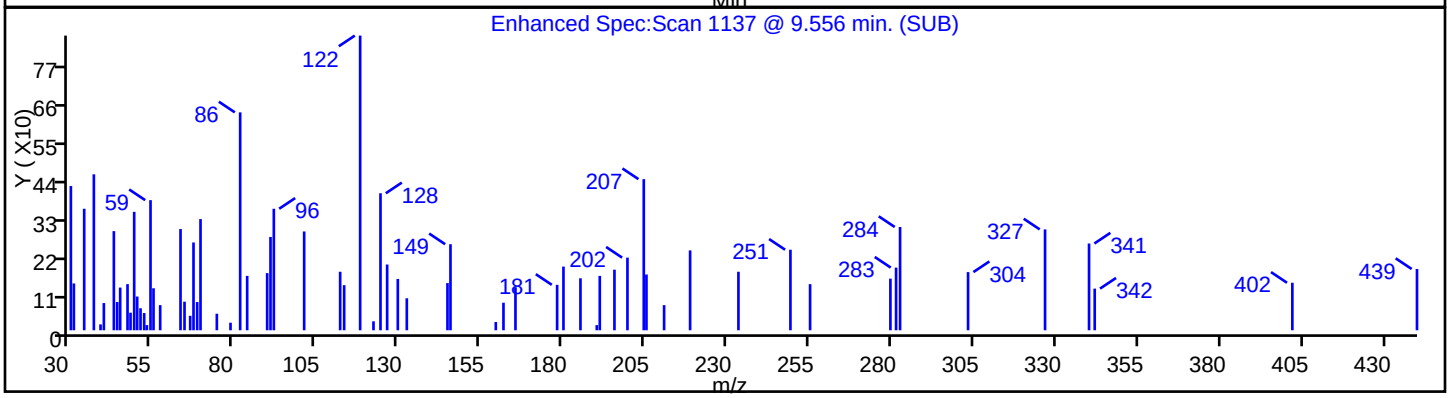
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10409.D		
Inj Date:	18-Sep-2009 20:49:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	2.00 uL	Operator:	MZ

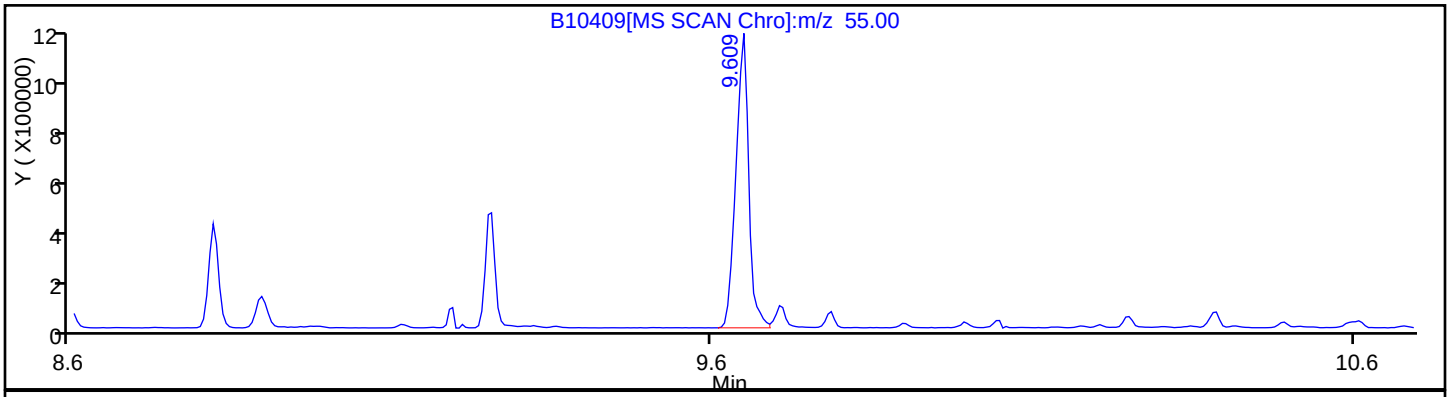
44 Caprolactam

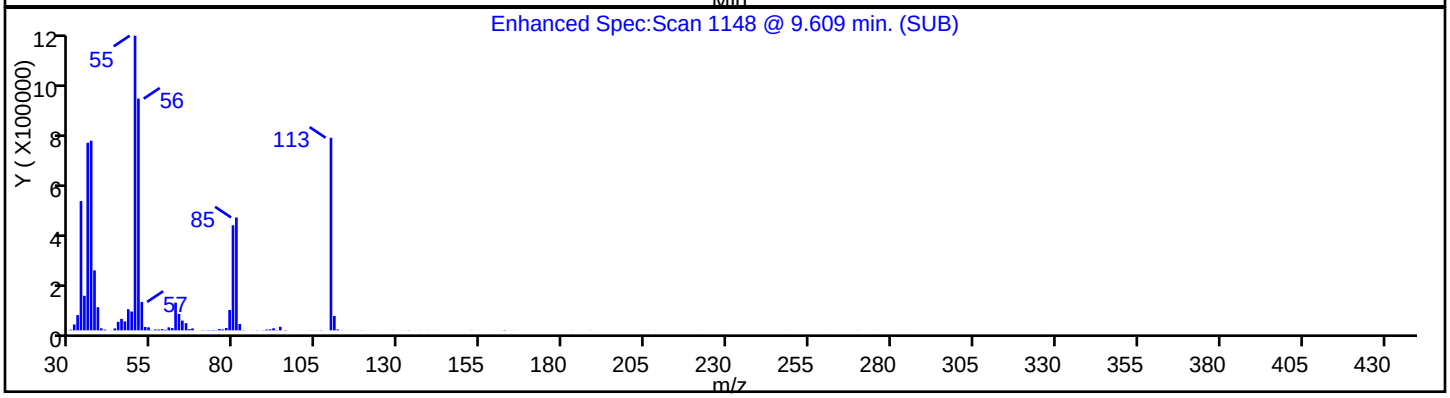
Processing Selected Results





Manual Selected Results





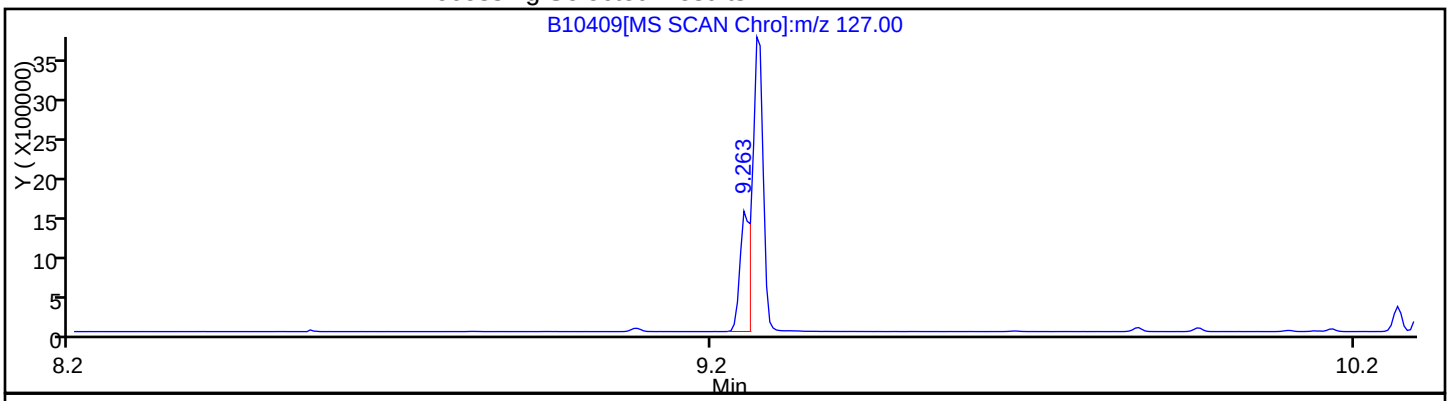
Reviewer: sullivanp, 21-Sep-2009 12:46:24
Audit Action: Selected Alternate Hit
Audit Reason:

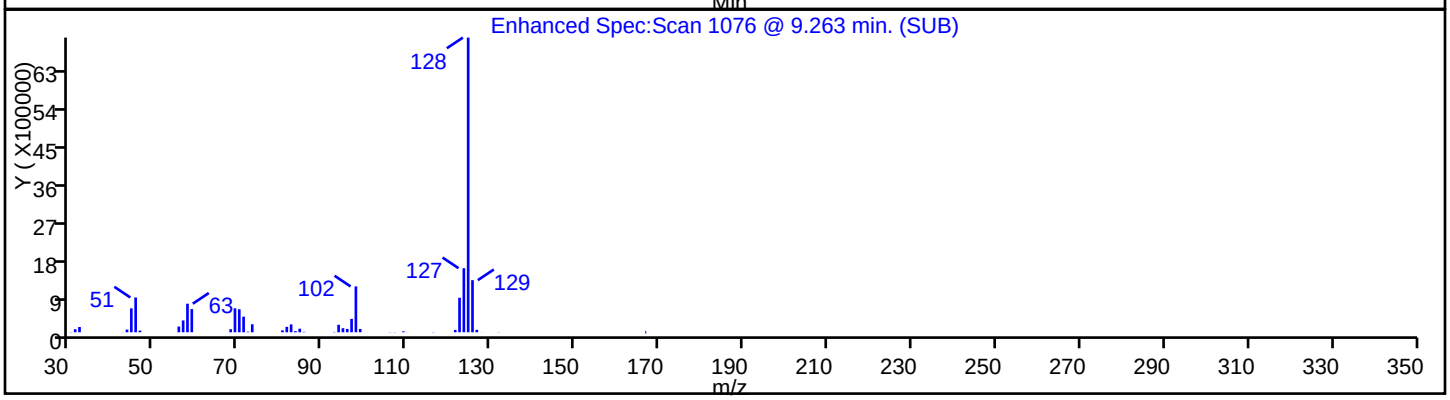
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10409.D		
Inj Date:	18-Sep-2009 20:49:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	2.00 uL	Operator:	MZ

42 4-Chloroaniline

Processing Selected Results





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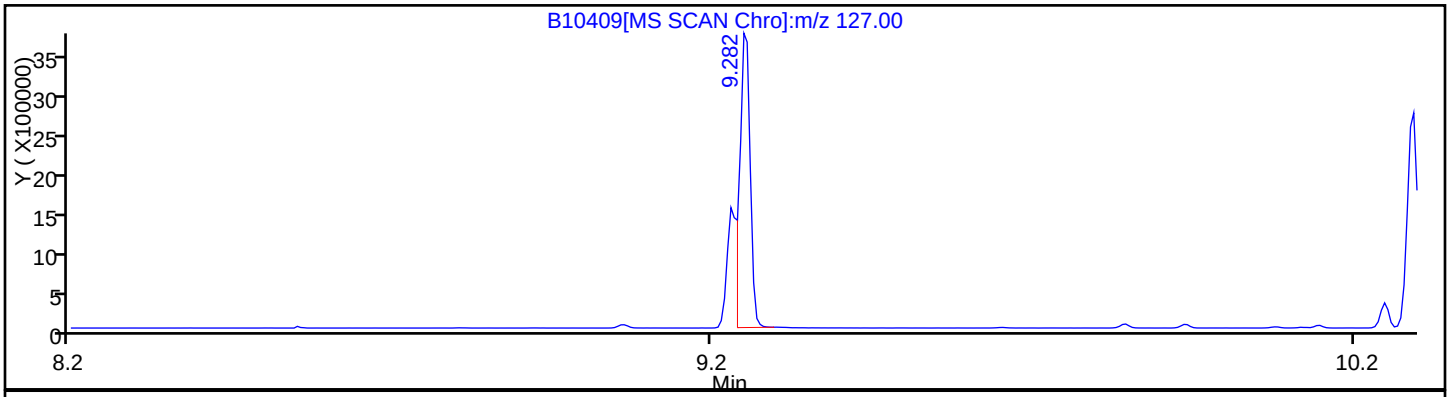
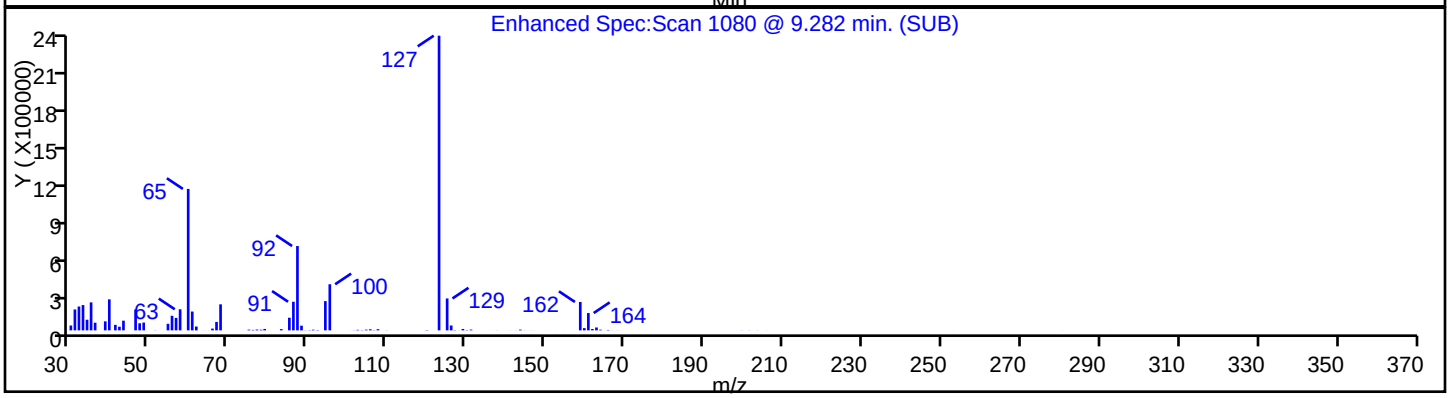




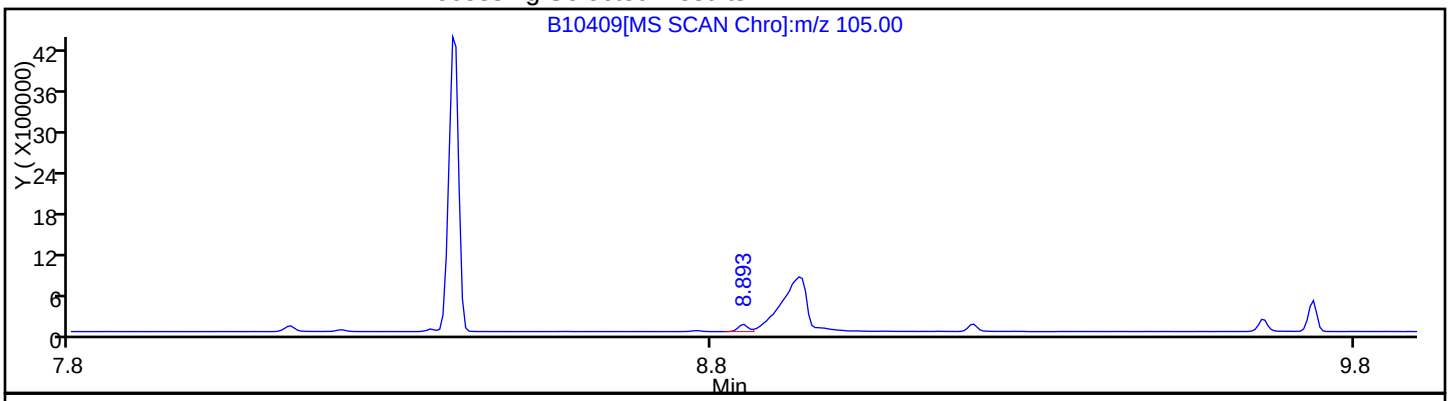
Reviewer: sullivanp, 21-Sep-2009 12:46:24
Audit Action: Selected Alternate Hit
Audit Reason:

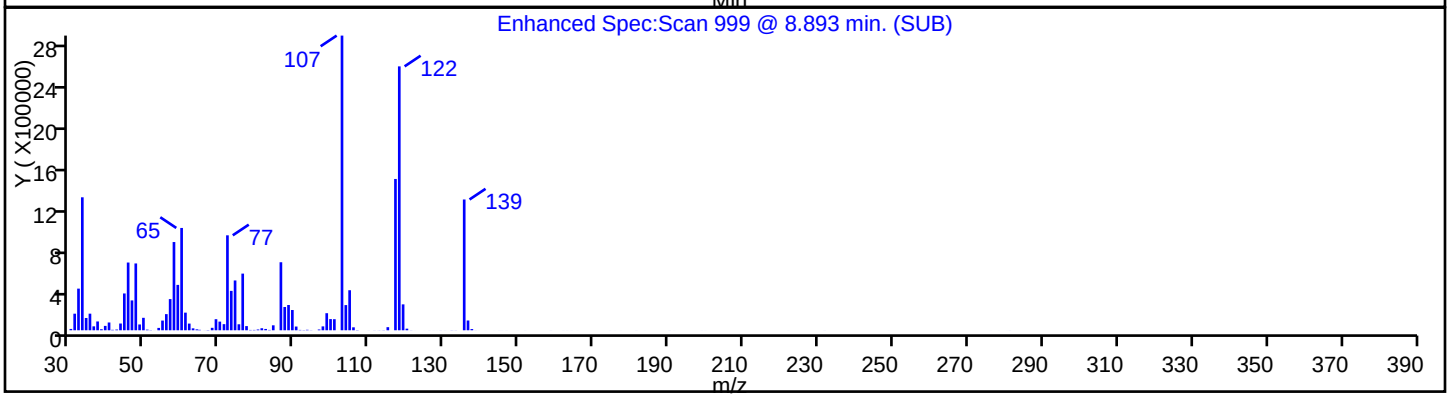
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10409.D		
Inj Date:	18-Sep-2009 20:49:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	2.00 uL	Operator:	MZ

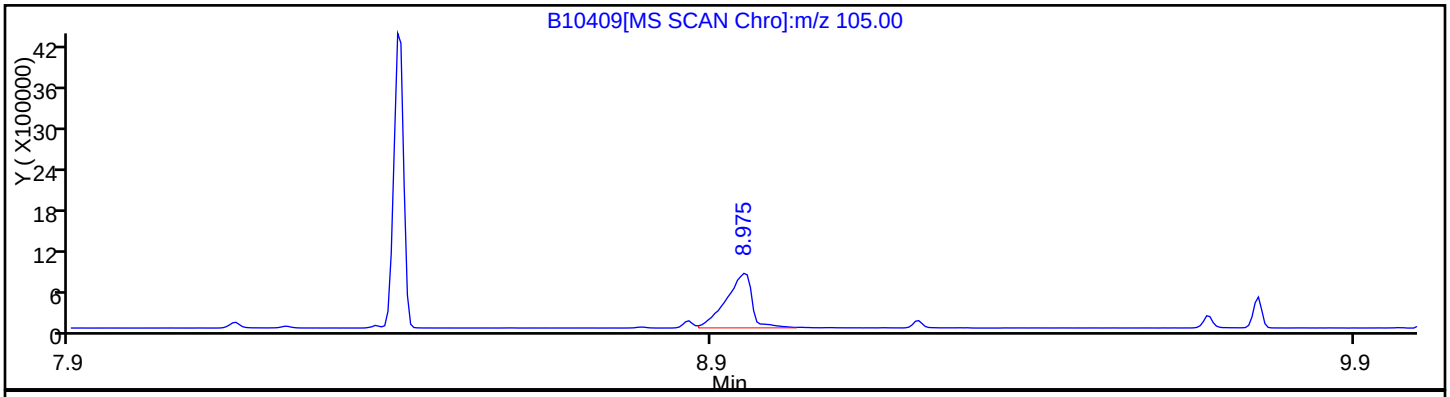
36 Benzoic acid

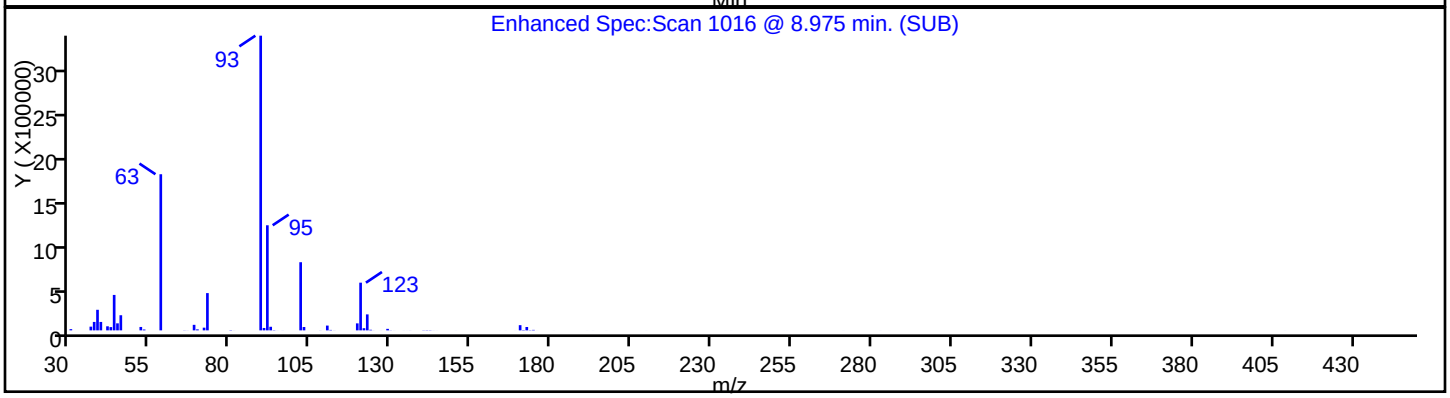
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 21-Sep-2009 12:46:24
Audit Action: Selected Alternate Hit
Audit Reason:

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49265

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49265/3	B10440.D
Level 2	STD025 360-49265/4	B10441.D
Level 3	STD05 360-49265/5	B10442.D
Level 4	STD1 360-49265/6	B10443.D
Level 5	STD25 360-49265/7	B10444.D
Level 6	STD8 360-49265/8	B10445.D
Level 7	STD10 360-49265/9	B10446.D
Level 8	STD20 360-49265/10	B10447.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.5632 0.1690	0.3502 0.1521	0.2641 0.2515	0.2397	0.2284	Qua	0.1356	0.0811	0.0081						0.9930		0.9900
N-Nitrosodimethylamine	0.4235 0.3371	0.3998 0.3042	0.3798 0.5020	0.3919	0.4120	Ave		0.3899				14.0		15.0			
Pyridine	 0.4589	 0.4209	0.3373 +++++	0.4886	0.5095	Ave		0.4470				14.0		15.0			
Benzaldehyde	0.4244 0.3377	0.3852 0.3114	0.3657 +++++	0.3775	0.4051	Ave		0.3700				9.8		15.0			
Phenol	0.7626 0.6277	0.7188 0.5746	0.7041 +++++	0.7103	0.7416	Ave		0.6844				9.5		15.0			
Aniline	0.9541 0.7502	0.8372 0.6801	0.8454 +++++	0.8739	0.9012	Ave		0.8272				11.0		15.0			
Bis(2-chloroethyl)ether	0.6839 0.4951	0.6112 0.4571	0.6107 +++++	0.5949	0.5908	Ave		0.5696				13.0		15.0			
2-Chlorophenol	0.6308 0.5331	0.6300 0.4905	0.6005 +++++	0.6261	0.6352	Ave		0.5876				9.3		15.0			
1,4-Dichlorobenzene	0.8794 0.6396	0.8058 0.5815	0.8278 +++++	0.7662	0.7751	Ave		0.7423				14.0		15.0			
1,3-Dichlorobenzene	0.9472 0.6679	0.8491 0.6060	0.8447 +++++	0.8062	0.8146	Ave		0.7770				15.0		15.0			
Benzyl alcohol	0.3319 0.4472	0.3641 0.4071	0.3899 +++++	0.4412	0.4981	Ave		0.4159				13.0		15.0			
1,2-Dichlorobenzene	0.9246 0.6089	0.7893 0.5537	0.7719 +++++	0.7466	0.7297	Lin1	0.0545	0.5969							0.9920		0.9900
2-Methylphenol	0.5224 0.4948	0.5571 0.4407	0.5465 +++++	0.5561	0.5701	Ave		0.5233				8.3		15.0			
2,2'-oxybis[1-chloropropane]	1.2150 0.8755	1.1661 0.7961	1.1358 +++++	1.1002	1.0960	Ave		1.0382				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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49265

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
3 & 4 Methylphenol	0.5925 0.5081	0.5932 0.4630	0.5545 +++++	0.5642	0.5906	Ave		0.5479				8.7		15.0			
N-Nitrosodi-n-propylamine	0.3790 0.3834	0.3947 0.3430	0.3926 +++++	0.4049	0.4288	Ave		0.3882			0.0500	6.3		15.0			
Acetophenone	0.8385 0.7077	0.8215 0.6428	0.8108 +++++	0.8197	0.8272	Ave		0.7737				9.4		15.0			
Hexachloroethane	0.2850 0.2338	0.2779 0.2143	0.2722 +++++	0.2758	0.2798	Ave		0.2599				10.0		15.0			
Nitrobenzene	0.2542 0.2251	0.2721 0.2043	0.2717 +++++	0.2815	0.2840	Ave		0.2532				12.0		15.0			
Isophorone	0.4298 0.3802	0.3978 0.3482	0.4143 +++++	0.4297	0.4626	Ave		0.4071				8.6		15.0			
2,4-Dimethylphenol	0.2471 0.2182	0.2401 0.1961	0.2508 +++++	0.2434	0.2578	Ave		0.2349				8.7		15.0			
2-Nitrophenol	0.1125 0.1248	0.1133 0.1124	0.1254 0.0844	0.1327	0.1411	Ave		0.1189				14.0		15.0			
Benzoic acid	 0.0761	 0.0752	 0.0826	0.0049	0.0234	Lin1	-0.103	0.0859							0.9910		0.9900
Bis(2-chloroethoxy)methane	0.2998 0.2189	0.2696 0.1981	0.2854 +++++	0.2779	0.2711	Ave		0.2557				14.0		15.0			
2,4-Dichlorophenol	0.2140 0.1729	0.1914 0.1554	0.1987 +++++	0.2027	0.2083	Ave		0.1897				11.0		15.0			
1,2,4-Trichlorobenzene	0.2785 0.1950	0.2635 0.1795	0.2639 0.1301	0.2553	0.2454	Qua	0.0210	0.2294	-0.005						0.9990		0.9900
Alpha-Terpineol	0.2300 0.1927	0.2121 0.1747	0.2092 +++++	0.2239	0.2304	Ave		0.2088				9.4		15.0			
Naphthalene	0.9366 0.6433	0.9079 0.5875	0.8870 +++++	0.8526	0.8258	Lin	0.2259	0.5945							0.9910		0.9900
4-Chloroaniline	0.3533 0.2701	0.3437 0.2487	0.3219 +++++	0.3465	0.3316	Ave		0.3123				13.0		15.0			
Hexachlorobutadiene	0.1419 0.1022	0.1319 0.0935	0.1300 +++++	0.1265	0.1233	Ave		0.1190				15.0		15.0			
Caprolactam	0.0711 0.0907	0.0733 0.0826	0.0707 +++++	0.0866	0.1033	Ave		0.0840				14.0		15.0			
4-Chloro-3-methylphenol	0.1679 0.1761	0.1884 0.1619	0.1860 0.1213	0.2023	0.2090	Ave		0.1771				15.0		15.0			
2-Methylnaphthalene	0.5643 0.4365	0.5552 0.3936	0.5723 +++++	0.5571	0.5415	Ave		0.5075				14.0		15.0			
1-Methylnaphthalene	0.5813 0.4241	0.5446 0.3850	0.5345 +++++	0.5364	0.5285	Ave		0.4957				14.0		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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49265

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Hexachlorocyclopentadiene	0.1314 0.2553	0.1478 0.2304	0.1408 0.2574	0.1839	0.2113	Lin1	-0.024	0.2442			0.0500				0.9920		0.9900
1,2,4,5-Tetrachlorobenzene	0.2311 0.1739	0.2257 0.1579	0.2219 +++++	0.2175	0.2108	Ave		0.2010				14.0		15.0			
2,4,6-Trichlorophenol	0.2205 0.3505	0.2328 0.3315	0.2582 0.3571	0.2842	0.3214	Lin1	-0.025	0.3431							0.9960		0.9900
2,4,5-Trichlorophenol	0.2407 0.3725	0.2631 0.3493	0.2673 0.3730	0.2975	0.3323	Lin1	-0.024	0.3593							0.9950		0.9900
1,1'-Biphenyl	1.4348 1.4847	1.4372 1.4049	1.3739 1.3570	1.3903	1.4531	Ave		1.4029				4.2		15.0			
2-Chloronaphthalene	1.2943 1.4292	1.2132 1.3386	1.2390 1.3984	1.2607	1.3999	Ave		1.3061				6.9		15.0			
Phenyl ether	0.3840 0.2797	0.3535 0.2543	0.3515 +++++	0.3548	0.3344	Ave		0.3231				15.0		15.0			
4-Nitroaniline	0.2461 0.4075	0.2422 0.3847	0.2547 0.4125	0.3031	0.3661	Lin1	-0.034	0.3973							0.9960		0.9900
Dimethyl phthalate	1.1880 1.3471	1.1499 1.2790	1.2024 1.2833	1.2302	1.3067	Ave		1.2387				5.5		15.0			
2,6-Dinitrotoluene	0.2271 0.3203	0.2313 0.2980	0.2450 0.3201	0.2698	0.2995	Ave		0.2754				13.0		15.0			
Acenaphthylene	1.4548 1.8704	1.5410 1.7730	1.6344 1.6614	1.6752	1.7954	Ave		1.6695				7.7		15.0			
3-Nitroaniline	0.1953 0.3152	0.2070 0.2960	0.2300 0.3193	0.2533	0.2808	Lin1	-0.022	0.3065							0.9960		0.9900
2,4-Dinitrophenol	 0.1103	 0.1024	 0.1348	0.0326	0.0543	Qua	-0.087	0.0911	0.0024		0.0500				0.9970		0.9900
Acenaphthene	1.1334 1.2850	1.1432 1.2274	1.1211 1.2156	1.1392	1.2085	Ave		1.1743				5.3		15.0			
4-Nitrophenol	 0.1883	 0.1816	0.0672 0.2005	0.0832	0.1419	Lin1	-0.093	0.1955			0.0500				0.9930		0.9900
2,4-Dinitrotoluene	0.2019 0.4068	0.2443 0.3904	0.2469 0.4271	0.2999	0.3633	Lin1	-0.041	0.4044							0.9930		0.9900
Dibenzofuran	1.6210 1.6507	1.4686 1.5502	1.4667 1.4834	1.5039	1.5948	Ave		1.5279				5.3		15.0			
2,3,4,6-Tetrachlorophenol	0.1227 0.2772	0.1471 0.2485	0.1653 0.2812	0.1949	0.2306	Lin1	-0.028	0.2658							0.9920		0.9900
Diethyl phthalate	1.2465 1.3832	1.2019 1.3129	1.2190 1.2974	1.2178	1.3043	Ave		1.2630				5.2		15.0			
4-Chlorophenyl phenyl ether	0.5288 0.6194	0.5361 0.5912	0.5604 0.6226	0.5438	0.5791	Ave		0.5664				6.9		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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49265

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Nitroaniline	0.1738 0.3709	0.1935 0.3467	0.2129 0.3809	0.2532	0.3163	Lin1	-0.040	0.3608							0.9920		0.9900
Fluorene	1.1759 1.4449	1.2234 1.3897	1.2048 1.3494	1.2358	1.3418	Ave		1.2847				7.6		15.0			
4,6-Dinitro-2-methylphenol	 0.1118	 0.1025	0.0197 0.1235	0.0409	0.0682	Lin	-0.135	0.1268							0.9920		0.9900
Diphenylamine	0.5894 0.7202	0.5956 0.6857	0.6288 0.6921	0.6281	0.6975	Ave		0.6519				7.3		15.0			
N-Nitrosodiphenylamine	0.5894 0.7202	0.5956 0.6857	0.6288 0.6921	0.6281	0.6975	Ave		0.6519				7.3		15.0			
1,2-Diphenylhydrazine	1.0410 1.3231	1.0545 1.2773	1.1078 1.2322	1.1683	1.3247	Ave		1.1897				9.1		15.0			
Azobenzene	1.0410 1.3231	1.0545 1.2773	1.1078 1.2322	1.1683	1.3247	Ave		1.1897				9.1		15.0			
Benzophenone	0.5588 0.8333	0.6200 0.7902	0.6627 0.8060	0.6888	0.7687	Ave		0.7148				13.0		15.0			
4-Bromophenyl phenyl ether	0.1936 0.1961	0.1758 0.1859	0.1737 0.1983	0.1777	0.1832	Ave		0.1833				6.1		15.0			
Atrazine	0.1548 0.2257	0.1532 0.2171	0.1628 0.2248	0.1818	0.2119	Lin1	-0.014	0.2201							0.9980		0.9900
Hexachlorobenzene	0.1769 0.1866	0.1723 0.1778	0.1696 0.1944	0.1696	0.1839	Ave		0.1770				5.6		15.0			
Pentachlorophenol	 0.0993	 0.0928	0.0239 0.1162	0.0333	0.0639	Lin	-0.135	0.1187							0.9900		0.9900
Pentachloronitrobenzene	0.0594 0.0881	0.0564 0.0842	0.0615 0.0945	0.0677	0.0798	Lin1	-0.007	0.0885							0.9930		0.9900
Phenanthrene	1.0925 1.0945	1.0418 1.0397	1.0233 0.9766	1.0132	1.0804	Ave		1.0356				4.7		15.0			
Anthracene	0.8971 1.0823	0.9253 1.0299	0.8934 0.9695	0.9314	1.0379	Ave		0.9691				6.9		15.0			
Carbazole	0.7928 0.8880	0.7731 0.8327	0.7640 0.8503	0.8035	0.8880	Ave		0.8190				5.9		15.0			
Di-n-butyl phthalate	1.5023 1.2753	1.2227 1.2045	1.1460 1.0845	1.1369	1.2526	Ave		1.2206				10.0		15.0			
Fluoranthene	0.8366 0.9905	0.8205 0.9462	0.8335 0.9750	0.8404	0.9507	Ave		0.8954				7.7		15.0			
Benzidine	0.0824 0.2110	0.0595 0.2271	0.0748 0.3232	0.1096	0.1621	Qua	-0.024	0.1268	0.0099						0.9990		0.9900
Pyrene	1.9104 1.6259	1.6042 1.5345	1.6702 1.4458	1.6371	1.6962	Ave		1.6239				8.4		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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49265

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Butyl benzyl phthalate	0.6080 0.7656	0.5526 0.7241	0.5705 0.7262	0.6548	0.7443	Ave		0.6741				12.0		15.0			
Bis(2-ethylhexyl) phthalate	0.9100 1.0128	0.6321 0.9515	0.6138 0.9893	0.7854	0.9125	Lin1	-0.058	0.9781							0.9970		0.9900
3,3'-Dichlorobenzidine	0.1685 0.3131	0.1705 0.2928	0.1685 0.3221	0.2095	0.2707	Lin1	-0.032	0.3068							0.9940		0.9900
Benzo[a]anthracene	0.8294 0.9726	0.7926 0.9187	0.8153 0.9421	0.8714	0.9479	Ave		0.8840				7.3		15.0			
Chrysene	0.8784 0.9147	0.8611 0.8645	0.8677 0.8829	0.8150	0.8983	Ave		0.8662				3.9		15.0			
Di-n-octyl phthalate	1.4141 2.4584	1.2167 2.3061	1.2312 2.5639	1.7954	2.2598	Lin1	-0.255	2.4689							0.9960		0.9900
Benzo[b]fluoranthene	1.2866 1.2868	1.0946 1.2316	1.1872 1.3598	1.2150	1.2779	Ave		1.2323				6.5		15.0			
Benzo[k]fluoranthene	1.1599 1.2000	1.0172 1.1579	1.0124 1.2707	1.0893	1.2031	Ave		1.1300				8.0		15.0			
Benzo[a]pyrene	0.7993 0.9660	0.6909 0.9324	0.6981 1.0222	0.7484	0.8750	Ave		0.8404				14.0		15.0			
Indeno[1,2,3-cd]pyrene	0.8355 0.7370	0.5416 0.7463	0.5366 0.7596	0.6115	0.6632	Ave		0.6740				15.0		15.0			
Dibenz(a,h)anthracene	0.6812 0.6071	0.5045 0.6116	0.4240 0.6275	0.4969	0.5307	Ave		0.5548				15.0		15.0			
Benzo[g,h,i]perylene	0.8820 0.5986	0.5901 0.5877	0.4867 0.5977	0.5418	0.5698	Lin1	0.0072	0.5820							0.9970		0.9900
2-Fluorophenol	0.5834 0.4929	0.5278 0.4593	0.5835 0.7384	0.5876	0.5971	Ave		0.5631				15.0		15.0			
Phenol-d5	0.6305 0.6141	0.6917 0.5638	0.6636 +++++	0.6769	0.7305	Ave		0.6480				8.2		15.0			
Nitrobenzene-d5	0.2865 0.2272	0.2685 0.2076	0.2626 +++++	0.2743	0.2878	Ave		0.2563				11.0		15.0			
2-Fluorobiphenyl	1.3950 1.4159	1.2662 1.3330	1.3161 1.3007	1.2857	1.3764	Ave		1.3215				5.1		15.0			
2,4,6-Tribromophenol	0.0522 0.0749	0.0422 0.0707	0.0434 0.0785	0.0509	0.0679	Lin1	-0.007	0.0740							0.9920		0.9900
Terphenyl-d14	1.0735 0.9788	0.8915 0.9158	0.9892 0.8971	0.9685	0.9865	Ave		0.9523				6.7		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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49265

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49265/3	B10440.D
Level 2	STD025 360-49265/4	B10441.D
Level 3	STD05 360-49265/5	B10442.D
Level 4	STD1 360-49265/6	B10443.D
Level 5	STD25 360-49265/7	B10444.D
Level 6	STD8 360-49265/8	B10445.D
Level 7	STD10 360-49265/9	B10446.D
Level 8	STD20 360-49265/10	B10447.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCB	Qua	9528 438599	16660 425323	22101 764598	49845	125233	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
N-Nitrosodimethylamine	DCB	Ave	7166 874922	19024 850967	31778 1525979	81505	225921	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Pyridine	DCB	Ave	 1191266	 1177405	28229 +++++	101595	279336	 8.00	 10.0	0.500 +++++	1.00	2.50
Benzaldehyde	DCB	Ave	7180 876528	18326 871122	30601 +++++	78497	222117	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Phenol	DCB	Ave	12902 1629249	34199 1607327	58916 +++++	147702	406650	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Aniline	DCB	Ave	16142 1947218	39834 1902246	70739 +++++	181728	494145	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Bis(2-chloroethyl)ether	DCB	Ave	11571 1285249	29080 1278568	51100 +++++	123714	323929	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
2-Chlorophenol	DCB	Ave	10673 1383900	29976 1372113	50248 +++++	130202	348265	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
1,4-Dichlorobenzene	DCB	Ave	14879 1660157	38339 1626464	69270 +++++	159335	424989	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
1,3-Dichlorobenzene	DCB	Ave	16026 1733752	40400 1694960	70687 +++++	167645	446662	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Benzyl alcohol	DCB	Ave	5616 1160893	17322 1138644	32624 +++++	91741	273115	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
1,2-Dichlorobenzene	DCB	Lin1	15643 1580661	37555 1548790	64589 +++++	155260	400103	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
2-Methylphenol	DCB	Ave	8839 1284317	26504 1232717	45729 +++++	115632	312564	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
2,2'-oxybis[1-chloropropane]	DCB	Ave	20556 2272687	55482 2226706	95039 +++++	228793	600944	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
3 & 4 Methylphenol	DCB	Ave	10024 1319022	28223 1295161	46398 +++++	117322	323829	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49265

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
N-Nitrosodi-n-propylamine	DCB	Ave	6412 995155	18777 959407	32851 +++++	84194	235132	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Acetophenone	DCB	Ave	14186 1837007	39085 1798087	67848 +++++	170449	453571	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Hexachloroethane	DCB	Ave	4822 606803	13222 599438	22775 +++++	57356	153424	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Nitrobenzene	NPT	Ave	10383 1489968	31325 1456311	53954 +++++	139739	380927	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Isophorone	NPT	Ave	17553 2516384	45790 2482165	82265 +++++	213268	620481	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
2,4-Dimethylphenol	NPT	Ave	10094 1444088	27641 1398281	49804 +++++	120821	345816	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
2-Nitrophenol	NPT	Ave	4595 825782	13042 801499	24889 1547647	65849	189214	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Benzoic acid	NPT	Lin1	 503862	 535980	 1514189	2416	31413	 8.00	 10.0	 20.0	1.00	2.50
Bis(2-chloroethoxy)methane	NPT	Ave	12243 1448985	31032 1411977	56672 +++++	137958	363599	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
2,4-Dichlorophenol	NPT	Ave	8740 1144036	22031 1107747	39448 +++++	100590	279438	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
1,2,4-Trichlorobenzene	NPT	Qua	11373 1290408	30337 1279849	52390 2386399	126724	329203	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Alpha-Terpineol	NPT	Ave	9392 1275530	24414 1245422	41538 +++++	111115	308980	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Naphthalene	NPT	Lin	38255 4257495	104521 4187994	176114 +++++	423173	1107574	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
4-Chloroaniline	NPT	Ave	14431 1787557	39569 1772669	63918 +++++	171999	444797	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Hexachlorobutadiene	NPT	Ave	5795 676247	15183 666695	25820 +++++	62784	165419	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Caprolactam	NPT	Ave	2905 600505	8442 589047	14031 +++++	42965	138603	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
4-Chloro-3-methylphenol	NPT	Ave	6858 1165703	21688 1154212	36934 2225390	100405	280295	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2-Methylnaphthalene	NPT	Ave	23047 2889065	63911 2805691	113623 +++++	276524	726241	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
1-Methylnaphthalene	NPT	Ave	23741 2807107	62699 2744671	106129 +++++	266253	708838	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Hexachlorocyclopentadiene	ANT	Lin1	2631 564907	8330 530563	13184 1064701	42415	122303	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
1,2,4,5-Tetrachlorobenzene	NPT	Ave	9440 1150930	25985 1125416	44063 +++++	107954	282712	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49265

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,4,6-Trichlorophenol	ANT	Lin1	4414 775509	13120 763205	24181 1476881	65530	185998	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2,4,5-Trichlorophenol	ANT	Lin1	4819 824170	14826 804256	25029 1542511	68597	192322	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
1,1'-Biphenyl	ANT	Ave	28727 3284802	80985 3234972	128651 5612516	320583	841035	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2-Chloronaphthalene	ANT	Ave	25913 3161868	68361 3082209	116016 5783703	290694	810231	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Phenyl ether	NPT	Ave	15683 1850896	40692 1812701	69782 +++++	176095	448465	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
4-Nitroaniline	ANT	Lin1	4927 901512	13647 885807	23847 1705952	69885	211909	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Dimethyl phthalate	ANT	Ave	23785 2980269	64796 2944939	112596 5307566	283661	756300	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2,6-Dinitrotoluene	ANT	Ave	4547 708661	13034 686277	22938 1324010	62203	173343	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Acenaphthylene	ANT	Ave	29126 4138038	86836 4082534	153049 6871356	386275	1039146	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
3-Nitroaniline	ANT	Lin1	3910 697260	11663 681595	21539 1320454	58410	162524	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2,4-Dinitrophenol	ANT	Qua	 243919	 235679	 557344	7510	31399	 8.00	 10.0	 20.0	1.00	2.50
Acenaphthene	ANT	Ave	22691 2842915	64419 2826177	104977 5027591	262691	699440	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
4-Nitrophenol	ANT	Lin1	 416505	 418066	6288 829374	19187	82110	 8.00	 10.0	0.500 20.0	1.00	2.50
2,4-Dinitrotoluene	ANT	Lin1	4043 899942	13764 898979	23120 1766420	69164	210274	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Dibenzofuran	ANT	Ave	32455 3652050	82751 3569484	137345 6135105	346792	923029	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2,3,4,6-Tetrachlorophenol	ANT	Lin1	2457 613295	8287 572237	15479 1163050	44953	133477	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Diethyl phthalate	ANT	Ave	24956 3060104	67725 3023115	114149 5365704	280823	754868	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
4-Chlorophenyl phenyl ether	ANT	Ave	10587 1370313	30207 1361202	52477 2575079	125395	335166	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2-Nitroaniline	ANT	Lin1	3480 820484	10902 798264	19933 1575216	58386	183077	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Fluorene	ANT	Ave	23542 3196669	68939 3199989	112818 5580689	284973	776596	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
4,6-Dinitro-2-methylphenol	PHN	Lin	 411300	 391249	2936 850981	15341	63627	 8.00	 10.0	0.500 20.0	1.00	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49265

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Diphenylamine	PHN	Ave	18611 2648570	54149 2617004	93721 4767796	235860	650673	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
N-Nitrosodiphenylamine	PHN	Ave	18611 2648570	54149 2617004	93721 4767796	235860	650673	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
1,2-Diphenylhydrazine	PHN	Ave	32868 4865630	95862 4874816	165113 8488649	438723	1235674	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Azobenzene	PHN	Ave	32868 4865630	95862 4874816	165113 8488649	438723	1235674	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Benzophenone	PHN	Ave	17644 3064364	56366 3015672	98764 5552812	258663	717087	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
4-Bromophenyl phenyl ether	PHN	Ave	6113 721205	15981 709386	25890 1366417	66727	170922	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Atrazine	PHN	Lin1	4887 829953	13925 828421	24268 1548685	68273	197619	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Hexachlorobenzene	PHN	Ave	5584 686133	15660 678656	25276 1339489	63674	171497	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Pentachlorophenol	PHN	Lin	 365216	 354187	3566 800299	12490	59605	 8.00	 10.0	0.500 20.0	1.00	2.50
Pentachloronitrobenzene	PHN	Lin1	1877 324082	5127 321191	9167 651097	25435	74453	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Phenanthrene	PHN	Ave	34493 4025006	94703 3967800	152519 6727870	380489	1007808	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Anthracene	PHN	Ave	28324 3980127	84119 3930513	133154 6678787	349778	968171	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Carbazole	PHN	Ave	25032 3265563	70279 3177795	113874 5857930	301750	828357	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Di-n-butyl phthalate	PHN	Ave	47435 4690003	111150 4596634	170809 7471416	426926	1168450	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Fluoranthene	PHN	Ave	26416 3642430	74587 3611156	124230 6716971	315577	886788	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Benzidine	PHN	Qua	2603 775957	5408 866566	11149 2226293	41144	151233	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Pyrene	CRY	Ave	27702 3803173	80094 3747940	127315 7183007	329384	921425	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Butyl benzyl phthalate	CRY	Ave	8817 1790833	27592 1768565	43492 3608107	131754	404324	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Bis(2-ethylhexyl) phthalate	CRY	Lin1	13196 2369029	31562 2324115	46793 4914932	158020	495696	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
3,3'-Dichlorobenzidine	CRY	Lin1	2443 732423	8512 715117	12846 1600028	42142	147042	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Benzo[a]anthracene	CRY	Ave	12027 2275030	39575 2244007	62150 4680598	175319	514948	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49265

SDG No.: OCRI-09A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chrysene	CRY	Ave	12738 2139586	42993 2111431	66141 4386350	163980	488001	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Di-n-octyl phthalate	PRY	Lin1	10548 3240103	35078 3172594	48497 6664822	193411	670593	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Benzo[b]fluoranthene	PRY	Ave	9597 1695958	31557 1694446	46761 3534752	130891	379206	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Benzo[k]fluoranthene	PRY	Ave	8652 1581623	29326 1592945	39879 3303168	117343	356999	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Benzo[a]pyrene	PRY	Ave	5962 1273232	19919 1282761	27498 2657127	80622	259661	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Indeno[1,2,3-cd]pyrene	PRY	Ave	6232 971352	15614 1026776	21136 1974687	65872	196799	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Dibenz(a,h)anthracene	PRY	Ave	5081 800166	14544 841357	16700 1631243	53534	157490	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Benzo[g,h,i]perylene	PRY	Lin1	6579 789006	17014 808560	19170 1553628	58369	169094	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2-Fluorophenol	DCB	Ave	9870 1279557	25114 1284616	48827 2244693	122192	327381	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Phenol-d5	DCB	Ave	10667 1594020	32911 1576994	55531 +++++	140770	400524	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Nitrobenzene-d5	NPT	Ave	11701 1503929	30908 1480163	52136 +++++	136156	385960	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
2-Fluorobiphenyl	ANT	Ave	27929 3132573	71350 3069374	123243 5379312	296470	796621	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2,4,6-Tribromophenol	PHN	Lin1	1649 275350	3838 269932	6467 541127	19113	63345	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Terphenyl-d14	CRY	Ave	15566 2289546	44513 2236869	75406 4457120	194867	535886	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10440.D		
Lims ID:	std01	Client ID:	
Inject. Date:	21-Sep-2009 15:55:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	std01		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	49265	Lims Sample ID:	3
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 10:40:56	Calib Date:	21-Sep-2009 15:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10440.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 10:24:14
Reviewed By:	sullivanp	Date:	22-Sep-2009 10:40:56

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.902	7.903	-0.001	338381	2.00	
* 2 Naphthalene-d8	136	9.032	9.033	-0.001	816855	2.00	
* 3 Acenaphthene-d10	164	10.532	10.533	-0.001	400421	2.00	
* 4 Phenanthrene-d10	188	11.802	11.803	-0.001	631479	2.00	
* 5 Chrysene-d12	240	15.399	15.400	-0.001	290016	2.00	
* 6 Perylene-d12	264	17.837	17.842	-0.005	149183	2.00	
$ 7 2-Fluorophenol	112	6.632	6.633	-0.001	9870	0.1079	
$ 8 Phenol-d5	99	7.517	7.523	-0.006	10667	0.1014	
$ 9 Nitrobenzene-d5	82	8.392	8.393	-0.001	11701	0.1097	
$ 10 2-Fluorobiphenyl	172	9.926	9.927	-0.001	27929	0.1073	
$ 11 2,4,6-Tribromophenol	330	11.201	11.202	-0.001	1649	0.0918	
$ 12 Terphenyl-d14	244	13.427	13.428	-0.001	15566	0.1105	
14 1,4-Dioxane	88	4.348	4.349	-0.001	9528	0.1000	
15 N-Nitrosodimethylamine	42	4.935	4.926	0.009	7166	0.1083	
17 Benzaldehyde	105	7.507	7.504	0.003	7180	0.1092	
18 Phenol	94	7.531	7.537	-0.006	12902	0.1091	
19 Aniline	93	7.594	7.595	-0.001	16142	0.1103	
20 Bis(2-chloroethyl)ether	93	7.637	7.633	0.004	11571	0.1000	
21 2-Chlorophenol	128	7.709	7.710	-0.001	10673	0.1064	
22 1,4-Dichlorobenzene	146	7.854	7.850	0.004	14879	0.1000	
23 1,3-Dichlorobenzene	146	7.916	7.917	-0.001	16026	0.1000	
24 Benzyl alcohol	79	8.003	8.004	-0.001	5616	0.1000	
25 1,2-Dichlorobenzene	146	8.060	8.061	-0.001	15643	0.1000	
26 2-Methylphenol	108	8.084	8.085	-0.001	8839	0.1023	
27 2,2'-oxybis[1-chloropropane]	45	8.113	8.114	-0.001	20556	0.1000	
28 3 & 4 Methylphenol	108	8.214	8.215	-0.001	10024	0.1068	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	8.229	8.234	-0.005	6412	0.1000	
30 Acetophenone	105	8.248	8.249	-0.001	14186	0.1075	
31 Hexachloroethane	117	8.368	8.364	0.004	4822	0.1084	
32 Nitrobenzene	77	8.411	8.412	-0.001	10383	0.1044	
33 Isophorone	82	8.604	8.605	-0.001	17553	0.1044	
35 2,4-Dimethylphenol	107	8.681	8.682	-0.001	10094	0.1047	
34 2-Nitrophenol	139	8.690	8.687	0.004	4595	0.0952	
37 Bis(2-chloroethoxy)methane	93	8.762	8.763	-0.001	12243	0.1000	
38 2,4-Dichlorophenol	162	8.888	8.888	0.000	8740	0.1103	
39 1,2,4-Trichlorobenzene	180	8.969	8.970	-0.001	11373	0.1000	
40 Alpha-Terpineol	59	9.017	9.018	-0.001	9392	0.1076	
41 Naphthalene	128	9.051	9.052	-0.001	38255	0.1000	
42 4-Chloroaniline	127	9.070	9.071	-0.001	14431	0.1000	
43 Hexachlorobutadiene	225	9.133	9.134	-0.001	5795	0.1000	
44 Caprolactam	55	9.340	9.360	-0.020	2905	0.1000	
45 4-Chloro-3-methylphenol	107	9.445	9.451	-0.006	6858	0.0963	
46 2-Methylnaphthalene	142	9.638	9.634	0.004	23047	0.1000	
47 1-Methylnaphthalene	142	9.724	9.725	-0.001	23741	0.1000	
48 Hexachlorocyclopentadiene	237	9.763	9.764	-0.001	2631	0.1000	
49 1,2,4,5-Tetrachlorobenzene	216	9.777	9.778	-0.001	9440	0.1000	
50 2,4,6-Trichlorophenol	196	9.859	9.860	-0.001	4414	0.1000	
51 2,4,5-Trichlorophenol	196	9.897	9.898	-0.001	4819	0.1000	
52 1,1'-Biphenyl	154	10.018	10.023	-0.005	28727	0.1053	
53 2-Chloronaphthalene	162	10.061	10.062	-0.001	25913	0.1046	
54 Phenyl ether	170	10.099	10.100	-0.001	15683	0.1000	
68 4-Nitroaniline	138	10.119	10.124	-0.005	4927	0.1000	
56 Dimethyl phthalate	163	10.239	10.240	-0.001	23785	0.1011	
57 2,6-Dinitrotoluene	165	10.306	10.312	-0.006	4547	0.0918	
58 Acenaphthylene	152	10.417	10.422	-0.005	29126	0.0946	
59 3-Nitroaniline	138	10.465	10.466	-0.001	3910	0.1000	
61 Acenaphthene	153	10.561	10.562	-0.001	22691	0.1017	
63 2,4-Dinitrotoluene	165	10.657	10.658	-0.001	4043	0.1000	
64 Dibenzofuran	168	10.705	10.706	-0.001	32455	0.1069	
65 2,3,4,6-Tetrachlorophenol	232	10.797	10.793	0.004	2457	0.1000	
66 Diethyl phthalate	149	10.821	10.826	-0.005	24956	0.1026	
67 4-Chlorophenyl phenyl ether	204	10.965	10.966	-0.001	10587	0.1012	
55 2-Nitroaniline	65	10.984	10.985	-0.001	3480	0.1000	
69 Fluorene	166	10.999	11.000	-0.001	23542	0.0991	
71 Diphenylamine	169	11.056	11.057	-0.001	18611	0.0967	
72 N-Nitrosodiphenylamine	169	11.056	11.057	-0.001	18611	0.0967	
74 Azobenzene	77	11.104	11.101	0.003	32868	0.0938	
73 1,2-Diphenylhydrazine	77	11.104	11.101	0.003	32868	0.0938	
13 Benzophenone	105	11.109	11.110	-0.001	17644	0.1000	
75 4-Bromophenyl phenyl ether	248	11.383	11.384	-0.001	6113	0.1079	
77 Atrazine	200	11.465	11.471	-0.006	4887	0.1000	
76 Hexachlorobenzene	284	11.470	11.471	-0.001	5584	0.1043	
79 Pentachloronitrobenzene	237	11.638	11.634	0.004	1877	0.0891	
80 Phenanthrene	178	11.821	11.822	-0.001	34493	0.1065	
81 Anthracene	178	11.869	11.865	0.004	28324	0.0969	
83 Carbazole	167	11.980	11.981	-0.001	25032	0.1009	
84 Di-n-butyl phthalate	149	12.206	12.207	-0.001	47435	0.1000	
87 Fluoranthene	202	12.999	13.000	-0.001	26416	0.0983	

Report Date: 22-Sep-2009 10:40:57 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10440.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
86 Benzidine	184	13.105	13.101	0.004	2603	0.1000	
85 Pyrene	202	13.302	13.303	-0.001	27702	0.1000	
89 Butyl benzyl phthalate	149	14.144	14.145	0.000	8817	0.0915	
92 Bis(2-ethylhexyl) phthalate	149	15.278	15.284	-0.006	13196	0.0977	
91 3,3'-Dichlorobenzidine	252	15.283	15.283	0.000	2443	0.1000	M
93 Benzo[a]anthracene	228	15.379	15.380	-0.001	12027	0.0978	
94 Chrysene	228	15.442	15.448	-0.006	12738	0.1038	
95 Di-n-octyl phthalate	149	16.336	16.337	-0.001	10548	0.1000	
97 Benzo[b]fluoranthene	252	17.115	17.121	-0.006	9597	0.1055	
98 Benzo[k]fluoranthene	252	17.163	17.169	-0.006	8652	0.1045	
99 Benzo[a]pyrene	252	17.736	17.737	-0.001	5962	0.0981	
100 Indeno[1,2,3-cd]pyrene	276	20.270	20.276	-0.006	6232	0.1000	
101 Dibenz(a,h)anthracene	278	20.304	20.295	0.009	5081	0.1000	
102 Benzo[g,h,i]perylene	276	21.006	21.002	0.004	6579	0.1000	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 22-Sep-2009 10:40:58 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10440.D

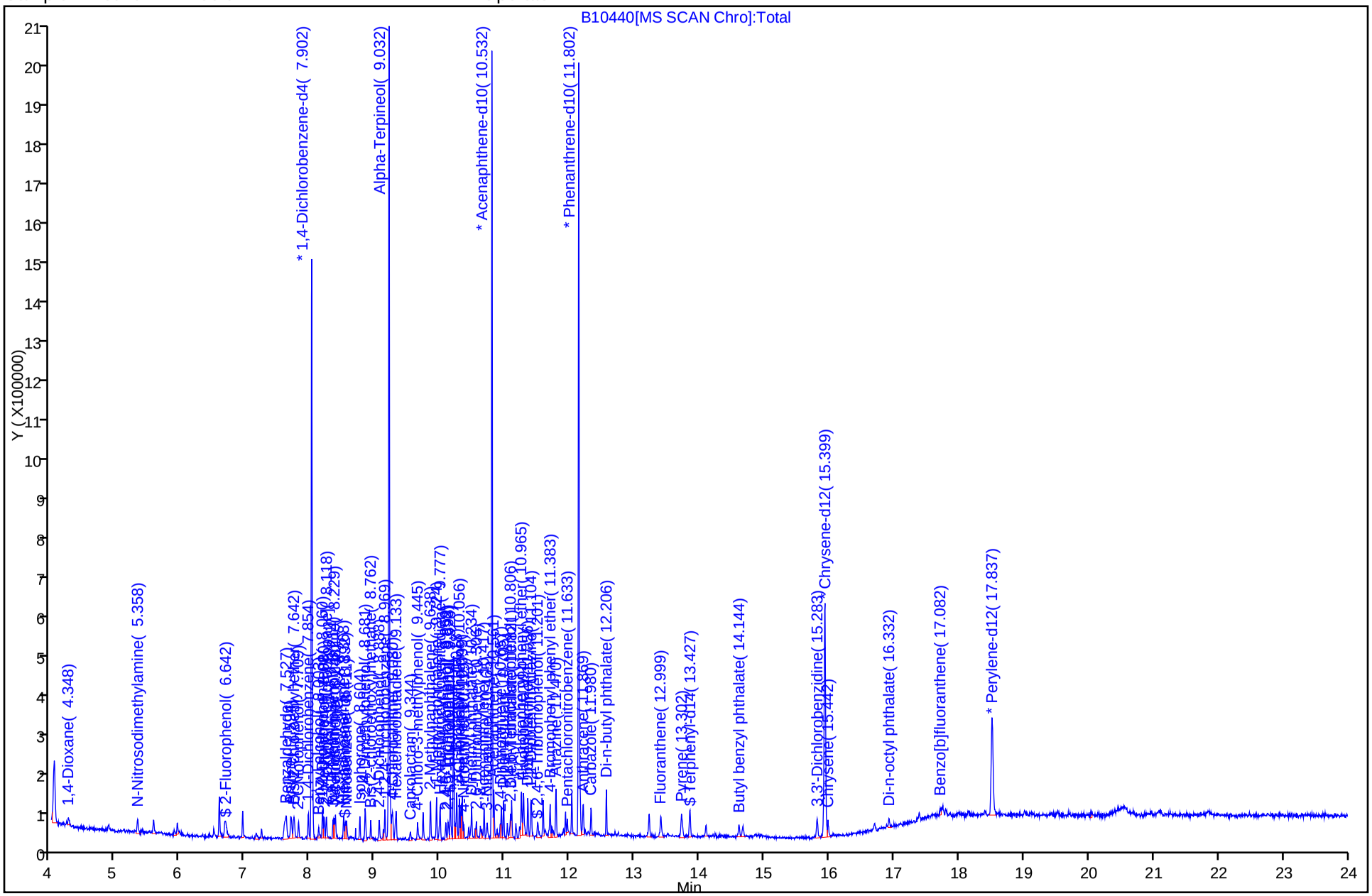
Inj Date: 21-Sep-2009 15:55:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 3

Client ID: Instrument: Inst. B

Sample Info: std01

Sample Amount: 1.00 ul Operator: MZ



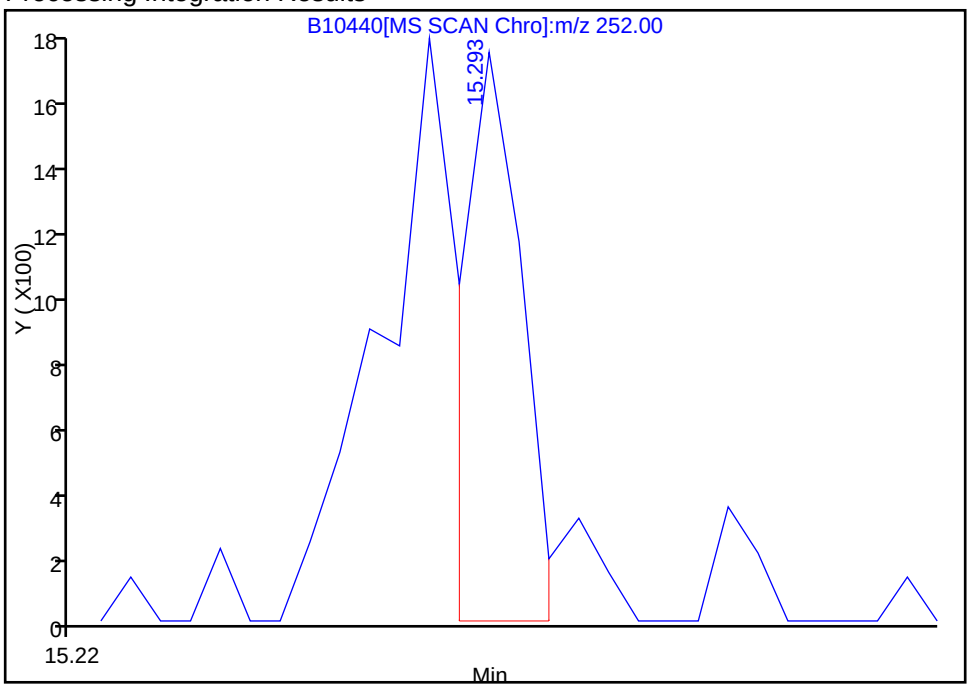
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10440.D		
Inj Date:	21-Sep-2009 15:55:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

91 3,3'-Dichlorobenzidine, Number: 1, m/z: 252 Type: quant, RT: 15.28

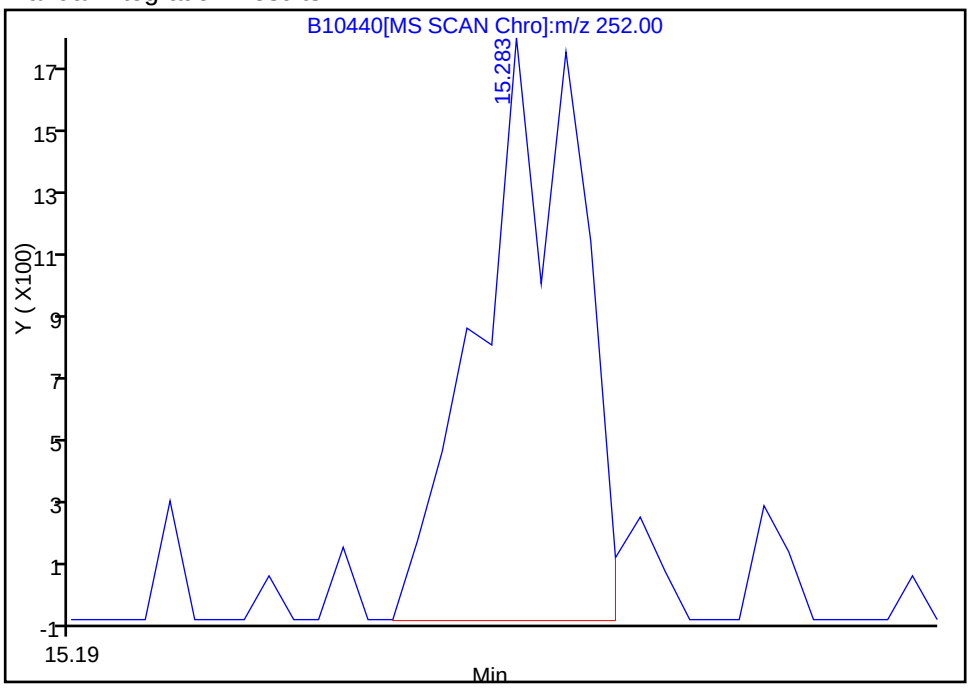
Processing Integration Results

RT: 15.29
Response: 1194
Amount: 0.100000



Manual Integration Results

RT: 15.28
Response: 2443
Amount: 0.100000



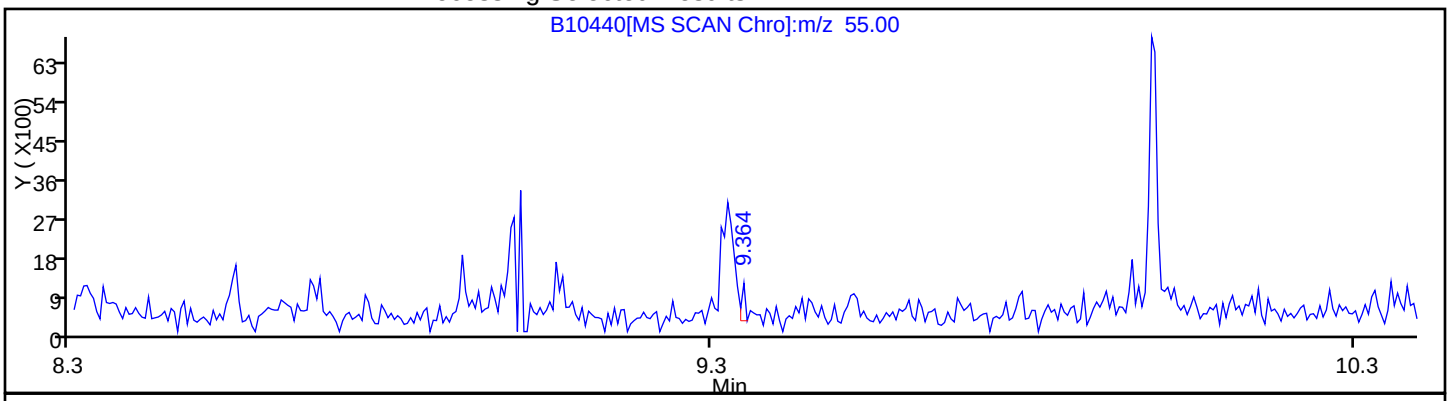
Reviewer: sullivanp, 22-Sep-2009 10:40:56
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

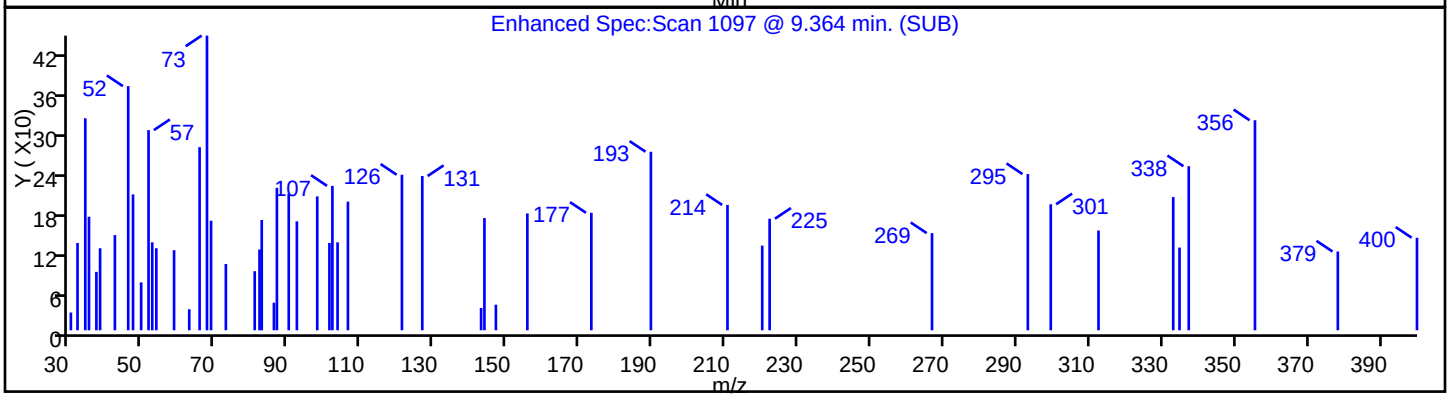
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10440.D		
Inj Date:	21-Sep-2009 15:55:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

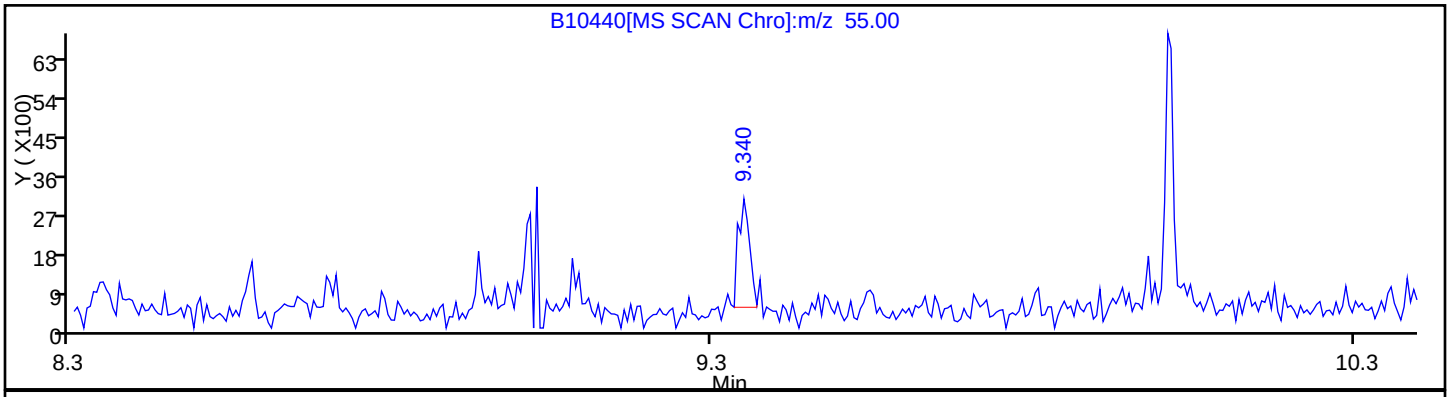
44 Caprolactam

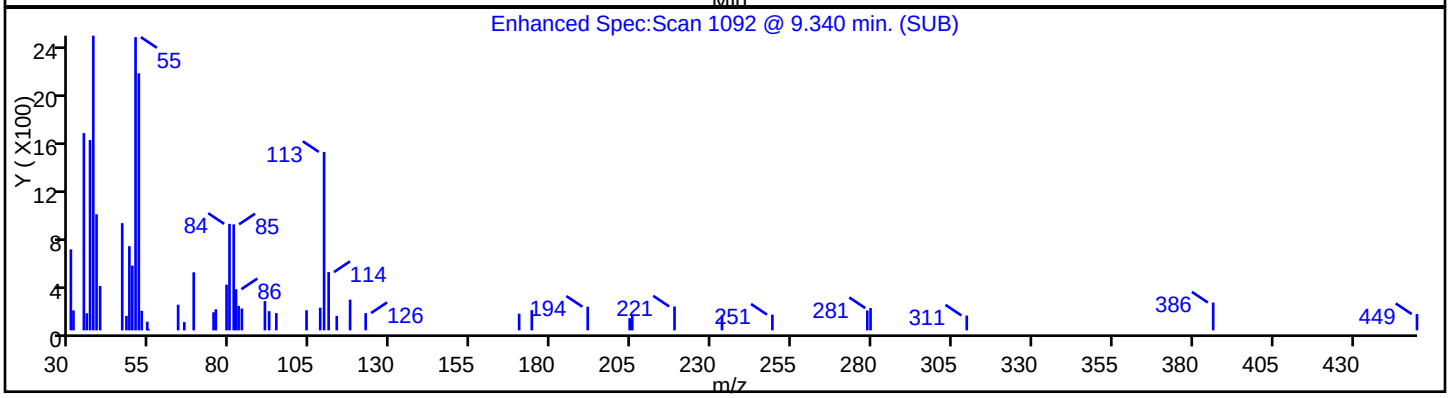
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 22-Sep-2009 10:40:56
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10441.D		
Lims ID:	std025	Client ID:	
Inject. Date:	21-Sep-2009 16:25:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	std025		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	49265	Lims Sample ID:	4
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 10:42:16	Calib Date:	21-Sep-2009 16:25:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10441.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 10:42:16

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.901	7.903	-0.002	380629	2.00	
* 2 Naphthalene-d8	136	9.031	9.033	-0.002	920960	2.00	
* 3 Acenaphthene-d10	164	10.531	10.533	-0.002	450790	2.00	
* 4 Phenanthrene-d10	188	11.801	11.803	-0.002	727260	2.00	
* 5 Chrysene-d12	240	15.398	15.400	-0.002	399430	2.00	
* 6 Perylene-d12	264	17.841	17.842	-0.001	230642	2.00	
$ 7 2-Fluorophenol	112	6.631	6.633	-0.002	25114	0.2460	
$ 8 Phenol-d5	99	7.521	7.523	-0.002	32911	0.2680	
$ 9 Nitrobenzene-d5	82	8.391	8.393	-0.002	30908	0.2547	
$ 10 2-Fluorobiphenyl	172	9.925	9.927	-0.002	71350	0.2457	
$ 11 2,4,6-Tribromophenol	330	11.200	11.202	-0.002	3838	0.2043	
$ 12 Terphenyl-d14	244	13.426	13.428	-0.002	44513	0.2359	
14 1,4-Dioxane	88	4.352	4.349	0.003	16660	0.2702	
15 N-Nitrosodimethylamine	42	4.934	4.926	0.008	19024	0.2538	
17 Benzaldehyde	105	7.507	7.504	0.003	18326	0.2485	
18 Phenol	94	7.531	7.537	-0.006	34199	0.2547	
19 Aniline	93	7.593	7.595	-0.002	39834	0.2446	
20 Bis(2-chloroethyl)ether	93	7.636	7.633	0.003	29080	0.2535	
21 2-Chlorophenol	128	7.709	7.710	-0.001	29976	0.2603	
22 1,4-Dichlorobenzene	146	7.853	7.850	0.003	38339	0.2573	
23 1,3-Dichlorobenzene	146	7.915	7.917	-0.002	40400	0.2652	
24 Benzyl alcohol	79	8.002	8.004	-0.002	17322	0.2353	
25 1,2-Dichlorobenzene	146	8.060	8.061	-0.001	37555	0.2631	
26 2-Methylphenol	108	8.084	8.085	-0.001	26504	0.2647	
27 2,2'-oxybis[1-chloropropane]	45	8.112	8.114	-0.002	55482	0.2649	
28 3 & 4 Methylphenol	108	8.213	8.215	-0.002	28223	0.2613	
29 N-Nitrosodi-n-propylamine	70	8.228	8.234	-0.006	18777	0.2567	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	8.247	8.249	-0.002	39085	0.2587	
31 Hexachloroethane	117	8.367	8.364	0.003	13222	0.2594	
32 Nitrobenzene	77	8.411	8.412	-0.001	31325	0.2689	
33 Isophorone	82	8.603	8.605	-0.002	45790	0.2442	
35 2,4-Dimethylphenol	107	8.680	8.682	-0.002	27641	0.2528	
34 2-Nitrophenol	139	8.690	8.687	0.004	13042	0.2429	
37 Bis(2-chloroethoxy)methane	93	8.762	8.763	-0.001	31032	0.2546	
38 2,4-Dichlorophenol	162	8.887	8.888	-0.001	22031	0.2478	
39 1,2,4-Trichlorobenzene	180	8.968	8.970	-0.002	30337	0.2794	
40 Alpha-Terpineol	59	9.017	9.018	-0.001	24414	0.2487	
41 Naphthalene	128	9.050	9.052	-0.002	104521	0.2856	
42 4-Chloroaniline	127	9.069	9.071	-0.002	39569	0.2631	
43 Hexachlorobutadiene	225	9.137	9.134	0.003	15183	0.2715	
44 Caprolactam	55	9.344	9.360	-0.016	8442	0.2286	
45 4-Chloro-3-methylphenol	107	9.449	9.451	-0.002	21688	0.2630	
46 2-Methylnaphthalene	142	9.637	9.634	0.003	63911	0.2670	
47 1-Methylnaphthalene	142	9.723	9.725	-0.002	62699	0.2624	
48 Hexachlorocyclopentadiene	237	9.762	9.764	-0.002	8330	0.2268	
49 1,2,4,5-Tetrachlorobenzene	216	9.776	9.778	-0.002	25985	0.2843	
50 2,4,6-Trichlorophenol	196	9.863	9.860	0.003	13120	0.2312	
51 2,4,5-Trichlorophenol	196	9.897	9.898	-0.001	14826	0.2448	
52 1,1'-Biphenyl	154	10.022	10.023	-0.001	80985	0.2590	
53 2-Chloronaphthalene	162	10.060	10.062	-0.002	68361	0.2466	
54 Phenyl ether	170	10.103	10.100	0.003	40692	0.2715	
68 4-Nitroaniline	138	10.123	10.124	-0.001	13647	0.2172	
56 Dimethyl phthalate	163	10.238	10.240	-0.002	64796	0.2464	
57 2,6-Dinitrotoluene	165	10.305	10.312	-0.007	13034	0.2389	
58 Acenaphthylene	152	10.421	10.422	-0.001	86836	0.2504	
59 3-Nitroaniline	138	10.464	10.466	-0.002	11663	0.2315	
61 Acenaphthene	153	10.560	10.562	-0.002	64419	0.2543	
63 2,4-Dinitrotoluene	165	10.656	10.658	-0.002	13764	0.2304	
64 Dibenzofuran	168	10.704	10.706	-0.002	82751	0.2447	
65 2,3,4,6-Tetrachlorophenol	232	10.796	10.793	0.003	8287	0.2216	
66 Diethyl phthalate	149	10.820	10.826	-0.006	67725	0.2482	
67 4-Chlorophenyl phenyl ether	204	10.964	10.966	-0.002	30207	0.2543	
55 2-Nitroaniline	65	10.983	10.985	-0.002	10902	0.2178	
69 Fluorene	166	10.998	11.000	-0.002	68939	0.2552	
71 Diphenylamine	169	11.060	11.057	0.003	54149	0.2462	
72 N-Nitrosodiphenylamine	169	11.060	11.057	0.003	54149	0.2462	
74 Azobenzene	77	11.099	11.101	-0.002	95862	0.2415	
73 1,2-Diphenylhydrazine	77	11.099	11.101	-0.002	95862	0.2415	
13 Benzophenone	105	11.108	11.110	-0.002	56366	0.2469	
75 4-Bromophenyl phenyl ether	248	11.382	11.384	-0.002	15981	0.2466	
77 Atrazine	200	11.469	11.471	-0.002	13925	0.2284	
76 Hexachlorobenzene	284	11.469	11.471	-0.002	15660	0.2527	
79 Pentachloronitrobenzene	237	11.637	11.634	0.003	5127	0.2228	
80 Phenanthrene	178	11.820	11.822	-0.002	94703	0.2526	
81 Anthracene	178	11.863	11.865	-0.002	84119	0.2499	
83 Carbazole	167	11.979	11.981	-0.002	70279	0.2473	
84 Di-n-butyl phthalate	149	12.205	12.207	-0.002	111150	0.2360	
87 Fluoranthene	202	13.003	13.000	0.003	74587	0.2439	
86 Benzidine	184	13.099	13.101	-0.002	5408	0.1759	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
85 Pyrene	202	13.301	13.303	-0.002	80094	0.2403	
89 Butyl benzyl phthalate	149	14.143	14.145	-0.001	27592	0.2203	
91 3,3'-Dichlorobenzidine	252	15.287	15.283	0.004	8512	0.2112	
92 Bis(2-ethylhexyl) phthalate	149	15.282	15.284	-0.002	31562	0.1927	
93 Benzo[a]anthracene	228	15.379	15.380	-0.001	39575	0.2389	
94 Chrysene	228	15.441	15.448	-0.007	42993	0.2530	
95 Di-n-octyl phthalate	149	16.340	16.337	0.003	35078	0.1901	
97 Benzo[b]fluoranthene	252	17.119	17.121	-0.002	31557	0.2324	
98 Benzo[k]fluoranthene	252	17.167	17.169	-0.002	29326	0.2357	
99 Benzo[a]pyrene	252	17.735	17.737	-0.002	19919	0.2232	
100 Indeno[1,2,3-cd]pyrene	276	20.269	20.276	-0.007	15614	0.2013	
101 Dibenz(a,h)anthracene	278	20.293	20.295	-0.002	14544	0.2245	
102 Benzo[g,h,i]perylene	276	20.995	21.002	-0.007	17014	0.2277	

Report Date: 22-Sep-2009 10:42:17 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10441.D

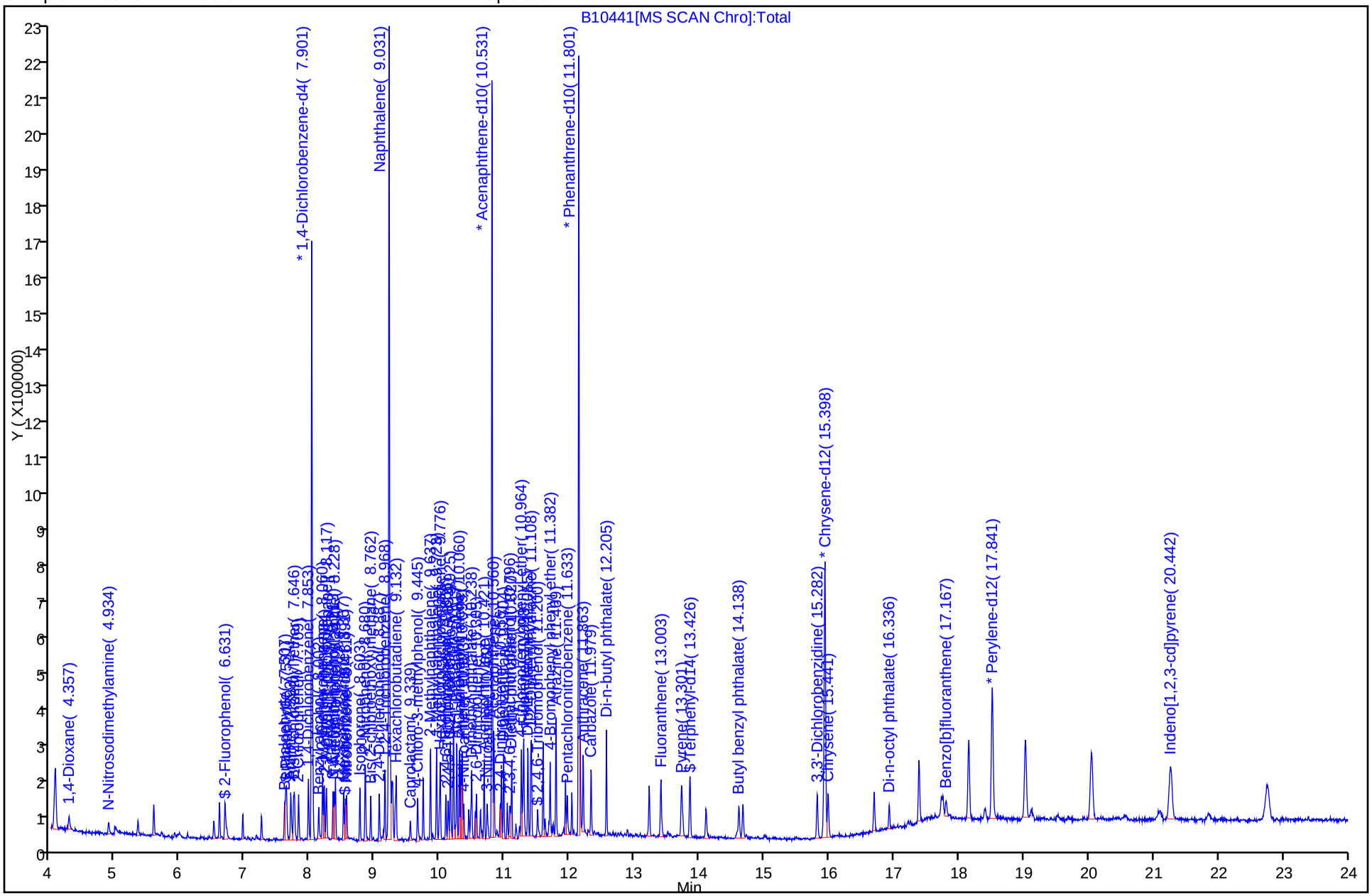
Inj Date: 21-Sep-2009 16:25:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 4

Client ID: Instrument: Inst. B

Sample Info: std025

Sample Amount: 1.00 ul Operator: MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10442.D		
Lims ID:	std05	Client ID:	
Inject. Date:	21-Sep-2009 16:56:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	std05		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	49265	Lims Sample ID:	5
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 10:43:48	Calib Date:	21-Sep-2009 16:56:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10442.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 10:43:48

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.900	7.903	-0.003	334716	2.00	
* 2 Naphthalene-d8	136	9.030	9.033	-0.003	794195	2.00	
* 3 Acenaphthene-d10	164	10.536	10.533	0.003	374562	2.00	
* 4 Phenanthrene-d10	188	11.800	11.803	-0.003	596169	2.00	
* 5 Chrysene-d12	240	15.397	15.400	-0.003	304916	2.00	
* 6 Perylene-d12	264	17.840	17.842	-0.002	157555	2.00	
$ 7 2-Fluorophenol	112	6.631	6.633	-0.002	48827	0.5322	
$ 8 Phenol-d5	99	7.520	7.523	-0.003	55531	0.5107	
$ 9 Nitrobenzene-d5	82	8.391	8.393	-0.002	52136	0.4986	
$ 10 2-Fluorobiphenyl	172	9.925	9.927	-0.002	123243	0.5080	
$ 11 2,4,6-Tribromophenol	330	11.199	11.202	-0.003	6467	0.4011	
$ 12 Terphenyl-d14	244	13.426	13.428	-0.002	75406	0.5174	
14 1,4-Dioxane	88	4.342	4.349	-0.007	22101	0.5115	
15 N-Nitrosodimethylamine	42	4.928	4.926	0.002	31778	0.4864	
16 Pyridine	79	4.991	4.960	0.031	28229	0.5000	
17 Benzaldehyde	105	7.506	7.504	0.002	30601	0.4786	
18 Phenol	94	7.530	7.537	-0.007	58916	0.4992	
19 Aniline	93	7.593	7.595	-0.002	70739	0.4955	
20 Bis(2-chloroethyl)ether	93	7.636	7.633	0.003	51100	0.5050	
21 2-Chlorophenol	128	7.708	7.710	-0.002	50248	0.4971	
22 1,4-Dichlorobenzene	146	7.852	7.850	0.002	69270	0.5213	
23 1,3-Dichlorobenzene	146	7.915	7.917	-0.002	70687	0.5086	
24 Benzyl alcohol	79	8.001	8.004	-0.003	32624	0.5084	
25 1,2-Dichlorobenzene	146	8.059	8.061	-0.002	64589	0.5385	
26 2-Methylphenol	108	8.083	8.085	-0.002	45729	0.5144	
27 2,2'-oxybis[1-chloropropane]	45	8.117	8.114	0.003	95039	0.5119	
28 3 & 4 Methylphenol	108	8.213	8.215	-0.002	46398	0.4913	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	8.232	8.234	-0.002	32851	0.5080	
30 Acetophenone	105	8.247	8.249	-0.002	67848	0.5080	
31 Hexachloroethane	117	8.367	8.364	0.003	22775	0.5060	
32 Nitrobenzene	77	8.410	8.412	-0.002	53954	0.5273	
33 Isophorone	82	8.602	8.605	-0.003	82265	0.5066	
35 2,4-Dimethylphenol	107	8.679	8.682	-0.003	49804	0.5208	
34 2-Nitrophenol	139	8.689	8.687	0.003	24889	0.5277	
37 Bis(2-chloroethoxy)methane	93	8.761	8.763	-0.002	56672	0.5289	
38 2,4-Dichlorophenol	162	8.886	8.888	-0.002	39448	0.5108	
39 1,2,4-Trichlorobenzene	180	8.968	8.970	-0.002	52390	0.5243	
40 Alpha-Terpineol	59	9.016	9.018	-0.002	41538	0.4930	
41 Naphthalene	128	9.050	9.052	-0.002	176114	0.5211	
42 4-Chloroaniline	127	9.069	9.071	-0.002	63918	0.4946	
43 Hexachlorobutadiene	225	9.136	9.134	0.002	25820	0.5136	
44 Caprolactam	55	9.343	9.360	-0.017	14031	0.4574	
45 4-Chloro-3-methylphenol	107	9.449	9.451	-0.002	36934	0.5144	
46 2-Methylnaphthalene	142	9.636	9.634	0.002	113623	0.5370	
47 1-Methylnaphthalene	142	9.723	9.725	-0.002	106129	0.5112	
48 Hexachlorocyclopentadiene	237	9.761	9.764	-0.003	13184	0.4053	
49 1,2,4,5-Tetrachlorobenzene	216	9.776	9.778	-0.002	44063	0.5232	
50 2,4,6-Trichlorophenol	196	9.862	9.860	0.002	24181	0.5139	
51 2,4,5-Trichlorophenol	196	9.896	9.898	-0.002	25029	0.4980	
52 1,1'-Biphenyl	154	10.021	10.023	-0.002	128651	0.4963	
53 2-Chloronaphthalene	162	10.059	10.062	-0.003	116016	0.5028	
54 Phenyl ether	170	10.103	10.100	0.003	69782	0.5161	
68 4-Nitroaniline	138	10.122	10.124	-0.002	23847	0.4239	
56 Dimethyl phthalate	163	10.237	10.240	-0.003	112596	0.5115	
57 2,6-Dinitrotoluene	165	10.305	10.312	-0.007	22938	0.5045	
58 Acenaphthylene	152	10.420	10.422	-0.002	153049	0.5230	
59 3-Nitroaniline	138	10.463	10.466	-0.003	21539	0.5152	
61 Acenaphthene	153	10.564	10.562	0.002	104977	0.4990	
62 4-Nitrophenol	109	10.560	10.562	-0.002	6288	0.5000	
63 2,4-Dinitrotoluene	165	10.656	10.658	-0.002	23120	0.4272	
64 Dibenzofuran	168	10.704	10.706	-0.002	137345	0.4916	
65 2,3,4,6-Tetrachlorophenol	232	10.795	10.793	0.002	15479	0.4389	
66 Diethyl phthalate	149	10.819	10.826	-0.007	114149	0.5025	
67 4-Chlorophenyl phenyl ether	204	10.964	10.966	-0.002	52477	0.5234	
55 2-Nitroaniline	65	10.983	10.985	-0.002	19933	0.4272	
69 Fluorene	166	10.997	11.000	-0.003	112818	0.5019	
70 4,6-Dinitro-2-methylphenol	198	11.002	11.004	-0.002	2936	0.5000	
71 Diphenylamine	169	11.055	11.057	-0.002	93721	0.5147	
72 N-Nitrosodiphenylamine	169	11.055	11.057	-0.002	93721	0.5147	
74 Azobenzene	77	11.103	11.101	0.002	165113	0.5056	
73 1,2-Diphenylhydrazine	77	11.103	11.101	0.002	165113	0.5056	
13 Benzophenone	105	11.108	11.110	-0.002	98764	0.5206	
75 4-Bromophenyl phenyl ether	248	11.382	11.384	-0.002	25890	0.4904	
77 Atrazine	200	11.468	11.471	-0.003	24268	0.4891	
76 Hexachlorobenzene	284	11.468	11.471	-0.003	25276	0.4981	
78 Pentachlorophenol	266	11.622	11.625	-0.003	3566	0.5000	
79 Pentachloronitrobenzene	237	11.632	11.634	-0.002	9167	0.4894	
80 Phenanthrene	178	11.824	11.822	0.002	152519	0.4972	
81 Anthracene	178	11.868	11.865	0.003	133154	0.4868	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.983	11.981	0.002	113874	0.4916	
84 Di-n-butyl phthalate	149	12.204	12.207	-0.003	170809	0.4555	
87 Fluoranthene	202	13.002	13.000	0.002	124230	0.4967	
86 Benzidine	184	13.103	13.101	0.002	11149	0.4006	
85 Pyrene	202	13.301	13.303	-0.002	127315	0.5004	
89 Butyl benzyl phthalate	149	14.142	14.145	-0.002	43492	0.4654	
91 3,3'-Dichlorobenzidine	252	15.291	15.291	0.000	12846	0.3848	M
92 Bis(2-ethylhexyl) phthalate	149	15.287	15.284	0.003	46793	0.4064	
93 Benzo[a]anthracene	228	15.378	15.380	-0.002	62150	0.4936	
94 Chrysene	228	15.445	15.448	-0.003	66141	0.5073	
95 Di-n-octyl phthalate	149	16.335	16.337	-0.002	48497	0.3858	
97 Benzo[b]fluoranthene	252	17.119	17.121	-0.002	46761	0.5030	
98 Benzo[k]fluoranthene	252	17.172	17.169	0.003	39879	0.4765	
99 Benzo[a]pyrene	252	17.739	17.737	0.002	27498	0.4624	
100 Indeno[1,2,3-cd]pyrene	276	20.264	20.276	-0.012	21136	0.4249	
101 Dibenz(a,h)anthracene	278	20.302	20.295	0.007	16700	0.4091	
102 Benzo[g,h,i]perylene	276	21.004	21.002	0.002	19170	0.4291	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 22-Sep-2009 10:43:49 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10442.D

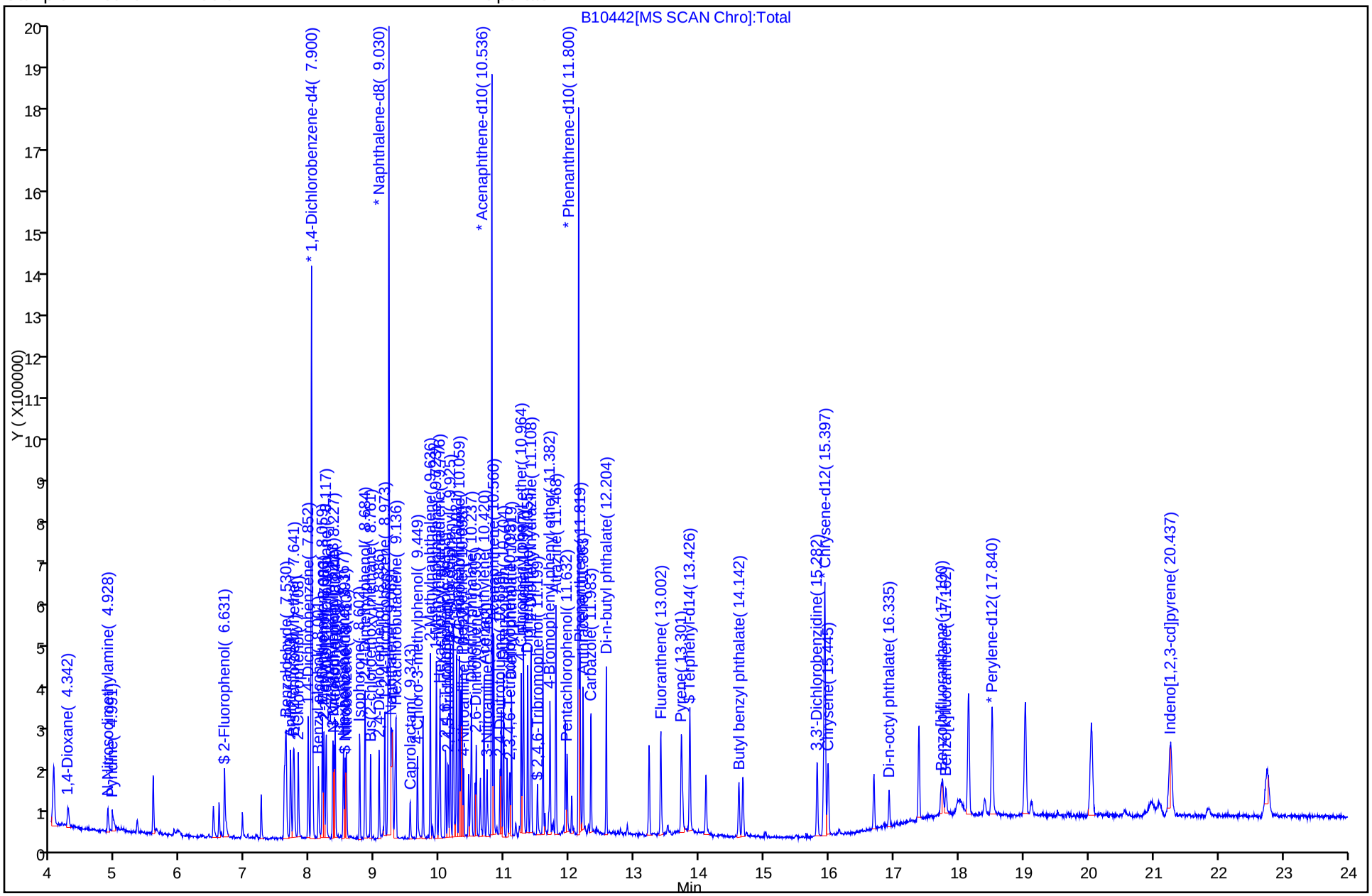
Inj Date: 21-Sep-2009 16:56:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 5

Client ID: Instrument: Inst. B

Sample Info: std05

Sample Amount: 1.00 ul Operator: MZ



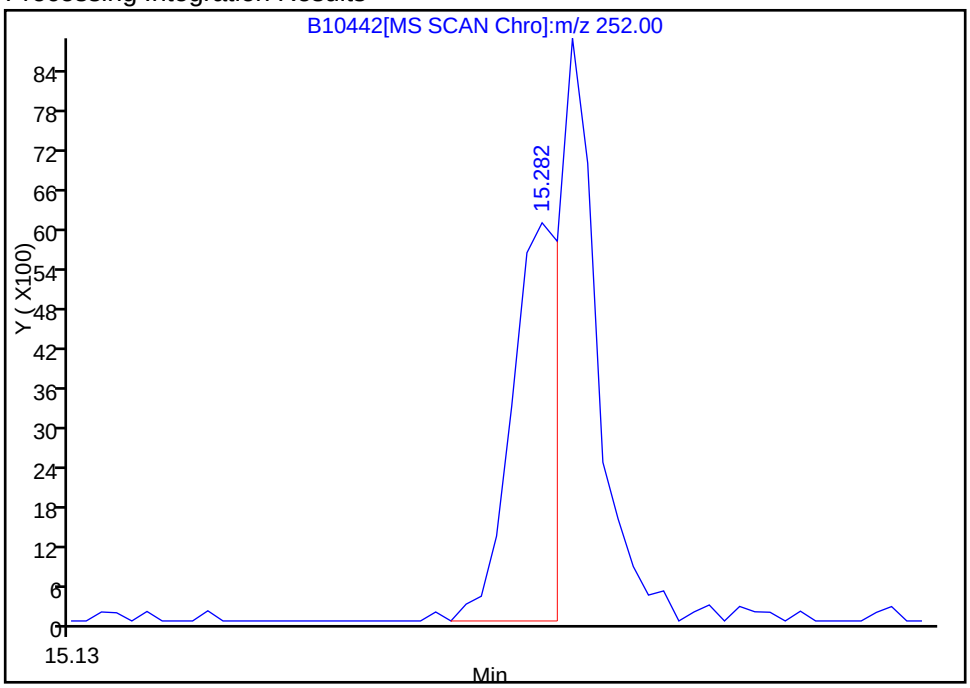
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10442.D		
Inj Date:	21-Sep-2009 16:56:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	std05		
Sample Amount:	1.00 ul	Operator:	MZ

91 3,3'-Dichlorobenzidine, Number: 1, m/z: 252 Type: quant, RT: 15.29

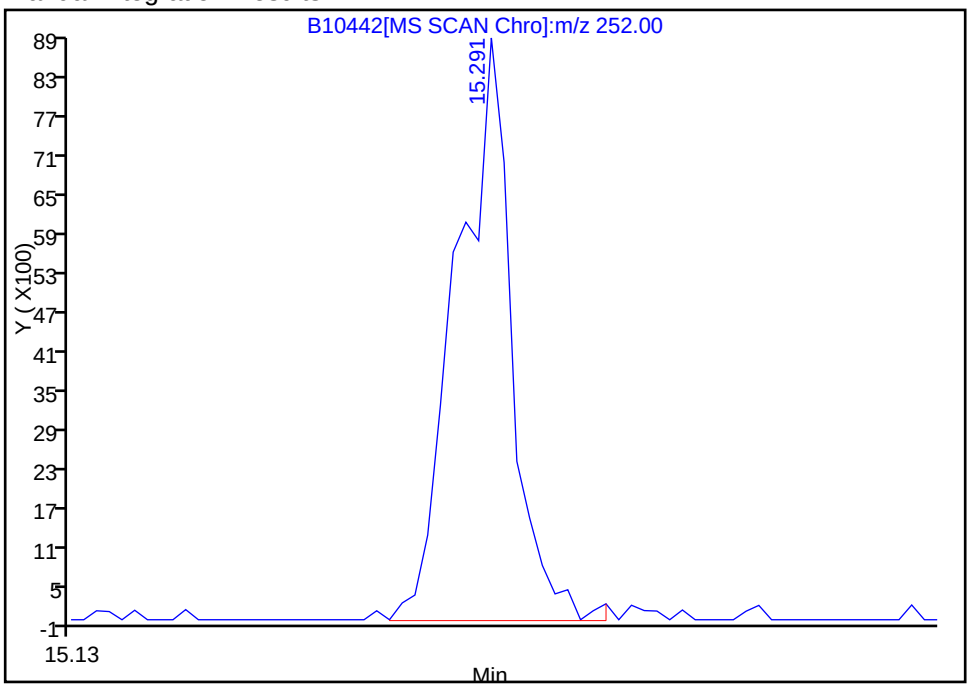
Processing Integration Results

RT: 15.28
Response: 6500
Amount: 0.310117



Manual Integration Results

RT: 15.29
Response: 12846
Amount: 0.384804



Reviewer: sullivanp, 22-Sep-2009 10:43:48
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10443.D		
Lims ID:	std1	Client ID:	
Inject. Date:	21-Sep-2009 17:27:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	std1		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	49265	Lims Sample ID:	6
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 10:44:59	Calib Date:	21-Sep-2009 17:27:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10443.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 10:44:59

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.902	7.903	-0.001	415904	2.00	
* 2 Naphthalene-d8	136	9.032	9.033	-0.001	992723	2.00	
* 3 Acenaphthene-d10	164	10.532	10.533	-0.001	461181	2.00	
* 4 Phenanthrene-d10	188	11.802	11.803	-0.001	751049	2.00	
* 5 Chrysene-d12	240	15.399	15.400	-0.001	402401	2.00	
* 6 Perylene-d12	264	17.837	17.842	-0.005	215456	2.00	
$ 7 2-Fluorophenol	112	6.632	6.633	-0.001	122192	1.06	
$ 8 Phenol-d5	99	7.522	7.523	-0.001	140770	1.03	
$ 9 Nitrobenzene-d5	82	8.392	8.393	-0.001	136156	1.03	
$ 10 2-Fluorobiphenyl	172	9.926	9.927	-0.001	296470	0.99	
$ 11 2,4,6-Tribromophenol	330	11.201	11.202	-0.001	19113	0.8972	
$ 12 Terphenyl-d14	244	13.427	13.428	-0.001	194867	1.01	
14 1,4-Dioxane	88	4.358	4.349	0.009	49845	1.07	
15 N-Nitrosodimethylamine	42	4.930	4.926	0.004	81505	1.00	
16 Pyridine	79	4.978	4.960	0.018	101595	1.11	
17 Benzaldehyde	105	7.503	7.504	-0.001	78497	0.99	
18 Phenol	94	7.531	7.537	-0.006	147702	1.01	
19 Aniline	93	7.594	7.595	-0.001	181728	1.02	
20 Bis(2-chloroethyl)ether	93	7.637	7.633	0.004	123714	0.9871	
21 2-Chlorophenol	128	7.709	7.710	-0.001	130202	1.03	
22 1,4-Dichlorobenzene	146	7.854	7.850	0.004	159335	0.9717	
23 1,3-Dichlorobenzene	146	7.916	7.917	-0.001	167645	0.9765	
24 Benzyl alcohol	79	8.003	8.004	-0.001	91741	1.12	
25 1,2-Dichlorobenzene	146	8.060	8.061	-0.001	155260	0.9688	
26 2-Methylphenol	108	8.084	8.085	-0.001	115632	1.04	
27 2,2'-oxybis[1-chloropropane]	45	8.113	8.114	-0.001	228793	0.99	
28 3 & 4 Methylphenol	108	8.214	8.215	-0.001	117322	1.00	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	8.229	8.234	-0.005	84194	1.04	
30 Acetophenone	105	8.248	8.249	-0.001	170449	1.02	
31 Hexachloroethane	117	8.368	8.364	0.004	57356	1.02	
32 Nitrobenzene	77	8.407	8.412	-0.005	139739	1.07	
33 Isophorone	82	8.604	8.605	-0.001	213268	1.04	
35 2,4-Dimethylphenol	107	8.681	8.682	-0.001	120821	1.01	
34 2-Nitrophenol	139	8.686	8.687	0.000	65849	1.09	
36 Benzoic acid	105	8.705	8.705	0.000	2416	1.00	M
37 Bis(2-chloroethoxy)methane	93	8.762	8.763	-0.001	137958	1.02	
38 2,4-Dichlorophenol	162	8.887	8.888	-0.001	100590	1.03	
39 1,2,4-Trichlorobenzene	180	8.969	8.970	-0.001	126724	1.01	
40 Alpha-Terpineol	59	9.017	9.018	-0.001	111115	1.04	
41 Naphthalene	128	9.051	9.052	-0.001	423173	1.00	
42 4-Chloroaniline	127	9.070	9.071	-0.001	171999	1.05	
43 Hexachlorobutadiene	225	9.138	9.134	0.004	62784	1.00	
44 Caprolactam	55	9.344	9.360	-0.016	42965	1.09	
45 4-Chloro-3-methylphenol	107	9.450	9.451	-0.001	100405	1.09	
46 2-Methylnaphthalene	142	9.638	9.634	0.004	276524	1.04	
47 1-Methylnaphthalene	142	9.724	9.725	-0.001	266253	1.02	
48 Hexachlorocyclopentadiene	237	9.763	9.764	-0.001	42415	0.9729	
49 1,2,4,5-Tetrachlorobenzene	216	9.777	9.778	-0.001	107954	1.02	
50 2,4,6-Trichlorophenol	196	9.859	9.860	-0.001	65530	1.10	
51 2,4,5-Trichlorophenol	196	9.893	9.898	-0.005	68597	1.09	
52 1,1'-Biphenyl	154	10.022	10.023	-0.001	320583	1.00	
53 2-Chloronaphthalene	162	10.061	10.062	-0.001	290694	1.02	
54 Phenyl ether	170	10.099	10.100	-0.001	176095	1.03	
68 4-Nitroaniline	138	10.123	10.124	-0.001	69885	0.9482	
56 Dimethyl phthalate	163	10.239	10.240	-0.001	283661	1.04	
57 2,6-Dinitrotoluene	165	10.306	10.312	-0.006	62203	1.09	
58 Acenaphthylene	152	10.421	10.422	-0.001	386275	1.06	
59 3-Nitroaniline	138	10.465	10.466	-0.001	58410	1.11	
60 2,4-Dinitrophenol	184	10.551	10.552	-0.001	7510	1.00	
61 Acenaphthene	153	10.561	10.562	-0.001	262691	1.01	
62 4-Nitrophenol	109	10.561	10.562	-0.001	19187	0.8744	
63 2,4-Dinitrotoluene	165	10.652	10.658	-0.006	69164	0.9631	
64 Dibenzofuran	168	10.705	10.706	-0.001	346792	1.01	
65 2,3,4,6-Tetrachlorophenol	232	10.797	10.793	0.004	44953	0.9568	
66 Diethyl phthalate	149	10.821	10.826	-0.005	280823	1.00	
67 4-Chlorophenyl phenyl ether	204	10.965	10.966	-0.001	125395	1.01	
55 2-Nitroaniline	65	10.984	10.985	-0.001	58386	0.9405	
69 Fluorene	166	10.999	11.000	-0.001	284973	1.02	
70 4,6-Dinitro-2-methylphenol	198	11.003	11.004	-0.001	15341	0.8990	
71 Diphenylamine	169	11.056	11.057	-0.001	235860	1.02	
72 N-Nitrosodiphenylamine	169	11.056	11.057	-0.001	235860	1.02	
74 Azobenzene	77	11.100	11.101	-0.001	438723	1.05	
73 1,2-Diphenylhydrazine	77	11.100	11.101	-0.001	438723	1.05	
13 Benzophenone	105	11.109	11.110	-0.001	258663	1.06	
75 4-Bromophenyl phenyl ether	248	11.383	11.384	-0.001	66727	1.00	
77 Atrazine	200	11.470	11.471	-0.001	68273	1.07	
76 Hexachlorobenzene	284	11.470	11.471	-0.001	63674	1.00	
78 Pentachlorophenol	266	11.624	11.625	-0.001	12490	0.8700	
79 Pentachloronitrobenzene	237	11.638	11.634	0.004	25435	1.06	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.821	11.822	-0.001	380489	0.9877	
81 Anthracene	178	11.864	11.865	-0.001	349778	1.01	
83 Carbazole	167	11.980	11.981	-0.001	301750	1.03	
84 Di-n-butyl phthalate	149	12.206	12.207	-0.001	426926	0.9215	
87 Fluoranthene	202	12.999	13.000	-0.001	315577	1.00	
86 Benzidine	184	13.100	13.101	-0.001	41144	0.9235	
85 Pyrene	202	13.302	13.303	-0.001	329384	0.9847	
89 Butyl benzyl phthalate	149	14.139	14.145	-0.005	131754	1.05	
92 Bis(2-ethylhexyl) phthalate	149	15.283	15.284	-0.001	158020	0.9215	
91 3,3'-Dichlorobenzidine	252	15.288	15.291	-0.003	42142	0.9012	
93 Benzo[a]anthracene	228	15.379	15.380	-0.001	175319	1.04	
94 Chrysene	228	15.442	15.448	-0.006	163980	0.9621	
95 Di-n-octyl phthalate	149	16.336	16.337	-0.001	193411	0.8901	
97 Benzo[b]fluoranthene	252	17.115	17.121	-0.006	130891	1.02	
98 Benzo[k]fluoranthene	252	17.163	17.169	-0.006	117343	1.02	
99 Benzo[a]pyrene	252	17.731	17.737	-0.006	80622	0.99	
100 Indeno[1,2,3-cd]pyrene	276	20.260	20.276	-0.016	65872	0.9789	
101 Dibenz(a,h)anthracene	278	20.294	20.295	-0.001	53534	0.9818	
102 Benzo[g,h,i]perylene	276	21.006	21.002	0.004	58369	1.02	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 22-Sep-2009 10:44:59 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10443.D

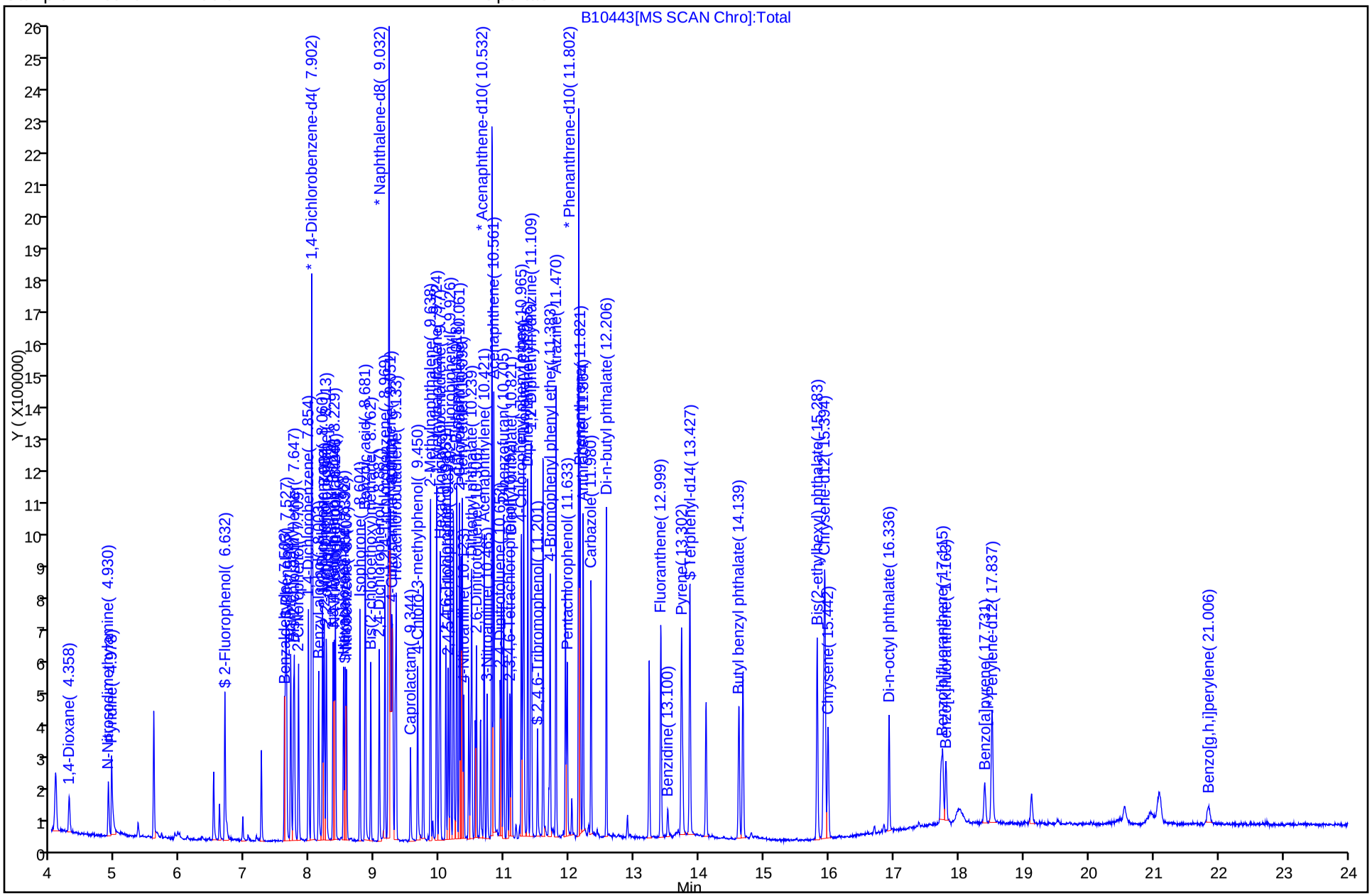
Inj Date: 21-Sep-2009 17:27:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 6

Client ID: Instrument: Inst. B

Sample Info: std1

Sample Amount: 1.00 ul Operator: MZ



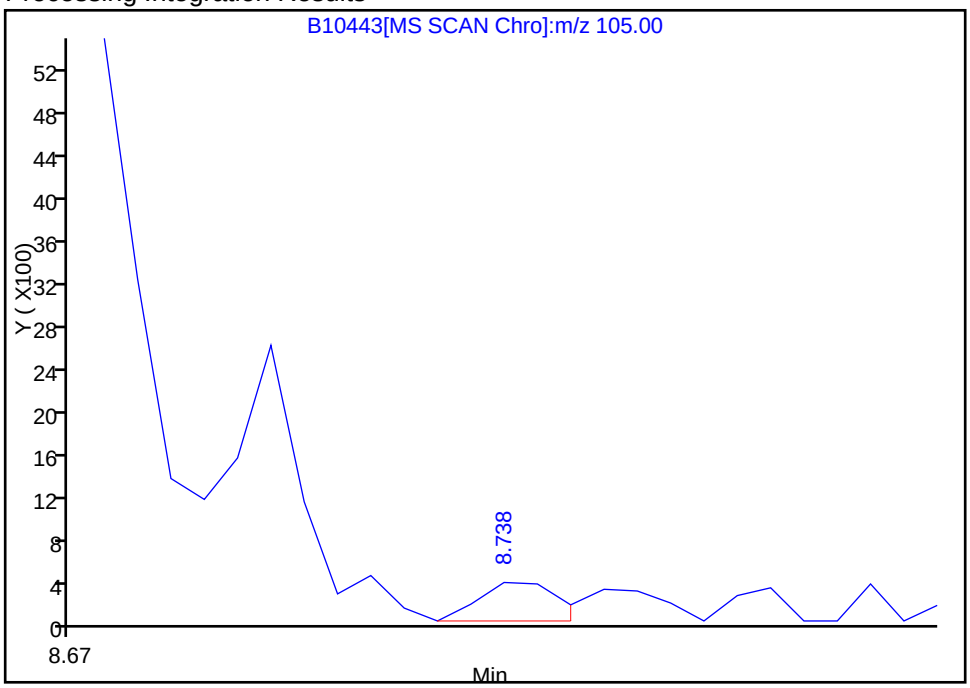
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10443.D		
Inj Date:	21-Sep-2009 17:27:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	6
Client ID:		Instrument:	Inst. B
Sample Info:	std1		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 8.70

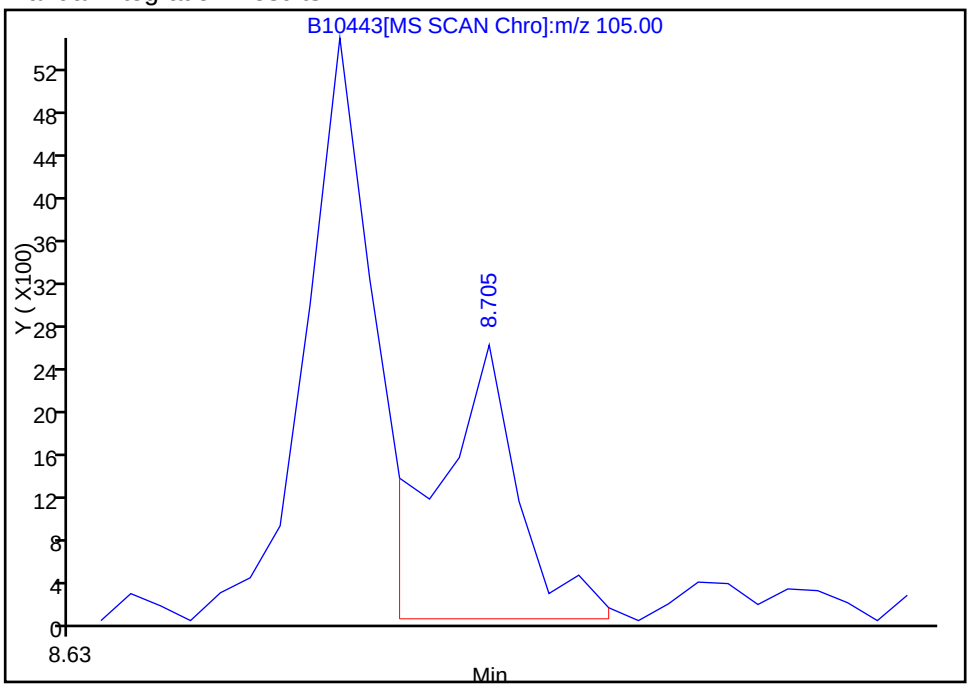
Processing Integration Results

RT: 8.74
Response: 293
Amount: 1.000000



Manual Integration Results

RT: 8.70
Response: 2416
Amount: 1.000000



Reviewer: sullivanp, 22-Sep-2009 10:44:59
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10444.D		
Lims ID:	std2.5	Client ID:	
Inject. Date:	21-Sep-2009 17:58:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	5
Sample ID:	std25		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	49265	Lims Sample ID:	7
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 10:45:58	Calib Date:	21-Sep-2009 17:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10444.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 10:45:58

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.900	7.903	-0.003	438645	2.00	
* 2 Naphthalene-d8	136	9.030	9.033	-0.003	1073015	2.00	
* 3 Acenaphthene-d10	164	10.535	10.533	0.002	463018	2.00	
* 4 Phenanthrene-d10	188	11.800	11.803	-0.003	746244	2.00	
* 5 Chrysene-d12	240	15.397	15.400	-0.003	434594	2.00	
* 6 Perylene-d12	264	17.840	17.842	-0.002	237394	2.00	
$ 7 2-Fluorophenol	112	6.630	6.633	-0.003	327381	2.65	
$ 8 Phenol-d5	99	7.520	7.523	-0.003	400524	2.73	
$ 9 Nitrobenzene-d5	82	8.390	8.393	-0.003	385960	2.67	
$ 10 2-Fluorobiphenyl	172	9.924	9.927	-0.003	796621	2.63	
$ 11 2,4,6-Tribromophenol	330	11.204	11.202	0.002	63345	2.74	
$ 12 Terphenyl-d14	244	13.425	13.428	-0.003	535886	2.56	
14 1,4-Dioxane	88	4.351	4.349	0.002	125233	2.73	
15 N-Nitrosodimethylamine	42	4.928	4.926	0.002	225921	2.61	
16 Pyridine	79	4.967	4.960	0.007	279336	2.67	
17 Benzaldehyde	105	7.506	7.504	0.002	222117	2.63	
18 Phenol	94	7.534	7.537	-0.003	406650	2.60	
19 Aniline	93	7.597	7.595	0.002	494145	2.61	
20 Bis(2-chloroethyl)ether	93	7.635	7.633	0.002	323929	2.46	
21 2-Chlorophenol	128	7.708	7.710	-0.002	348265	2.59	
22 1,4-Dichlorobenzene	146	7.852	7.850	0.002	424989	2.46	
23 1,3-Dichlorobenzene	146	7.919	7.917	0.002	446662	2.47	
24 Benzyl alcohol	79	8.001	8.004	-0.003	273115	3.02	
25 1,2-Dichlorobenzene	146	8.059	8.061	-0.002	400103	2.39	
26 2-Methylphenol	108	8.083	8.085	-0.002	312564	2.63	
27 2,2'-oxybis[1-chloropropane]	45	8.116	8.114	0.002	600944	2.48	
28 3 & 4 Methylphenol	108	8.212	8.215	-0.003	323829	2.60	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	8.232	8.234	-0.002	235132	2.70	
30 Acetophenone	105	8.246	8.249	-0.003	453571	2.56	
31 Hexachloroethane	117	8.366	8.364	0.002	153424	2.57	
32 Nitrobenzene	77	8.410	8.412	-0.002	380927	2.67	
33 Isophorone	82	8.607	8.605	0.002	620481	2.74	
35 2,4-Dimethylphenol	107	8.679	8.682	-0.003	345816	2.64	
34 2-Nitrophenol	139	8.689	8.687	0.003	189214	2.83	
36 Benzoic acid	105	8.713	8.713	0.000	31413	2.50	5
37 Bis(2-chloroethoxy)methane	93	8.765	8.763	0.002	363599	2.50	
38 2,4-Dichlorophenol	162	8.891	8.888	0.003	279438	2.63	
39 1,2,4-Trichlorobenzene	180	8.972	8.970	0.002	329203	2.44	
40 Alpha-Terpineol	59	9.020	9.018	0.002	308980	2.65	
41 Naphthalene	128	9.049	9.052	-0.003	1107574	2.44	
42 4-Chloroaniline	127	9.068	9.071	-0.003	444797	2.51	
43 Hexachlorobutadiene	225	9.136	9.134	0.002	165419	2.45	
44 Caprolactam	55	9.352	9.360	-0.008	138603	2.72	
45 4-Chloro-3-methylphenol	107	9.448	9.451	-0.003	280295	2.76	
46 2-Methylnaphthalene	142	9.636	9.634	0.002	726241	2.51	
47 1-Methylnaphthalene	142	9.727	9.725	0.002	708838	2.51	
48 Hexachlorocyclopentadiene	237	9.766	9.764	0.002	122303	2.63	
49 1,2,4,5-Tetrachlorobenzene	216	9.780	9.778	0.002	282712	2.48	
50 2,4,6-Trichlorophenol	196	9.862	9.860	0.002	185998	2.99	
51 2,4,5-Trichlorophenol	196	9.896	9.898	-0.002	192322	2.93	
52 1,1'-Biphenyl	154	10.021	10.023	-0.002	841035	2.60	
53 2-Chloronaphthalene	162	10.059	10.062	-0.003	810231	2.77	
54 Phenyl ether	170	10.102	10.100	0.002	448465	2.45	
68 4-Nitroaniline	138	10.122	10.124	-0.002	211909	2.68	
56 Dimethyl phthalate	163	10.237	10.240	-0.003	756300	2.71	
57 2,6-Dinitrotoluene	165	10.309	10.312	-0.003	173343	2.92	
58 Acenaphthylene	152	10.420	10.422	-0.002	1039146	2.77	
59 3-Nitroaniline	138	10.463	10.466	-0.003	162524	2.95	
60 2,4-Dinitrophenol	184	10.550	10.552	-0.002	31399	2.28	
61 Acenaphthene	153	10.564	10.562	0.002	699440	2.65	
62 4-Nitrophenol	109	10.559	10.562	-0.003	82110	2.58	
63 2,4-Dinitrotoluene	165	10.655	10.658	-0.003	210274	2.71	
64 Dibenzofuran	168	10.703	10.706	-0.003	923029	2.64	
65 2,3,4,6-Tetrachlorophenol	232	10.795	10.793	0.002	133477	2.64	
66 Diethyl phthalate	149	10.824	10.826	-0.002	754868	2.65	
67 4-Chlorophenyl phenyl ether	204	10.963	10.966	-0.003	335166	2.66	
55 2-Nitroaniline	65	10.982	10.985	-0.003	183077	2.71	
69 Fluorene	166	10.997	11.000	-0.003	776596	2.73	
70 4,6-Dinitro-2-methylphenol	198	11.002	11.004	-0.002	63627	2.41	
71 Diphenylamine	169	11.059	11.057	0.002	650673	2.78	
72 N-Nitrosodiphenylamine	169	11.059	11.057	0.002	650673	2.78	
74 Azobenzene	77	11.103	11.101	0.002	1235674	2.89	
73 1,2-Diphenylhydrazine	77	11.103	11.101	0.002	1235674	2.89	
13 Benzophenone	105	11.112	11.110	0.002	717087	2.88	
75 4-Bromophenyl phenyl ether	248	11.386	11.384	0.002	170922	2.57	
77 Atrazine	200	11.468	11.471	-0.003	197619	3.00	
76 Hexachlorobenzene	284	11.473	11.471	0.002	171497	2.67	
78 Pentachlorophenol	266	11.622	11.625	-0.003	59605	2.42	
79 Pentachloronitrobenzene	237	11.636	11.634	0.002	74453	3.00	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.824	11.822	0.002	1007808	2.61	
81 Anthracene	178	11.867	11.865	0.002	968171	2.76	
83 Carbazole	167	11.983	11.981	0.002	828357	2.77	
84 Di-n-butyl phthalate	149	12.204	12.207	-0.003	1168450	2.53	
87 Fluoranthene	202	13.002	13.000	0.002	886788	2.77	
86 Benzidine	184	13.103	13.101	0.002	151233	2.67	
85 Pyrene	202	13.305	13.303	0.002	921425	2.54	
89 Butyl benzyl phthalate	149	14.142	14.145	-0.002	404324	2.90	
92 Bis(2-ethylhexyl) phthalate	149	15.281	15.284	-0.003	495696	2.52	
91 3,3'-Dichlorobenzidine	252	15.286	15.286	0.000	147042	2.63	
93 Benzo[a]anthracene	228	15.378	15.380	-0.002	514948	2.78	
94 Chrysene	228	15.445	15.448	-0.003	488001	2.62	
95 Di-n-octyl phthalate	149	16.335	16.337	-0.002	670593	2.45	
97 Benzo[b]fluoranthene	252	17.123	17.121	0.002	379206	2.66	
98 Benzo[k]fluoranthene	252	17.166	17.169	-0.003	356999	2.76	
99 Benzo[a]pyrene	252	17.734	17.737	-0.003	259661	2.83	
100 Indeno[1,2,3-cd]pyrene	276	20.268	20.276	-0.008	196799	2.62	
101 Dibenz(a,h)anthracene	278	20.302	20.295	0.007	157490	2.60	
102 Benzo[g,h,i]perylene	276	20.999	21.002	-0.003	169094	2.70	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 22-Sep-2009 10:45:59 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10444.D

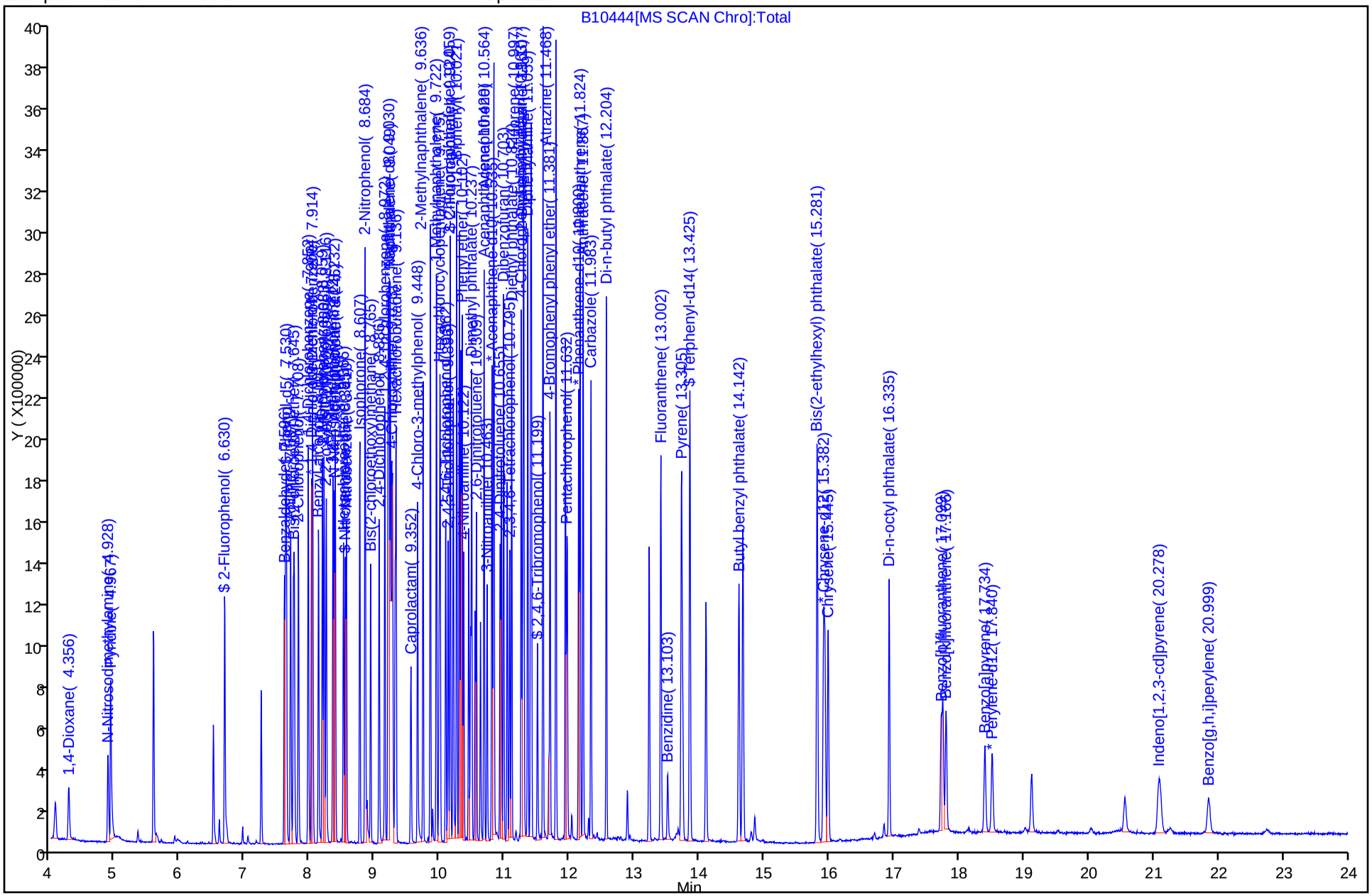
Inj Date: 21-Sep-2009 17:58:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 7

Client ID: Instrument: Inst. B

Sample Info: std25

Sample Amount: 1.00 ul Operator: MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10445.D		
Lims ID:	std8	Client ID:	
Inject. Date:	21-Sep-2009 18:29:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	std8		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	49265	Lims Sample ID:	8
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 10:51:11	Calib Date:	21-Sep-2009 18:29:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10445.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 10:51:11

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.902	7.903	-0.001	648939	2.00	
* 2 Naphthalene-d8	136	9.032	9.033	-0.001	1654636	2.00	
* 3 Acenaphthene-d10	164	10.537	10.533	0.004	553097	2.00	
* 4 Phenanthrene-d10	188	11.802	11.803	-0.001	919364	2.00	
* 5 Chrysene-d12	240	15.404	15.400	0.004	584779	2.00	
* 6 Perylene-d12	264	17.842	17.842	0.000	329496	2.00	
$ 7 2-Fluorophenol	112	6.637	6.633	0.004	1279557	7.13	
$ 8 Phenol-d5	99	7.527	7.523	0.004	1594020	7.44	
$ 9 Nitrobenzene-d5	82	8.397	8.393	0.004	1503929	6.91	
$ 10 2-Fluorobiphenyl	172	9.926	9.927	-0.001	3132573	8.56	5
$ 11 2,4,6-Tribromophenol	330	11.205	11.202	0.003	275350	8.37	5
$ 12 Terphenyl-d14	244	13.427	13.428	-0.001	2289546	8.11	5
14 1,4-Dioxane	88	4.372	4.349	0.023	438599	7.82	
15 N-Nitrosodimethylamine	42	4.940	4.926	0.014	874922	6.98	
16 Pyridine	79	4.968	4.960	0.008	1191266	8.12	5
17 Benzaldehyde	105	7.507	7.504	0.003	876528	7.14	
18 Phenol	94	7.541	7.537	0.004	1629249	7.17	
19 Aniline	93	7.599	7.595	0.004	1947218	7.08	
20 Bis(2-chloroethyl)ether	93	7.637	7.633	0.004	1285249	6.76	5
21 2-Chlorophenol	128	7.714	7.710	0.004	1383900	7.09	
22 1,4-Dichlorobenzene	146	7.854	7.850	0.004	1660157	6.69	
23 1,3-Dichlorobenzene	146	7.916	7.917	-0.001	1733752	6.67	
24 Benzyl alcohol	79	8.008	8.004	0.004	1160893	8.58	5
25 1,2-Dichlorobenzene	146	8.061	8.061	-0.001	1580661	6.57	
26 2-Methylphenol	108	8.089	8.085	0.004	1284317	7.40	
27 2,2'-oxybis[1-chloropropane]	45	8.118	8.114	0.004	2272687	6.53	
28 3 & 4 Methylphenol	108	8.219	8.215	0.004	1319022	7.26	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	8.238	8.234	0.004	995155	7.77	
30 Acetophenone	105	8.253	8.249	0.004	1837007	7.14	
31 Hexachloroethane	117	8.368	8.364	0.004	606803	7.02	
32 Nitrobenzene	77	8.412	8.412	0.000	1489968	6.92	
33 Isophorone	82	8.609	8.605	0.004	2516384	7.32	
35 2,4-Dimethylphenol	107	8.686	8.682	0.004	1444088	7.26	
34 2-Nitrophenol	139	8.690	8.687	0.004	825782	8.00	
36 Benzoic acid	105	8.743	8.705	0.038	503862	7.97	
37 Bis(2-chloroethoxy)methane	93	8.767	8.763	0.004	1448985	6.64	
38 2,4-Dichlorophenol	162	8.892	8.888	0.004	1144036	7.11	
39 1,2,4-Trichlorobenzene	180	8.974	8.970	0.004	1290408	6.41	
40 Alpha-Terpineol	59	9.022	9.018	0.004	1275530	7.22	
41 Naphthalene	128	9.051	9.052	-0.001	4257495	6.29	
42 4-Chloroaniline	127	9.075	9.071	0.004	1787557	6.72	
43 Hexachlorobutadiene	225	9.138	9.134	0.004	676247	6.67	
44 Caprolactam	55	9.373	9.360	0.013	600505	8.62	5
45 4-Chloro-3-methylphenol	107	9.455	9.451	0.004	1165703	7.53	
46 2-Methylnaphthalene	142	9.638	9.634	0.004	2889065	6.67	
47 1-Methylnaphthalene	142	9.724	9.725	-0.001	2807107	6.63	
48 Hexachlorocyclopentadiene	237	9.763	9.764	-0.001	564907	8.05	5
49 1,2,4,5-Tetrachlorobenzene	216	9.782	9.778	0.004	1150930	6.71	
50 2,4,6-Trichlorophenol	196	9.864	9.860	0.004	775509	8.59	5
51 2,4,5-Trichlorophenol	196	9.897	9.898	-0.001	824170	10.1	5
52 1,1'-Biphenyl	154	10.022	10.023	-0.001	3284802	8.43	5
53 2-Chloronaphthalene	162	10.061	10.062	-0.001	3161868	8.88	5
54 Phenyl ether	170	10.104	10.100	0.004	1850896	6.72	
68 4-Nitroaniline	138	10.128	10.124	0.004	901512	8.64	5
56 Dimethyl phthalate	163	10.244	10.240	0.004	2980269	8.79	5
57 2,6-Dinitrotoluene	165	10.311	10.312	-0.001	708661	9.64	5
58 Acenaphthylene	152	10.422	10.422	0.000	4138038	9.04	5
59 3-Nitroaniline	138	10.470	10.466	0.004	697260	8.66	5
60 2,4-Dinitrophenol	184	10.551	10.552	-0.001	243919	8.01	5
61 Acenaphthene	153	10.566	10.562	0.004	2842915	8.86	5
62 4-Nitrophenol	109	10.566	10.562	0.004	416505	8.03	5
63 2,4-Dinitrotoluene	165	10.657	10.658	-0.001	899942	8.38	5
64 Dibenzofuran	168	10.710	10.706	0.004	3652050	8.63	5
65 2,3,4,6-Tetrachlorophenol	232	10.797	10.793	0.004	613295	8.05	5
66 Diethyl phthalate	149	10.826	10.826	0.000	3060104	8.85	5
67 4-Chlorophenyl phenyl ether	204	10.965	10.966	-0.001	1370313	8.93	5
55 2-Nitroaniline	65	10.994	10.985	0.009	820484	8.06	5
69 Fluorene	166	10.999	11.000	-0.001	3196669	9.17	5
70 4,6-Dinitro-2-methylphenol	198	11.008	11.004	0.004	411300	8.02	5
71 Diphenylamine	169	11.061	11.057	0.004	2648570	8.98	5
72 N-Nitrosodiphenylamine	169	11.061	11.057	0.004	2648570	8.98	5
74 Azobenzene	77	11.104	11.101	0.003	4865630	9.04	5
73 1,2-Diphenylhydrazine	77	11.104	11.101	0.003	4865630	9.04	5
13 Benzophenone	105	11.114	11.110	0.004	3064364	9.65	5
75 4-Bromophenyl phenyl ether	248	11.388	11.384	0.004	721205	8.68	5
77 Atrazine	200	11.475	11.471	0.004	829953	8.50	5
76 Hexachlorobenzene	284	11.475	11.471	0.004	686133	8.56	5
78 Pentachlorophenol	266	11.624	11.625	-0.001	365216	8.02	5
79 Pentachloronitrobenzene	237	11.638	11.634	0.004	324082	8.63	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.826	11.822	0.004	4025006	8.39	5
81 Anthracene	178	11.869	11.865	0.004	3980127	9.02	5
83 Carbazole	167	11.984	11.981	0.003	3265563	8.74	5
84 Di-n-butyl phthalate	149	12.206	12.207	-0.001	4690003	8.21	5
87 Fluoranthene	202	13.004	13.000	0.004	3642430	9.04	5
86 Benzidine	184	13.105	13.101	0.004	775957	8.08	5
85 Pyrene	202	13.307	13.303	0.004	3803173	7.83	
89 Butyl benzyl phthalate	149	14.144	14.145	0.000	1790833	9.29	5
92 Bis(2-ethylhexyl) phthalate	149	15.283	15.284	-0.001	2369029	8.39	5
91 3,3'-Dichlorobenzidine	252	15.288	15.291	-0.003	732423	8.32	5
93 Benzo[a]anthracene	228	15.384	15.380	0.004	2275030	8.94	5
94 Chrysene	228	15.452	15.448	0.004	2139586	8.47	5
95 Di-n-octyl phthalate	149	16.336	16.337	-0.001	3240103	8.24	5
97 Benzo[b]fluoranthene	252	17.130	17.121	0.009	1695958	8.48	5
98 Benzo[k]fluoranthene	252	17.173	17.169	0.004	1581623	8.68	5
99 Benzo[a]pyrene	252	17.736	17.737	-0.001	1273232	9.65	5
100 Indeno[1,2,3-cd]pyrene	276	20.275	20.276	-0.001	971352	8.60	5
101 Dibenz(a,h)anthracene	278	20.304	20.295	0.009	800166	8.70	5
102 Benzo[g,h,i]perylene	276	21.015	21.002	0.013	789006	8.55	5

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 22-Sep-2009 10:51:12 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10445.D

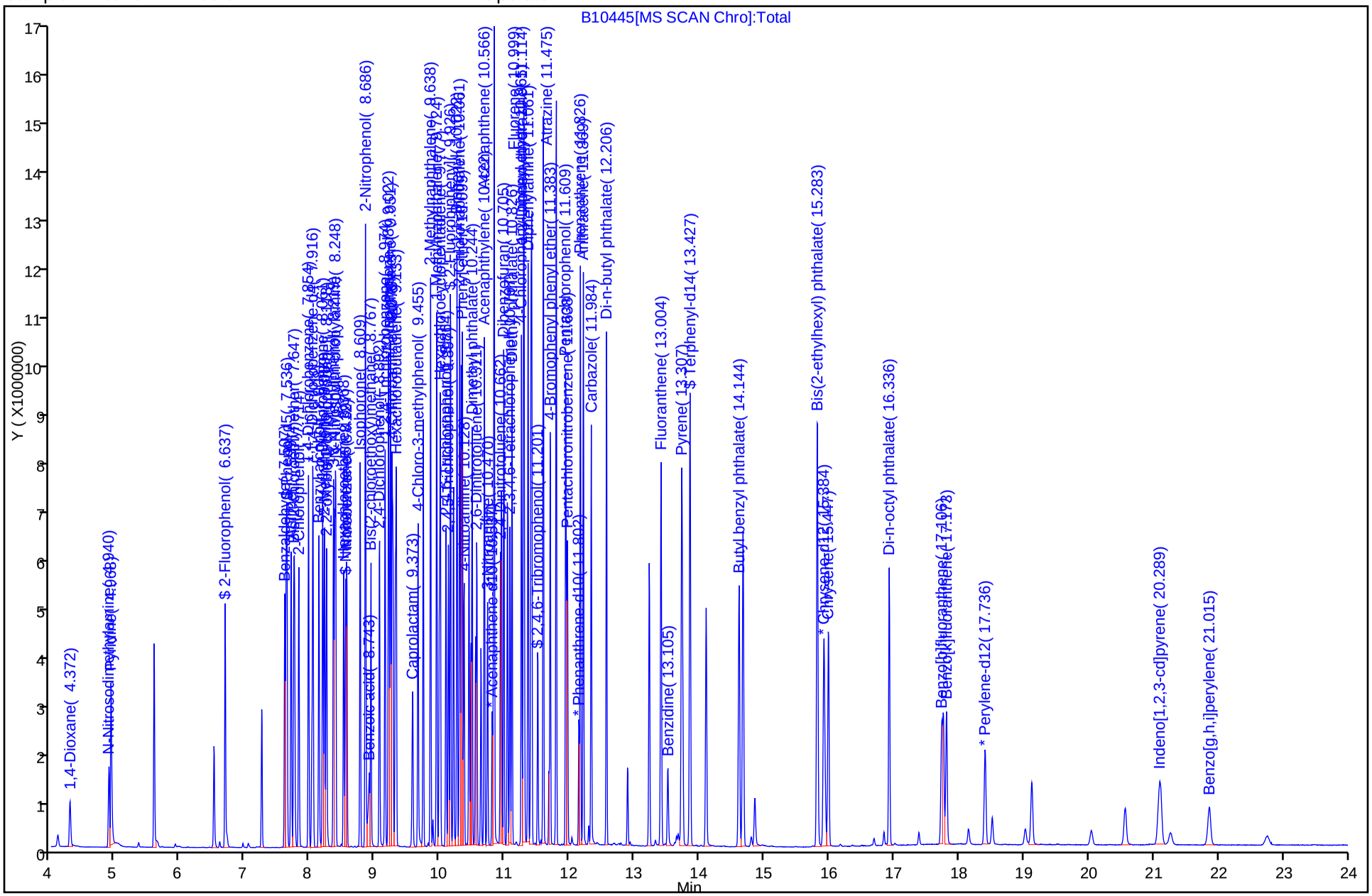
Inj Date: 21-Sep-2009 18:29:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 8

Client ID: Instrument: Inst. B

Sample Info: std8

Sample Amount: 1.00 ul Operator: MZ

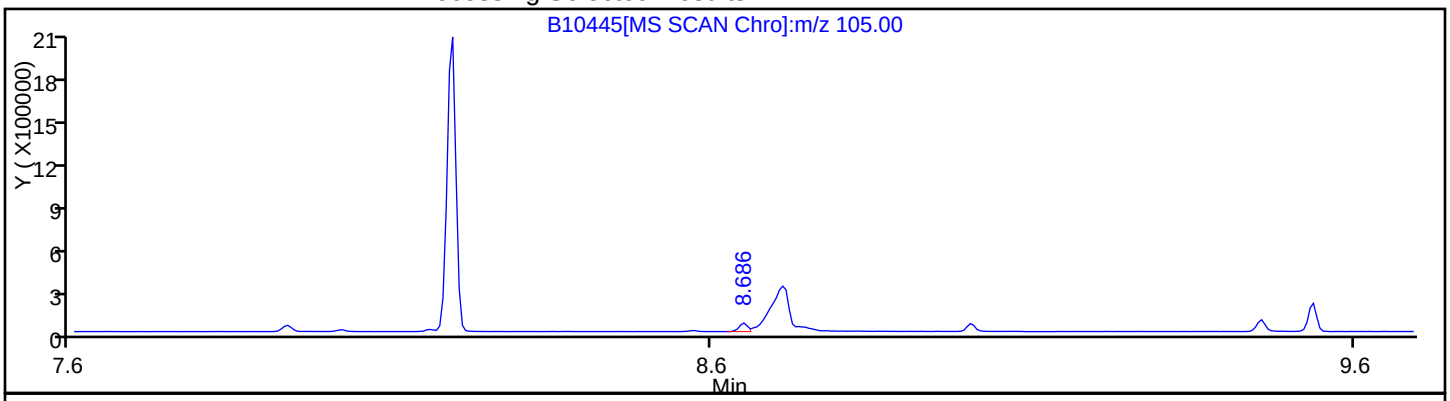


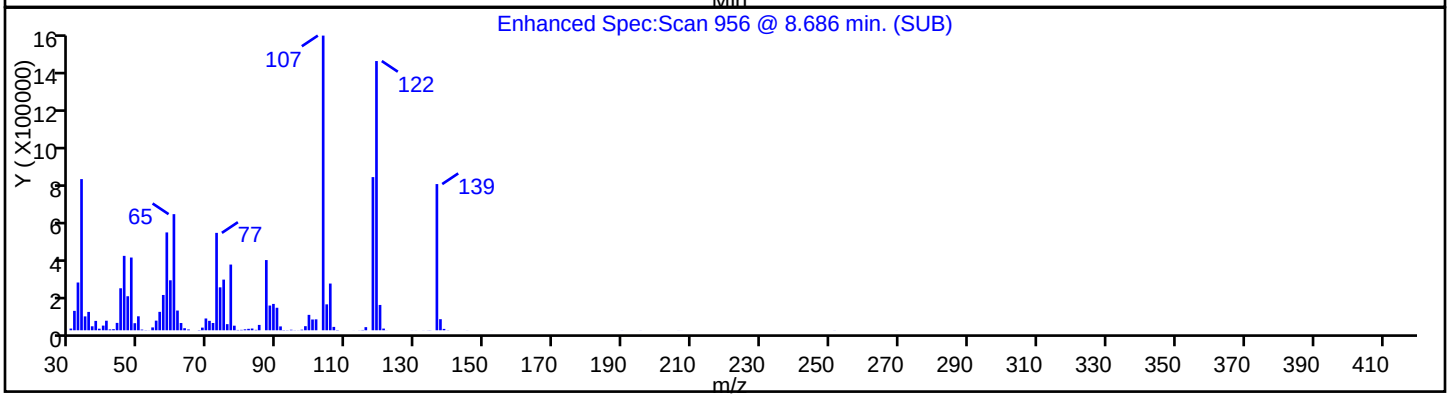
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10445.D		
Inj Date:	21-Sep-2009 18:29:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	8
Client ID:		Instrument:	Inst. B
Sample Info:	std8		
Sample Amount:	1.00 ul	Operator:	MZ

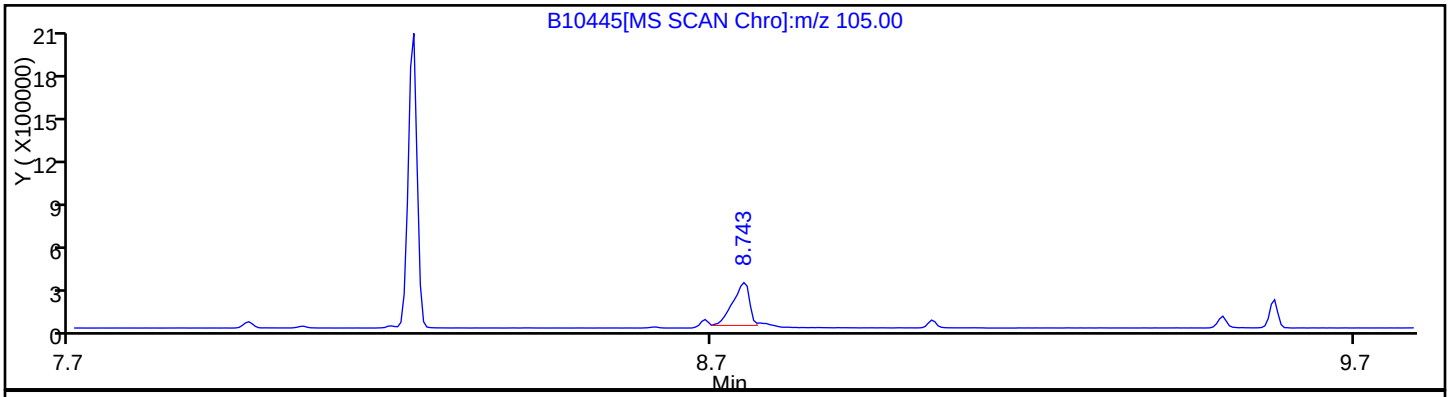
36 Benzoic acid

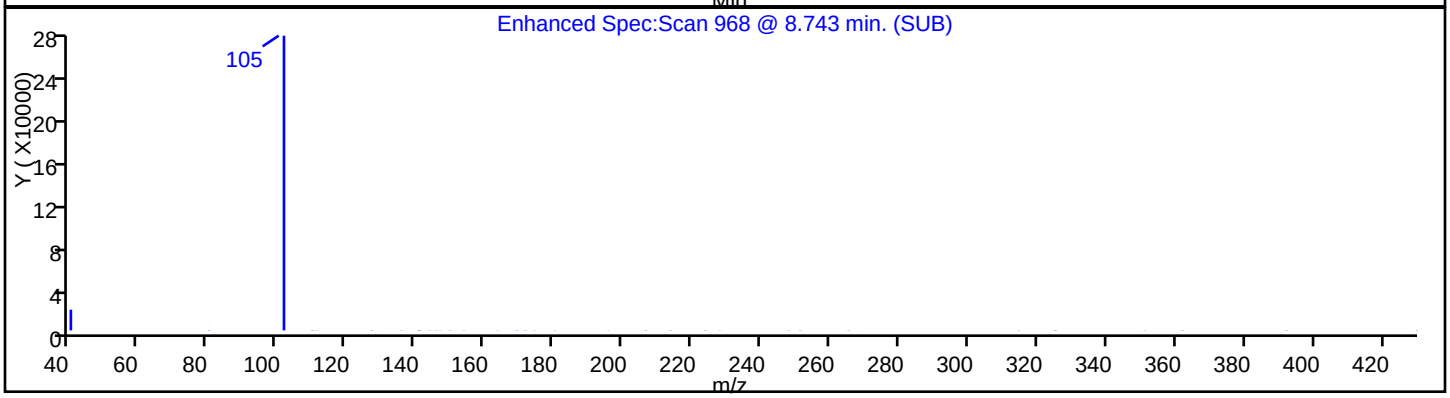
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 22-Sep-2009 10:51:11
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10446.D		
Lims ID:	std10	Client ID:	
Inject. Date:	21-Sep-2009 19:00:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	8
Sample ID:	std10		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	49265	Lims Sample ID:	9
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 10:52:01	Calib Date:	21-Sep-2009 19:00:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10446.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 10:52:01

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.902	7.903	-0.001	559436	2.00	
* 2 Naphthalene-d8	136	9.032	9.033	-0.001	1425811	2.00	
* 3 Acenaphthene-d10	164	10.537	10.533	0.004	460518	2.00	
* 4 Phenanthrene-d10	188	11.802	11.803	-0.001	763274	2.00	
* 5 Chrysene-d12	240	15.404	15.400	0.004	488493	2.00	
* 6 Perylene-d12	264	17.842	17.842	0.000	275153	2.00	
$ 7 2-Fluorophenol	112	6.632	6.633	-0.001	1284616	8.49	
$ 8 Phenol-d5	99	7.527	7.523	0.004	1576994	8.70	
$ 9 Nitrobenzene-d5	82	8.397	8.393	0.004	1480163	8.10	
$ 10 2-Fluorobiphenyl	172	9.931	9.927	0.004	3069374	10.1	5
$ 11 2,4,6-Tribromophenol	330	11.206	11.202	0.004	269932	10.2	5
$ 12 Terphenyl-d14	244	13.427	13.428	-0.001	2236869	9.55	
14 1,4-Dioxane	88	4.348	4.349	-0.001	425323	9.93	
15 N-Nitrosodimethylamine	42	4.930	4.926	0.004	850967	8.09	
16 Pyridine	79	4.959	4.960	-0.001	1177405	9.42	
17 Benzaldehyde	105	7.508	7.504	0.004	871122	8.42	
18 Phenol	94	7.541	7.537	0.004	1607327	8.40	
19 Aniline	93	7.599	7.595	0.004	1902246	8.22	
20 Bis(2-chloroethyl)ether	93	7.637	7.633	0.004	1278568	8.03	5
21 2-Chlorophenol	128	7.710	7.710	0.000	1372113	8.35	
22 1,4-Dichlorobenzene	146	7.854	7.850	0.004	1626464	7.83	
23 1,3-Dichlorobenzene	146	7.916	7.917	-0.001	1694960	7.80	
24 Benzyl alcohol	79	8.008	8.004	0.004	1138644	9.79	
25 1,2-Dichlorobenzene	146	8.061	8.061	0.000	1548790	9.19	
26 2-Methylphenol	108	8.085	8.085	0.000	1232717	8.42	
27 2,2'-oxybis[1-chloropropane]	45	8.118	8.114	0.004	2226706	7.67	
28 3 & 4 Methylphenol	108	8.219	8.215	0.004	1295161	8.45	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	8.238	8.234	0.004	959407	8.84	
30 Acetophenone	105	8.248	8.249	-0.001	1798087	8.31	
31 Hexachloroethane	117	8.368	8.364	0.004	599438	8.24	
32 Nitrobenzene	77	8.412	8.412	0.000	1456311	8.07	
33 Isophorone	82	8.609	8.605	0.004	2482165	8.55	
35 2,4-Dimethylphenol	107	8.686	8.682	0.004	1398281	8.35	
34 2-Nitrophenol	139	8.691	8.687	0.005	801499	9.12	
36 Benzoic acid	105	8.743	8.705	0.038	535980	9.94	
37 Bis(2-chloroethoxy)methane	93	8.767	8.763	0.004	1411977	7.75	
38 2,4-Dichlorophenol	162	8.892	8.888	0.004	1107747	8.19	
39 1,2,4-Trichlorobenzene	180	8.974	8.970	0.004	1279849	9.56	
40 Alpha-Terpineol	59	9.022	9.018	0.004	1245422	8.37	
41 Naphthalene	128	9.051	9.052	-0.001	4187994	9.50	
42 4-Chloroaniline	127	9.075	9.071	0.004	1772669	7.96	
43 Hexachlorobutadiene	225	9.138	9.134	0.004	666695	7.86	
44 Caprolactam	55	9.373	9.360	0.013	589047	9.83	
45 4-Chloro-3-methylphenol	107	9.455	9.451	0.004	1154212	8.80	
46 2-Methylnaphthalene	142	9.638	9.634	0.004	2805691	7.75	
47 1-Methylnaphthalene	142	9.729	9.725	0.004	2744671	7.77	
48 Hexachlorocyclopentadiene	237	9.768	9.764	0.004	530563	10.0	5
49 1,2,4,5-Tetrachlorobenzene	216	9.782	9.778	0.004	1125416	7.85	
50 2,4,6-Trichlorophenol	196	9.864	9.860	0.004	763205	10.7	5
51 2,4,5-Trichlorophenol	196	9.898	9.898	0.000	804256	11.5	5
52 1,1'-Biphenyl	154	10.023	10.023	0.000	3234972	9.97	
53 2-Chloronaphthalene	162	10.061	10.062	-0.001	3082209	10.3	5
54 Phenyl ether	170	10.104	10.100	0.004	1812701	7.87	
68 4-Nitroaniline	138	10.128	10.124	0.004	885807	10.1	5
56 Dimethyl phthalate	163	10.244	10.240	0.004	2944939	10.4	5
57 2,6-Dinitrotoluene	165	10.316	10.312	0.004	686277	11.0	5
58 Acenaphthylene	152	10.422	10.422	0.000	4082534	10.6	5
59 3-Nitroaniline	138	10.470	10.466	0.004	681595	10.7	5
60 2,4-Dinitrophenol	184	10.552	10.552	0.000	235679	13.7	5
61 Acenaphthene	153	10.566	10.562	0.004	2826177	10.5	5
62 4-Nitrophenol	109	10.566	10.562	0.004	418066	10.2	5
63 2,4-Dinitrotoluene	165	10.662	10.658	0.004	898979	10.3	5
64 Dibenzofuran	168	10.710	10.706	0.004	3569484	10.1	5
65 2,3,4,6-Tetrachlorophenol	232	10.797	10.793	0.004	572237	9.96	5
66 Diethyl phthalate	149	10.826	10.826	0.000	3023115	10.4	5
67 4-Chlorophenyl phenyl ether	204	10.965	10.966	-0.001	1361202	10.6	5
55 2-Nitroaniline	65	10.994	10.985	0.009	798264	10.2	5
69 Fluorene	166	10.999	11.000	-0.001	3199989	10.9	5
70 4,6-Dinitro-2-methylphenol	198	11.008	11.004	0.004	391249	14.5	5
71 Diphenylamine	169	11.061	11.057	0.004	2617004	10.6	5
72 N-Nitrosodiphenylamine	169	11.061	11.057	0.004	2617004	10.6	5
74 Azobenzene	77	11.105	11.101	0.004	4874816	10.8	5
73 1,2-Diphenylhydrazine	77	11.105	11.101	0.004	4874816	10.8	5
13 Benzophenone	105	11.114	11.110	0.004	3015672	11.2	5
75 4-Bromophenyl phenyl ether	248	11.388	11.384	0.004	709386	10.2	5
77 Atrazine	200	11.475	11.471	0.004	828421	11.6	5
76 Hexachlorobenzene	284	11.475	11.471	0.004	678656	10.2	5
78 Pentachlorophenol	266	11.624	11.625	-0.001	354187	9.87	
79 Pentachloronitrobenzene	237	11.638	11.634	0.004	321191	10.2	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.826	11.822	0.004	3967800	9.97	
81 Anthracene	178	11.869	11.865	0.004	3930513	10.6	5
83 Carbazole	167	11.985	11.981	0.004	3177795	10.2	5
84 Di-n-butyl phthalate	149	12.211	12.207	0.004	4596634	9.73	
87 Fluoranthene	202	13.004	13.000	0.004	3611156	10.7	5
86 Benzidine	184	13.105	13.101	0.004	866566	9.93	
85 Pyrene	202	13.307	13.303	0.004	3747940	9.32	
89 Butyl benzyl phthalate	149	14.144	14.145	0.000	1768565	10.8	5
92 Bis(2-ethylhexyl) phthalate	149	15.283	15.284	-0.001	2324115	9.90	
91 3,3'-Dichlorobenzidine	252	15.293	15.291	0.002	715117	10.1	5
93 Benzo[a]anthracene	228	15.384	15.380	0.004	2244007	10.5	5
94 Chrysene	228	15.452	15.448	0.004	2111431	10.0	5
95 Di-n-octyl phthalate	149	16.337	16.337	-0.001	3172594	9.78	
97 Benzo[b]fluoranthene	252	17.130	17.121	0.009	1694446	10.1	5
98 Benzo[k]fluoranthene	252	17.173	17.169	0.004	1592945	10.4	5
99 Benzo[a]pyrene	252	17.736	17.737	-0.001	1282761	11.4	5
100 Indeno[1,2,3-cd]pyrene	276	20.275	20.276	-0.001	1026776	10.5	5
101 Dibenz(a,h)anthracene	278	20.304	20.295	0.009	841357	11.2	5
102 Benzo[g,h,i]perylene	276	21.011	21.002	0.009	808560	10.3	5

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 22-Sep-2009 10:52:02 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10446.D

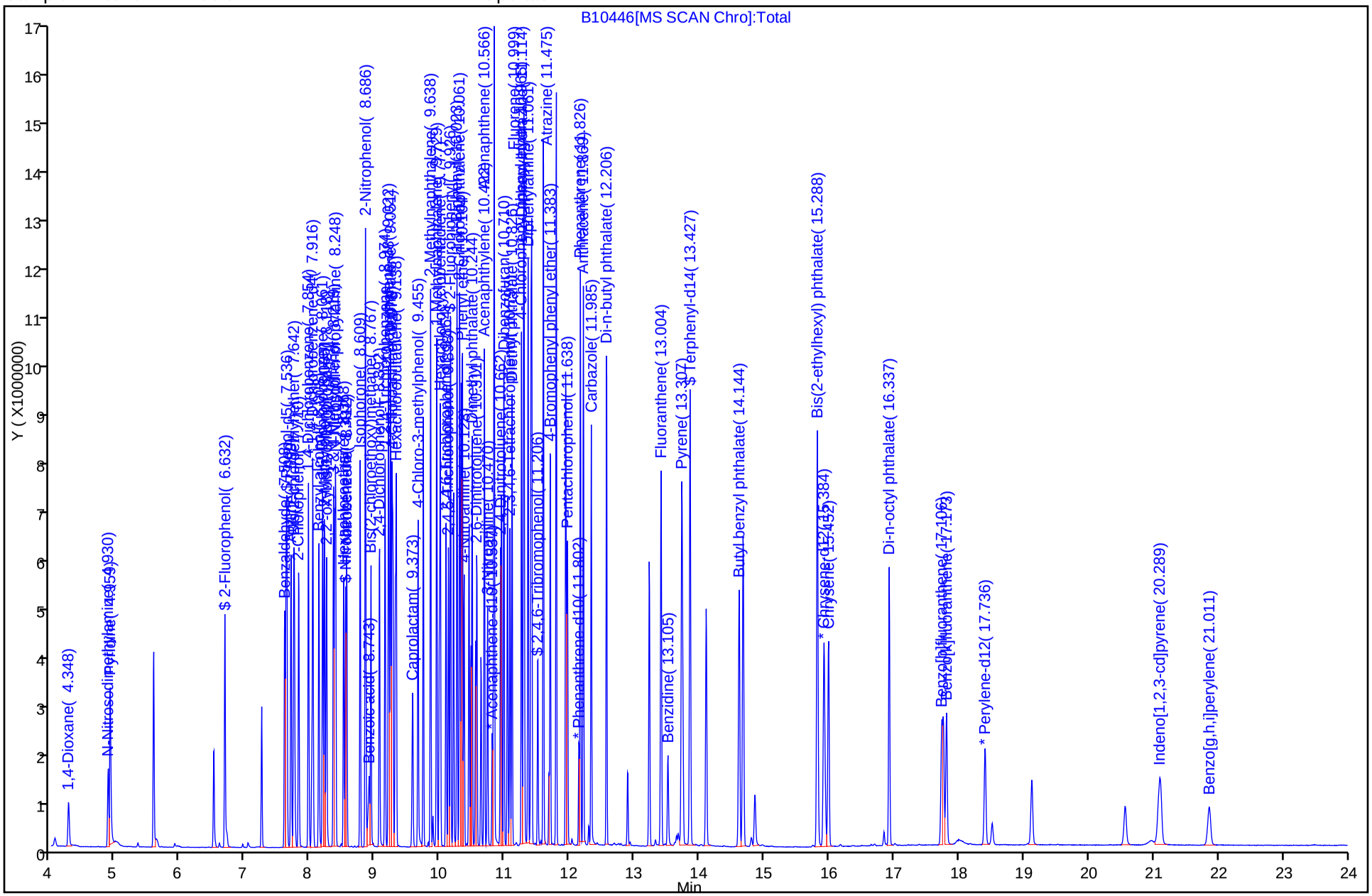
Inj Date: 21-Sep-2009 19:00:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 9

Client ID: Instrument: Inst. B

Sample Info: std10

Sample Amount: 1.00 ul Operator: MZ

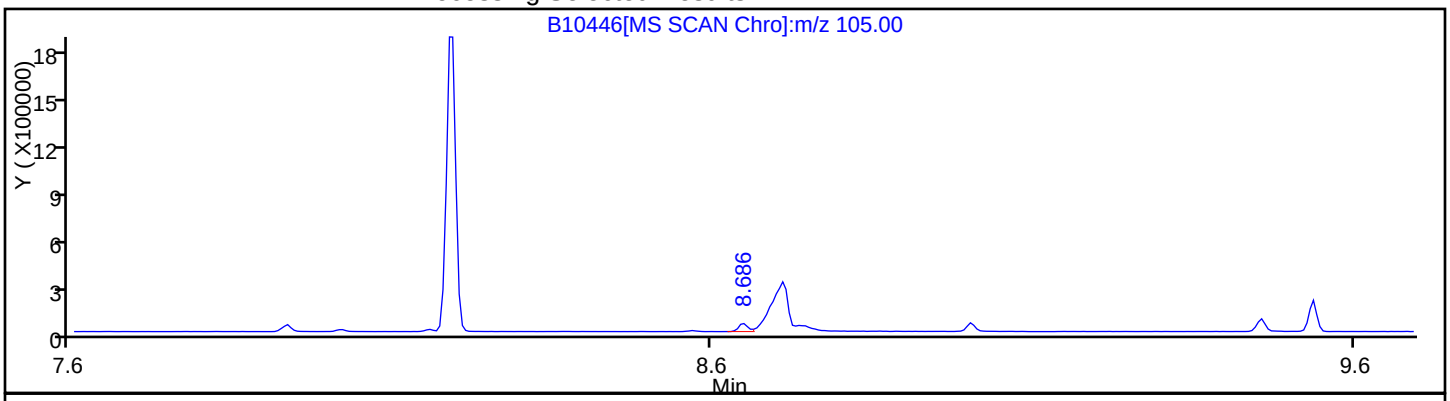


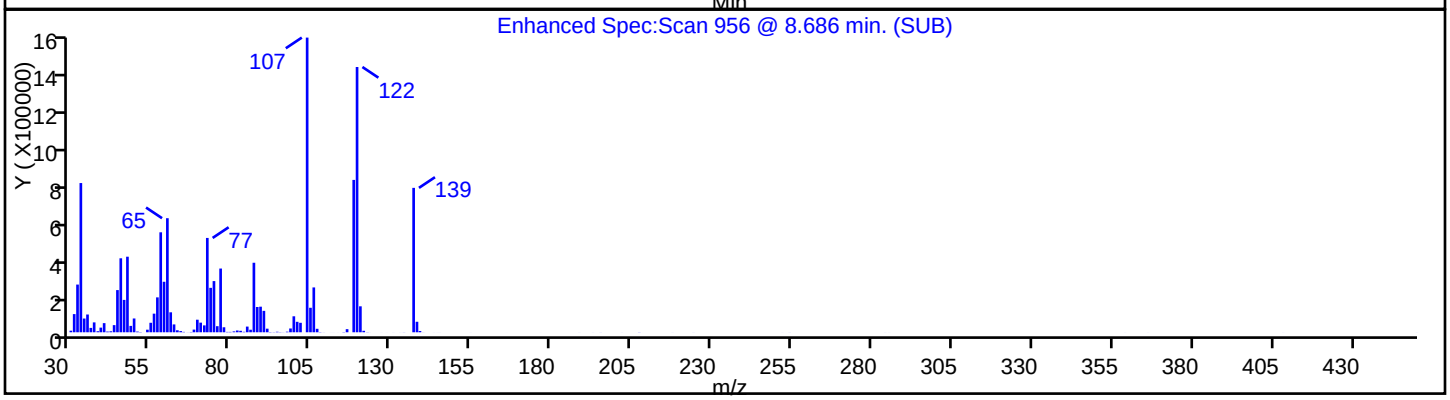
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10446.D		
Inj Date:	21-Sep-2009 19:00:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	9
Client ID:		Instrument:	Inst. B
Sample Info:	std10		
Sample Amount:	1.00 ul	Operator:	MZ

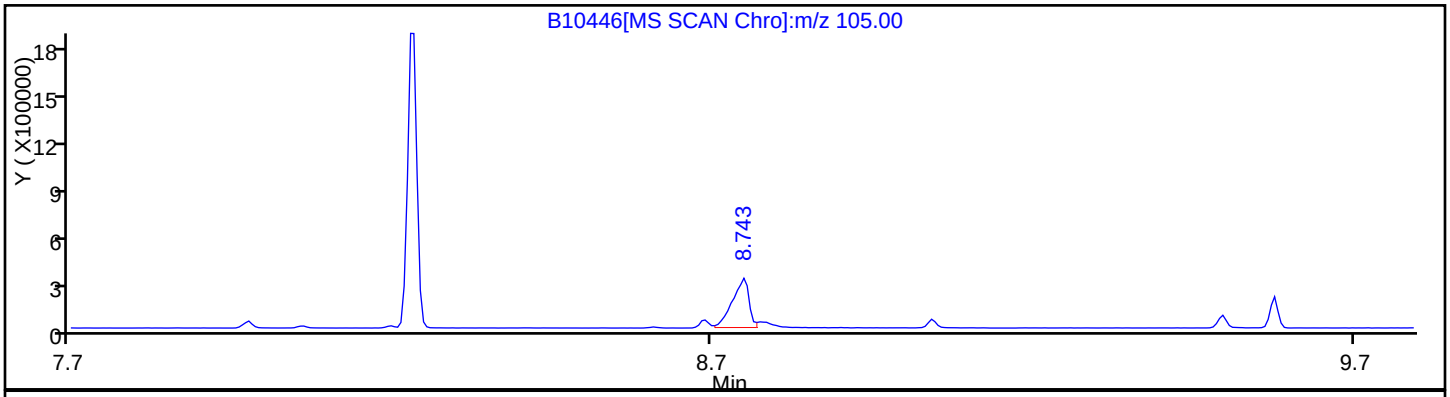
36 Benzoic acid

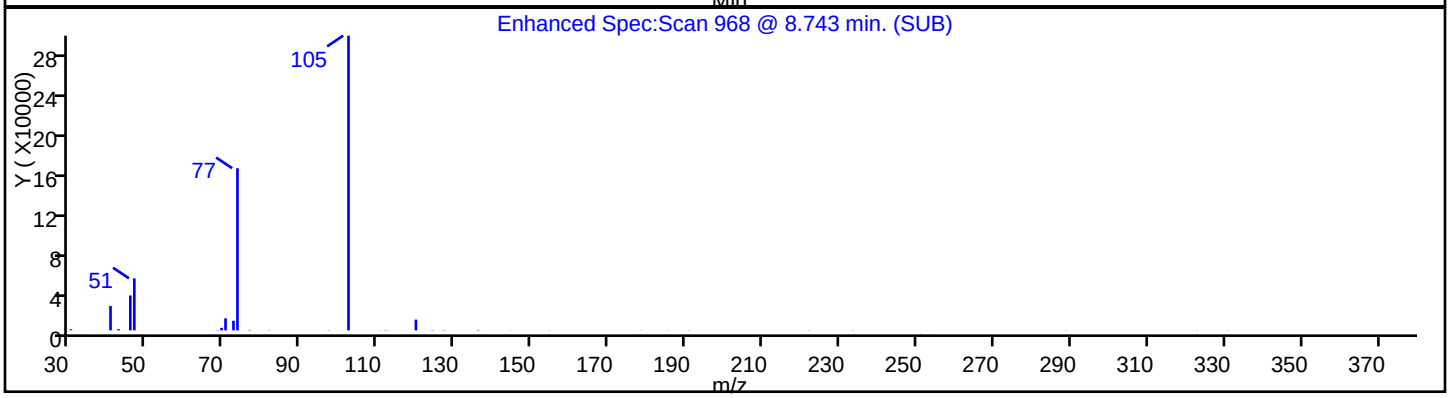
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 22-Sep-2009 10:52:01
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Lims ID:	std20	Client ID:	
Inject. Date:	21-Sep-2009 19:31:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	9
Sample ID:	std20		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	49265	Lims Sample ID:	10
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 11:00:14	Calib Date:	21-Sep-2009 19:00:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10446.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 11:00:19

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.901	7.903	-0.002	303978	2.00	
* 2 Naphthalene-d8	136	9.031	9.033	-0.002	1833958	2.00	
* 3 Acenaphthene-d10	164	10.536	10.533	0.003	413583	2.00	
* 4 Phenanthrene-d10	188	11.806	11.803	0.003	688918	2.00	
* 5 Chrysene-d12	240	15.408	15.400	0.008	496823	2.00	
* 6 Perylene-d12	264	17.846	17.842	0.004	259952	2.00	
$ 7 2-Fluorophenol	112	6.632	6.633	-0.001	2244693	26.2	5
$ 8 Phenol-d5	99	7.531	7.523	0.008	2996407	30.4	5
$ 9 Nitrobenzene-d5	82	8.397	8.393	0.004	2790138	11.9	5
$ 10 2-Fluorobiphenyl	172	9.931	9.927	0.004	5379312	19.7	
$ 11 2,4,6-Tribromophenol	330	11.210	11.202	0.008	541127	21.3	5
$ 12 Terphenyl-d14	244	13.431	13.428	0.003	4457120	18.8	
14 1,4-Dioxane	88	4.333	4.349	-0.016	764598	20.1	5
15 N-Nitrosodimethylamine	42	4.925	4.926	-0.001	1525979	25.8	5
16 Pyridine	79	4.949	4.960	-0.011	2154110	31.7	5
17 Benzaldehyde	105	7.507	7.504	0.003	1629225	29.0	5
18 Phenol	94	7.545	7.537	0.008	3069188	29.5	5
19 Aniline	93	7.603	7.595	0.008	3583713	28.5	5
20 Bis(2-chloroethyl)ether	93	7.642	7.633	0.009	2429189	28.1	5
21 2-Chlorophenol	128	7.714	7.710	0.004	2576811	28.9	5
22 1,4-Dichlorobenzene	146	7.853	7.850	0.003	3047616	27.0	5
23 1,3-Dichlorobenzene	146	7.916	7.917	-0.001	3164448	26.8	5
24 Benzyl alcohol	79	8.007	8.004	0.003	2150923	34.0	5
25 1,2-Dichlorobenzene	146	8.060	8.061	-0.001	2872067	31.6	5
26 2-Methylphenol	108	8.089	8.085	0.004	2363076	29.7	5
27 2,2'-oxybis[1-chloropropane]	45	8.118	8.114	0.004	4044235	25.6	5
28 3 & 4 Methylphenol	108	8.223	8.215	0.008	2462606	29.6	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	8.243	8.234	0.009	1854363	31.4	5
30 Acetophenone	105	8.252	8.249	0.003	3468256	29.5	5
31 Hexachloroethane	117	8.368	8.364	0.004	1136274	28.8	5
32 Nitrobenzene	77	8.416	8.412	0.004	2754739	11.9	5
33 Isophorone	82	8.613	8.605	0.008	4550172	12.2	5
35 2,4-Dimethylphenol	107	8.685	8.682	0.003	2649312	12.3	5
34 2-Nitrophenol	139	8.690	8.687	0.004	1547647	14.2	
36 Benzoic acid	105	8.767	8.705	0.062	1514189	20.4	5
37 Bis(2-chloroethoxy)methane	93	8.772	8.763	0.009	2734191	11.7	5
38 2,4-Dichlorophenol	162	8.892	8.888	0.004	2124104	12.2	5
39 1,2,4-Trichlorobenzene	180	8.974	8.970	0.004	2386399	20.1	5
40 Alpha-Terpineol	59	9.027	9.018	0.009	2327553	12.2	5
41 Naphthalene	128	9.055	9.052	0.003	6792310	12.1	5
42 4-Chloroaniline	127	9.079	9.071	0.008	3245880	11.3	5
43 Hexachlorobutadiene	225	9.137	9.134	0.003	1255690	11.5	5
44 Caprolactam	55	9.392	9.360	0.032	1108087	14.4	5
45 4-Chloro-3-methylphenol	107	9.459	9.451	0.008	2225390	13.7	
46 2-Methylnaphthalene	142	9.642	9.634	0.008	5015808	10.8	5
47 1-Methylnaphthalene	142	9.729	9.725	0.004	4932936	10.9	5
48 Hexachlorocyclopentadiene	237	9.767	9.764	0.003	1064701	21.2	5
49 1,2,4,5-Tetrachlorobenzene	216	9.782	9.778	0.004	2086603	11.3	5
50 2,4,6-Trichlorophenol	196	9.863	9.860	0.003	1476881	20.9	5
51 2,4,5-Trichlorophenol	196	9.902	9.898	0.004	1542511	20.8	5
52 1,1'-Biphenyl	154	10.027	10.023	0.004	5612516	19.3	
53 2-Chloronaphthalene	162	10.065	10.062	0.003	5783703	21.4	5
54 Phenyl ether	170	10.104	10.100	0.004	3382343	11.4	5
68 4-Nitroaniline	138	10.133	10.124	0.009	1705952	20.9	5
56 Dimethyl phthalate	163	10.248	10.240	0.008	5307566	20.7	5
57 2,6-Dinitrotoluene	165	10.320	10.312	0.008	1324010	23.2	5
58 Acenaphthylene	152	10.426	10.422	0.004	6871356	19.9	
59 3-Nitroaniline	138	10.474	10.466	0.008	1320454	20.9	5
60 2,4-Dinitrophenol	184	10.556	10.552	0.004	557344	20.0	
61 Acenaphthene	153	10.570	10.562	0.008	5027591	20.7	5
62 4-Nitrophenol	109	10.575	10.562	0.013	829374	21.0	5
63 2,4-Dinitrotoluene	165	10.666	10.658	0.008	1766420	21.2	5
64 Dibenzofuran	168	10.710	10.706	0.004	6135105	19.4	
65 2,3,4,6-Tetrachlorophenol	232	10.801	10.793	0.008	1163050	21.3	5
66 Diethyl phthalate	149	10.830	10.826	0.004	5365704	20.5	5
67 4-Chlorophenyl phenyl ether	204	10.969	10.966	0.003	2575079	22.0	5
55 2-Nitroaniline	65	10.998	10.985	0.013	1575216	21.2	5
69 Fluorene	166	11.003	11.000	0.003	5580689	21.0	5
70 4,6-Dinitro-2-methylphenol	198	11.013	11.004	0.009	850981	20.5	5
71 Diphenylamine	169	11.065	11.057	0.008	4767796	21.2	5
72 N-Nitrosodiphenylamine	169	11.065	11.057	0.008	4767796	21.2	5
74 Azobenzene	77	11.109	11.101	0.008	8488649	20.7	5
73 1,2-Diphenylhydrazine	77	11.109	11.101	0.008	8488649	20.7	5
13 Benzophenone	105	11.118	11.110	0.008	5552812	22.6	5
75 4-Bromophenyl phenyl ether	248	11.388	11.384	0.004	1366417	21.6	5
77 Atrazine	200	11.479	11.471	0.008	1548685	20.5	5
76 Hexachlorobenzene	284	11.474	11.471	0.003	1339489	22.0	5
78 Pentachlorophenol	266	11.628	11.625	0.003	800299	20.7	5
79 Pentachloronitrobenzene	237	11.638	11.634	0.004	651097	21.4	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.830	11.822	0.008	6727870	18.9	
81 Anthracene	178	11.873	11.865	0.008	6678787	20.0	5
83 Carbazole	167	11.989	11.981	0.008	5857930	20.8	5
84 Di-n-butyl phthalate	149	12.210	12.207	0.003	7471416	17.8	
87 Fluoranthene	202	13.008	13.000	0.008	6716971	21.8	5
86 Benzidine	184	13.109	13.101	0.008	2226293	20.0	
85 Pyrene	202	13.311	13.303	0.008	7183007	17.8	
89 Butyl benzyl phthalate	149	14.148	14.145	0.004	3608107	21.5	5
92 Bis(2-ethylhexyl) phthalate	149	15.288	15.284	0.004	4914932	20.3	5
91 3,3'-Dichlorobenzidine	252	15.297	15.291	0.006	1600028	21.1	5
93 Benzo[a]anthracene	228	15.389	15.380	0.009	4680598	21.3	5
94 Chrysene	228	15.456	15.448	0.008	4386350	20.4	5
95 Di-n-octyl phthalate	149	16.341	16.337	0.004	6664822	20.9	5
97 Benzo[b]fluoranthene	252	17.139	17.121	0.018	3534752	22.1	5
98 Benzo[k]fluoranthene	252	17.182	17.169	0.013	3303168	22.5	5
99 Benzo[a]pyrene	252	17.745	17.737	0.008	2657127	24.3	5
100 Indeno[1,2,3-cd]pyrene	276	20.289	20.276	0.013	1974687	22.5	5
101 Dibenz(a,h)anthracene	278	20.313	20.295	0.018	1631243	22.6	5
102 Benzo[g,h,i]perylene	276	21.029	21.002	0.027	1553628	20.5	5

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 22-Sep-2009 11:00:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D

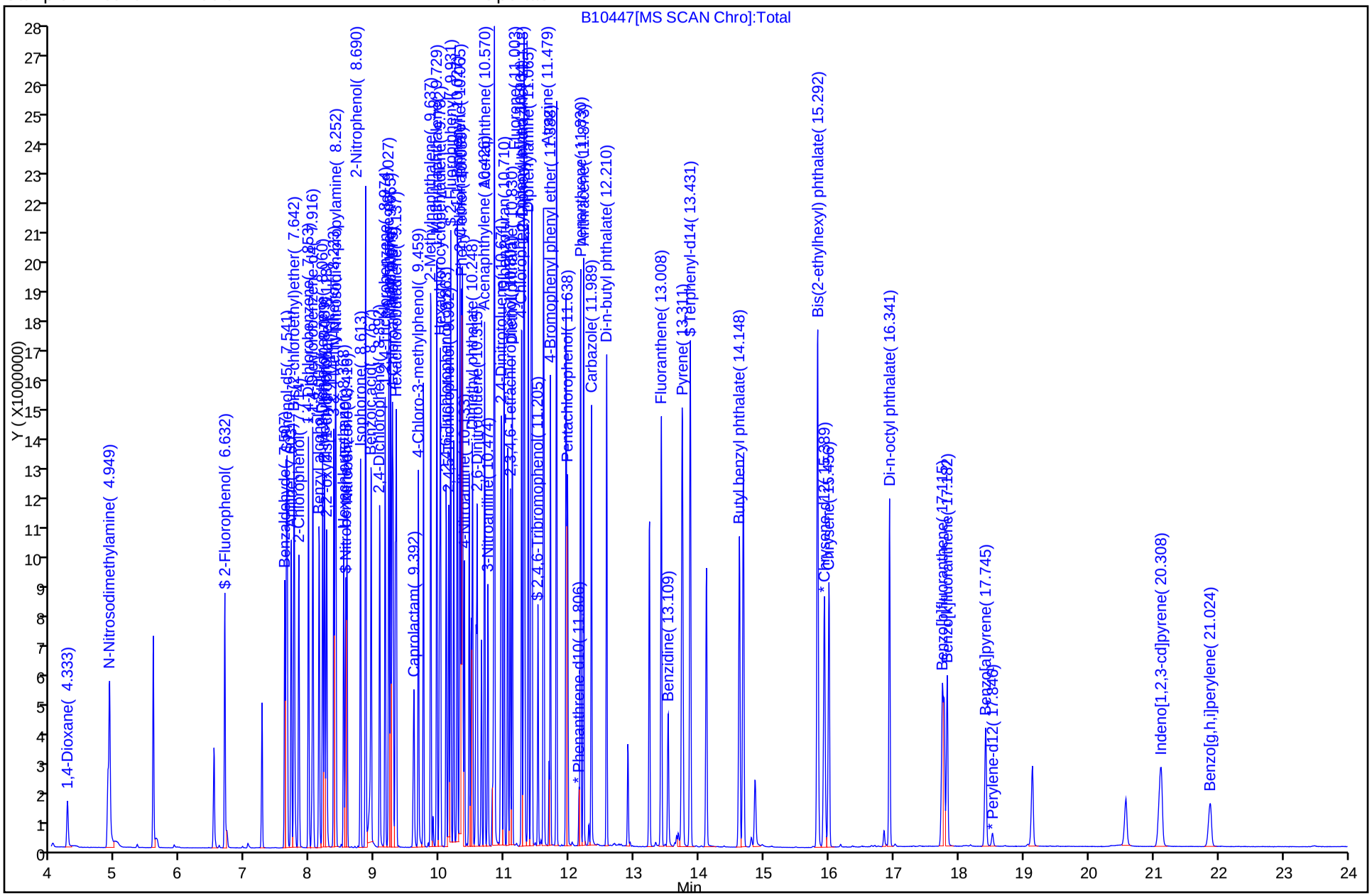
Inj Date: 21-Sep-2009 19:31:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 10

Client ID: Instrument: Inst. B

Sample Info: std20

Sample Amount: 1.00 ul Operator: MZ

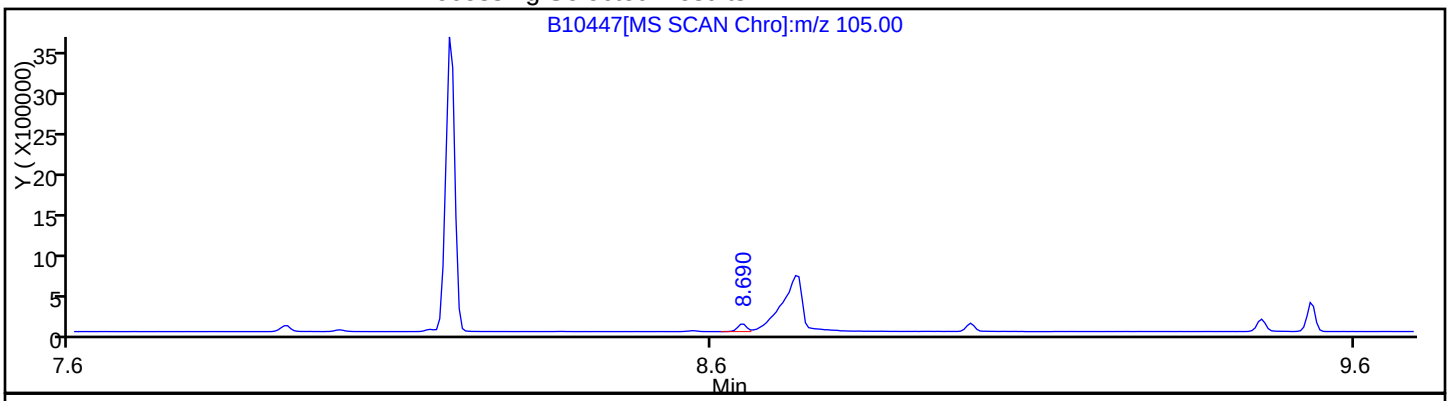


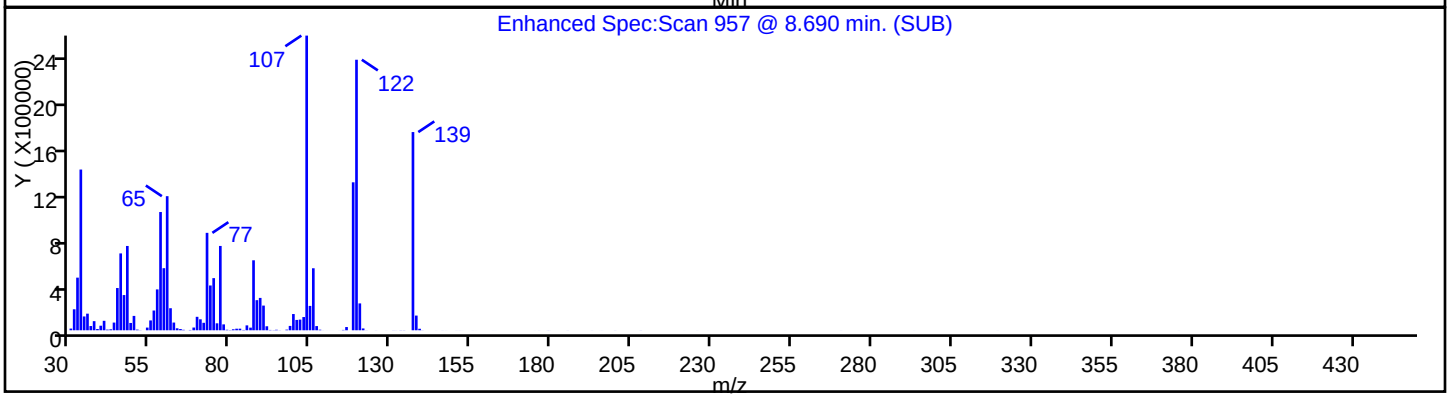
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Inj Date:	21-Sep-2009 19:31:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	1.00 ul	Operator:	MZ

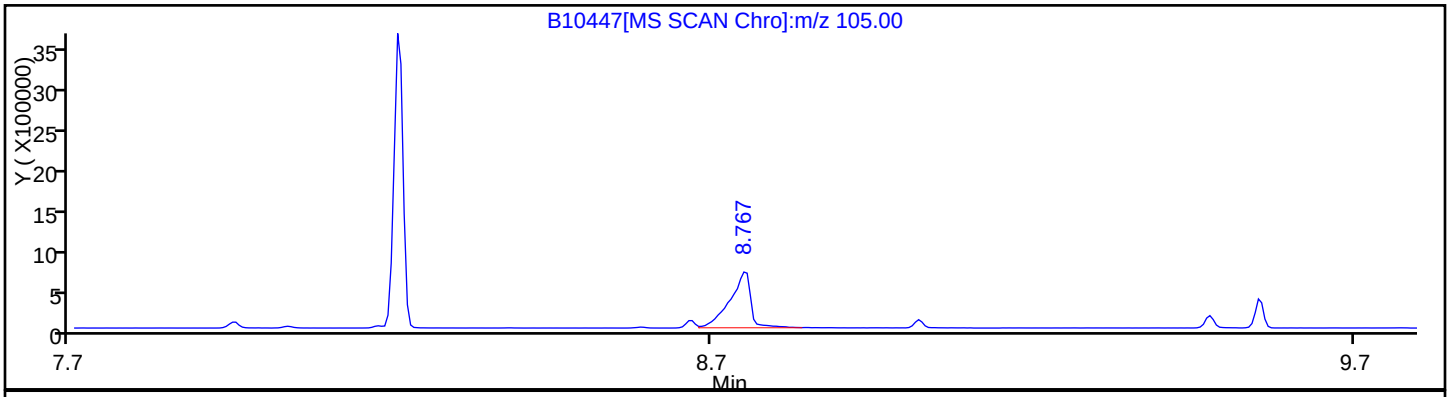
36 Benzoic acid

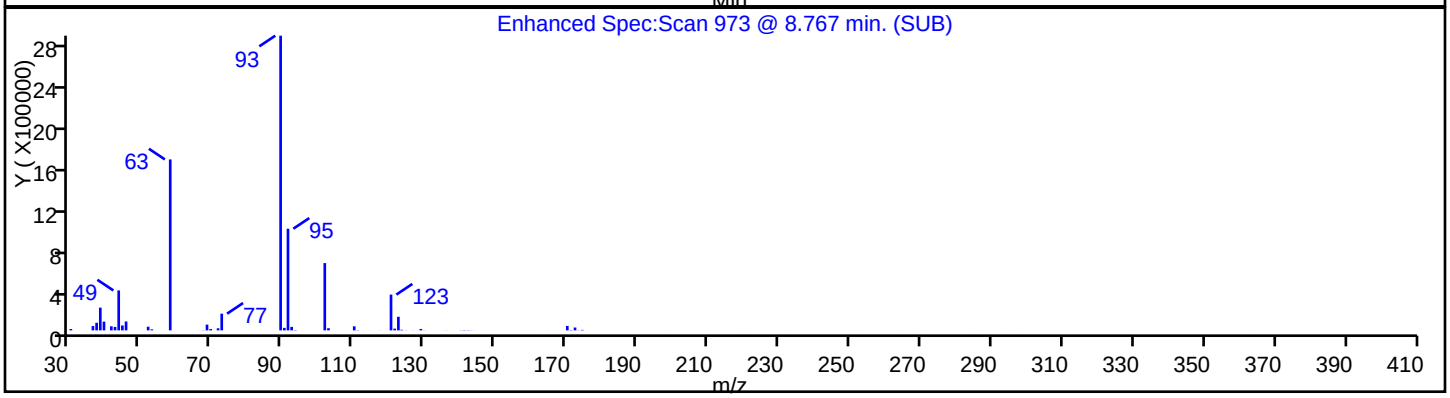
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 22-Sep-2009 11:00:19
Audit Action: Selected Alternate Hit
Audit Reason:

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49846

SDG No.: OCRI-09A

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2009 10:34 Calibration End Date: 10/04/2009 14:57 Calibration ID: 4864

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49846/3	J03295.D
Level 2	STD025 360-49846/4	J03296.D
Level 3	STD05 360-49846/5	J03297.D
Level 4	STD1 360-49846/6	J03298.D
Level 5	STD25 360-49846/7	J03299.D
Level 6	STD5 360-49846/2	J03294.D
Level 7	STD8 360-49846/8	J03300.D
Level 8	STD10 360-49846/9	J03301.D
Level 9	STD20 360-49846/10	J03302.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Pyridine	+++++ 0.6779	0.5425 0.5790	0.6001 0.7084	0.6419 1.7206	0.6395	Ave		0.6562				15.0		15.0			
N-Nitrosodimethylamine	0.3923 0.3762	0.4825 0.3362	0.3751 0.4012	0.3723 0.8993	0.3736	Ave		0.3954				11.0		15.0			
Benzoic acid	+++++ 0.0061	+++++ 0.0158	+++++ 0.0408	0.0089 0.1403	0.0027	Qua	-0.011	-0.004	0.0038						0.9910		0.9900
Benzaldehyde	0.3372 0.2763	0.2959 0.2501	0.2690 0.3074	0.2958 0.7042	0.2766	Ave		0.2956				11.0		15.0			
2,4-Dinitrophenol	+++++ 0.0337	+++++ 0.0604	+++++ 0.0927	0.0085 0.2124	0.0262	Qua	-0.117	0.0667	0.0023		0.0500				0.9870	*	0.9900
4-Nitrophenol	+++++ 0.0946	+++++ 0.1253	+++++ 0.1523	0.0515 0.3056	0.0907	Lin	-0.202	0.1623			0.0500				0.9930		0.9900
Phenol	1.1303 0.9357	1.0611 0.8393	1.0037 1.0081	1.0427 2.2322	0.9999	Ave		1.0152				8.8		15.0			
Aniline	1.0623 0.9514	0.9866 0.8771	0.9714 1.0575	1.0345 2.4164	0.9910	Ave		1.0156				9.1		15.0			
Bis(2-chloroethyl)ether	0.8628 0.6554	0.8053 0.5882	0.7648 0.6969	0.7692 1.5579	0.7182	Ave		0.7378				11.0		15.0			
2-Chlorophenol	0.6571 0.6595	0.7078 0.5951	0.6904 0.7028	0.6969 1.6179	0.6918	Ave		0.6900				8.2		15.0			
1,4-Dichlorobenzene	0.9994 0.7587	1.0035 0.6641	0.9240 0.7911	0.9025 1.7624	0.7997	Ave		0.8582				13.0		15.0			
1,3-Dichlorobenzene	1.0556 0.7659	0.9761 0.6854	0.9449 0.8032	0.9200 1.8122	0.8309	Ave		0.8765				13.0		15.0			
4,6-Dinitro-2-methylphenol	+++++ 0.0613	+++++ 0.0879	+++++ 0.1122	0.0274 0.2468	0.0474	Qua	-0.125	0.0965	0.0017						0.9930		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49846

SDG No.: OCRI-09A

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2009 10:34 Calibration End Date: 10/04/2009 14:57 Calibration ID: 4864

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2-Nitrophenol	+++++ 0.1195	0.0715 0.1112	0.0836 0.1069	0.1036 0.1676	0.1221	Lin2	-0.012	0.1159							0.9940		0.9900
Benzyl alcohol	0.5700 0.5926	0.5504 0.5321	0.5068 0.6439	0.5586 1.5555	0.5929	Ave		0.5917				14.0		15.0			
1,2-Dichlorobenzene	0.9359 0.7112	0.9011 0.6287	0.8639 0.7481	0.8271 1.6884	0.7499	Ave		0.8011				12.0		15.0			
2-Methylphenol	0.5891 0.5946	0.5811 0.5353	0.5847 0.6382	0.6132 1.4440	0.6192	Ave		0.6086				8.4		15.0			
2,2'-oxybis[1-chloropropane]	0.8313 0.6256	0.8034 0.5661	0.7412 0.6655	0.7562 1.5249	0.6681	Ave		0.7133				12.0		15.0			
Acetophenone	0.9021 0.8935	0.8866 0.8187	0.9027 0.9778	0.9440 2.2130	0.9550	Ave		0.9319				8.6		15.0			
3 & 4 Methylphenol	0.5756 0.6066	0.5590 0.5629	0.6004 0.6666	0.6373 1.5148	0.6467	Ave		0.6236				10.0		15.0			
N-Nitrosodi-n-propylamine	0.5025 0.5058	0.5052 0.4661	0.4915 0.5622	0.5503 1.3042	0.5410	Ave		0.5307			0.0500	10.0		15.0			
Pentachlorophenol	+++++ 0.0686	+++++ 0.0889	+++++ 0.1064	0.0178 0.2337	0.0471	Lin	-0.205	0.1252							0.9930		0.9900
Hexachloroethane	0.3772 0.3074	0.3299 0.2838	0.3485 0.3390	0.3524 0.7669	0.3231	Ave		0.3383				9.4		15.0			
Nitrobenzene	0.3305 0.3051	0.3302 0.2693	0.3403 0.2509	0.3414 0.3798	0.3322	Ave		0.3125				11.0		15.0			
Caprolactam	+++++ 0.0593	0.0345 0.0585	0.0311 0.0583	0.0394 0.0912	0.0547	Lin1	-0.010	0.0595							0.9970		0.9900
Isophorone	0.4835 0.5206	0.4902 0.4666	0.4850 0.4388	0.5248 0.6609	0.5551	Ave		0.4772				14.0		15.0			
2,4-Dimethylphenol	0.2632 0.2704	0.2828 0.2323	0.2840 0.2158	0.2909 0.3300	0.2829	Ave		0.2653				10.0		15.0			
Bis(2-chloroethoxy)methane	0.3689 0.3029	0.3723 0.2634	0.3603 0.2444	0.3456 0.3674	0.3232	Ave		0.3226				15.0		15.0			
Hexachlorocyclopentadiene	+++++ 0.1637	0.1133 0.2098	0.1229 0.2437	0.1664 0.5120	0.1958	Lin	-0.174	0.2580			0.0500				0.9910		0.9900
2,4-Dichlorophenol	0.1390 0.1856	0.1535 0.1650	0.1660 0.1534	0.1832 0.2351	0.1897	Ave		0.1614				15.0		15.0			
2,4,6-Trichlorophenol	+++++ 0.3167	0.1515 0.3321	0.1877 0.3398	0.2417 0.6820	0.2883	Lin2	-0.050	0.3238							0.9920		0.9900
1,2,4-Trichlorobenzene	0.3675 0.2321	0.3098 0.1991	0.2922 0.1826	0.2898 0.2677	0.2564	Qua	0.0418	0.2373	-0.005						0.9980		0.9900
2,4,5-Trichlorophenol	+++++ 0.2983	0.1759 0.3261	0.1793 0.3377	0.2362 0.6885	0.2767	Lin1	-0.067	0.3378							0.9970		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49846

SDG No.: OCRI-09A

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2009 10:34 Calibration End Date: 10/04/2009 14:57 Calibration ID: 4864

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Alpha-Terpineol	0.1908 0.1902	0.1821 0.1697	0.1835 0.1581	0.1856 0.2401	0.2020	Ave		0.1758				14.0		15.0			
Naphthalene	1.1403 0.7808	1.0387 0.6831	0.9696 0.6233	0.9414 0.9238	0.8736	Qua	0.1243	0.8085	-0.018						0.9990		0.9900
4-Chloroaniline	0.2644 0.2703	0.2761 0.2487	0.2642 0.2297	0.2778 0.3575	0.2949	Ave		0.2561				13.0		15.0			
Benzidine	+++++ 0.0896	+++++ 0.1081	+++++ 0.1388	0.0632 0.2844	0.0665	Lin	-0.209	0.1511							0.9910		0.9900
Hexachlorobutadiene	0.1851 0.1340	0.1881 0.1125	0.1683 0.1055	0.1655 0.1539	0.1473	Qua	0.0243	0.1357	-0.003						0.9980		0.9900
4-Chloro-3-methylphenol	0.1769 0.2088	0.1682 0.1934	0.1776 0.1803	0.1990 0.2783	0.2229	Ave		0.1851				13.0		15.0			
2-Methylnaphthalene	0.5991 0.4872	0.6042 0.4346	0.5727 0.3985	0.5737 0.5894	0.5420	Ave		0.5265				15.0		15.0			
1-Methylnaphthalene	0.6729 0.4857	0.6173 0.4343	0.5798 0.3936	0.5710 0.5797	0.5491	Qua	0.0615	0.5145	-0.011						0.9990		0.9900
1,2,4,5-Tetrachlorobenzene	0.2661 0.1905	0.2578 0.1697	0.2350 0.1509	0.2326 0.2218	0.2148	Qua	0.0297	0.1997	-0.005						0.9980		0.9900
2,3,4,6-Tetrachlorophenol	+++++ 0.1992	0.0692 0.2292	0.0719 0.2421	0.1321 0.5070	0.1830	Lin1	-0.073	0.2444							0.9930		0.9900
4-Nitroaniline	+++++ 0.1144	0.0586 0.1338	0.0493 0.1574	0.0812 0.3036	0.1226	Lin1	-0.040	0.1481							0.9900		0.9900
1,1'-Biphenyl	1.7476 1.5050	1.6532 1.4990	1.5287 1.4764	1.5132 2.8769	1.4284	Ave		1.5322				6.8		15.0			
2-Chloronaphthalene	1.5164 1.3116	1.4127 1.3228	1.3547 1.3326	1.3292 2.6314	1.2796	Ave		1.3528				5.3		15.0			
Phenyl ether	0.4454 0.2997	0.3811 0.2678	0.3691 0.2433	0.3550 0.3621	0.3415	Qua	0.0425	0.3155	-0.007						0.9990		0.9900
2-Nitroaniline	0.1848 0.2913	0.1566 0.3320	0.1596 0.3547	0.1861 0.7391	0.2684	Lin	-0.175	0.3722							0.9970		0.9900
Dimethyl phthalate	1.1160 1.3937	1.1757 1.4041	1.2222 1.3773	1.2711 2.7222	1.3333	Ave		1.2949				8.0		15.0			
2,6-Dinitrotoluene	0.1680 0.2924	0.1685 0.3086	0.1909 0.3042	0.2211 0.6064	0.2755	Lin1	-0.028	0.3031							0.9980		0.9900
Acenaphthylene	1.3333 1.8306	1.4586 1.8647	1.5280 1.8299	1.6564 3.6756	1.7174	Ave		1.6730				12.0		15.0			
Atrazine	+++++ 0.2171	0.1326 0.2136	0.1319 0.2075	0.1635 0.4251	0.1985	Lin2	-0.023	0.2077							0.9910		0.9900
3-Nitroaniline	0.0249 0.1909	0.1052 0.2238	0.1143 0.2414	0.1422 0.4784	0.1950	Lin1	-0.034	0.2315							0.9930		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49846

SDG No.: OCRI-09A

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2009 10:34 Calibration End Date: 10/04/2009 14:57 Calibration ID: 4864

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Acenaphthene	1.3084 1.1962	1.2811 1.1947	1.1533 1.1892	1.1653 2.3317	1.1584	Ave		1.2014				4.6		15.0			
Dibenzofuran	1.5181 1.4550	1.5284 1.4977	1.3635 1.5084	1.4162 2.9806	1.4232	Ave		1.4668				3.8		15.0			
2,4-Dinitrotoluene	0.1147 0.2946	0.1280 0.3436	0.1410 0.3519	0.1893 0.7269	0.2795	Lin1	-0.052	0.3480							0.9910		0.9900
Diethyl phthalate	1.2197 1.4049	1.1377 1.4470	1.1002 1.4374	1.2131 2.8846	1.3501	Ave		1.3058				11.0		15.0			
4-Chlorophenyl phenyl ether	0.5499 0.5783	0.5825 0.5884	0.5509 0.5802	0.5580 1.1458	0.5803	Ave		0.5713				2.5		15.0			
Fluorene	1.0685 1.1645	1.0808 1.2296	0.9974 1.2392	1.0697 2.4604	1.1749	Ave		1.1394				7.7		15.0			
Diphenylamine	0.6268 0.7932	0.6857 0.7589	0.6964 0.7580	0.7341 1.5284	0.7276	Ave		0.7272				7.0		15.0			
N-Nitrosodiphenylamine	0.6268 0.7932	0.6857 0.7589	0.6964 0.7580	0.7341 1.5284	0.7276	Ave		0.7272				7.0		15.0			
1,2-Diphenylhydrazine	0.7242 1.1849	0.8001 1.1219	0.8889 1.1142	1.0187 2.3454	1.0747	Lin2	-0.045	1.1006							0.9930		0.9900
Azobenzene	0.7242 1.1849	0.8001 1.1219	0.8889 1.1142	1.0187 2.3454	1.0747	Lin2	-0.045	1.1006							0.9930		0.9900
Benzophenone	0.5092 0.8560	0.5695 0.8283	0.6560 0.8063	0.7568 1.6815	0.7743	Lin2	-0.034	0.8015							0.9940		0.9900
3,3'-Dichlorobenzidine	+++++ 0.2109	+++++ 0.2396	0.1088 0.2622	0.1286 0.5673	0.1466	Lin	-0.272	0.2920							0.9960		0.9900
4-Bromophenyl phenyl ether	0.2323 0.2583	0.2490 0.2378	0.2703 0.2313	0.2395 0.4706	0.2300	Ave		0.2426				5.7		15.0			
Hexachlorobenzene	0.3440 0.2878	0.3400 0.2654	0.3101 0.2498	0.2920 0.5055	0.2674	Ave		0.2899				12.0		15.0			
Pentachloronitrobenzene	0.0624 0.1216	0.0730 0.1185	0.0858 0.1144	0.0959 0.2350	0.1060	Lin1	-0.009	0.1174							0.9990		0.9900
Phenanthrene	1.3635 1.1019	1.2066 1.0827	1.0863 1.0916	1.1438 2.1996	1.0471	Ave		1.1359				8.5		15.0			
Anthracene	0.6506 0.9800	0.7276 0.9905	0.7701 1.0475	0.8808 2.1043	0.9232	Lin2	-0.038	0.9667							0.9920		0.9900
Carbazole	0.4432 0.7195	0.5171 0.7518	0.4673 0.8267	0.6410 1.5702	0.6508	Lin1	-0.067	0.7785							0.9960		0.9900
Butyl benzyl phthalate	+++++ 0.8000	0.4352 0.7713	0.4190 0.6716	0.4244 1.6385	0.6614	Lin1	-0.159	0.7818							0.9910		0.9900
Di-n-butyl phthalate	1.0207 1.5603	0.8705 1.5564	0.9014 1.4852	1.0984 3.1527	1.3901	Lin1	-0.137	1.5462							0.9970		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49846

SDG No.: OCRI-09A

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2009 10:34 Calibration End Date: 10/04/2009 14:57 Calibration ID: 4864

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Fluoranthene	0.6856 0.8526	0.6919 0.8818	0.6572 0.9559	0.7909 1.8031	0.7884	Ave		0.8007				13.0		15.0			
Pyrene	2.1812 1.7464	1.8256 1.5641	1.7252 1.3500	1.4783 3.0160	1.5729	Ave		1.6613				15.0		15.0			
Di-n-octyl phthalate	+++++ 1.2900	1.0577 1.5168	0.7790 1.5527	0.6555 4.0063	0.9824	Qua	-0.349	1.1725	0.0425						1.0000		0.9900
Benzo[a]anthracene	0.7024 0.9643	0.7016 0.9608	0.6041 0.9651	0.7185 2.0234	0.8618	Lin1	-0.075	0.9819							0.9970		0.9900
Bis(2-ethylhexyl) phthalate	0.9062 0.9525	0.5872 1.0371	0.5055 0.9309	0.4711 2.2868	0.8318	Lin	-0.579	1.1296							0.9920		0.9900
Chrysene	1.1100 0.9686	1.1229 0.9496	0.9274 0.9373	1.0355 1.9321	0.9359	Ave		0.9948				7.6		15.0			
Benzo[b]fluoranthene	1.5007 1.3551	1.6939 1.2996	1.3962 1.3307	1.2291 2.7301	1.2131	Ave		1.3759				11.0		15.0			
Benzo[k]fluoranthene	1.8061 1.6034	1.2048 1.4798	1.4714 1.3055	1.3740 2.8790	1.5238	Ave		1.4676				12.0		15.0			
Benzo[a]pyrene	1.0823 1.0123	0.7854 1.0110	0.6443 1.0329	0.6561 2.1947	0.8651	Lin1	-0.068	1.0451							0.9930		0.9900
Indeno[1,2,3-cd]pyrene	0.4117 0.9987	0.6198 0.9051	0.7632 0.9161	0.6847 1.8831	0.8136	Lin2	-0.052	0.8864							0.9900		0.9900
Dibenz(a,h)anthracene	0.4316 0.7989	0.4586 0.6958	0.5942 0.7224	0.5715 1.5313	0.6824	Lin1	-0.056	0.7462							0.9970		0.9900
Benzo[g,h,i]perylene	0.8201 0.8894	0.8159 0.7755	0.8257 0.7622	0.7717 1.4758	0.8185	Ave		0.8019				5.6		15.0			
2-Fluorophenol	0.6886 0.6429	0.6427 0.5685	0.6521 0.6852	0.6642 1.5622	0.6451	Ave		0.6634				8.5		15.0			
Phenol-d5	0.8392 0.7593	0.7698 0.6999	0.7766 0.8317	0.8294 1.8797	0.8057	Ave		0.8057				8.3		15.0			
Nitrobenzene-d5	0.3081 0.2991	0.3175 0.2615	0.3063 0.2474	0.3272 0.3766	0.3176	Ave		0.2981				9.6		15.0			
2-Fluorobiphenyl	1.6937 1.4446	1.6165 1.4060	1.5040 1.3937	1.4646 2.7094	1.3772	Ave		1.4728				7.8		15.0			
2,4,6-Tribromophenol	+++++ 0.1053	0.0394 0.1057	0.0425 0.1129	0.0696 0.2357	0.0874	Lin1	-0.030	0.1147							0.9960		0.9900
Terphenyl-d14	+++++ 1.0046	1.0590 0.9018	1.0372 0.8120	0.9061 1.7894	0.9054	Ave		0.9401				9.0		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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49846

SDG No.: OCRI-09A

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2009 10:34 Calibration End Date: 10/04/2009 14:57 Calibration ID: 4864

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49846/3	J03295.D
Level 2	STD025 360-49846/4	J03296.D
Level 3	STD05 360-49846/5	J03297.D
Level 4	STD1 360-49846/6	J03298.D
Level 5	STD25 360-49846/7	J03299.D
Level 6	STD5 360-49846/2	J03294.D
Level 7	STD8 360-49846/8	J03300.D
Level 8	STD10 360-49846/9	J03301.D
Level 9	STD20 360-49846/10	J03302.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Pyridine	DCB	Ave	+++++ 82911	2475 124838	5841 178925	12037 390783	35576	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
N-Nitrosodimethylamine	DCB	Ave	698 46009	2201 72482	3651 101344	6982 204242	20782	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Benzoic acid	NPT	Qua	+++++ 1890	+++++ 8918	+++++ 34716	406 162591	381	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 10.0	2.50
Benzaldehyde	DCB	Ave	600 33798	1350 53930	2618 77655	5547 159938	15388	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2,4-Dinitrophenol	ANT	Qua	+++++ 3802	+++++ 11200	+++++ 23716	166 56571	1557	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 10.0	2.50
4-Nitrophenol	ANT	Lin	+++++ 10672	+++++ 23244	+++++ 38950	1008 81400	5385	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 10.0	2.50
Phenol	DCB	Ave	2011 114440	4841 180943	9770 254621	19554 506981	55626	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Aniline	DCB	Ave	1890 116365	4501 189097	9456 267113	19399 548815	55130	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Bis(2-chloroethyl)ether	DCB	Ave	1535 80153	3674 126815	7445 176032	14425 353836	39955	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2-Chlorophenol	DCB	Ave	1169 80656	3229 128297	6720 177514	13068 367463	38485	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
1,4-Dichlorobenzene	DCB	Ave	1778 92795	4578 143190	8994 199806	16924 400285	44489	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
1,3-Dichlorobenzene	DCB	Ave	1878 93668	4453 147780	9198 202868	17253 411578	46226	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
4,6-Dinitro-2-methylphenol	PHN	Qua	+++++ 7852	+++++ 20811	+++++ 37806	589 85521	3471	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 10.0	2.50
2-Nitrophenol	NPT	Lin2	+++++ 36754	765 62887	1892 90869	4721 194216	16917	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49846

SDG No.: OCRI-09A

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2009 10:34 Calibration End Date: 10/04/2009 14:57 Calibration ID: 4864

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Benzyl alcohol	DCB	Ave	1014 72483	2511 114714	4933 162646	10476 353289	32982	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
1,2-Dichlorobenzene	DCB	Ave	1665 86988	4111 135552	8409 188960	15510 383468	41717	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2-Methylphenol	DCB	Ave	1048 72727	2651 115418	5691 161200	11499 327955	34449	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2,2'-oxybis[1-chloropropane]	DCB	Ave	1479 76520	3665 122048	7215 168085	14180 346333	37168	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Acetophenone	DCB	Ave	1605 109274	4045 176522	8787 246976	17703 502613	53131	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
3 & 4 Methylphenol	DCB	Ave	1024 74186	2550 121359	5844 168372	11951 344036	35977	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
N-Nitrosodi-n-propylamine	DCB	Ave	894 61860	2305 100488	4784 141989	10320 296208	30097	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Pentachlorophenol	PHN	Lin	+++++ 8785	+++++ 21038	+++++ 35855	383 81001	3447	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 10.0	2.50
Hexachloroethane	DCB	Ave	671 37599	1505 61186	3392 85637	6609 174170	17976	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Nitrobenzene	NPT	Ave	1370 93868	3532 152327	7701 213285	15552 440173	46040	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Caprolactam	NPT	Lin1	+++++ 18257	369 33091	704 49593	1794 105749	7581	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Isophorone	NPT	Ave	2004 160169	5244 263968	10976 373035	23909 765896	76942	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2,4-Dimethylphenol	NPT	Ave	1091 83188	3025 131430	6427 183487	13254 382414	39206	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Bis(2-chloroethoxy)methane	NPT	Ave	1529 93203	3983 149044	8154 207781	15744 425794	44799	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Hexachlorocyclopentadiene	ANT	Lin	+++++ 18464	516 38935	1213 62330	3259 136349	11621	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2,4-Dichlorophenol	NPT	Ave	576 57118	1642 93363	3756 130427	8347 272517	26289	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2,4,6-Trichlorophenol	ANT	Lin2	+++++ 35716	690 61636	1852 86918	4734 181621	17109	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
1,2,4-Trichlorobenzene	NPT	Qua	1523 71423	3314 112628	6612 155240	13202 310201	35541	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2,4,5-Trichlorophenol	ANT	Lin1	+++++ 33647	801 60515	1769 86370	4627 183363	16419	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Alpha-Terpineol	NPT	Ave	791 58523	1948 96012	4153 134391	8457 278270	27997	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Naphthalene	NPT	Qua	4726 240223	11112 386450	21944 529860	42891 1070674	121085	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49846

SDG No.: OCRI-09A

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2009 10:34 Calibration End Date: 10/04/2009 14:57 Calibration ID: 4864

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4-Chloroaniline	NPT	Ave	1096 83167	2954 140689	5979 195311	12658 414368	40880	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Benzidine	PHN	Lin	+++++ 11475	+++++ 25585	+++++ 46776	1357 98566	4862	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 10.0	2.50
Hexachlorobutadiene	NPT	Qua	767 41242	2012 63650	3808 89648	7538 178363	20421	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
4-Chloro-3-methylphenol	NPT	Ave	733 64251	1799 109416	4020 153235	9064 322478	30890	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2-Methylnaphthalene	NPT	Ave	2483 149889	6463 245897	12960 338777	26137 683041	75125	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
1-Methylnaphthalene	NPT	Qua	2789 149429	6604 245729	13122 334582	26015 671828	76112	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
1,2,4,5-Tetrachlorobenzene	NPT	Qua	1103 58614	2758 96023	5318 128307	10596 257097	29768	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2,3,4,6-Tetrachlorophenol	ANT	Lin1	+++++ 22470	315 42538	709 61923	2588 135029	10860	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
4-Nitroaniline	ANT	Lin1	+++++ 12900	267 24832	486 40255	1591 80845	7276	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
1,1'-Biphenyl	ANT	Ave	3016 169733	7527 278173	15084 377641	29640 766180	84762	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2-Chloronaphthalene	ANT	Ave	2617 147927	6432 245475	13367 340863	26036 700816	75933	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Phenyl ether	NPT	Qua	1846 92216	4077 151509	8354 206854	16173 419661	47328	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2-Nitroaniline	ANT	Lin	319 32848	713 61602	1575 90732	3645 196851	15928	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Dimethyl phthalate	ANT	Ave	1926 157185	5353 260562	12059 352293	24899 724984	79117	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2,6-Dinitrotoluene	ANT	Lin1	290 32976	767 57260	1884 77807	4331 161491	16348	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Acenaphthylene	ANT	Ave	2301 206459	6641 346037	15077 468044	32445 978904	101912	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Atrazine	PHN	Lin2	+++++ 27802	620 50560	1310 69902	3511 147308	14525	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
3-Nitroaniline	ANT	Lin1	43 21530	479 41525	1128 61736	2785 127399	11573	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Acenaphthene	ANT	Ave	2258 134908	5833 221694	11380 304177	22825 620989	68739	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Dibenzofuran	ANT	Ave	2620 164097	6959 277926	13454 385816	27740 793821	84453	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2,4-Dinitrotoluene	ANT	Lin1	198 33223	583 63752	1391 89998	3708 193590	16588	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49846

SDG No.: OCRI-09A

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2009 10:34 Calibration End Date: 10/04/2009 14:57 Calibration ID: 4864

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Diethyl phthalate	ANT	Ave	2105 158450	5180 268511	10856 367648	23763 768239	80116	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
4-Chlorophenyl phenyl ether	ANT	Ave	949 65225	2652 109189	5436 148402	10931 305158	34433	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Fluorene	ANT	Ave	1844 131339	4921 228170	9841 316972	20953 655276	69721	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Diphenylamine	PHN	Ave	1055 101561	3205 179649	6916 255414	15759 529699	53233	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
N-Nitrosodiphenylamine	PHN	Ave	1055 101561	3205 179649	6916 255414	15759 529699	53233	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
1,2-Diphenylhydrazine	PHN	Lin2	1219 151708	3740 265568	8828 375435	21871 812839	78625	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Azobenzene	PHN	Lin2	1219 151708	3740 265568	8828 375435	21871 812839	78625	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Benzophenone	PHN	Lin2	857 109599	2662 196063	6515 271687	16247 582737	56647	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
3,3'-Dichlorobenzidine	CRY	Lin	+++++ 13588	+++++ 33481	419 65667	1518 120159	5577	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 10.0	2.50
4-Bromophenyl phenyl ether	PHN	Ave	391 33068	1164 56295	2684 77941	5142 163081	16829	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Hexachlorobenzene	PHN	Ave	579 36843	1589 62828	3080 84182	6269 175199	19564	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Pentachloronitrobenzene	PHN	Lin1	105 15572	341 28059	852 38553	2058 81430	7757	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Phenanthrene	PHN	Ave	2295 141080	5640 256278	10789 367793	24555 762291	76608	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Anthracene	PHN	Lin2	1095 125467	3401 234458	7648 352952	18910 729269	67540	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Carbazole	PHN	Lin1	746 92113	2417 177962	4641 278538	13762 544166	47615	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Butyl benzyl phthalate	CRY	Lin1	+++++ 51531	784 107797	1614 168195	5010 347047	25165	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Di-n-butyl phthalate	PHN	Lin1	1718 199768	4069 368416	8952 500411	23581 1092601	101696	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Fluoranthene	PHN	Ave	1154 109157	3234 208727	6527 322096	16979 624891	57679	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Pyrene	CRY	Ave	1295 112500	3289 218590	6645 338089	17451 638810	59848	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Di-n-octyl phthalate	PRY	Qua	+++++ 51140	971 141582	1585 293286	5088 581814	20465	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Benzo[a]anthracene	CRY	Lin1	417 62116	1264 134279	2327 241699	8482 428565	32792	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24365-2 Analy Batch No.: 49846

SDG No.: OCRI-09A

Instrument ID: Inst. J GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2009 10:34 Calibration End Date: 10/04/2009 14:57 Calibration ID: 4864

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Bis(2-ethylhexyl) phthalate	CRY	Lin	538 61355	1058 144942	1947 233118	5561 484361	31649	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Chrysene	CRY	Ave	659 62395	2023 132710	3572 234738	12223 409219	35610	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Benzo[b]fluoranthene	PRY	Ave	452 53718	1555 121309	2841 251362	9541 396485	25272	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Benzo[k]fluoranthene	PRY	Ave	544 63564	1106 138124	2994 246595	10666 418098	31745	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Benzo[a]pyrene	PRY	Lin1	326 40132	721 94371	1311 195112	5093 318728	18022	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Indeno[1,2,3-cd]pyrene	PRY	Lin2	124 39592	569 84481	1553 173037	5315 273469	16949	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Dibenz(a,h)anthracene	PRY	Lin1	130 31670	421 64943	1209 136456	4436 222385	14217	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Benzo[g,h,i]perylene	PRY	Ave	247 35259	749 72388	1680 143981	5990 214325	17051	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2-Fluorophenol	DCB	Ave	1225 78629	2932 122567	6348 173066	12456 354802	35886	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Phenol-d5	DCB	Ave	1493 92868	3512 150896	7559 210070	15553 426926	44825	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Nitrobenzene-d5	NPT	Ave	1277 92033	3396 147967	6932 210319	14909 436453	44021	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2-Fluorobiphenyl	ANT	Ave	2923 162931	7360 260905	14840 356482	28688 721572	81726	0.100 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
2,4,6-Tribromophenol	PHN	Lin1	+++++ 13483	184 25017	422 38024	1494 81693	6396	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50
Terphenyl-d14	CRY	Ave	+++++ 64713	1908 126025	3995 203337	10696 379013	34450	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 10.0	2.50

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03294.D		
Lims ID:	std5	Client ID:	
Inject. Date:	04-Oct-2009 10:34:30	Dil. Factor:	1.0000
Sample Type:	ICIS, ICal ISTD Check	Calib Level:	6
Sample ID:	5.0 ppm		
Misc. Info.:	3620C DPA		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	49846	Lims Sample ID:	2
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\8270NDMA.m		
Last Update:	05-Oct-2009 12:07:07	Calib Date:	04-Oct-2009 14:57:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03302.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	05-Oct-2009 11:36:41
Reviewed By:	sullivanp	Date:	05-Oct-2009 12:07:14

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.320	7.319	0.001	48922	2.00	
* 2 Naphthalene-d8	136	8.633	8.632	0.001	123066	2.00	
* 3 Acenaphthene-d10	164	10.398	10.396	0.002	45113	2.00	
* 4 Phenanthrene-d10	188	11.855	11.853	0.002	51213	2.00	
* 5 Chrysene-d12	240	14.519	14.518	0.001	25767	2.00	
* 6 Perylene-d12	264	15.990	15.989	0.001	15857	2.00	
$ 7 2-Fluorophenol	112	5.925	5.924	0.001	78629	4.85	
$ 8 Phenol-d5	99	7.003	7.001	0.001	92868	4.71	
$ 9 Nitrobenzene-d5	82	7.931	7.929	0.002	92033	5.02	
$ 10 2-Fluorobiphenyl	172	9.715	9.718	-0.003	162931	4.90	
$ 11 2,4,6-Tribromophenol	330	11.186	11.185	0.001	13483	4.85	
$ 12 Terphenyl-d14	244	13.432	13.431	0.001	64713	5.34	
16 Pyridine	79	3.343	3.347	-0.004	82911	5.17	M
15 N-Nitrosodimethylamine	74	3.420	3.419	0.001	46009	4.76	M
17 Benzaldehyde	105	6.873	6.872	0.001	33798	4.67	
18 Phenol	94	7.017	7.016	0.001	114440	4.61	
19 Aniline	93	7.027	7.030	-0.003	116365	4.68	
20 Bis(2-chloroethyl)ether	93	7.094	7.093	0.001	80153	4.44	
21 2-Chlorophenol	128	7.132	7.131	0.001	80656	4.78	
22 1,4-Dichlorobenzene	146	7.281	7.280	0.001	92795	4.42	
23 1,3-Dichlorobenzene	146	7.334	7.338	-0.004	93668	4.37	
24 Benzyl alcohol	79	7.493	7.497	-0.004	72483	5.01	
25 1,2-Dichlorobenzene	146	7.536	7.535	0.001	86988	4.44	
26 2-Methylphenol	108	7.628	7.627	0.001	72727	4.89	
27 2,2'-oxybis[1-chloropropane]	45	7.652	7.651	0.001	76520	4.39	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	7.772	7.771	0.001	109274	4.79	
28 3 & 4 Methylphenol	108	7.777	7.776	0.001	74186	4.86	
29 N-Nitrosodi-n-propylamine	70	7.791	7.795	-0.004	61860	4.76	
31 Hexachloroethane	117	7.844	7.843	0.001	37599	4.54	
32 Nitrobenzene	77	7.950	7.949	0.001	93868	4.88	
33 Isophorone	82	8.171	8.170	0.001	160169	5.45	
34 2-Nitrophenol	139	8.272	8.271	0.001	36754	5.25	
35 2,4-Dimethylphenol	107	8.301	8.300	0.001	83188	5.10	
37 Bis(2-chloroethoxy)methane	93	8.402	8.401	0.001	93203	4.69	
36 Benzoic acid	105	8.359	8.410	-0.051	1890	3.93	
38 2,4-Dichlorophenol	162	8.498	8.497	0.001	57118	5.75	
39 1,2,4-Trichlorobenzene	180	8.585	8.588	-0.003	71423	5.36	
40 Alpha-Terpineol	59	8.633	8.632	0.001	58523	5.41	
41 Naphthalene	128	8.652	8.651	0.001	240223	5.29	
42 4-Chloroaniline	127	8.729	8.733	-0.004	83167	5.28	
43 Hexachlorobutadiene	225	8.820	8.824	-0.004	41242	5.41	
44 Caprolactam	55	9.027	9.021	0.006	18257	5.16	
45 4-Chloro-3-methylphenol	107	9.200	9.194	0.006	64251	5.64	
46 2-Methylnaphthalene	142	9.335	9.334	0.001	149889	4.63	
47 1-Methylnaphthalene	142	9.445	9.444	0.001	149429	5.20	
49 1,2,4,5-Tetrachlorobenzene	216	9.542	9.540	0.002	58614	5.25	
48 Hexachlorocyclopentadiene	237	9.556	9.555	0.001	18464	3.85	
50 2,4,6-Trichlorophenol	196	9.643	9.641	0.002	35716	5.04	
51 2,4,5-Trichlorophenol	196	9.676	9.675	0.001	33647	4.61	
52 1,1'-Biphenyl	154	9.806	9.805	0.001	169733	4.91	
53 2-Chloronaphthalene	162	9.825	9.819	0.006	147927	4.85	
54 Phenyl ether	170	9.917	9.916	0.001	92216	5.20	
55 2-Nitroaniline	65	9.965	9.964	0.001	32848	4.38	
56 Dimethyl phthalate	163	10.157	10.156	0.001	157185	5.38	
57 2,6-Dinitrotoluene	165	10.239	10.238	0.001	32976	4.92	
58 Acenaphthylene	152	10.244	10.247	-0.003	206459	5.47	
59 3-Nitroaniline	138	10.373	10.372	0.001	21530	4.27	
61 Acenaphthene	153	10.426	10.425	0.001	134908	4.98	
60 2,4-Dinitrophenol	184	10.470	10.469	0.001	3802	3.79	
62 4-Nitrophenol	109	10.518	10.517	0.001	10672	4.16	
64 Dibenzofuran	168	10.580	10.579	0.001	164097	4.96	
63 2,4-Dinitrotoluene	165	10.619	10.622	-0.003	33223	4.38	
65 2,3,4,6-Tetrachlorophenol	232	10.744	10.743	0.001	22470	4.37	
66 Diethyl phthalate	149	10.845	10.844	0.001	158450	5.38	
67 4-Chlorophenyl phenyl ether	204	10.912	10.911	0.001	65225	5.06	
69 Fluorene	166	10.922	10.921	0.001	131339	5.11	
68 4-Nitroaniline	138	10.984	10.983	0.001	12900	4.13	
70 4,6-Dinitro-2-methylphenol	198	11.018	11.017	0.001	7852	4.17	
72 N-Nitrosodiphenylamine	169	11.042	11.041	0.001	101561	5.45	
71 Diphenylamine	169	11.042	11.041	0.001	101561	5.45	
73 1,2-Diphenylhydrazine	77	11.066	11.065	0.001	151708	5.42	
74 Azobenzene	77	11.066	11.065	0.001	151708	5.42	
13 Benzophenone	105	11.100	11.098	0.002	109599	5.38	
75 4-Bromophenyl phenyl ether	248	11.398	11.397	0.001	33068	5.32	
76 Hexachlorobenzene	284	11.552	11.551	0.002	36843	4.96	
77 Atrazine	200	11.585	11.584	0.001	27802	5.34	
78 Pentachlorophenol	266	11.725	11.725	0.000	8785	4.38	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
79 Pentachloronitrobenzene	237	11.802	11.801	0.001	15572	5.26	
80 Phenanthrene	178	11.874	11.873	0.001	141080	4.85	
81 Anthracene	178	11.917	11.916	0.001	125467	5.11	
83 Carbazole	167	12.085	12.084	0.001	92113	4.71	
84 Di-n-butyl phthalate	149	12.441	12.440	0.001	199768	5.13	
87 Fluoranthene	202	13.062	13.060	0.002	109157	5.32	
86 Benzidine	184	13.196	13.196	0.000	11475	4.35	
85 Pyrene	202	13.288	13.286	0.002	112500	5.26	
89 Butyl benzyl phthalate	149	13.932	13.931	0.001	51531	5.32	
91 3,3'-Dichlorobenzidine	252	14.485	14.484	0.001	13588	4.55	
93 Benzo[a]anthracene	228	14.499	14.498	0.001	62116	4.99	
92 Bis(2-ethylhexyl) phthalate	149	14.509	14.508	0.001	61355	4.73	
94 Chrysene	228	14.543	14.542	0.001	62395	4.87	
95 Di-n-octyl phthalate	149	15.129	15.128	0.001	51140	4.92	
97 Benzo[b]fluoranthene	252	15.610	15.609	0.001	53718	4.92	
98 Benzo[k]fluoranthene	252	15.630	15.628	0.002	63564	5.46	
99 Benzo[a]pyrene	252	15.932	15.936	-0.004	40132	4.91	
100 Indeno[1,2,3-cd]pyrene	276	17.091	17.090	0.001	39592	5.69	
101 Dibenz(a,h)anthracene	278	17.091	17.095	-0.004	31670	5.43	
102 Benzo[g,h,i]perylene	276	17.409	17.408	0.001	35259	5.55	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 05-Oct-2009 12:07:15 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03294.D

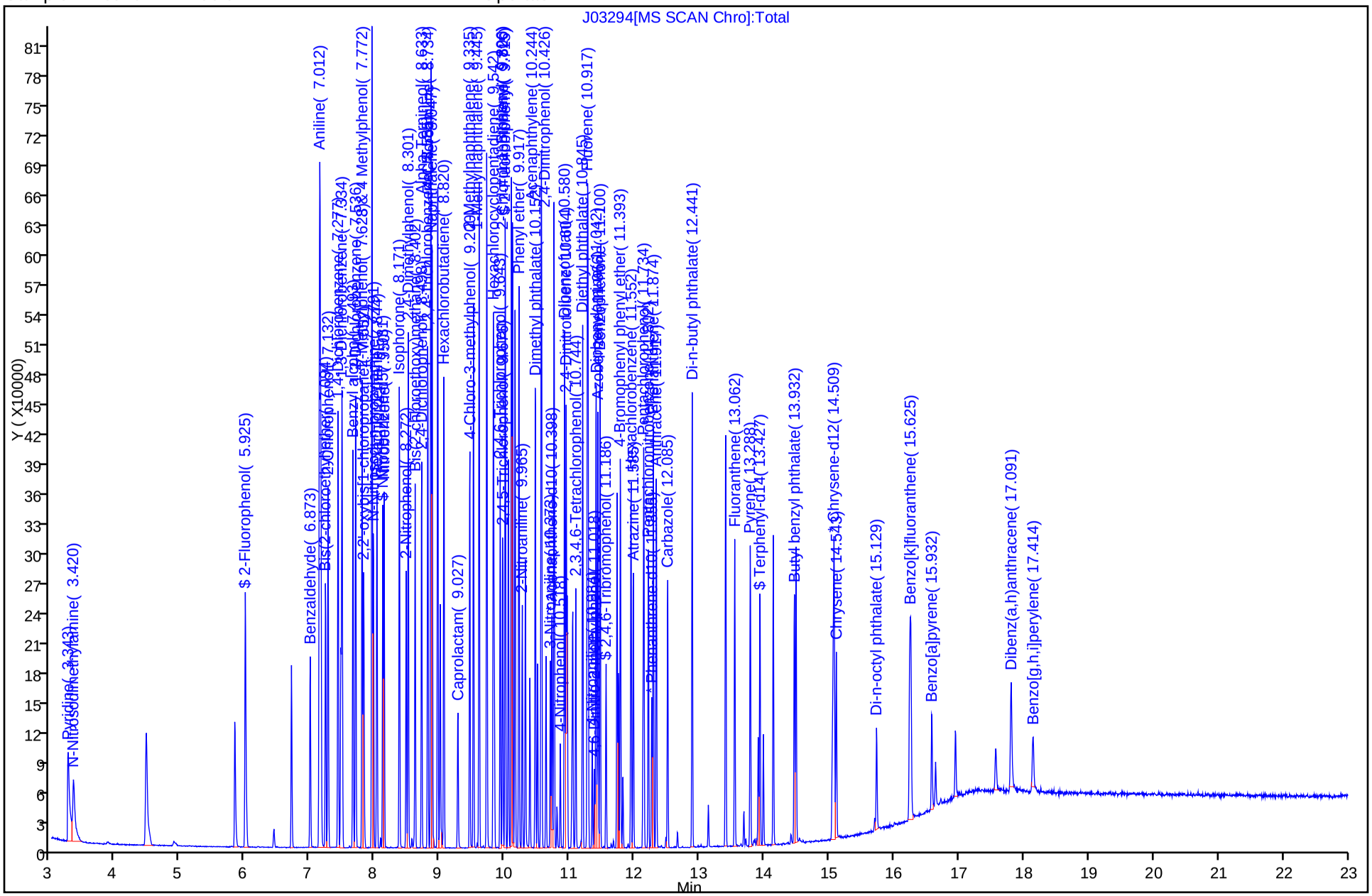
Inj Date: 04-Oct-2009 10:34:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49846 Lims Sample ID: 2

Client ID: Instrument: Inst. J

Sample Info: 5.0 ppm

Sample Amount: 1.00 ul Operator:



Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03294.D		
Inj Date:	04-Oct-2009 10:34:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49846	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	5.0 ppm		
Sample Amount:	1.00 ul	Operator:	

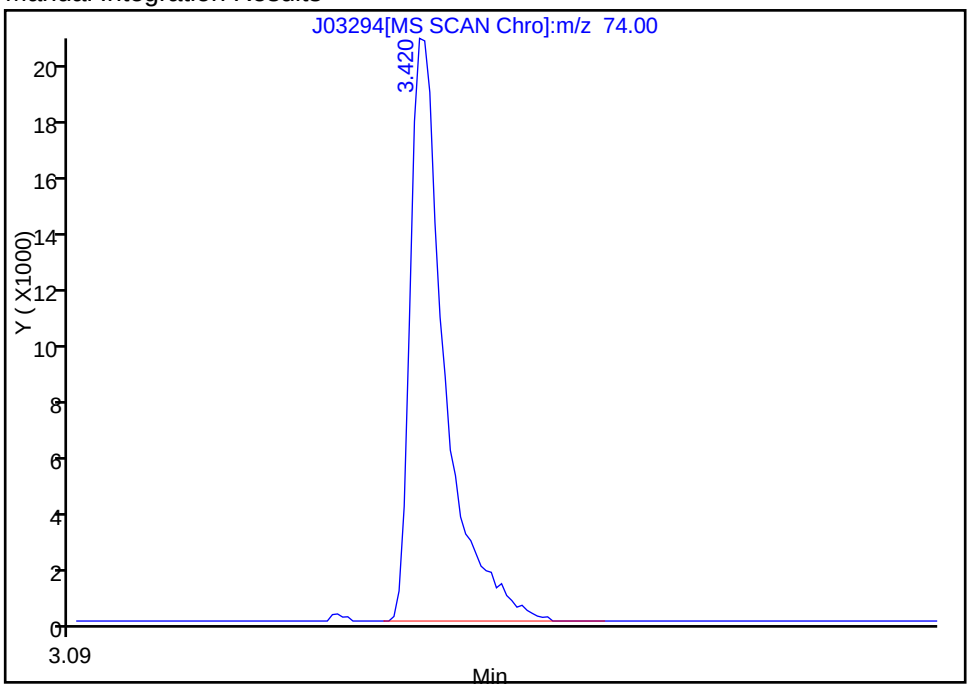
15 N-Nitrosodimethylamine, Number: 1, m/z: 74 Type: quant, RT: 3.42

Processing Integration Results

Not Detected
Expected RT: 3.42

Manual Integration Results

RT: 3.42
Response: 46009
Amount: 4.756475



Reviewer: sullivanp, 05-Oct-2009 11:36:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03294.D		
Inj Date:	04-Oct-2009 10:34:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49846	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	5.0 ppm		
Sample Amount:	1.00 ul	Operator:	

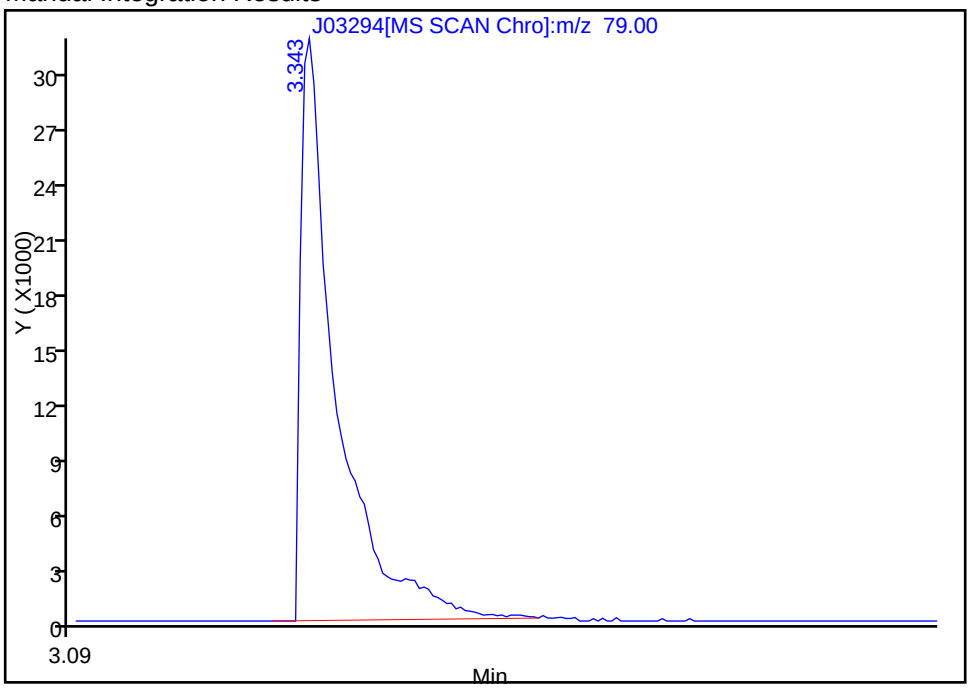
16 Pyridine, Number: 1, m/z: 79 Type: quant, RT: 3.35

Processing Integration Results

Not Detected
Expected RT: 3.35

Manual Integration Results

RT: 3.34
Response: 82911
Amount: 5.165411



Reviewer: sullivanp, 05-Oct-2009 11:36:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03295.D		
Lims ID:	std01	Client ID:	
Inject. Date:	04-Oct-2009 11:07:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	0.1 ppm		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	49846	Lims Sample ID:	3
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\8270NDMA.m		
Last Update:	05-Oct-2009 12:07:07	Calib Date:	04-Oct-2009 14:57:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03302.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	05-Oct-2009 11:41:45
Reviewed By:	sullivanp	Date:	05-Oct-2009 12:07:21

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.320	7.320	0.000	35582	2.00	
* 2 Naphthalene-d8	136	8.628	8.633	-0.005	82894	2.00	
* 3 Acenaphthene-d10	164	10.392	10.398	-0.006	34516	2.00	
* 4 Phenanthrene-d10	188	11.850	11.855	-0.005	33663	2.00	
* 5 Chrysene-d12	240	14.514	14.519	-0.005	11874	2.00	s
* 6 Perylene-d12	264	15.990	15.990	0.000	6024	2.00	s
$ 7 2-Fluorophenol	112	5.930	5.925	0.005	1225	0.1038	
$ 8 Phenol-d5	99	7.002	7.003	0.000	1493	0.1042	
$ 9 Nitrobenzene-d5	82	7.930	7.931	-0.001	1277	0.1034	
$ 10 2-Fluorobiphenyl	172	9.714	9.715	-0.001	2923	0.1150	
15 N-Nitrosodimethylamine	74	3.439	3.420	0.019	698	0.0992	
17 Benzaldehyde	105	6.872	6.873	-0.001	600	0.1141	
18 Phenol	94	7.017	7.017	0.000	2011	0.1113	
19 Aniline	93	7.031	7.027	0.004	1890	0.1046	
20 Bis(2-chloroethyl)ether	93	7.098	7.094	0.004	1535	0.1169	
21 2-Chlorophenol	128	7.132	7.132	0.000	1169	0.0952	
22 1,4-Dichlorobenzene	146	7.276	7.281	-0.005	1778	0.1164	
23 1,3-Dichlorobenzene	146	7.339	7.334	0.005	1878	0.1204	
24 Benzyl alcohol	79	7.498	7.493	0.005	1014	0.0963	
25 1,2-Dichlorobenzene	146	7.536	7.536	0.000	1665	0.1168	
26 2-Methylphenol	108	7.627	7.628	-0.001	1048	0.0968	
27 2,2'-oxybis[1-chloropropane]	45	7.651	7.652	-0.001	1479	0.1165	
30 Acetophenone	105	7.772	7.772	0.000	1605	0.0968	
28 3 & 4 Methylphenol	108	7.772	7.777	-0.005	1024	0.0923	
29 N-Nitrosodi-n-propylamine	70	7.796	7.791	0.005	894	0.0947	
31 Hexachloroethane	117	7.844	7.844	0.000	671	0.1115	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	7.950	7.950	0.000	1370	0.1058	
33 Isophorone	82	8.171	8.171	0.000	2004	0.1013	
35 2,4-Dimethylphenol	107	8.301	8.301	0.000	1091	0.0992	
37 Bis(2-chloroethoxy)methane	93	8.402	8.402	0.000	1529	0.1143	
38 2,4-Dichlorophenol	162	8.498	8.498	0.000	576	0.0861	
39 1,2,4-Trichlorobenzene	180	8.584	8.585	-0.001	1523	-0.021153	7
40 Alpha-Terpineol	59	8.632	8.633	-0.001	791	0.1086	
41 Naphthalene	128	8.647	8.652	-0.005	4726	-0.012646	7
42 4-Chloroaniline	127	8.729	8.729	0.000	1096	0.1032	
43 Hexachlorobutadiene	225	8.820	8.820	0.000	767	-0.042877	7
45 4-Chloro-3-methylphenol	107	9.195	9.200	-0.005	733	0.0955	
46 2-Methylnaphthalene	142	9.335	9.335	0.000	2483	0.1138	
47 1-Methylnaphthalene	142	9.445	9.445	0.000	2789	0.0113	
49 1,2,4,5-Tetrachlorobenzene	216	9.546	9.542	0.004	1103	-0.015541	7
52 1,1'-Biphenyl	154	9.806	9.806	0.000	3016	0.1141	
53 2-Chloronaphthalene	162	9.820	9.825	-0.005	2617	0.1121	
54 Phenyl ether	170	9.912	9.917	-0.005	1846	0.006368	7
55 2-Nitroaniline	65	9.964	9.965	-0.001	319	0.5210	
56 Dimethyl phthalate	163	10.152	10.157	-0.005	1926	0.0862	
57 2,6-Dinitrotoluene	165	10.234	10.239	-0.005	290	0.1468	
58 Acenaphthylene	152	10.243	10.244	-0.001	2301	0.0797	
59 3-Nitroaniline	138	10.368	10.373	-0.005	43	0.1574	
61 Acenaphthene	153	10.426	10.426	0.000	2258	0.1089	
64 Dibenzofuran	168	10.580	10.580	0.000	2620	0.1035	
63 2,4-Dinitrotoluene	165	10.618	10.619	-0.001	198	0.1818	
66 Diethyl phthalate	149	10.840	10.845	-0.005	2105	0.0934	
67 4-Chlorophenyl phenyl ether	204	10.912	10.912	0.000	949	0.0963	
69 Fluorene	166	10.921	10.922	-0.001	1844	0.0938	
72 N-Nitrosodiphenylamine	169	11.037	11.042	-0.005	1055	0.0862	
71 Diphenylamine	169	11.037	11.042	-0.005	1055	0.0862	
73 1,2-Diphenylhydrazine	77	11.066	11.066	0.000	1219	0.1067	
74 Azobenzene	77	11.066	11.066	0.000	1219	0.1067	
13 Benzophenone	105	11.099	11.100	-0.001	857	0.1066	
75 4-Bromophenyl phenyl ether	248	11.397	11.398	-0.001	391	0.0957	
76 Hexachlorobenzene	284	11.551	11.552	-0.001	579	0.1187	
79 Pentachloronitrobenzene	237	11.797	11.802	-0.005	105	0.1302	
80 Phenanthrene	178	11.874	11.874	0.000	2295	0.1200	
81 Anthracene	178	11.917	11.917	0.000	1095	0.1065	
83 Carbazole	167	12.080	12.085	-0.005	746	0.1435	
84 Di-n-butyl phthalate	149	12.441	12.441	0.000	1718	0.1549	M
87 Fluoranthene	202	13.061	13.062	-0.001	1154	0.0856	
85 Pyrene	202	13.287	13.288	-0.001	1295	0.1313	
93 Benzo[a]anthracene	228	14.499	14.499	0.000	417	0.1483	M
92 Bis(2-ethylhexyl) phthalate	149	14.504	14.511	-0.007	538	0.5927	M
94 Chrysene	228	14.538	14.539	-0.001	659	0.1116	M
97 Benzo[b]fluoranthene	252	15.615	15.610	0.005	452	0.1091	
98 Benzo[k]fluoranthene	252	15.629	15.631	-0.002	544	0.1231	
99 Benzo[a]pyrene	252	15.937	15.937	0.000	326	0.1688	M
100 Indeno[1,2,3-cd]pyrene	276	17.081	17.086	-0.005	124	0.1047	M
101 Dibenz(a,h)anthracene	278	17.091	17.093	-0.002	130	0.1324	M
102 Benzo[g,h,i]perylene	276	17.404	17.401	0.003	247	0.1023	M

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
s - Failed ISTD Recovery Test

Review Flags
M - Manually Integrated

Report Date: 05-Oct-2009 12:07:21 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03295.D

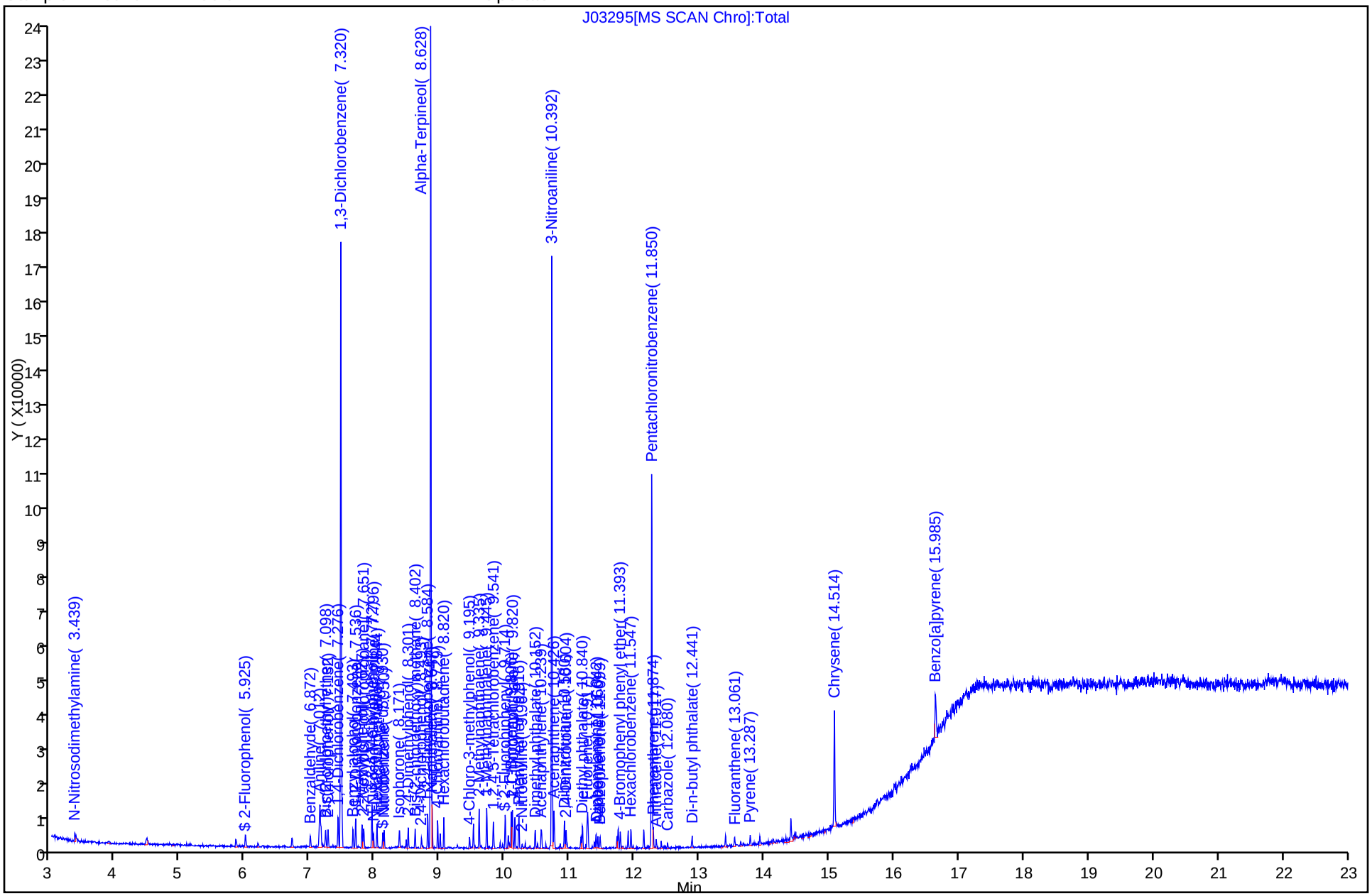
Inj Date: 04-Oct-2009 11:07:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49846 Lims Sample ID: 3

Client ID: Instrument: Inst. J

Sample Info: 0.1 ppm

Sample Amount: 1.00 ul Operator:



Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03295.D		
Inj Date:	04-Oct-2009 11:07:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49846	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1 ppm		
Sample Amount:	1.00 ul	Operator:	

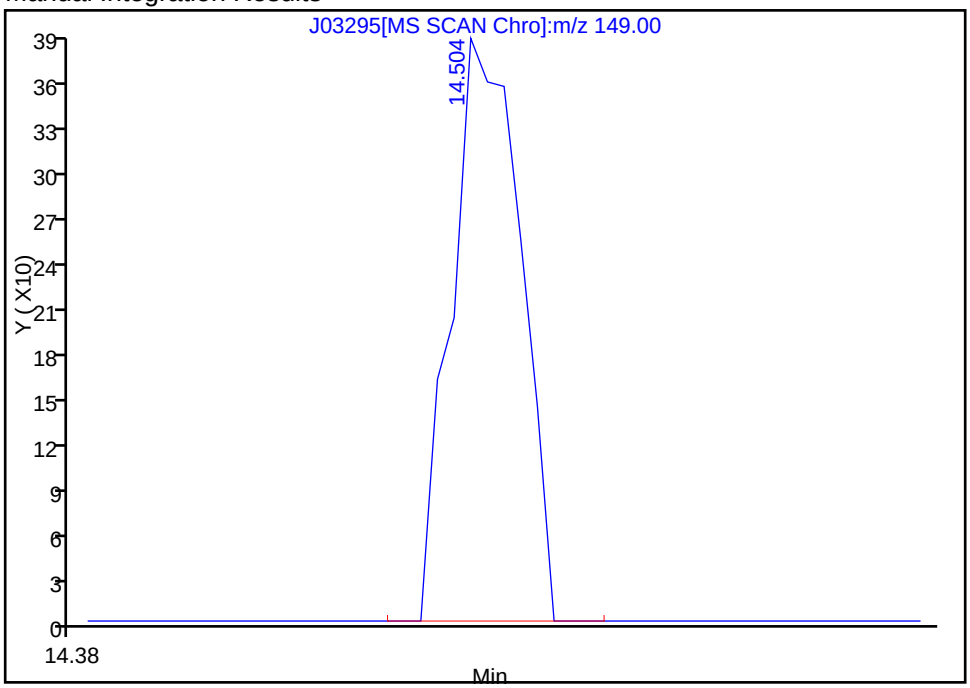
92 Bis(2-ethylhexyl) phthalate, Number: 1, m/z: 149 Type: quant, RT: 14.51

Processing Integration Results

Not Detected
Expected RT: 14.51

Manual Integration Results

RT: 14.50
Response: 538
Amount: 0.592682



Reviewer: sullivanp, 05-Oct-2009 11:41:45
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03295.D		
Inj Date:	04-Oct-2009 11:07:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49846	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1 ppm		
Sample Amount:	1.00 ul	Operator:	

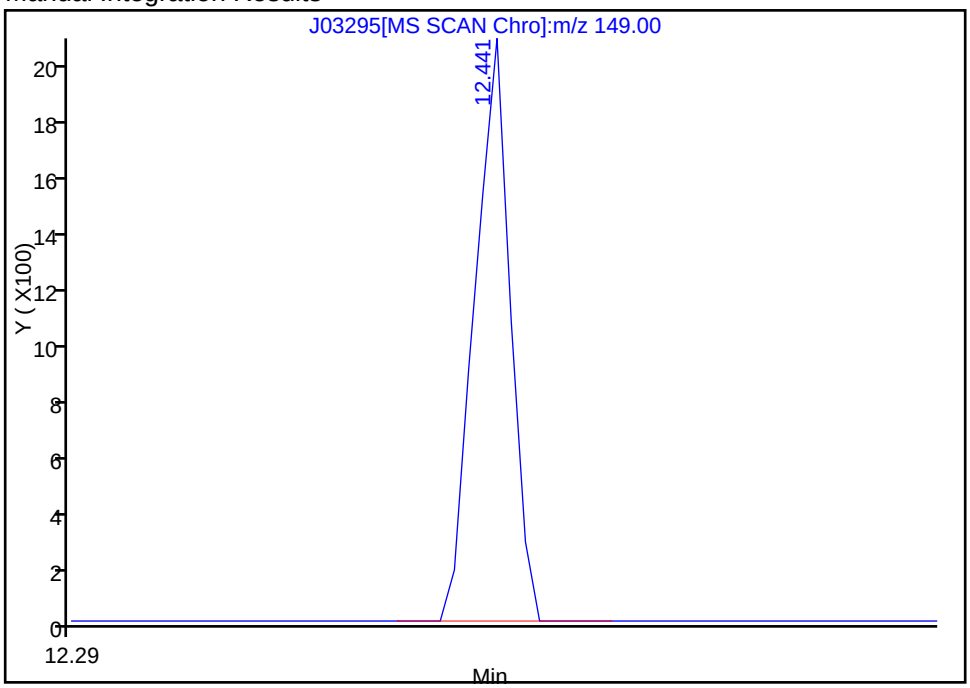
84 Di-n-butyl phthalate, Number: 1, m/z: 149 Type: quant, RT: 12.44

Processing Integration Results

Not Detected
Expected RT: 12.44

Manual Integration Results

RT: 12.44
Response: 1718
Amount: 0.154892



Reviewer: sullivanp, 05-Oct-2009 11:41:45
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03295.D		
Inj Date:	04-Oct-2009 11:07:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49846	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1 ppm		
Sample Amount:	1.00 ul	Operator:	

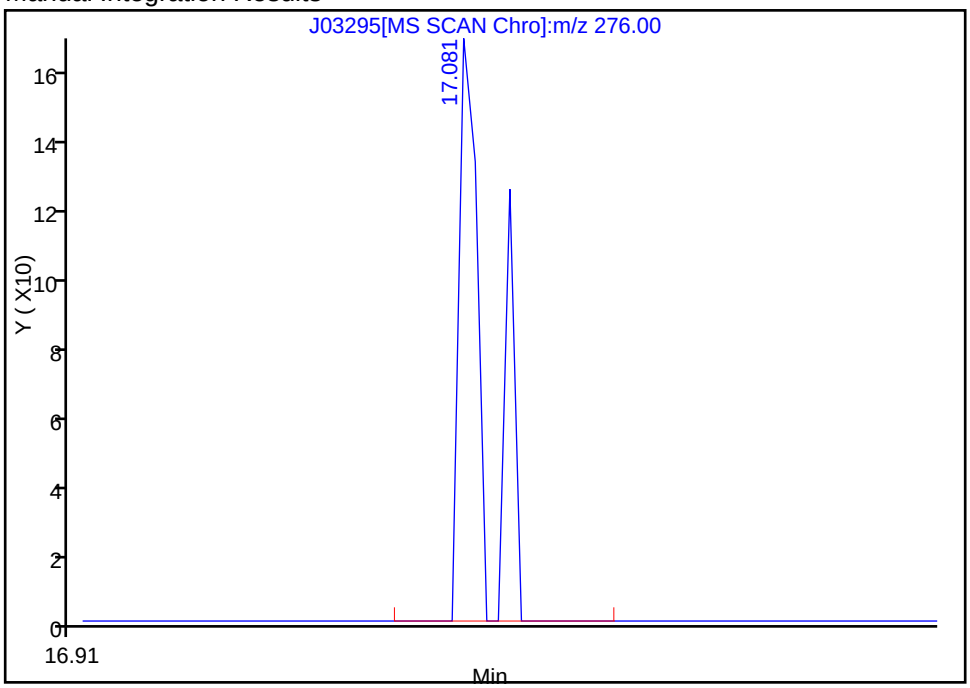
100 Indeno[1,2,3-cd]pyrene, Number: 1, m/z: 276 Type: quant, RT: 17.09

Processing Integration Results

Not Detected
Expected RT: 17.09

Manual Integration Results

RT: 17.08
Response: 124
Amount: 0.104701



Reviewer: sullivanp, 05-Oct-2009 11:41:45
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Chrom Revision: 1.1 01-Oct-2009 08:19:20

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03295.D		
Inj Date:	04-Oct-2009 11:07:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49846	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1 ppm		
Sample Amount:	1.00 ul	Operator:	

102 Benzo[g,h,i]perylene, Number: 1, m/z: 276 Type: quant, RT: 17.40

Processing Integration Results

Not Detected

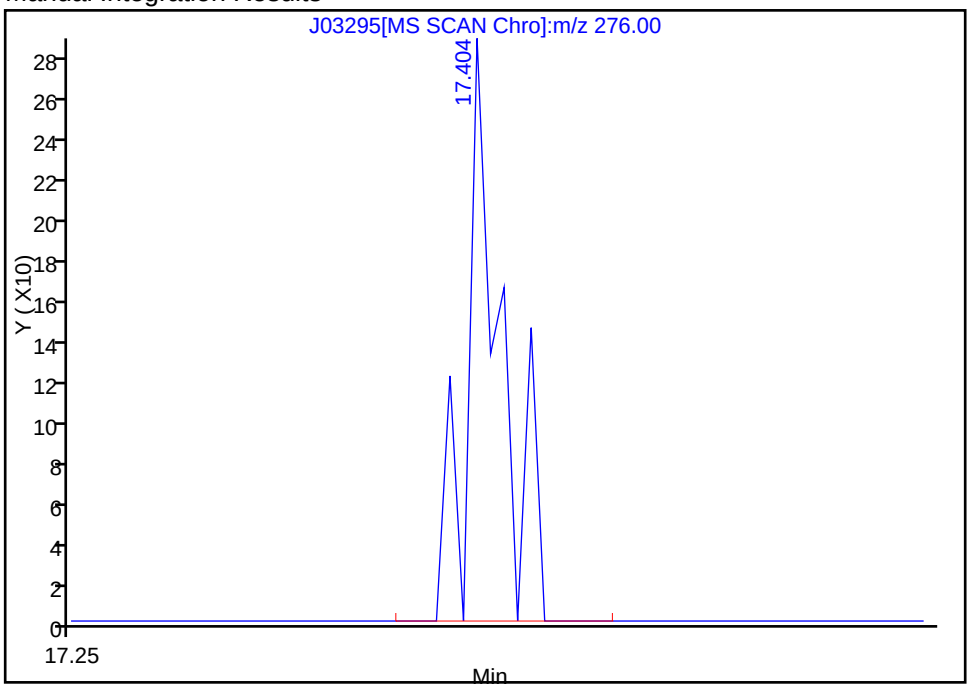
Expected RT: 17.40

Manual Integration Results

RT: 17.40

Response: 247

Amount: 0.102267



Reviewer: sullivanp, 05-Oct-2009 11:41:45

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Chrom Revision: 1.1 01-Oct-2009 08:19:20

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03295.D		
Inj Date:	04-Oct-2009 11:07:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49846	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1 ppm		
Sample Amount:	1.00 ul	Operator:	

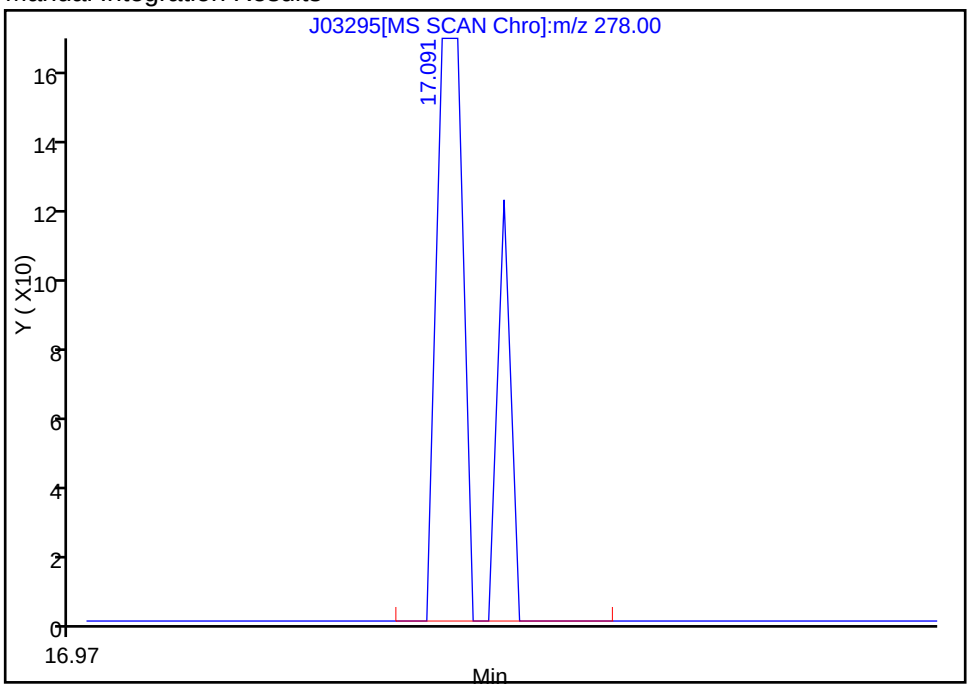
101 Dibenz(a,h)anthracene, Number: 1, m/z: 278 Type: quant, RT: 17.09

Processing Integration Results

Not Detected
Expected RT: 17.09

Manual Integration Results

RT: 17.09
Response: 130
Amount: 0.132405



Reviewer: sullivanp, 05-Oct-2009 11:41:45
Audit Action: Manually Integrated
Audit Reason: Assign Peak

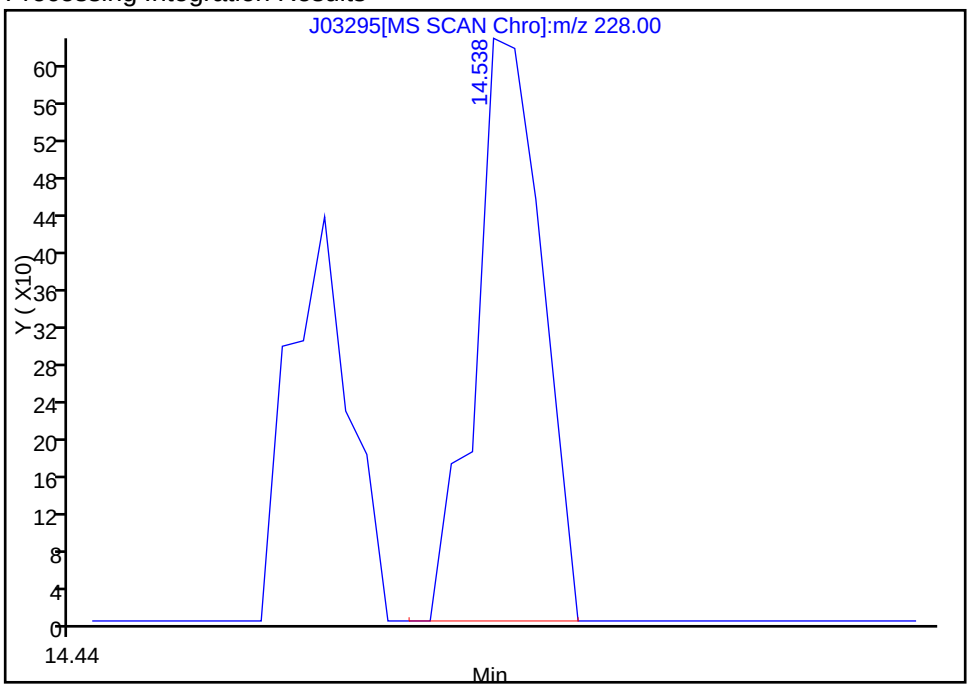
Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03295.D		
Inj Date:	04-Oct-2009 11:07:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49846	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1 ppm		
Sample Amount:	1.00 ul	Operator:	

93 Benzo[a]anthracene, Number: 1, m/z: 228 Type: quant, RT: 14.50

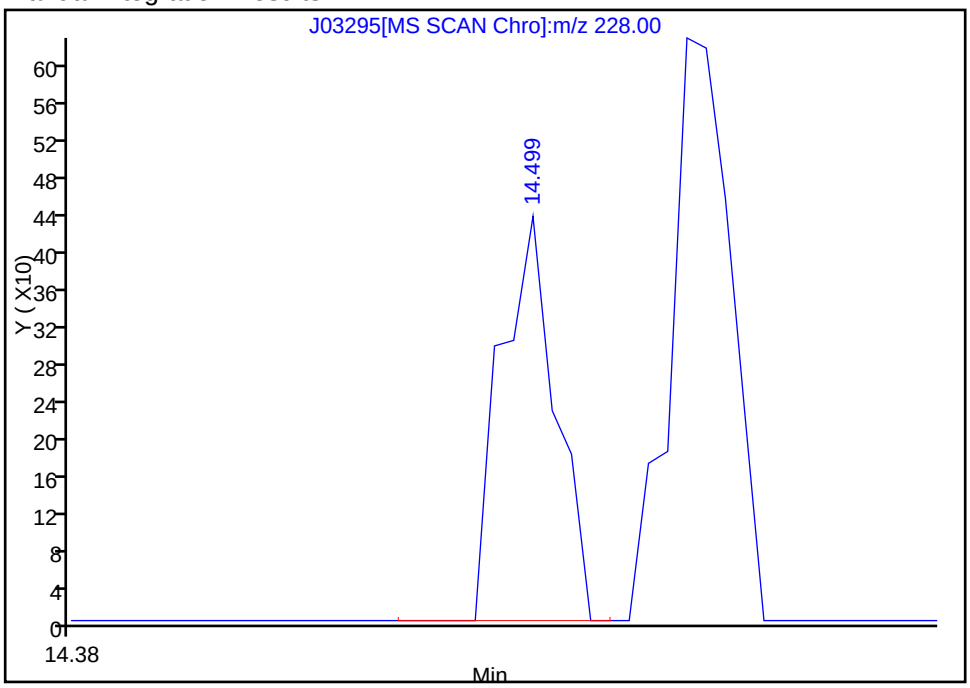
Processing Integration Results

RT: 14.54
Response: 659
Amount: 0.107025



Manual Integration Results

RT: 14.50
Response: 417
Amount: 0.148254



Reviewer: sullivanp, 05-Oct-2009 11:41:45
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03295.D		
Inj Date:	04-Oct-2009 11:07:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49846	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1 ppm		
Sample Amount:	1.00 ul	Operator:	

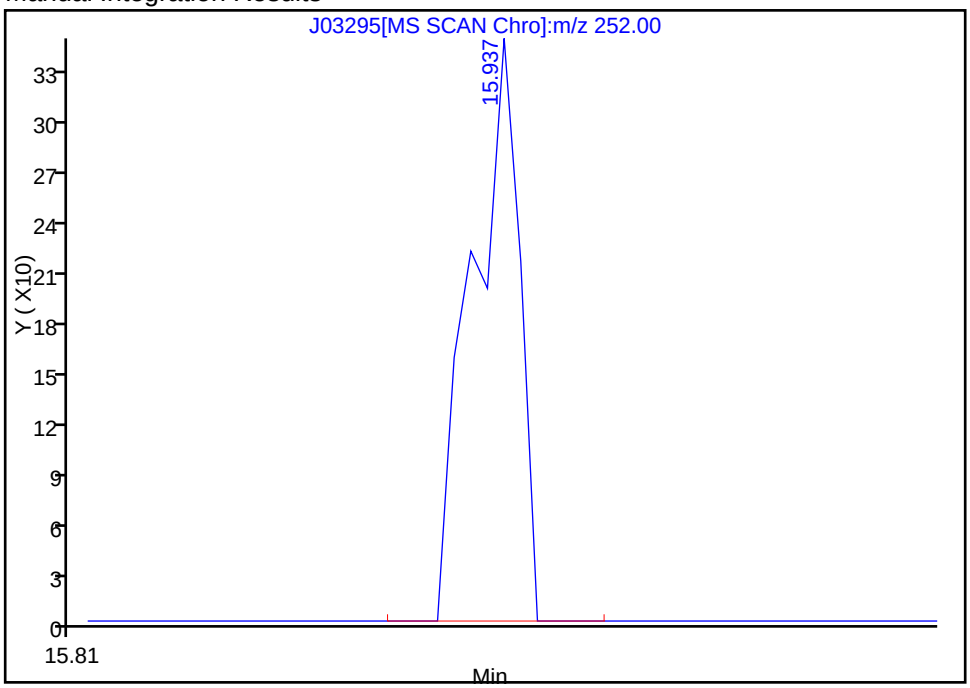
99 Benzo[a]pyrene, Number: 1, m/z: 252 Type: quant, RT: 15.94

Processing Integration Results

Not Detected
Expected RT: 15.94

Manual Integration Results

RT: 15.94
Response: 326
Amount: 0.168818



Reviewer: sullivanp, 05-Oct-2009 11:41:45
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Chrom Revision: 1.1 01-Oct-2009 08:19:20

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03295.D		
Inj Date:	04-Oct-2009 11:07:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49846	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1 ppm		
Sample Amount:	1.00 ul	Operator:	

94 Chrysene, Number: 1, m/z: 228 Type: quant, RT: 14.54

Processing Integration Results

Not Detected

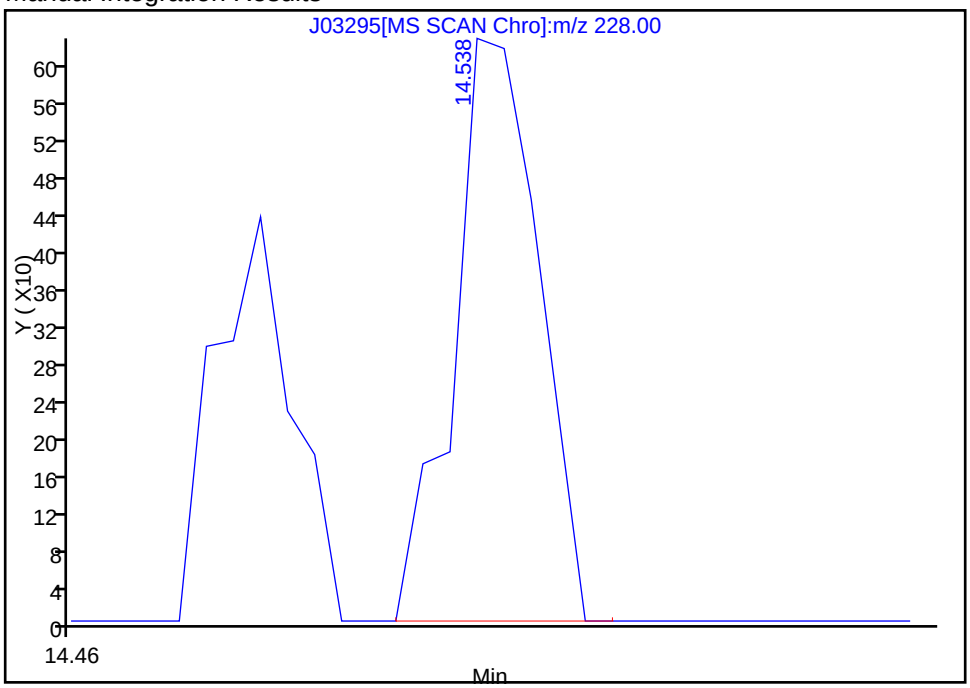
Expected RT: 14.54

Manual Integration Results

RT: 14.54

Response: 659

Amount: 0.111580



Reviewer: sullivanp, 05-Oct-2009 11:41:45

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03296.D		
Lims ID:	std025	Client ID:	
Inject. Date:	04-Oct-2009 11:39:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	0.25 ppm		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	49846	Lims Sample ID:	4
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\8270NDMA.m		
Last Update:	05-Oct-2009 12:07:07	Calib Date:	04-Oct-2009 14:57:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03302.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	05-Oct-2009 11:43:19
Reviewed By:	sullivanp	Date:	05-Oct-2009 12:07:28

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.319	7.320	-0.001	36497	2.00	
* 2 Naphthalene-d8	136	8.627	8.633	-0.006	85580	2.00	
* 3 Acenaphthene-d10	164	10.397	10.398	-0.001	36425	2.00	
* 4 Phenanthrene-d10	188	11.849	11.855	-0.006	37393	2.00	
* 5 Chrysene-d12	240	14.518	14.519	-0.001	14413	2.00	
* 6 Perylene-d12	264	15.990	15.990	0.000	7344	2.00	s
$ 7 2-Fluorophenol	112	5.925	5.925	0.000	2932	0.2422	
$ 8 Phenol-d5	99	7.002	7.003	0.000	3512	0.2389	
$ 9 Nitrobenzene-d5	82	7.930	7.931	-0.001	3396	0.2662	
$ 10 2-Fluorobiphenyl	172	9.714	9.715	-0.001	7360	0.2744	
$ 11 2,4,6-Tribromophenol	330	11.186	11.186	0.000	184	0.3479	M
$ 12 Terphenyl-d14	244	13.427	13.432	-0.005	1908	0.2816	
16 Pyridine	79	3.419	3.343	0.076	2475	0.2067	
15 N-Nitrosodimethylamine	74	3.439	3.420	0.019	2201	0.3050	
17 Benzaldehyde	105	6.872	6.873	-0.001	1350	0.2503	
18 Phenol	94	7.016	7.017	-0.001	4841	0.2613	
19 Aniline	93	7.031	7.027	0.004	4501	0.2429	
20 Bis(2-chloroethyl)ether	93	7.098	7.094	0.004	3674	0.2729	
21 2-Chlorophenol	128	7.132	7.132	0.000	3229	0.2564	
22 1,4-Dichlorobenzene	146	7.281	7.281	0.000	4578	0.2923	
23 1,3-Dichlorobenzene	146	7.334	7.334	0.000	4453	0.2784	
24 Benzyl alcohol	79	7.497	7.493	0.004	2511	0.2326	
25 1,2-Dichlorobenzene	146	7.536	7.536	0.000	4111	0.2812	
26 2-Methylphenol	108	7.627	7.628	-0.001	2651	0.2387	
27 2,2'-oxybis[1-chloropropane]	45	7.651	7.652	-0.001	3665	0.2816	
30 Acetophenone	105	7.771	7.772	-0.001	4045	0.2379	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	7.776	7.777	-0.001	2550	0.2241	
29 N-Nitrosodi-n-propylamine	70	7.795	7.791	0.004	2305	0.2380	
31 Hexachloroethane	117	7.844	7.844	0.000	1505	0.2438	
32 Nitrobenzene	77	7.949	7.950	-0.001	3532	0.2642	
33 Isophorone	82	8.171	8.171	0.000	5244	0.2568	
34 2-Nitrophenol	139	8.272	8.272	0.000	765	0.2570	
35 2,4-Dimethylphenol	107	8.300	8.301	-0.001	3025	0.2665	
37 Bis(2-chloroethoxy)methane	93	8.401	8.402	-0.001	3983	0.2885	
38 2,4-Dichlorophenol	162	8.493	8.498	-0.005	1642	0.2377	
39 1,2,4-Trichlorobenzene	180	8.584	8.585	-0.001	3314	0.1509	
40 Alpha-Terpineol	59	8.632	8.633	-0.001	1948	0.2590	
41 Naphthalene	128	8.651	8.652	-0.001	11112	0.1681	
42 4-Chloroaniline	127	8.728	8.729	-0.001	2954	0.2695	
43 Hexachlorobutadiene	225	8.820	8.820	0.000	2012	0.1678	
44 Caprolactam	55	9.012	9.027	-0.015	369	0.3177	
45 4-Chloro-3-methylphenol	107	9.195	9.200	-0.005	1799	0.2271	
46 2-Methylnaphthalene	142	9.334	9.335	-0.001	6463	0.2869	
47 1-Methylnaphthalene	142	9.445	9.445	0.000	6604	0.1812	
49 1,2,4,5-Tetrachlorobenzene	216	9.541	9.542	-0.001	2758	0.1747	
48 Hexachlorocyclopentadiene	237	9.555	9.556	-0.001	516	0.7847	
50 2,4,6-Trichlorophenol	196	9.642	9.643	-0.001	690	0.2706	
51 2,4,5-Trichlorophenol	196	9.676	9.676	0.000	801	0.3286	
52 1,1'-Biphenyl	154	9.806	9.806	0.000	7527	0.2697	
53 2-Chloronaphthalene	162	9.820	9.825	-0.005	6432	0.2611	
54 Phenyl ether	170	9.916	9.917	-0.001	4077	0.1678	
55 2-Nitroaniline	65	9.959	9.965	-0.006	713	0.5765	
56 Dimethyl phthalate	163	10.152	10.157	-0.005	5353	0.2270	
57 2,6-Dinitrotoluene	165	10.238	10.239	-0.001	767	0.2304	
58 Acenaphthylene	152	10.243	10.244	-0.001	6641	0.2180	
59 3-Nitroaniline	138	10.373	10.373	0.000	479	0.2602	
61 Acenaphthene	153	10.426	10.426	0.000	5833	0.2666	
64 Dibenzofuran	168	10.580	10.580	0.000	6959	0.2605	
63 2,4-Dinitrotoluene	165	10.618	10.619	-0.001	583	0.2408	
65 2,3,4,6-Tetrachlorophenol	232	10.743	10.744	-0.001	315	0.3695	
66 Diethyl phthalate	149	10.844	10.845	-0.001	5180	0.2178	
67 4-Chlorophenyl phenyl ether	204	10.912	10.912	0.000	2652	0.2549	
69 Fluorene	166	10.921	10.922	-0.001	4921	0.2371	
68 4-Nitroaniline	138	10.979	10.984	-0.005	267	0.3699	
72 N-Nitrosodiphenylamine	169	11.037	11.042	-0.005	3205	0.2357	
71 Diphenylamine	169	11.037	11.042	-0.005	3205	0.2357	
73 1,2-Diphenylhydrazine	77	11.065	11.066	-0.001	3740	0.2227	
74 Azobenzene	77	11.065	11.066	-0.001	3740	0.2227	
13 Benzophenone	105	11.099	11.100	-0.001	2662	0.2207	
75 4-Bromophenyl phenyl ether	248	11.397	11.398	-0.001	1164	0.2566	
76 Hexachlorobenzene	284	11.551	11.552	-0.001	1589	0.2931	
77 Atrazine	200	11.580	11.585	-0.005	620	0.2723	
79 Pentachloronitrobenzene	237	11.801	11.802	-0.001	341	0.2324	
80 Phenanthrene	178	11.873	11.874	-0.001	5640	0.2656	
81 Anthracene	178	11.917	11.917	0.000	3401	0.2274	
83 Carbazole	167	12.085	12.085	0.000	2417	0.2526	
84 Di-n-butyl phthalate	149	12.441	12.441	0.000	4069	0.2296	
87 Fluoranthene	202	13.061	13.062	-0.001	3234	0.2160	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
85 Pyrene	202	13.287	13.288	-0.001	3289	0.2747	
89 Butyl benzyl phthalate	149	13.927	13.932	-0.005	784	0.3426	
93 Benzo[a]anthracene	228	14.494	14.499	-0.005	1264	0.2554	
92 Bis(2-ethylhexyl) phthalate	149	14.504	14.511	-0.007	1058	0.6424	M
94 Chrysene	228	14.542	14.539	0.003	2023	0.2822	
95 Di-n-octyl phthalate	149	15.129	15.129	0.000	971	0.5137	M
97 Benzo[b]fluoranthene	252	15.610	15.610	0.000	1555	0.3078	
98 Benzo[k]fluoranthene	252	15.629	15.631	-0.002	1106	0.2052	
99 Benzo[a]pyrene	252	15.932	15.937	-0.005	721	0.2531	
100 Indeno[1,2,3-cd]pyrene	276	17.086	17.086	0.000	569	0.2331	M
101 Dibenz(a,h)anthracene	278	17.091	17.093	-0.002	421	0.2282	M
102 Benzo[g,h,i]perylene	276	17.408	17.401	0.007	749	0.2544	M

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

Review Flags
M - Manually Integrated

Report Date: 05-Oct-2009 12:07:28 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03296.D

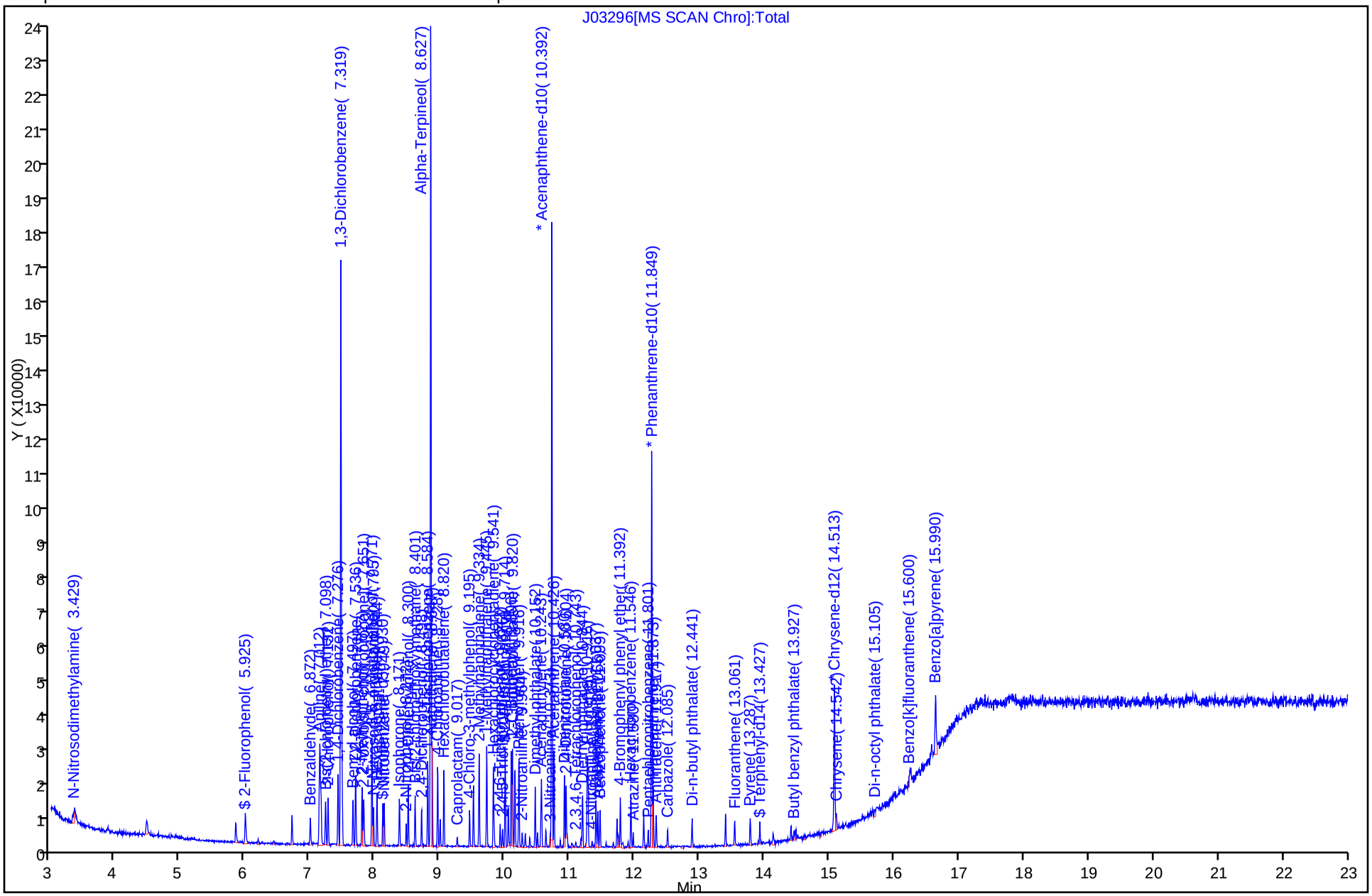
Inj Date: 04-Oct-2009 11:39:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49846 Lims Sample ID: 4

Client ID: Instrument: Inst. J

Sample Info: 0.25 ppm

Sample Amount: 1.00 ul Operator:



Chrom Revision: 1.1 01-Oct-2009 08:19:20

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03296.D		
Inj Date:	04-Oct-2009 11:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49846	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	0.25 ppm		
Sample Amount:	1.00 ul	Operator:	

100 Indeno[1,2,3-cd]pyrene, Number: 1, m/z: 276 Type: quant, RT: 17.09

Processing Integration Results

Not Detected

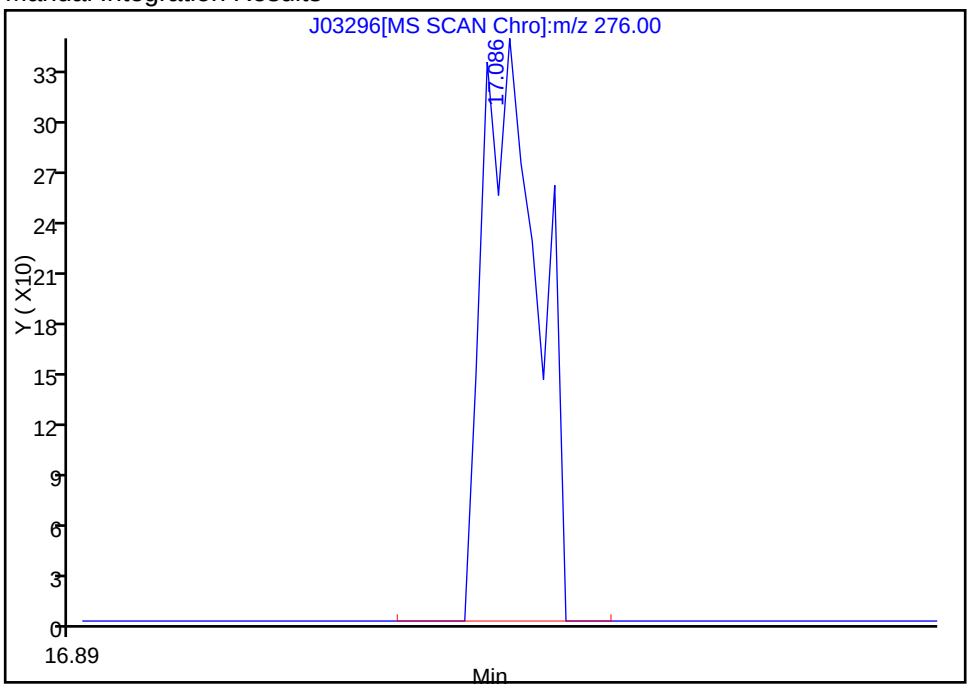
Expected RT: 17.09

Manual Integration Results

RT: 17.09

Response: 569

Amount: 0.233074



Reviewer: sullivanp, 05-Oct-2009 11:43:19

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Chrom Revision: 1.1 01-Oct-2009 08:19:20

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03296.D		
Inj Date:	04-Oct-2009 11:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49846	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	0.25 ppm		
Sample Amount:	1.00 ul	Operator:	

95 Di-n-octyl phthalate, Number: 1, m/z: 149 Type: quant, RT: 15.13

Processing Integration Results

Not Detected

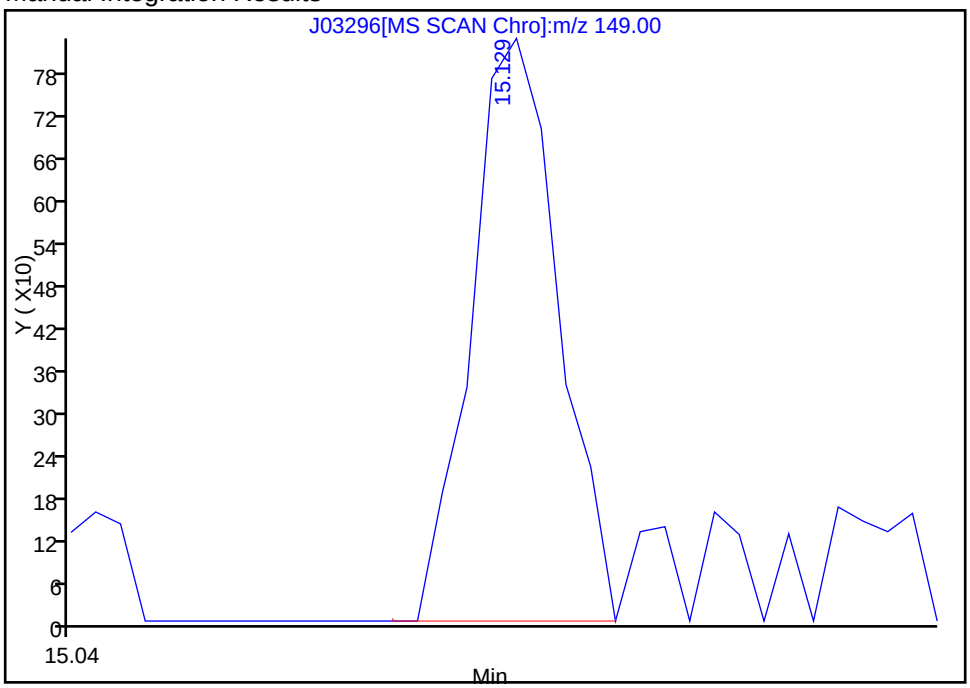
Expected RT: 15.13

Manual Integration Results

RT: 15.13

Response: 971

Amount: 0.513747



Reviewer: sullivanp, 05-Oct-2009 11:43:19

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Chrom Revision: 1.1 01-Oct-2009 08:19:20

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03296.D		
Inj Date:	04-Oct-2009 11:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49846	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	0.25 ppm		
Sample Amount:	1.00 ul	Operator:	

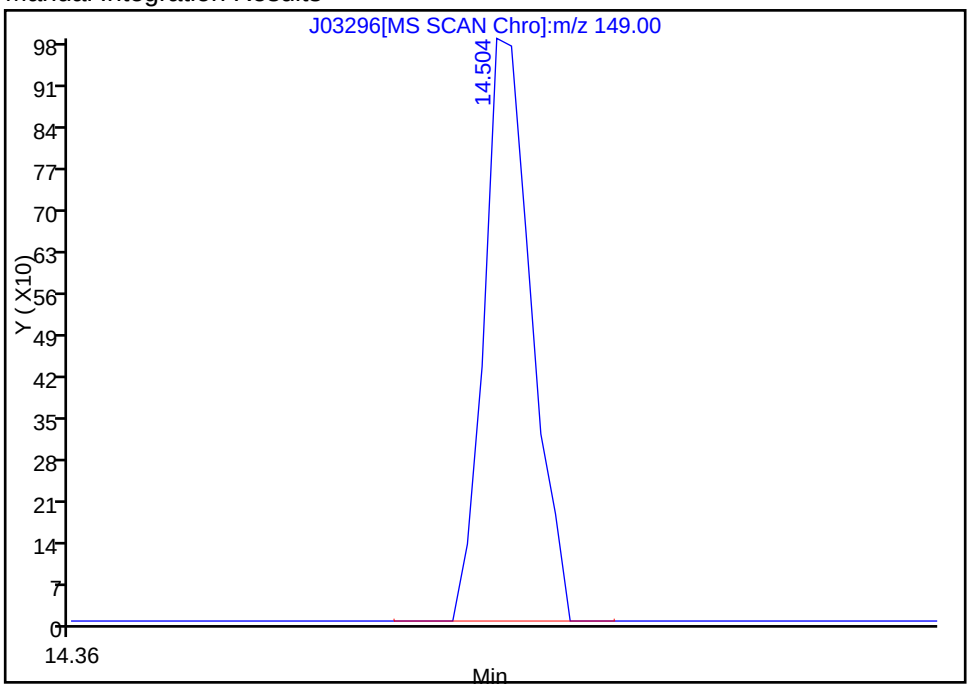
92 Bis(2-ethylhexyl) phthalate, Number: 1, m/z: 149 Type: quant, RT: 14.51

Processing Integration Results

Not Detected
Expected RT: 14.51

Manual Integration Results

RT: 14.50
Response: 1058
Amount: 0.642428



Reviewer: sullivanp, 05-Oct-2009 11:43:19
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Chrom Revision: 1.1 01-Oct-2009 08:19:20

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03296.D		
Inj Date:	04-Oct-2009 11:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49846	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	0.25 ppm		
Sample Amount:	1.00 ul	Operator:	

$ 11 2,4,6-Tribromophenol, Number: 1, m/z: 329.65 Type: quant, RT: 11.19

Processing Integration Results

Not Detected

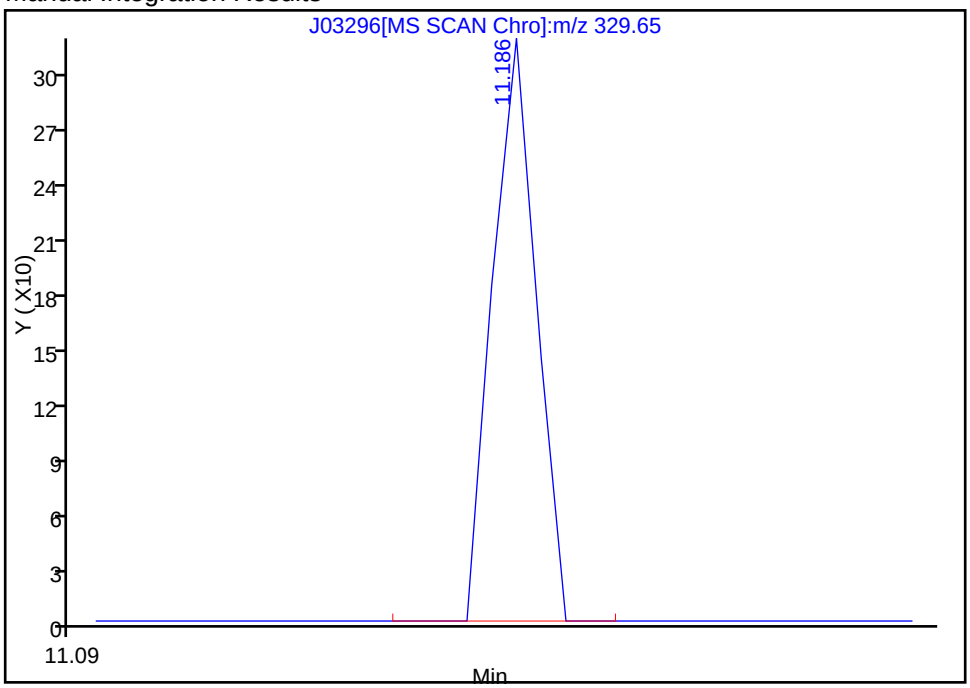
Expected RT: 11.19

Manual Integration Results

RT: 11.19

Response: 184

Amount: 0.347942



Reviewer: sullivanp, 05-Oct-2009 11:43:19

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03296.D		
Inj Date:	04-Oct-2009 11:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49846	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	0.25 ppm		
Sample Amount:	1.00 ul	Operator:	

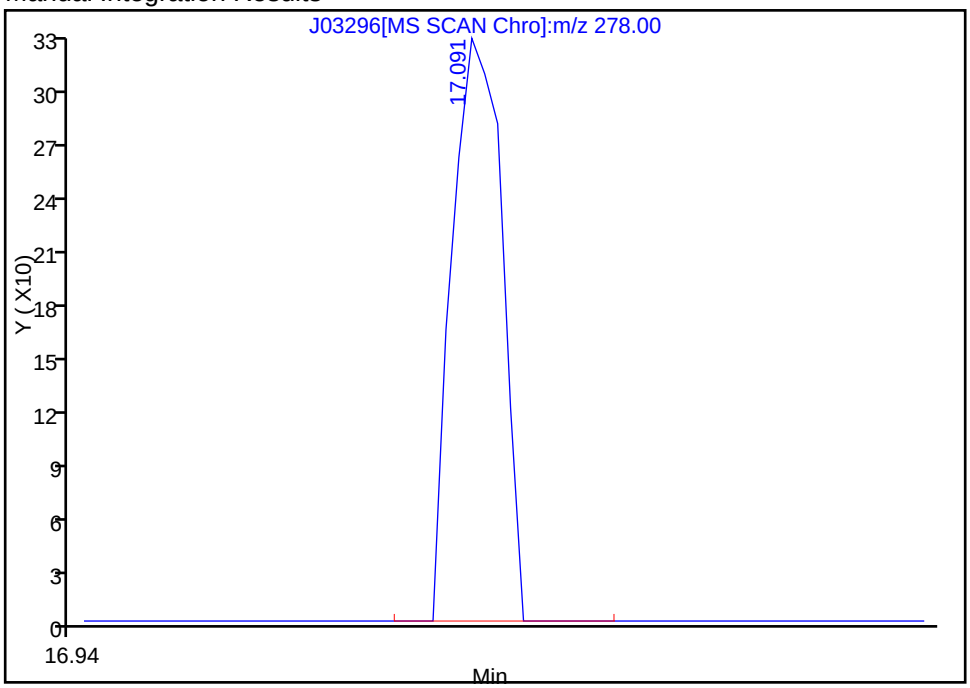
101 Dibenz(a,h)anthracene, Number: 1, m/z: 278 Type: quant, RT: 17.09

Processing Integration Results

Not Detected
Expected RT: 17.09

Manual Integration Results

RT: 17.09
Response: 421
Amount: 0.228215



Reviewer: sullivanp, 05-Oct-2009 11:43:19
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Chrom Revision: 1.1 01-Oct-2009 08:19:20

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03296.D		
Inj Date:	04-Oct-2009 11:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49846	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	0.25 ppm		
Sample Amount:	1.00 ul	Operator:	

102 Benzo[g,h,i]perylene, Number: 1, m/z: 276 Type: quant, RT: 17.40

Processing Integration Results

Not Detected

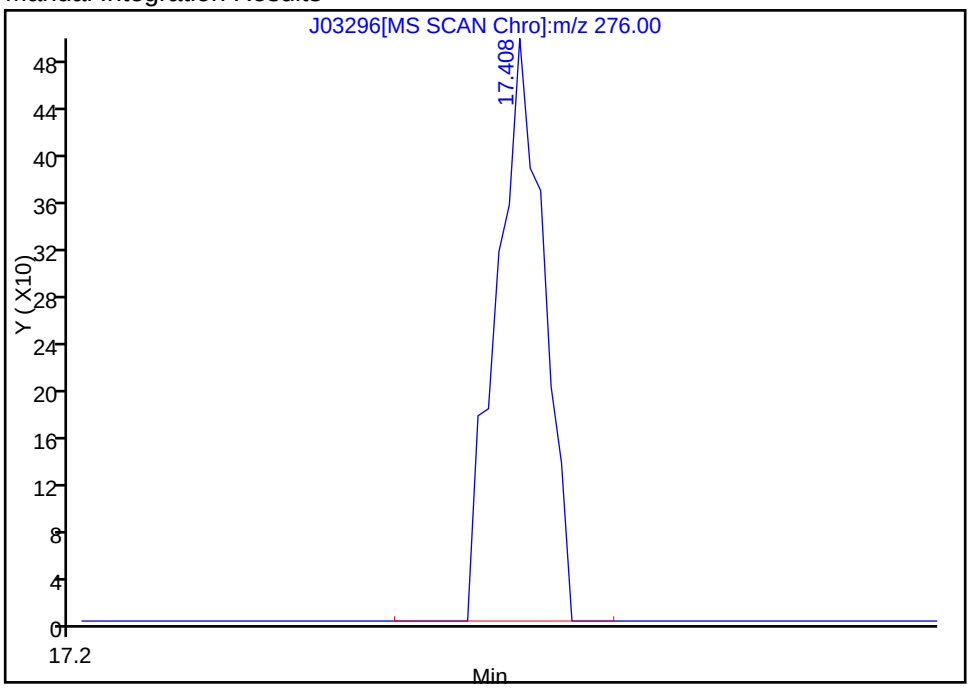
Expected RT: 17.40

Manual Integration Results

RT: 17.41

Response: 749

Amount: 0.254374



Reviewer: sullivanp, 05-Oct-2009 11:43:19

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03297.D		
Lims ID:	std05	Client ID:	
Inject. Date:	04-Oct-2009 12:12:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	0.5 ppm		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	49846	Lims Sample ID:	5
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\8270NDMA.m		
Last Update:	05-Oct-2009 12:07:07	Calib Date:	04-Oct-2009 14:57:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03302.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	05-Oct-2009 11:45:31
Reviewed By:	sullivanp	Date:	05-Oct-2009 12:07:34

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.317	7.320	-0.003	38936	2.00	
* 2 Naphthalene-d8	136	8.629	8.633	-0.004	90524	2.00	
* 3 Acenaphthene-d10	164	10.394	10.398	-0.004	39468	2.00	
* 4 Phenanthrene-d10	188	11.851	11.855	-0.004	39726	2.00	
* 5 Chrysene-d12	240	14.515	14.519	-0.004	15407	2.00	
* 6 Perylene-d12	264	15.992	15.990	0.002	8139	2.00	
$ 7 2-Fluorophenol	112	5.927	5.925	0.002	6348	0.4915	
$ 8 Phenol-d5	99	7.004	7.003	0.002	7559	0.4819	
$ 9 Nitrobenzene-d5	82	7.932	7.931	0.001	6932	0.5138	
$ 10 2-Fluorobiphenyl	172	9.716	9.715	0.001	14840	0.5106	
$ 11 2,4,6-Tribromophenol	330	11.188	11.186	0.002	422	0.4474	
$ 12 Terphenyl-d14	244	13.429	13.432	-0.003	3995	0.5516	
16 Pyridine	79	3.388	3.343	0.045	5841	0.4572	
15 N-Nitrosodimethylamine	74	3.441	3.420	0.021	3651	0.4742	
17 Benzaldehyde	105	6.874	6.873	0.001	2618	0.4549	
18 Phenol	94	7.014	7.017	-0.003	9770	0.4943	
19 Aniline	93	7.028	7.027	0.001	9456	0.4783	
20 Bis(2-chloroethyl)ether	93	7.095	7.094	0.001	7445	0.5184	
21 2-Chlorophenol	128	7.134	7.132	0.002	6720	0.5003	
22 1,4-Dichlorobenzene	146	7.278	7.281	-0.003	8994	0.5383	
23 1,3-Dichlorobenzene	146	7.336	7.334	0.002	9198	0.5391	
24 Benzyl alcohol	79	7.495	7.493	0.002	4933	0.4283	
25 1,2-Dichlorobenzene	146	7.533	7.536	-0.003	8409	0.5392	
26 2-Methylphenol	108	7.629	7.628	0.001	5691	0.4803	
27 2,2'-oxybis[1-chloropropane]	45	7.653	7.652	0.001	7215	0.5196	
30 Acetophenone	105	7.773	7.772	0.001	8787	0.4843	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	7.773	7.777	-0.004	5844	0.4814	
29 N-Nitrosodi-n-propylamine	70	7.793	7.791	0.002	4784	0.4630	
31 Hexachloroethane	117	7.846	7.844	0.002	3392	0.5150	
32 Nitrobenzene	77	7.947	7.950	-0.003	7701	0.5445	
33 Isophorone	82	8.173	8.171	0.002	10976	0.5081	
34 2-Nitrophenol	139	8.274	8.272	0.002	1892	0.4634	
35 2,4-Dimethylphenol	107	8.302	8.301	0.001	6427	0.5352	
37 Bis(2-chloroethoxy)methane	93	8.403	8.402	0.001	8154	0.5584	
38 2,4-Dichlorophenol	162	8.495	8.498	-0.003	3756	0.5140	
39 1,2,4-Trichlorobenzene	180	8.586	8.585	0.001	6612	0.4440	
40 Alpha-Terpineol	59	8.629	8.633	-0.004	4153	0.5219	
41 Naphthalene	128	8.649	8.652	-0.003	21944	0.4504	
42 4-Chloroaniline	127	8.730	8.729	0.001	5979	0.5158	
43 Hexachlorobutadiene	225	8.822	8.820	0.002	3808	0.4449	
44 Caprolactam	55	9.014	9.027	-0.013	704	0.4343	
45 4-Chloro-3-methylphenol	107	9.197	9.200	-0.003	4020	0.4798	
46 2-Methylnaphthalene	142	9.336	9.335	0.001	12960	0.5438	
47 1-Methylnaphthalene	142	9.447	9.445	0.002	13122	0.4485	
49 1,2,4,5-Tetrachlorobenzene	216	9.543	9.542	0.001	5318	0.4441	
48 Hexachlorocyclopentadiene	237	9.557	9.556	0.001	1213	0.9131	
50 2,4,6-Trichlorophenol	196	9.644	9.643	0.001	1852	0.4434	
51 2,4,5-Trichlorophenol	196	9.678	9.676	0.002	1769	0.4638	
52 1,1'-Biphenyl	154	9.803	9.806	-0.003	15084	0.4989	
53 2-Chloronaphthalene	162	9.822	9.825	-0.003	13367	0.5007	
54 Phenyl ether	170	9.913	9.917	-0.004	8354	0.4547	
55 2-Nitroaniline	65	9.961	9.965	-0.004	1575	0.6857	
56 Dimethyl phthalate	163	10.154	10.157	-0.003	12059	0.4719	
57 2,6-Dinitrotoluene	165	10.236	10.239	-0.003	1884	0.4064	
58 Acenaphthylene	152	10.245	10.244	0.001	15077	0.4567	
59 3-Nitroaniline	138	10.375	10.373	0.002	1128	0.3935	
61 Acenaphthene	153	10.428	10.426	0.002	11380	0.4800	
64 Dibenzofuran	168	10.577	10.580	-0.003	13454	0.4648	
63 2,4-Dinitrotoluene	165	10.620	10.619	0.001	1391	0.3514	
65 2,3,4,6-Tetrachlorophenol	232	10.745	10.744	0.001	709	0.4457	
66 Diethyl phthalate	149	10.841	10.845	-0.004	10856	0.4213	
67 4-Chlorophenyl phenyl ether	204	10.914	10.912	0.002	5436	0.4822	
69 Fluorene	166	10.923	10.922	0.001	9841	0.4377	
68 4-Nitroaniline	138	10.986	10.984	0.002	486	0.4372	
72 N-Nitrosodiphenylamine	169	11.039	11.042	-0.003	6916	0.4788	
71 Diphenylamine	169	11.039	11.042	-0.003	6916	0.4788	
73 1,2-Diphenylhydrazine	77	11.067	11.066	0.001	8828	0.4447	
74 Azobenzene	77	11.067	11.066	0.001	8828	0.4447	
13 Benzophenone	105	11.101	11.100	0.001	6515	0.4523	
75 4-Bromophenyl phenyl ether	248	11.394	11.398	-0.004	2684	0.5569	
76 Hexachlorobenzene	284	11.548	11.552	-0.004	3080	0.5348	
77 Atrazine	200	11.582	11.585	-0.003	1310	0.4302	
79 Pentachloronitrobenzene	237	11.798	11.802	-0.004	852	0.4423	
80 Phenanthrene	178	11.875	11.874	0.001	10789	0.4782	
81 Anthracene	178	11.919	11.917	0.002	7648	0.4375	
83 Carbazole	167	12.082	12.085	-0.003	4641	0.3866	
84 Di-n-butyl phthalate	149	12.438	12.441	-0.003	8952	0.3804	
87 Fluoranthene	202	13.063	13.062	0.001	6527	0.4104	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
85 Pyrene	202	13.289	13.288	0.001	6645	0.5192	
89 Butyl benzyl phthalate	149	13.929	13.932	-0.003	1614	0.4714	
91 3,3'-Dichlorobenzidine	252	14.482	14.482	0.000	419	1.12	M
93 Benzo[a]anthracene	228	14.496	14.499	-0.003	2327	0.3844	
92 Bis(2-ethylhexyl) phthalate	149	14.511	14.511	0.000	1947	0.7362	M
94 Chrysene	228	14.539	14.539	0.000	3572	0.4661	M
95 Di-n-octyl phthalate	149	15.131	15.129	0.002	1585	0.6162	
97 Benzo[b]fluoranthene	252	15.612	15.610	0.002	2841	0.5074	
98 Benzo[k]fluoranthene	252	15.631	15.631	0.000	2994	0.5013	M
99 Benzo[a]pyrene	252	15.934	15.937	-0.003	1311	0.3735	
100 Indeno[1,2,3-cd]pyrene	276	17.088	17.086	0.002	1553	0.4888	
101 Dibenz(a,h)anthracene	278	17.093	17.093	0.000	1209	0.4727	M
102 Benzo[g,h,i]perylene	276	17.401	17.401	0.000	1680	0.5148	M

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 05-Oct-2009 12:07:34 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03297.D

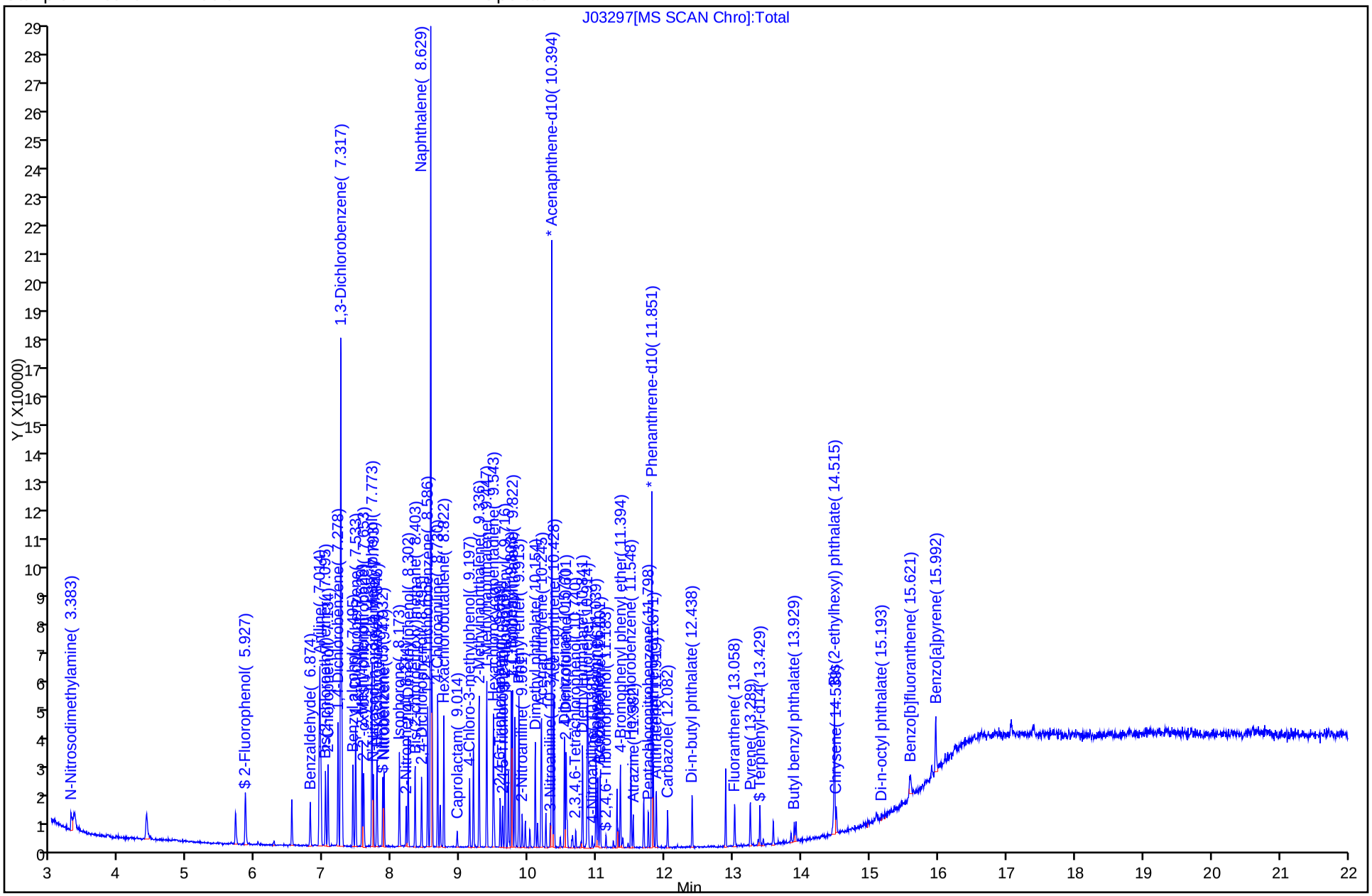
Inj Date: 04-Oct-2009 12:12:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49846 Lims Sample ID: 5

Client ID: Instrument: Inst. J

Sample Info: 0.5 ppm

Sample Amount: 1.00 ul Operator:



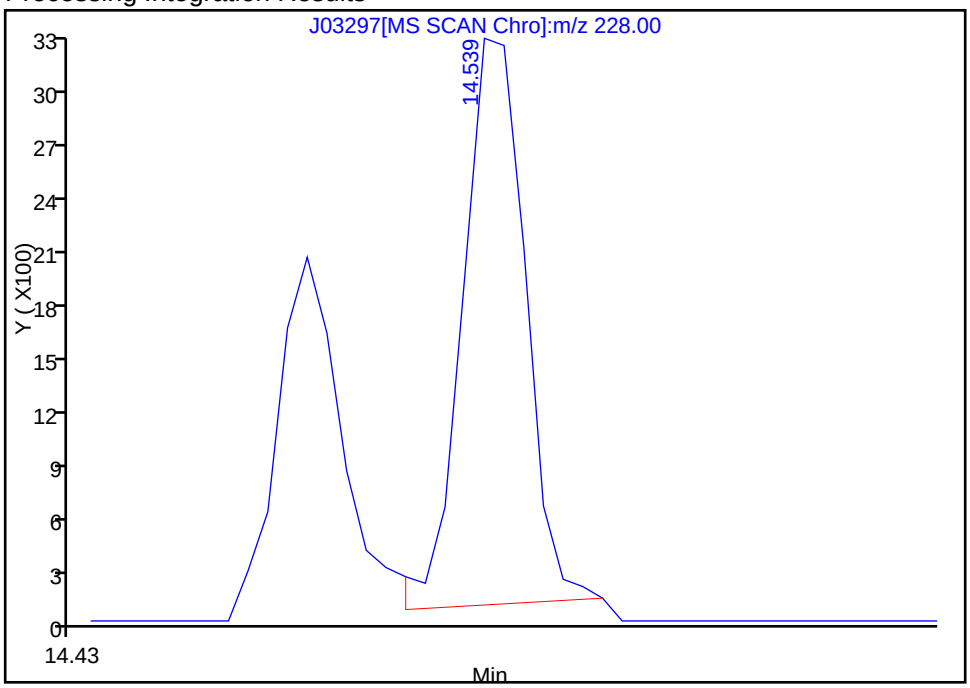
Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03297.D		
Inj Date:	04-Oct-2009 12:12:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49846	Lims Sample ID:	5
Client ID:		Instrument:	Inst. J
Sample Info:	0.5 ppm		
Sample Amount:	1.00 ul	Operator:	

94 Chrysene, Number: 1, m/z: 228 Type: quant, RT: 14.54

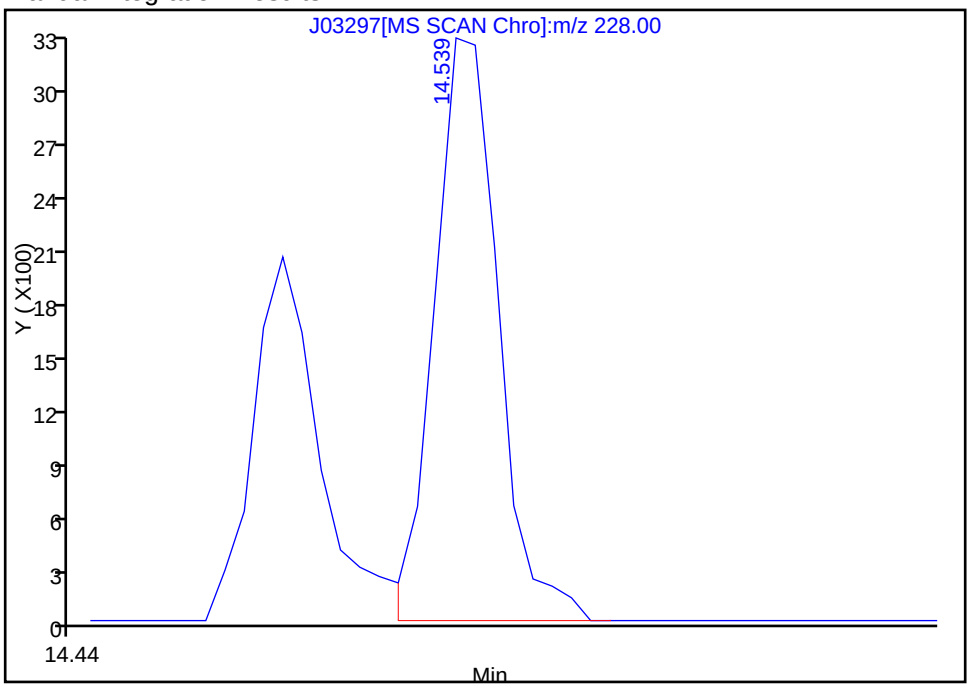
Processing Integration Results

RT: 14.54
Response: 3342
Amount: 0.426459



Manual Integration Results

RT: 14.54
Response: 3572
Amount: 0.466114



Reviewer: sullivanp, 05-Oct-2009 11:45:31
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Chrom Revision: 1.1 01-Oct-2009 08:19:20

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03297.D		
Inj Date:	04-Oct-2009 12:12:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49846	Lims Sample ID:	5
Client ID:		Instrument:	Inst. J
Sample Info:	0.5 ppm		
Sample Amount:	1.00 ul	Operator:	

91 3,3'-Dichlorobenzidine, Number: 1, m/z: 252 Type: quant, RT: 14.48

Processing Integration Results

Not Detected

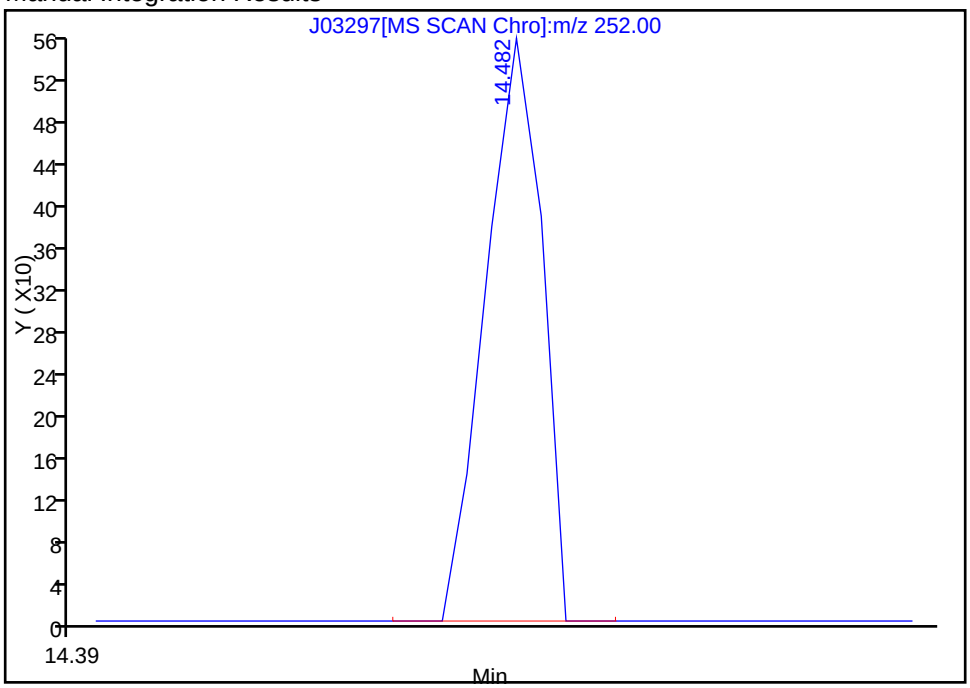
Expected RT: 14.48

Manual Integration Results

RT: 14.48

Response: 419

Amount: 1.119423



Reviewer: sullivanp, 05-Oct-2009 11:45:31

Audit Action: Manually Integrated

Audit Reason: Assign Peak

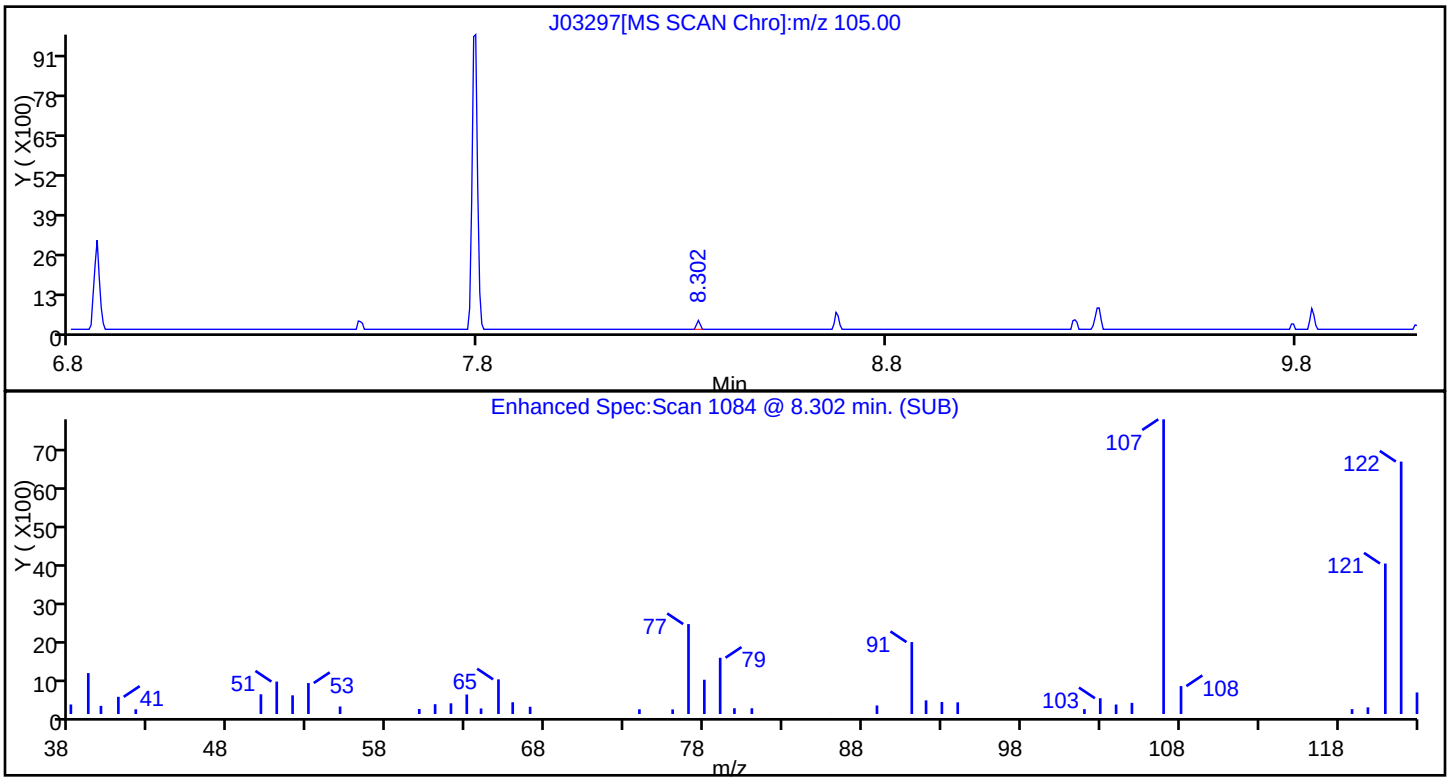
Chrom Revision: 1.1 01-Oct-2009 08:19:20

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03297.D		
Inj Date:	04-Oct-2009 12:12:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49846	Lims Sample ID:	5
Client ID:		Instrument:	Inst. J
Sample Info:	0.5 ppm		
Sample Amount:	1.00 ul	Operator:	

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
8.30	105.00	170	0.550120
8.30	122.00	5322	
8.30	77.00	2188	

Reviewer: sullivanp, 05-Oct-2009 11:45:31
Audit Action: Marked Compound Undetected
Audit Reason:

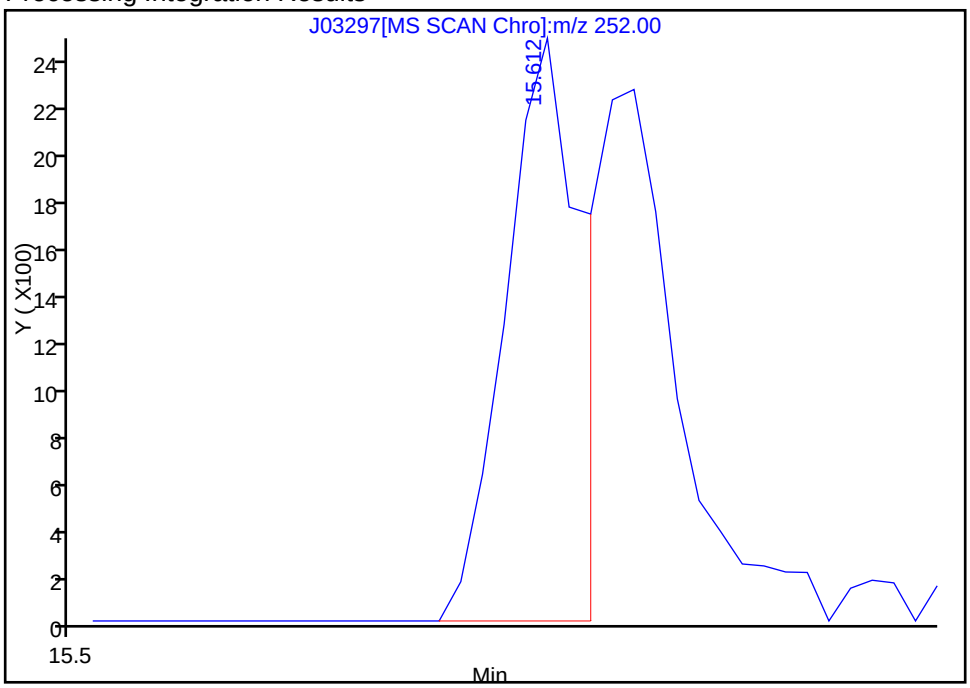
Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03297.D		
Inj Date:	04-Oct-2009 12:12:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49846	Lims Sample ID:	5
Client ID:		Instrument:	Inst. J
Sample Info:	0.5 ppm		
Sample Amount:	1.00 ul	Operator:	

98 Benzo[k]fluoranthene, Number: 1, m/z: 252 Type: quant, RT: 15.63

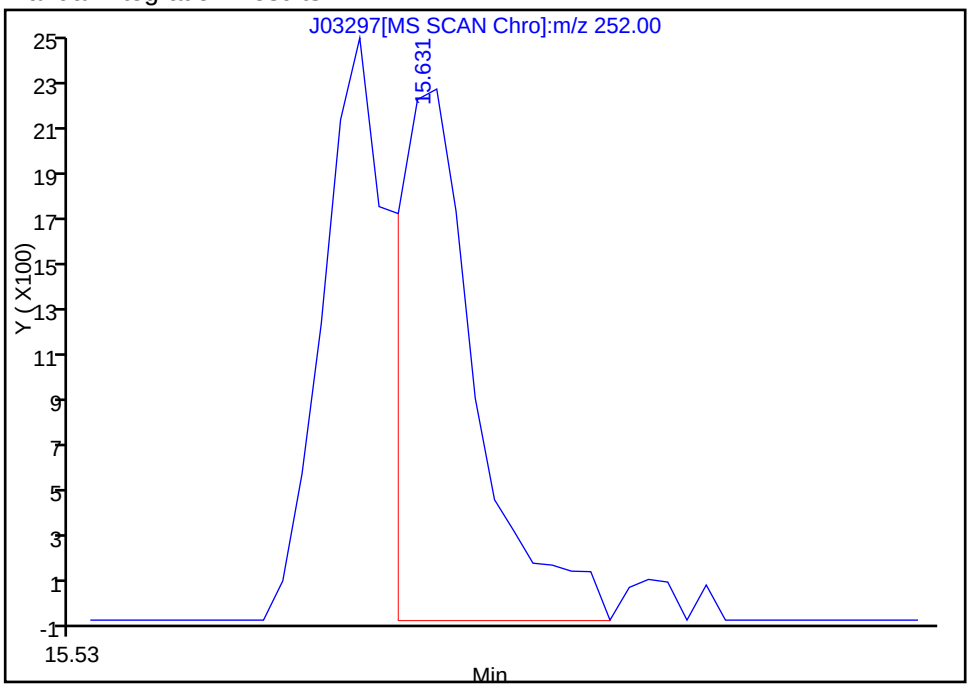
Processing Integration Results

RT: 15.61
Response: 2841
Amount: 0.453119



Manual Integration Results

RT: 15.63
Response: 2994
Amount: 0.501306



Reviewer: sullivanp, 05-Oct-2009 11:45:31
Audit Action: Manually Integrated
Audit Reason: Wrong peak

Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03297.D		
Inj Date:	04-Oct-2009 12:12:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49846	Lims Sample ID:	5
Client ID:		Instrument:	Inst. J
Sample Info:	0.5 ppm		
Sample Amount:	1.00 ul	Operator:	

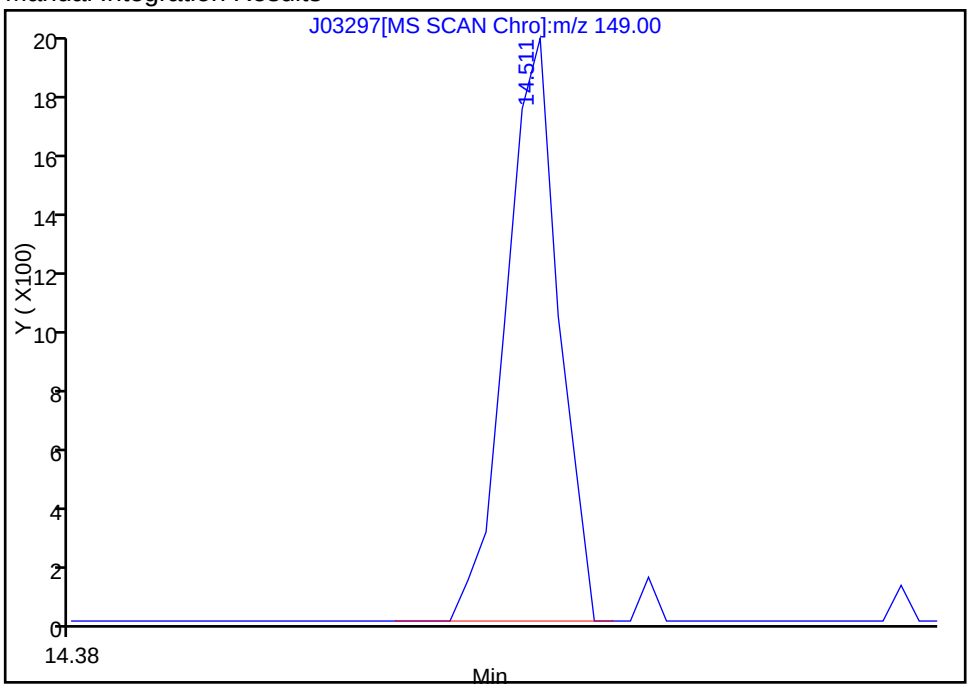
92 Bis(2-ethylhexyl) phthalate, Number: 1, m/z: 149 Type: quant, RT: 14.51

Processing Integration Results

Not Detected
Expected RT: 14.51

Manual Integration Results

RT: 14.51
Response: 1947
Amount: 0.736205



Reviewer: sullivanp, 05-Oct-2009 11:45:31
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03297.D		
Inj Date:	04-Oct-2009 12:12:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49846	Lims Sample ID:	5
Client ID:		Instrument:	Inst. J
Sample Info:	0.5 ppm		
Sample Amount:	1.00 ul	Operator:	

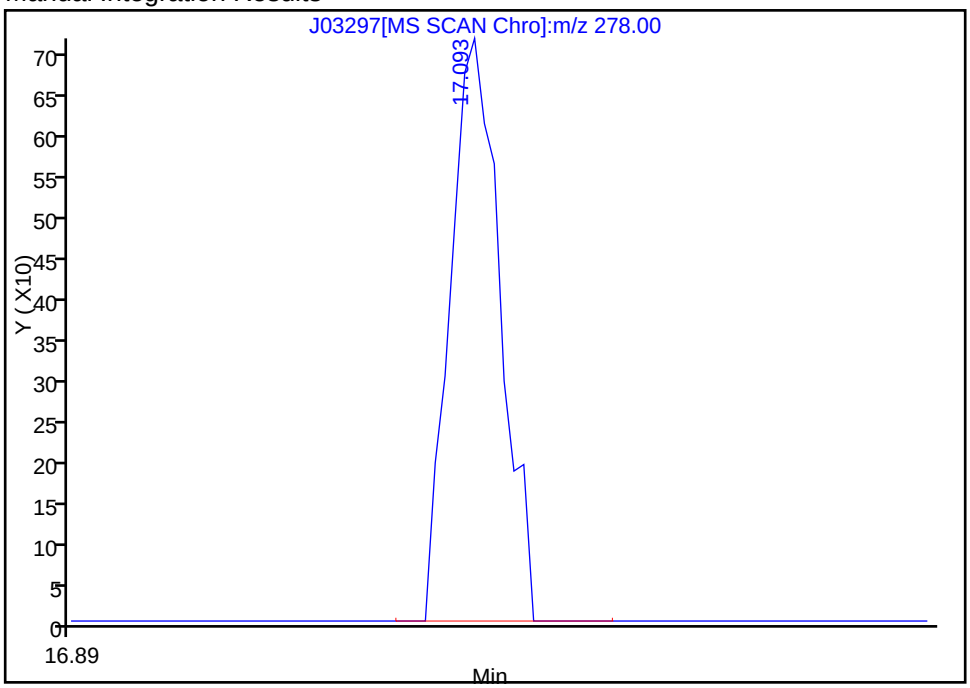
101 Dibenz(a,h)anthracene, Number: 1, m/z: 278 Type: quant, RT: 17.09

Processing Integration Results

Not Detected
Expected RT: 17.09

Manual Integration Results

RT: 17.09
Response: 1209
Amount: 0.472714



Reviewer: sullivanp, 05-Oct-2009 11:45:31
Audit Action: Manually Integrated
Audit Reason: Wrong peak

Chrom Revision: 1.1 01-Oct-2009 08:19:20

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03297.D		
Inj Date:	04-Oct-2009 12:12:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49846	Lims Sample ID:	5
Client ID:		Instrument:	Inst. J
Sample Info:	0.5 ppm		
Sample Amount:	1.00 ul	Operator:	

102 Benzo[g,h,i]perylene, Number: 1, m/z: 276 Type: quant, RT: 17.40

Processing Integration Results

Not Detected

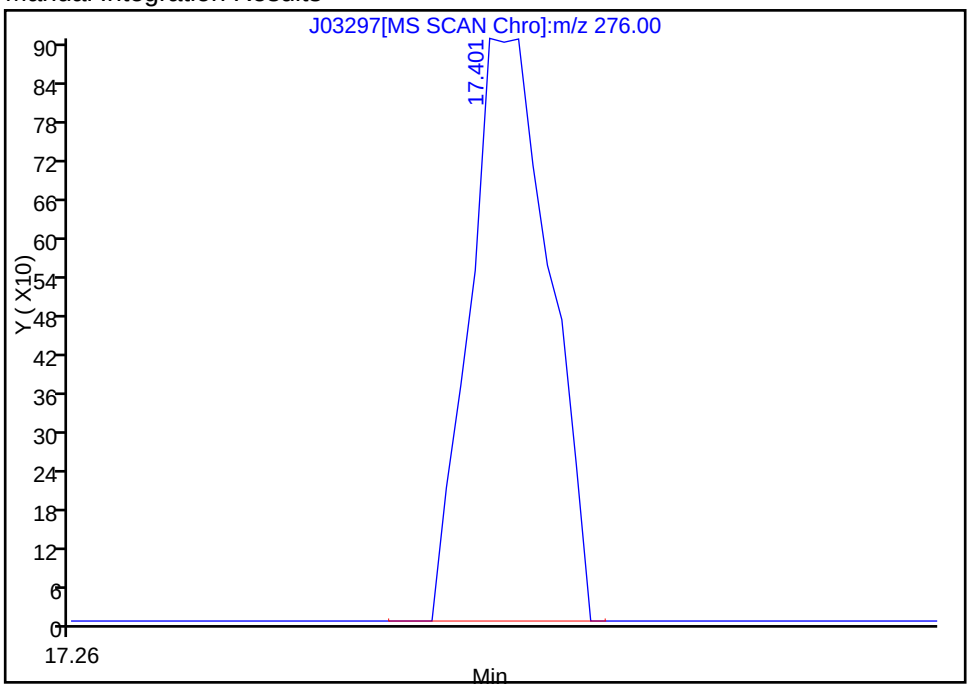
Expected RT: 17.40

Manual Integration Results

RT: 17.40

Response: 1680

Amount: 0.514828



Reviewer: sullivanp, 05-Oct-2009 11:45:31

Audit Action: Manually Integrated

Audit Reason: Wrong peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03298.D		
Lims ID:	std1	Client ID:	
Inject. Date:	04-Oct-2009 12:45:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	1.0 ppm		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	49846	Lims Sample ID:	6
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\8270NDMA.m		
Last Update:	05-Oct-2009 12:07:07	Calib Date:	04-Oct-2009 14:57:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03302.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	05-Oct-2009 11:46:26
Reviewed By:	sullivanp	Date:	05-Oct-2009 12:07:40

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.316	7.320	-0.004	37505	2.00	
* 2 Naphthalene-d8	136	8.629	8.633	-0.004	91118	2.00	
* 3 Acenaphthene-d10	164	10.394	10.398	-0.004	39176	2.00	
* 4 Phenanthrene-d10	188	11.851	11.855	-0.004	42937	2.00	
* 5 Chrysene-d12	240	14.515	14.519	-0.004	23609	2.00	
* 6 Perylene-d12	264	15.991	15.990	0.001	15525	2.00	
$ 7 2-Fluorophenol	112	5.927	5.925	0.001	12456	1.00	
$ 8 Phenol-d5	99	7.004	7.003	0.002	15553	1.03	
$ 9 Nitrobenzene-d5	82	7.932	7.931	0.001	14909	1.10	
$ 10 2-Fluorobiphenyl	172	9.716	9.715	0.001	28688	0.99	
$ 11 2,4,6-Tribromophenol	330	11.187	11.186	0.001	1494	0.8691	
$ 12 Terphenyl-d14	244	13.428	13.432	-0.004	10696	0.9638	
16 Pyridine	79	3.359	3.343	0.016	12037	0.9782	
15 N-Nitrosodimethylamine	74	3.421	3.420	0.001	6982	0.9415	
17 Benzaldehyde	105	6.874	6.873	0.001	5547	1.00	
18 Phenol	94	7.013	7.017	-0.004	19554	1.03	
19 Aniline	93	7.028	7.027	0.001	19399	1.02	
20 Bis(2-chloroethyl)ether	93	7.095	7.094	0.001	14425	1.04	
21 2-Chlorophenol	128	7.134	7.132	0.002	13068	1.01	
22 1,4-Dichlorobenzene	146	7.278	7.281	-0.003	16924	1.05	
23 1,3-Dichlorobenzene	146	7.335	7.334	0.001	17253	1.05	
24 Benzyl alcohol	79	7.494	7.493	0.001	10476	0.9442	
25 1,2-Dichlorobenzene	146	7.533	7.536	-0.003	15510	1.03	
26 2-Methylphenol	108	7.629	7.628	0.001	11499	1.01	
27 2,2'-oxybis[1-chloropropane]	45	7.653	7.652	0.001	14180	1.06	
30 Acetophenone	105	7.773	7.772	0.001	17703	1.01	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	7.773	7.777	-0.004	11951	1.02	
29 N-Nitrosodi-n-propylamine	70	7.792	7.791	0.001	10320	1.04	
31 Hexachloroethane	117	7.845	7.844	0.001	6609	1.04	
32 Nitrobenzene	77	7.946	7.950	-0.004	15552	1.09	
33 Isophorone	82	8.172	8.171	0.001	23909	1.10	
34 2-Nitrophenol	139	8.273	8.272	0.001	4721	1.00	
35 2,4-Dimethylphenol	107	8.302	8.301	0.001	13254	1.10	
37 Bis(2-chloroethoxy)methane	93	8.403	8.402	0.001	15744	1.07	
36 Benzoic acid	105	8.302	8.410	-0.108	406	2.92	
38 2,4-Dichlorophenol	162	8.494	8.498	-0.004	8347	1.13	
39 1,2,4-Trichlorobenzene	180	8.586	8.585	0.001	13202	1.07	
40 Alpha-Terpineol	59	8.629	8.633	-0.004	8457	1.06	
41 Naphthalene	128	8.648	8.652	-0.004	42891	1.03	
42 4-Chloroaniline	127	8.730	8.729	0.001	12658	1.08	
43 Hexachlorobutadiene	225	8.821	8.820	0.001	7538	1.06	
44 Caprolactam	55	9.014	9.027	-0.013	1794	0.8350	
45 4-Chloro-3-methylphenol	107	9.196	9.200	-0.004	9064	1.07	
46 2-Methylnaphthalene	142	9.336	9.335	0.001	26137	1.09	
47 1-Methylnaphthalene	142	9.447	9.445	0.002	26015	1.01	
49 1,2,4,5-Tetrachlorobenzene	216	9.543	9.542	0.001	10596	1.04	
48 Hexachlorocyclopentadiene	237	9.557	9.556	0.001	3259	1.32	
50 2,4,6-Trichlorophenol	196	9.644	9.643	0.001	4734	0.8999	
51 2,4,5-Trichlorophenol	196	9.677	9.676	0.001	4627	0.8977	
52 1,1'-Biphenyl	154	9.802	9.806	-0.004	29640	0.9876	
53 2-Chloronaphthalene	162	9.822	9.825	-0.003	26036	0.9825	
54 Phenyl ether	170	9.913	9.917	-0.004	16173	1.01	
55 2-Nitroaniline	65	9.961	9.965	-0.004	3645	0.9713	
56 Dimethyl phthalate	163	10.153	10.157	-0.004	24899	0.9816	
57 2,6-Dinitrotoluene	165	10.235	10.239	-0.004	4331	0.8210	
58 Acenaphthylene	152	10.245	10.244	0.001	32445	0.99	
59 3-Nitroaniline	138	10.375	10.373	0.002	2785	0.7607	
61 Acenaphthene	153	10.428	10.426	0.002	22825	0.9699	
60 2,4-Dinitrophenol	184	10.471	10.470	0.001	166	1.77	
62 4-Nitrophenol	109	10.519	10.518	0.001	1008	1.56	
64 Dibenzofuran	168	10.581	10.580	0.001	27740	0.9655	
63 2,4-Dinitrotoluene	165	10.620	10.619	0.001	3708	0.6928	
65 2,3,4,6-Tetrachlorophenol	232	10.745	10.744	0.001	2588	0.8393	
66 Diethyl phthalate	149	10.841	10.845	-0.004	23763	0.9290	
67 4-Chlorophenyl phenyl ether	204	10.913	10.912	0.001	10931	0.9769	
69 Fluorene	166	10.923	10.922	0.001	20953	0.9388	
68 4-Nitroaniline	138	10.981	10.984	-0.003	1591	0.8192	
70 4,6-Dinitro-2-methylphenol	198	11.014	11.018	-0.004	589	1.54	
72 N-Nitrosodiphenylamine	169	11.038	11.042	-0.004	15759	1.01	
71 Diphenylamine	169	11.038	11.042	-0.004	15759	1.01	
73 1,2-Diphenylhydrazine	77	11.067	11.066	0.001	21871	0.9666	
74 Azobenzene	77	11.067	11.066	0.001	21871	0.9666	
13 Benzophenone	105	11.101	11.100	0.001	16247	0.9872	
75 4-Bromophenyl phenyl ether	248	11.394	11.398	-0.004	5142	0.9871	
76 Hexachlorobenzene	284	11.548	11.552	-0.004	6269	1.01	
77 Atrazine	200	11.582	11.585	-0.003	3511	0.9000	
78 Pentachlorophenol	266	11.721	11.725	-0.004	383	1.78	
79 Pentachloronitrobenzene	237	11.803	11.802	0.001	2058	0.8934	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.875	11.874	0.001	24555	1.01	
81 Anthracene	178	11.918	11.917	0.001	18910	0.9504	
83 Carbazole	167	12.082	12.085	-0.003	13762	0.9099	
84 Di-n-butyl phthalate	149	12.442	12.441	0.001	23581	0.7993	
87 Fluoranthene	202	13.063	13.062	0.001	16979	0.9878	
86 Benzidine	184	13.193	13.196	-0.003	1357	1.80	
85 Pyrene	202	13.289	13.288	0.001	17451	0.8899	
89 Butyl benzyl phthalate	149	13.928	13.932	-0.004	5010	0.7463	
91 3,3'-Dichlorobenzidine	252	14.481	14.482	-0.001	1518	1.37	
93 Benzo[a]anthracene	228	14.496	14.499	-0.003	8482	0.8085	
92 Bis(2-ethylhexyl) phthalate	149	14.510	14.511	-0.001	5561	0.9295	
94 Chrysene	228	14.544	14.539	0.005	12223	1.04	
95 Di-n-octyl phthalate	149	15.131	15.129	0.002	5088	0.8318	
97 Benzo[b]fluoranthene	252	15.611	15.610	0.001	9541	0.8933	
98 Benzo[k]fluoranthene	252	15.631	15.631	0.000	10666	0.9363	
99 Benzo[a]pyrene	252	15.934	15.937	-0.003	5093	0.6930	
100 Indeno[1,2,3-cd]pyrene	276	17.093	17.086	0.007	5315	0.8307	
101 Dibenz(a,h)anthracene	278	17.093	17.093	0.000	4436	0.8404	
102 Benzo[g,h,i]perylene	276	17.410	17.401	0.009	5990	0.9623	

Report Date: 05-Oct-2009 12:07:41 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03298.D

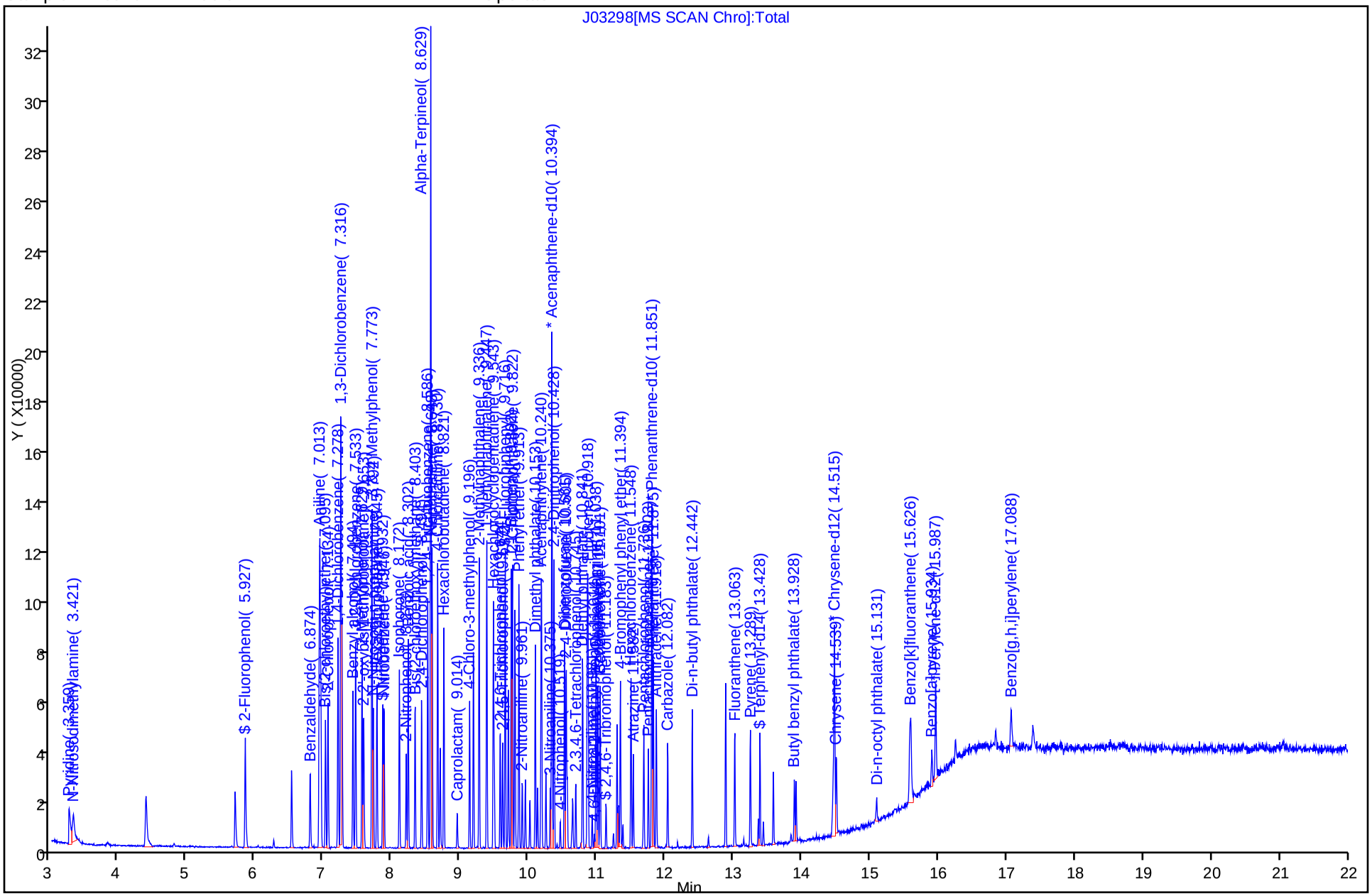
Inj Date: 04-Oct-2009 12:45:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49846 Lims Sample ID: 6

Client ID: Instrument: Inst. J

Sample Info: 1.0 ppm

Sample Amount: 1.00 ul Operator:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03299.D		
Lims ID:	std2.5	Client ID:	
Inject. Date:	04-Oct-2009 13:18:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	5
Sample ID:	2.5 ppm		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	49846	Lims Sample ID:	7
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\8270NDMA.m		
Last Update:	05-Oct-2009 12:07:07	Calib Date:	04-Oct-2009 14:57:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03302.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	05-Oct-2009 11:47:19
Reviewed By:	sullivanp	Date:	05-Oct-2009 12:07:46

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.319	7.319	0.000	44506	2.00	
* 2 Naphthalene-d8	136	8.632	8.632	0.000	110880	2.00	
* 3 Acenaphthene-d10	164	10.396	10.396	0.000	47472	2.00	
* 4 Phenanthrene-d10	188	11.853	11.853	0.000	58527	2.00	
* 5 Chrysene-d12	240	14.518	14.518	0.000	30440	2.00	
* 6 Perylene-d12	264	15.989	15.989	0.000	16666	2.00	
$ 7 2-Fluorophenol	112	5.924	5.924	0.000	35886	2.43	
$ 8 Phenol-d5	99	7.001	7.001	0.000	44825	2.50	
$ 9 Nitrobenzene-d5	82	7.929	7.929	0.000	44021	2.66	
$ 10 2-Fluorobiphenyl	172	9.718	9.718	0.000	81726	2.34	
$ 11 2,4,6-Tribromophenol	330	11.185	11.185	0.000	6396	2.17	
$ 12 Terphenyl-d14	244	13.431	13.431	0.000	34450	2.41	
16 Pyridine	79	3.347	3.347	0.000	35576	2.44	
15 N-Nitrosodimethylamine	74	3.419	3.419	0.000	20782	2.36	
17 Benzaldehyde	105	6.872	6.872	0.000	15388	2.34	
18 Phenol	94	7.016	7.016	0.000	55626	2.46	
19 Aniline	93	7.030	7.030	0.000	55130	2.44	
20 Bis(2-chloroethyl)ether	93	7.093	7.093	0.000	39955	2.43	
21 2-Chlorophenol	128	7.131	7.131	0.000	38485	2.51	
22 1,4-Dichlorobenzene	146	7.280	7.280	0.000	44489	2.33	
23 1,3-Dichlorobenzene	146	7.338	7.338	0.000	46226	2.37	
24 Benzyl alcohol	79	7.497	7.497	0.000	32982	2.51	
25 1,2-Dichlorobenzene	146	7.535	7.535	0.000	41717	2.34	
26 2-Methylphenol	108	7.627	7.627	0.000	34449	2.54	
27 2,2'-oxybis[1-chloropropane]	45	7.651	7.651	0.000	37168	2.34	
30 Acetophenone	105	7.771	7.771	0.000	53131	2.56	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	7.776	7.776	0.000	35977	2.59	
29 N-Nitrosodi-n-propylamine	70	7.795	7.795	0.000	30097	2.55	
31 Hexachloroethane	117	7.843	7.843	0.000	17976	2.39	
32 Nitrobenzene	77	7.949	7.949	0.000	46040	2.66	
33 Isophorone	82	8.170	8.170	0.000	76942	2.91	
34 2-Nitrophenol	139	8.271	8.271	0.000	16917	2.73	
35 2,4-Dimethylphenol	107	8.300	8.300	0.000	39206	2.67	
37 Bis(2-chloroethoxy)methane	93	8.401	8.401	0.000	44799	2.50	
36 Benzoic acid	105	8.348	8.410	-0.062	381	2.80	
38 2,4-Dichlorophenol	162	8.497	8.497	0.000	26289	2.94	
39 1,2,4-Trichlorobenzene	180	8.588	8.588	0.000	35541	2.69	
40 Alpha-Terpineol	59	8.632	8.632	0.000	27997	2.87	
41 Naphthalene	128	8.651	8.651	0.000	121085	2.71	
42 4-Chloroaniline	127	8.733	8.733	0.000	40880	2.88	
43 Hexachlorobutadiene	225	8.824	8.824	0.000	20421	2.70	
44 Caprolactam	55	9.021	9.021	0.000	7581	2.47	
45 4-Chloro-3-methylphenol	107	9.194	9.194	0.000	30890	3.01	
46 2-Methylnaphthalene	142	9.334	9.334	0.000	75125	2.57	
47 1-Methylnaphthalene	142	9.444	9.444	0.000	76112	2.71	
49 1,2,4,5-Tetrachlorobenzene	216	9.540	9.540	0.000	29768	2.71	
48 Hexachlorocyclopentadiene	237	9.555	9.555	0.000	11621	2.57	
50 2,4,6-Trichlorophenol	196	9.641	9.641	0.000	17109	2.38	
51 2,4,5-Trichlorophenol	196	9.675	9.675	0.000	16419	2.25	
52 1,1'-Biphenyl	154	9.805	9.805	0.000	84762	2.33	
53 2-Chloronaphthalene	162	9.819	9.819	0.000	75933	2.36	
54 Phenyl ether	170	9.916	9.916	0.000	47328	2.73	
55 2-Nitroaniline	65	9.964	9.964	0.000	15928	2.27	
56 Dimethyl phthalate	163	10.156	10.156	0.000	79117	2.57	
57 2,6-Dinitrotoluene	165	10.238	10.238	0.000	16348	2.36	
58 Acenaphthylene	152	10.247	10.247	0.000	101912	2.57	
59 3-Nitroaniline	138	10.372	10.372	0.000	11573	2.25	
61 Acenaphthene	153	10.425	10.425	0.000	68739	2.41	
60 2,4-Dinitrophenol	184	10.469	10.469	0.000	1557	2.52	
62 4-Nitrophenol	109	10.517	10.517	0.000	5385	2.64	
64 Dibenzofuran	168	10.579	10.579	0.000	84453	2.43	
63 2,4-Dinitrotoluene	165	10.622	10.622	0.000	16588	2.16	
65 2,3,4,6-Tetrachlorophenol	232	10.743	10.743	0.000	10860	2.17	
66 Diethyl phthalate	149	10.844	10.844	0.000	80116	2.58	
67 4-Chlorophenyl phenyl ether	204	10.911	10.911	0.000	34433	2.54	
69 Fluorene	166	10.921	10.921	0.000	69721	2.58	
68 4-Nitroaniline	138	10.983	10.983	0.000	7276	2.34	
70 4,6-Dinitro-2-methylphenol	198	11.017	11.017	0.000	3471	2.42	
72 N-Nitrosodiphenylamine	169	11.041	11.041	0.000	53233	2.50	
71 Diphenylamine	169	11.041	11.041	0.000	53233	2.50	
73 1,2-Diphenylhydrazine	77	11.065	11.065	0.000	78625	2.48	
74 Azobenzene	77	11.065	11.065	0.000	78625	2.48	
13 Benzophenone	105	11.098	11.098	0.000	56647	2.46	
75 4-Bromophenyl phenyl ether	248	11.397	11.397	0.000	16829	2.37	
76 Hexachlorobenzene	284	11.551	11.551	0.000	19564	2.31	
77 Atrazine	200	11.584	11.584	0.000	14525	2.50	
78 Pentachlorophenol	266	11.724	11.725	-0.001	3447	2.58	
79 Pentachloronitrobenzene	237	11.801	11.801	0.000	7757	2.33	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.873	11.873	0.000	76608	2.30	
81 Anthracene	178	11.916	11.916	0.000	67540	2.43	
83 Carbazole	167	12.084	12.084	0.000	47615	2.18	
84 Di-n-butyl phthalate	149	12.440	12.440	0.000	101696	2.34	
87 Fluoranthene	202	13.060	13.060	0.000	57679	2.46	
86 Benzidine	184	13.195	13.196	-0.001	4862	2.48	
85 Pyrene	202	13.286	13.286	0.000	59848	2.37	
89 Butyl benzyl phthalate	149	13.931	13.931	0.000	25165	2.32	
91 3,3'-Dichlorobenzidine	252	14.484	14.484	0.000	5577	2.19	
93 Benzo[a]anthracene	228	14.498	14.498	0.000	32792	2.27	
92 Bis(2-ethylhexyl) phthalate	149	14.508	14.508	0.000	31649	2.35	
94 Chrysene	228	14.542	14.542	0.000	35610	2.35	
95 Di-n-octyl phthalate	149	15.128	15.128	0.000	20465	2.21	
97 Benzo[b]fluoranthene	252	15.609	15.609	0.000	25272	2.20	
98 Benzo[k]fluoranthene	252	15.628	15.628	0.000	31745	2.60	
99 Benzo[a]pyrene	252	15.936	15.936	0.000	18022	2.13	
100 Indeno[1,2,3-cd]pyrene	276	17.090	17.090	0.000	16949	2.35	
101 Dibenz(a,h)anthracene	278	17.095	17.095	0.000	14217	2.36	
102 Benzo[g,h,i]perylene	276	17.408	17.408	0.000	17051	2.55	

Report Date: 05-Oct-2009 12:07:46 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03299.D

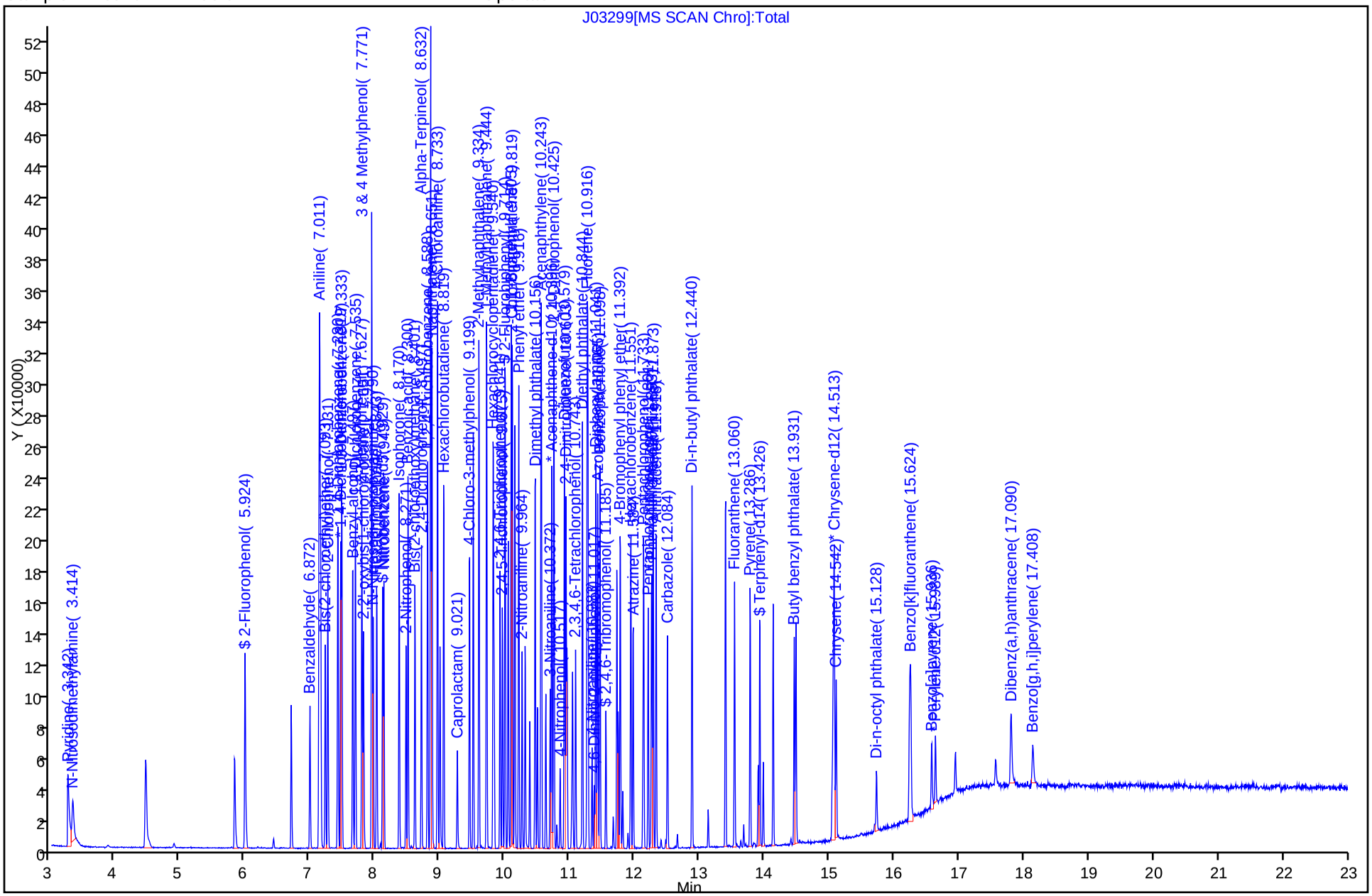
Inj Date: 04-Oct-2009 13:18:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49846 Lims Sample ID: 7

Client ID: Instrument: Inst. J

Sample Info: 2.5 ppm

Sample Amount: 1.00 ul Operator:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03300.D		
Lims ID:	std8	Client ID:	
Inject. Date:	04-Oct-2009 13:51:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	8.0 ppm		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	49846	Lims Sample ID:	8
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\8270NDMA.m		
Last Update:	05-Oct-2009 12:07:07	Calib Date:	04-Oct-2009 14:57:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03302.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	05-Oct-2009 11:48:04
Reviewed By:	sullivanp	Date:	05-Oct-2009 12:07:52

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.320	7.320	0.000	53900	2.00	
* 2 Naphthalene-d8	136	8.632	8.633	-0.001	141436	2.00	
* 3 Acenaphthene-d10	164	10.397	10.398	-0.001	46392	2.00	
* 4 Phenanthrene-d10	188	11.854	11.855	-0.001	59177	2.00	
* 5 Chrysene-d12	240	14.518	14.519	-0.001	34939	2.00	
* 6 Perylene-d12	264	15.990	15.990	0.000	23335	2.00	
$ 7 2-Fluorophenol	112	5.925	5.925	0.000	122567	6.86	
$ 8 Phenol-d5	99	7.007	7.003	0.005	150896	6.95	
$ 9 Nitrobenzene-d5	82	7.930	7.931	-0.001	147967	7.02	
$ 10 2-Fluorobiphenyl	172	9.719	9.715	0.004	260905	7.64	
$ 11 2,4,6-Tribromophenol	330	11.186	11.186	0.000	25017	7.64	
$ 12 Terphenyl-d14	244	13.427	13.432	-0.005	126025	7.67	
16 Pyridine	79	3.328	3.343	-0.015	124838	7.06	
15 N-Nitrosodimethylamine	74	3.410	3.420	-0.010	72482	6.80	
17 Benzaldehyde	105	6.872	6.873	-0.001	53930	6.77	
18 Phenol	94	7.017	7.017	0.000	180943	6.61	
19 Aniline	93	7.031	7.027	0.004	189097	6.91	
20 Bis(2-chloroethyl)ether	93	7.098	7.094	0.004	126815	6.38	
21 2-Chlorophenol	128	7.132	7.132	0.000	128297	6.90	
22 1,4-Dichlorobenzene	146	7.281	7.281	0.000	143190	6.19	
23 1,3-Dichlorobenzene	146	7.339	7.334	0.005	147780	6.26	
24 Benzyl alcohol	79	7.498	7.493	0.005	114714	7.19	
25 1,2-Dichlorobenzene	146	7.536	7.536	0.000	135552	6.28	
26 2-Methylphenol	108	7.627	7.628	-0.001	115418	7.04	
27 2,2'-oxybis[1-chloropropane]	45	7.651	7.652	-0.001	122048	6.35	
30 Acetophenone	105	7.772	7.772	0.000	176522	7.03	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	7.776	7.777	-0.001	121359	7.22	
29 N-Nitrosodi-n-propylamine	70	7.796	7.791	0.005	100488	7.03	
31 Hexachloroethane	117	7.844	7.844	0.000	61186	6.71	
32 Nitrobenzene	77	7.950	7.950	0.000	152327	6.89	
33 Isophorone	82	8.171	8.171	0.000	263968	7.82	
34 2-Nitrophenol	139	8.272	8.272	0.000	62887	7.77	
35 2,4-Dimethylphenol	107	8.301	8.301	0.000	131430	7.01	
37 Bis(2-chloroethoxy)methane	93	8.402	8.402	0.000	149044	6.53	
36 Benzoic acid	105	8.368	8.410	-0.042	8918	6.62	
38 2,4-Dichlorophenol	162	8.498	8.498	0.000	93363	8.18	
39 1,2,4-Trichlorobenzene	180	8.589	8.585	0.004	112628	7.95	
40 Alpha-Terpineol	59	8.632	8.633	-0.001	96012	7.72	
41 Naphthalene	128	8.652	8.652	0.000	386450	8.01	
42 4-Chloroaniline	127	8.733	8.729	0.004	140689	7.77	
43 Hexachlorobutadiene	225	8.820	8.820	0.000	63650	7.80	
44 Caprolactam	55	9.032	9.027	0.005	33091	8.04	
45 4-Chloro-3-methylphenol	107	9.200	9.200	0.000	109416	8.36	
46 2-Methylnaphthalene	142	9.334	9.335	-0.001	245897	6.60	
47 1-Methylnaphthalene	142	9.445	9.445	0.000	245729	8.09	
49 1,2,4,5-Tetrachlorobenzene	216	9.546	9.542	0.004	96023	8.17	
48 Hexachlorocyclopentadiene	237	9.556	9.556	0.000	38935	7.18	
50 2,4,6-Trichlorophenol	196	9.642	9.643	-0.001	61636	8.36	
51 2,4,5-Trichlorophenol	196	9.681	9.676	0.005	60515	7.92	
52 1,1'-Biphenyl	154	9.806	9.806	0.000	278173	7.83	
53 2-Chloronaphthalene	162	9.825	9.825	0.000	245475	7.82	
54 Phenyl ether	170	9.916	9.917	-0.001	151509	8.07	
55 2-Nitroaniline	65	9.964	9.965	-0.001	61602	7.61	
56 Dimethyl phthalate	163	10.157	10.157	0.000	260562	8.67	
57 2,6-Dinitrotoluene	165	10.239	10.239	0.000	57260	8.24	
58 Acenaphthylene	152	10.248	10.244	0.004	346037	8.92	
59 3-Nitroaniline	138	10.373	10.373	0.000	41525	7.88	
61 Acenaphthene	153	10.431	10.426	0.005	221694	7.96	
60 2,4-Dinitrophenol	184	10.474	10.470	0.004	11200	7.20	
62 4-Nitrophenol	109	10.517	10.518	-0.001	23244	7.42	
64 Dibenzofuran	168	10.580	10.580	0.000	277926	8.17	
63 2,4-Dinitrotoluene	165	10.623	10.619	0.004	63752	8.05	
65 2,3,4,6-Tetrachlorophenol	232	10.743	10.744	-0.001	42538	7.80	
66 Diethyl phthalate	149	10.844	10.845	-0.001	268511	8.86	
67 4-Chlorophenyl phenyl ether	204	10.912	10.912	0.000	109189	8.24	
69 Fluorene	166	10.926	10.922	0.004	228170	8.63	
68 4-Nitroaniline	138	10.984	10.984	0.000	24832	7.50	
70 4,6-Dinitro-2-methylphenol	198	11.018	11.018	0.000	20811	7.58	
72 N-Nitrosodiphenylamine	169	11.042	11.042	0.000	179649	8.35	
71 Diphenylamine	169	11.042	11.042	0.000	179649	8.35	
73 1,2-Diphenylhydrazine	77	11.066	11.066	0.000	265568	8.20	
74 Azobenzene	77	11.066	11.066	0.000	265568	8.20	
13 Benzophenone	105	11.099	11.100	-0.001	196063	8.31	
75 4-Bromophenyl phenyl ether	248	11.397	11.398	-0.001	56295	7.84	
76 Hexachlorobenzene	284	11.551	11.552	-0.001	62828	7.32	
77 Atrazine	200	11.585	11.585	0.000	50560	8.34	
78 Pentachlorophenol	266	11.724	11.725	-0.001	21038	7.32	
79 Pentachloronitrobenzene	237	11.801	11.802	-0.001	28059	8.15	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.878	11.874	0.004	256278	7.62	
81 Anthracene	178	11.922	11.917	0.005	234458	8.24	
83 Carbazole	167	12.085	12.085	0.000	177962	7.81	
84 Di-n-butyl phthalate	149	12.441	12.441	0.000	368416	8.14	
87 Fluoranthene	202	13.061	13.062	-0.001	208727	8.81	
86 Benzidine	184	13.196	13.196	0.000	25585	7.10	
85 Pyrene	202	13.287	13.288	-0.001	218590	7.53	
89 Butyl benzyl phthalate	149	13.932	13.932	0.000	107797	8.10	
91 3,3'-Dichlorobenzidine	252	14.485	14.482	0.003	33481	7.50	
93 Benzo[a]anthracene	228	14.499	14.499	0.000	134279	7.91	
92 Bis(2-ethylhexyl) phthalate	149	14.509	14.511	-0.002	144942	7.86	
94 Chrysene	228	14.542	14.539	0.003	132710	7.64	
95 Di-n-octyl phthalate	149	15.129	15.129	0.000	141582	8.21	
97 Benzo[b]fluoranthene	252	15.610	15.610	0.000	121309	7.56	
98 Benzo[k]fluoranthene	252	15.634	15.631	0.003	138124	8.07	
99 Benzo[a]pyrene	252	15.932	15.937	-0.005	94371	7.80	
100 Indeno[1,2,3-cd]pyrene	276	17.091	17.086	0.005	84481	8.23	
101 Dibenz(a,h)anthracene	278	17.091	17.093	-0.002	64943	7.53	
102 Benzo[g,h,i]perylene	276	17.408	17.401	0.007	72388	7.74	

Report Date: 05-Oct-2009 12:07:52 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03300.D

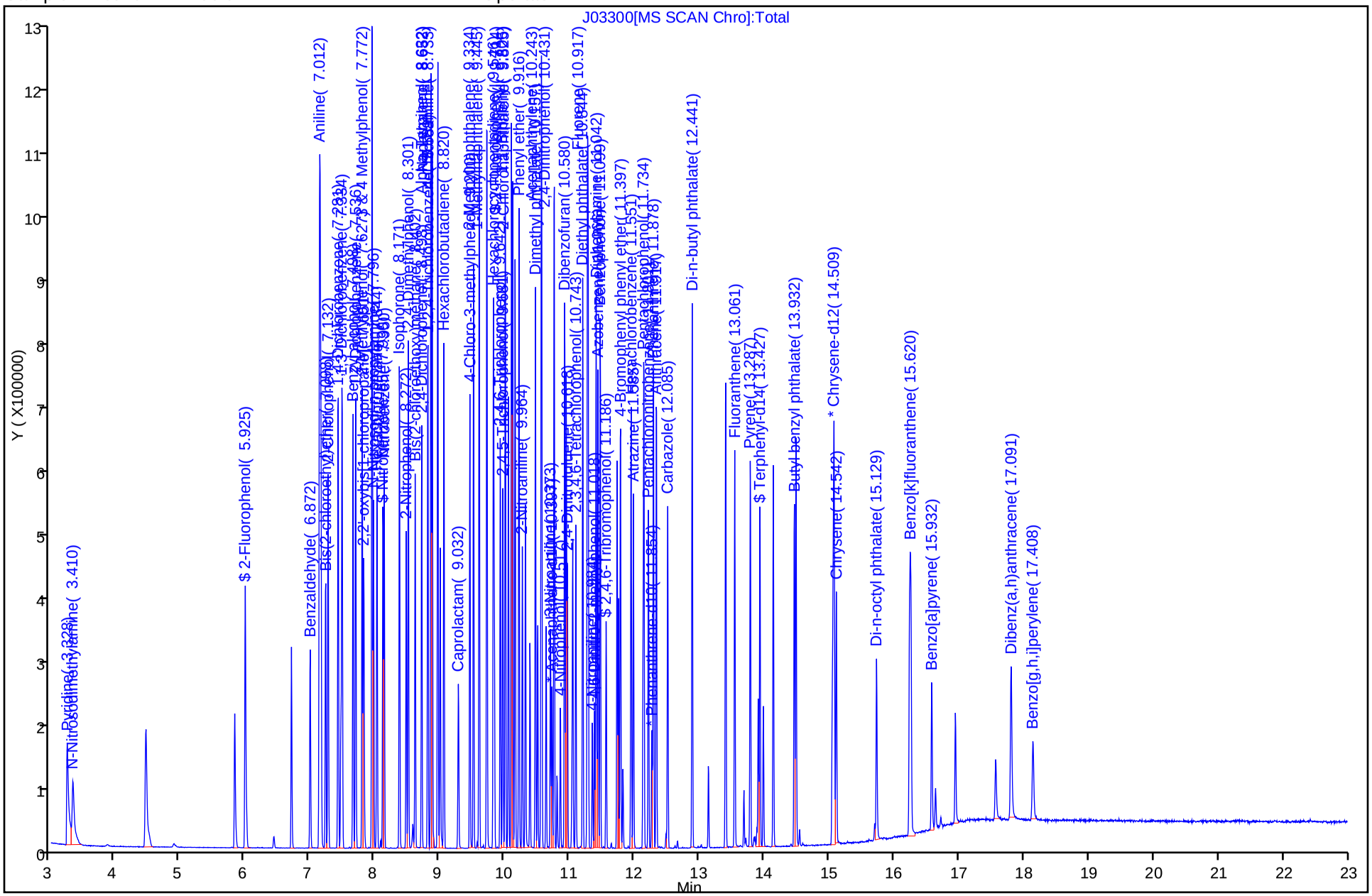
Inj Date: 04-Oct-2009 13:51:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49846 Lims Sample ID: 8

Client ID: Instrument: Inst. J

Sample Info: 8.0 ppm

Sample Amount: 1.00 ul Operator:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03301.D		
Lims ID:	std10	Client ID:	
Inject. Date:	04-Oct-2009 14:24:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	8
Sample ID:	10.0 ppm		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	49846	Lims Sample ID:	9
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\8270NDMA.m		
Last Update:	05-Oct-2009 12:07:57	Calib Date:	04-Oct-2009 14:57:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03302.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	05-Oct-2009 11:48:59
Reviewed By:	sullivanp	Date:	05-Oct-2009 12:07:57

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.319	7.320	-0.001	50516	2.00	
* 2 Naphthalene-d8	136	8.632	8.633	-0.001	170021	2.00	
* 3 Acenaphthene-d10	164	10.396	10.398	-0.002	51156	2.00	
* 4 Phenanthrene-d10	188	11.854	11.855	-0.001	67388	2.00	
* 5 Chrysene-d12	240	14.518	14.519	-0.001	50086	2.00	
* 6 Perylene-d12	264	15.989	15.990	-0.001	37778	2.00	s
$ 7 2-Fluorophenol	112	5.929	5.925	0.004	173066	10.3	
$ 8 Phenol-d5	99	7.006	7.003	0.004	210070	10.3	
$ 9 Nitrobenzene-d5	82	7.934	7.931	0.003	210319	8.30	
$ 10 2-Fluorobiphenyl	172	9.718	9.715	0.003	356482	9.46	
$ 11 2,4,6-Tribromophenol	330	11.190	11.186	0.004	38024	10.1	
$ 12 Terphenyl-d14	244	13.431	13.432	-0.001	203337	8.64	
16 Pyridine	79	3.337	3.343	-0.006	178925	10.8	
15 N-Nitrosodimethylamine	74	3.414	3.420	-0.006	101344	10.1	
17 Benzaldehyde	105	6.872	6.873	-0.001	77655	10.4	
18 Phenol	94	7.021	7.017	0.004	254621	9.93	
19 Aniline	93	7.030	7.027	0.003	267113	10.4	
20 Bis(2-chloroethyl)ether	93	7.098	7.094	0.004	176032	9.45	
21 2-Chlorophenol	128	7.131	7.132	-0.001	177514	10.2	
22 1,4-Dichlorobenzene	146	7.280	7.281	-0.001	199806	9.22	
23 1,3-Dichlorobenzene	146	7.338	7.334	0.004	202868	9.16	
24 Benzyl alcohol	79	7.497	7.493	0.004	162646	10.9	
25 1,2-Dichlorobenzene	146	7.535	7.536	-0.001	188960	9.34	
26 2-Methylphenol	108	7.631	7.628	0.003	161200	10.5	
27 2,2'-oxybis[1-chloropropane]	45	7.651	7.652	-0.001	168085	9.33	
30 Acetophenone	105	7.776	7.772	0.004	246976	10.5	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	7.776	7.777	-0.001	168372	10.7	
29 N-Nitrosodi-n-propylamine	70	7.795	7.791	0.004	141989	10.6	
31 Hexachloroethane	117	7.843	7.844	-0.001	85637	10.0	
32 Nitrobenzene	77	7.954	7.950	0.004	213285	8.03	
33 Isophorone	82	8.175	8.171	0.004	373035	9.19	
34 2-Nitrophenol	139	8.271	8.272	-0.001	90869	9.32	
35 2,4-Dimethylphenol	107	8.305	8.301	0.004	183487	8.14	
37 Bis(2-chloroethoxy)methane	93	8.401	8.402	-0.001	207781	7.58	
36 Benzoic acid	105	8.386	8.410	-0.024	34716	11.1	
38 2,4-Dichlorophenol	162	8.497	8.498	-0.001	130427	9.50	
39 1,2,4-Trichlorobenzene	180	8.588	8.585	0.003	155240	9.56	
40 Alpha-Terpineol	59	8.632	8.633	-0.001	134391	8.99	
41 Naphthalene	128	8.651	8.652	-0.001	529860	9.56	
42 4-Chloroaniline	127	8.733	8.729	0.004	195311	8.97	
43 Hexachlorobutadiene	225	8.824	8.820	0.004	89648	9.66	
44 Caprolactam	55	9.040	9.027	0.013	49593	9.98	
45 4-Chloro-3-methylphenol	107	9.199	9.200	-0.001	153235	9.74	
46 2-Methylnaphthalene	142	9.339	9.335	0.004	338777	7.57	
47 1-Methylnaphthalene	142	9.449	9.445	0.004	334582	9.56	
49 1,2,4,5-Tetrachlorobenzene	216	9.545	9.542	0.003	128307	9.43	
48 Hexachlorocyclopentadiene	237	9.560	9.556	0.004	62330	10.1	
50 2,4,6-Trichlorophenol	196	9.646	9.643	0.003	86918	10.6	
51 2,4,5-Trichlorophenol	196	9.680	9.676	0.004	86370	10.2	
52 1,1'-Biphenyl	154	9.810	9.806	0.004	377641	9.64	
53 2-Chloronaphthalene	162	9.824	9.825	-0.001	340863	9.85	
54 Phenyl ether	170	9.916	9.917	-0.001	206854	9.57	
55 2-Nitroaniline	65	9.964	9.965	-0.001	90732	10.0	
56 Dimethyl phthalate	163	10.156	10.157	-0.001	352293	10.6	
57 2,6-Dinitrotoluene	165	10.238	10.239	-0.001	77807	10.1	
58 Acenaphthylene	152	10.247	10.244	0.003	468044	10.9	
59 3-Nitroaniline	138	10.377	10.373	0.004	61736	10.6	
61 Acenaphthene	153	10.430	10.426	0.004	304177	9.90	
60 2,4-Dinitrophenol	184	10.473	10.470	0.003	23716	11.3	
62 4-Nitrophenol	109	10.521	10.518	0.003	38950	10.6	
64 Dibenzofuran	168	10.584	10.580	0.004	385816	10.3	
63 2,4-Dinitrotoluene	165	10.622	10.619	0.003	89998	10.3	
65 2,3,4,6-Tetrachlorophenol	232	10.748	10.744	0.004	61923	10.2	
66 Diethyl phthalate	149	10.849	10.845	0.003	367648	11.0	
67 4-Chlorophenyl phenyl ether	204	10.916	10.912	0.004	148402	10.2	
69 Fluorene	166	10.925	10.922	0.003	316972	10.9	
68 4-Nitroaniline	138	10.988	10.984	0.004	40255	10.9	
70 4,6-Dinitro-2-methylphenol	198	11.022	11.018	0.004	37806	10.9	
72 N-Nitrosodiphenylamine	169	11.041	11.042	-0.001	255414	10.4	
71 Diphenylamine	169	11.041	11.042	-0.001	255414	10.4	
73 1,2-Diphenylhydrazine	77	11.070	11.066	0.004	375435	10.2	
74 Azobenzene	77	11.070	11.066	0.004	375435	10.2	
13 Benzophenone	105	11.103	11.100	0.003	271687	10.1	
75 4-Bromophenyl phenyl ether	248	11.397	11.398	-0.001	77941	9.53	
76 Hexachlorobenzene	284	11.551	11.552	-0.001	84182	8.62	
77 Atrazine	200	11.584	11.585	-0.001	69902	10.1	
78 Pentachlorophenol	266	11.724	11.725	-0.001	35855	10.1	
79 Pentachloronitrobenzene	237	11.805	11.802	0.003	38553	9.82	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.878	11.874	0.004	367793	9.61	
81 Anthracene	178	11.921	11.917	0.004	352952	10.9	
83 Carbazole	167	12.084	12.085	-0.001	278538	10.7	
84 Di-n-butyl phthalate	149	12.440	12.441	-0.001	500411	9.69	
87 Fluoranthene	202	13.061	13.062	-0.001	322096	11.9	
86 Benzidine	184	13.195	13.196	-0.001	46776	10.6	
85 Pyrene	202	13.291	13.288	0.003	338089	8.13	
89 Butyl benzyl phthalate	149	13.931	13.932	-0.001	168195	8.79	
91 3,3'-Dichlorobenzidine	252	14.484	14.482	0.002	65667	9.91	
93 Benzo[a]anthracene	228	14.498	14.499	-0.001	241699	9.91	
92 Bis(2-ethylhexyl) phthalate	149	14.513	14.511	0.002	233118	8.75	
94 Chrysene	228	14.546	14.539	0.007	234738	9.42	
95 Di-n-octyl phthalate	149	15.128	15.129	-0.001	293286	9.95	
97 Benzo[b]fluoranthene	252	15.614	15.610	0.004	251362	9.67	
98 Benzo[k]fluoranthene	252	15.633	15.631	0.002	246595	8.90	
99 Benzo[a]pyrene	252	15.936	15.937	-0.001	195112	9.95	
100 Indeno[1,2,3-cd]pyrene	276	17.090	17.086	0.004	173037	10.4	
101 Dibenz(a,h)anthracene	278	17.095	17.093	0.002	136456	9.76	
102 Benzo[g,h,i]perylene	276	17.413	17.401	0.011	143981	9.51	

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

Report Date: 05-Oct-2009 12:07:57 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03301.D

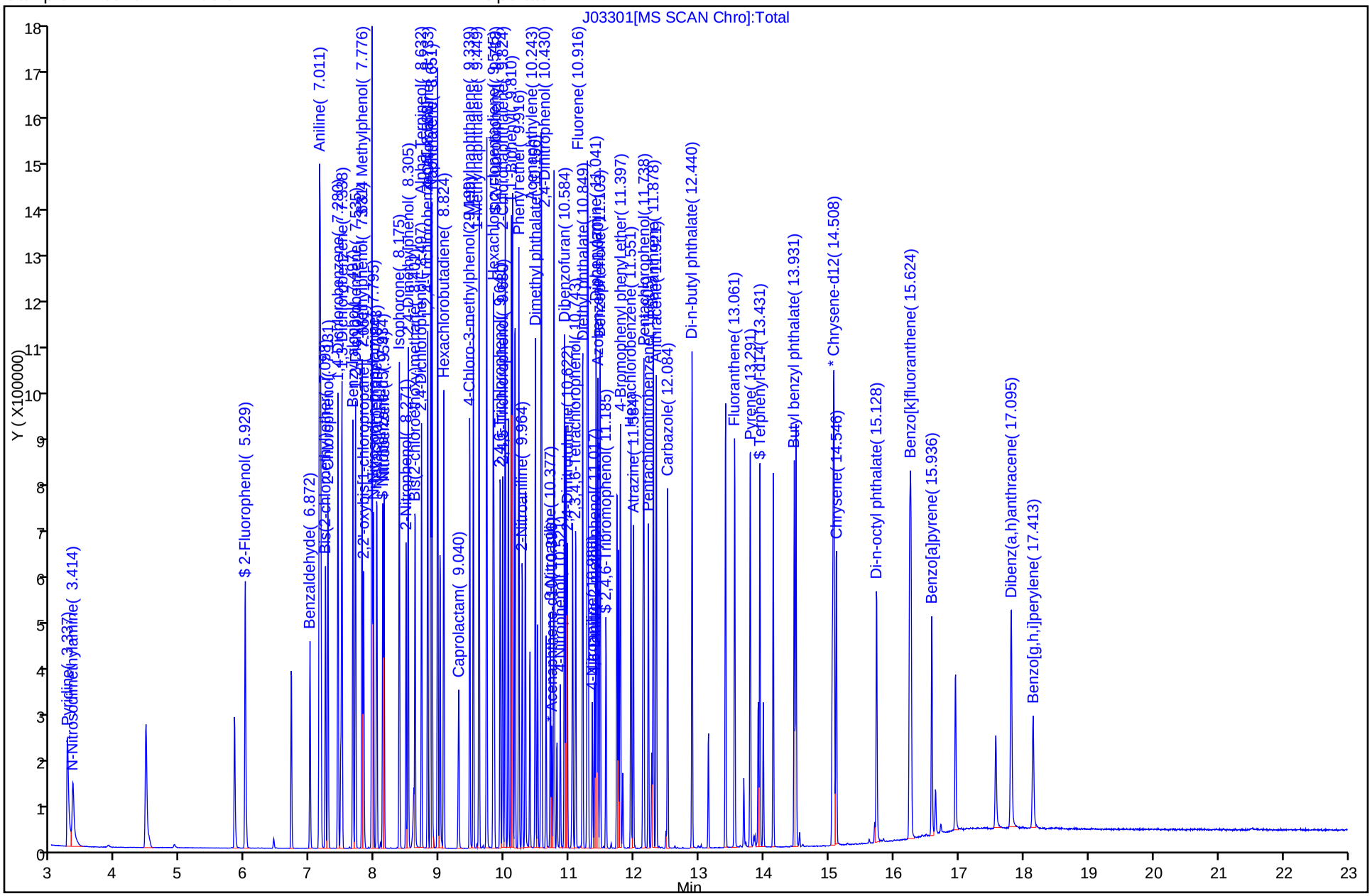
Inj Date: 04-Oct-2009 14:24:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49846 Lims Sample ID: 9

Client ID: Instrument: Inst. J

Sample Info: 10.0 ppm

Sample Amount: 1.00 ul Operator:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03302.D		
Lims ID:	std20	Client ID:	
Inject. Date:	04-Oct-2009 14:57:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	9
Sample ID:	20.0 ppm		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	49846	Lims Sample ID:	10
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\8270NDMA.m		
Last Update:	05-Oct-2009 12:08:02	Calib Date:	04-Oct-2009 14:57:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03302.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	05-Oct-2009 11:55:18
Reviewed By:	sullivanp	Date:	05-Oct-2009 12:08:02

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.323	7.320	0.003	45424	2.00	
* 2 Naphthalene-d8	136	8.636	8.633	0.003	231787	2.00	
* 3 Acenaphthene-d10	164	10.396	10.398	-0.002	53265	2.00	
* 4 Phenanthrene-d10	188	11.853	11.855	-0.002	69312	2.00	
* 5 Chrysene-d12	240	14.517	14.519	-0.002	42361	2.00	
* 6 Perylene-d12	264	15.988	15.990	-0.002	29045	2.00	
$ 7 2-Fluorophenol	112	5.928	5.925	0.003	354802	23.5	5
$ 8 Phenol-d5	99	7.010	7.003	0.008	426926	23.3	5
$ 9 Nitrobenzene-d5	82	7.934	7.931	0.003	436453	12.6	5
$ 10 2-Fluorobiphenyl	172	9.722	9.715	0.007	721572	18.4	
$ 11 2,4,6-Tribromophenol	330	11.189	11.186	0.003	81693	20.8	5
$ 12 Terphenyl-d14	244	13.430	13.432	-0.002	379013	19.0	
16 Pyridine	79	3.332	3.343	-0.011	390783	26.2	5
15 N-Nitrosodimethylamine	74	3.418	3.420	-0.002	204242	22.7	5
17 Benzaldehyde	105	6.871	6.873	-0.002	159938	23.8	5
18 Phenol	94	7.025	7.017	0.008	506981	22.0	5
19 Aniline	93	7.034	7.027	0.007	548815	23.8	5
20 Bis(2-chloroethyl)ether	93	7.102	7.094	0.008	353836	21.1	5
21 2-Chlorophenol	128	7.135	7.132	0.003	367463	23.4	5
22 1,4-Dichlorobenzene	146	7.280	7.281	-0.001	400285	20.5	5
23 1,3-Dichlorobenzene	146	7.337	7.334	0.003	411578	20.7	5
24 Benzyl alcohol	79	7.501	7.493	0.008	353289	26.3	5
25 1,2-Dichlorobenzene	146	7.534	7.536	-0.002	383468	21.1	5
26 2-Methylphenol	108	7.635	7.628	0.007	327955	23.7	5
27 2,2'-oxybis[1-chloropropane]	45	7.655	7.652	0.003	346333	21.4	5
30 Acetophenone	105	7.775	7.772	0.003	502613	23.7	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	7.780	7.777	0.003	344036	24.3	5
29 N-Nitrosodi-n-propylamine	70	7.804	7.791	0.013	296208	24.6	5
31 Hexachloroethane	117	7.847	7.844	0.003	174170	22.7	5
32 Nitrobenzene	77	7.953	7.950	0.003	440173	12.2	5
33 Isophorone	82	8.179	8.171	0.008	765896	13.8	
34 2-Nitrophenol	139	8.275	8.272	0.003	194216	14.6	5
35 2,4-Dimethylphenol	107	8.309	8.301	0.008	382414	12.4	5
37 Bis(2-chloroethoxy)methane	93	8.405	8.402	0.003	425794	11.4	5
36 Benzoic acid	105	8.410	8.410	0.000	162591	19.9	M
38 2,4-Dichlorophenol	162	8.501	8.498	0.003	272517	14.6	
39 1,2,4-Trichlorobenzene	180	8.588	8.585	0.003	310201	20.5	5
40 Alpha-Terpineol	59	8.636	8.633	0.003	278270	13.7	
41 Naphthalene	128	8.655	8.652	0.003	1070674	20.4	5
42 4-Chloroaniline	127	8.737	8.729	0.008	414368	14.0	
43 Hexachlorobutadiene	225	8.823	8.820	0.003	178363	20.4	5
44 Caprolactam	55	9.059	9.027	0.032	105749	15.5	5
45 4-Chloro-3-methylphenol	107	9.203	9.200	0.003	322478	15.0	
46 2-Methylnaphthalene	142	9.338	9.335	0.003	683041	11.2	5
47 1-Methylnaphthalene	142	9.448	9.445	0.003	671828	20.4	5
49 1,2,4,5-Tetrachlorobenzene	216	9.544	9.542	0.002	257097	20.6	5
48 Hexachlorocyclopentadiene	237	9.559	9.556	0.003	136349	20.5	5
50 2,4,6-Trichlorophenol	196	9.645	9.643	0.002	181621	21.2	5
51 2,4,5-Trichlorophenol	196	9.684	9.676	0.008	183363	20.6	5
52 1,1'-Biphenyl	154	9.809	9.806	0.003	766180	18.8	
53 2-Chloronaphthalene	162	9.828	9.825	0.003	700816	19.5	
54 Phenyl ether	170	9.920	9.917	0.003	419661	20.3	5
55 2-Nitroaniline	65	9.968	9.965	0.003	196851	20.3	5
56 Dimethyl phthalate	163	10.160	10.157	0.003	724984	21.0	5
57 2,6-Dinitrotoluene	165	10.242	10.239	0.003	161491	20.1	5
58 Acenaphthylene	152	10.251	10.244	0.007	978904	22.0	5
59 3-Nitroaniline	138	10.381	10.373	0.008	127399	20.8	5
61 Acenaphthene	153	10.434	10.426	0.008	620989	19.4	
60 2,4-Dinitrophenol	184	10.477	10.470	0.007	56571	19.9	
62 4-Nitrophenol	109	10.525	10.518	0.007	81400	20.1	5
64 Dibenzofuran	168	10.583	10.580	0.003	793821	20.3	5
63 2,4-Dinitrotoluene	165	10.626	10.619	0.007	193590	21.0	5
65 2,3,4,6-Tetrachlorophenol	232	10.747	10.744	0.003	135029	21.0	5
66 Diethyl phthalate	149	10.848	10.845	0.003	768239	22.1	5
67 4-Chlorophenyl phenyl ether	204	10.915	10.912	0.003	305158	20.1	5
69 Fluorene	166	10.925	10.922	0.003	655276	21.6	5
68 4-Nitroaniline	138	10.992	10.984	0.008	80845	20.8	5
70 4,6-Dinitro-2-methylphenol	198	11.026	11.018	0.008	85521	19.9	
72 N-Nitrosodiphenylamine	169	11.045	11.042	0.003	529699	21.0	5
71 Diphenylamine	169	11.045	11.042	0.003	529699	21.0	5
73 1,2-Diphenylhydrazine	77	11.069	11.066	0.003	812839	21.4	5
74 Azobenzene	77	11.069	11.066	0.003	812839	21.4	5
13 Benzophenone	105	11.103	11.100	0.003	582737	21.0	5
75 4-Bromophenyl phenyl ether	248	11.396	11.398	-0.002	163081	19.4	
76 Hexachlorobenzene	284	11.555	11.552	0.003	175199	17.4	
77 Atrazine	200	11.588	11.585	0.003	147308	20.6	5
78 Pentachlorophenol	266	11.728	11.725	0.003	81001	20.3	5
79 Pentachloronitrobenzene	237	11.809	11.802	0.007	81430	20.1	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.882	11.874	0.008	762291	19.4	
81 Anthracene	178	11.925	11.917	0.008	729269	21.8	5
83 Carbazole	167	12.088	12.085	0.003	544166	20.3	5
84 Di-n-butyl phthalate	149	12.444	12.441	0.003	1092601	20.5	5
87 Fluoranthene	202	13.065	13.062	0.003	624891	22.5	5
86 Benzidine	184	13.199	13.196	0.003	98566	20.2	5
85 Pyrene	202	13.291	13.288	0.003	638810	18.2	
89 Butyl benzyl phthalate	149	13.930	13.932	-0.002	347047	21.2	5
91 3,3'-Dichlorobenzidine	252	14.483	14.482	0.001	120159	20.4	5
93 Benzo[a]anthracene	228	14.498	14.499	-0.001	428565	20.7	5
92 Bis(2-ethylhexyl) phthalate	149	14.512	14.511	0.001	484361	20.8	5
94 Chrysene	228	14.546	14.539	0.007	409219	19.4	5
95 Di-n-octyl phthalate	149	15.132	15.129	0.003	581814	20.0	
97 Benzo[b]fluoranthene	252	15.613	15.610	0.003	396485	19.8	5
98 Benzo[k]fluoranthene	252	15.637	15.631	0.006	418098	19.6	
99 Benzo[a]pyrene	252	15.935	15.937	-0.002	318728	21.1	5
100 Indeno[1,2,3-cd]pyrene	276	17.094	17.086	0.008	273469	21.3	5
101 Dibenz(a,h)anthracene	278	17.094	17.093	0.001	222385	20.6	5
102 Benzo[g,h,i]perylene	276	17.412	17.401	0.011	214325	18.4	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 05-Oct-2009 12:08:02 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03302.D

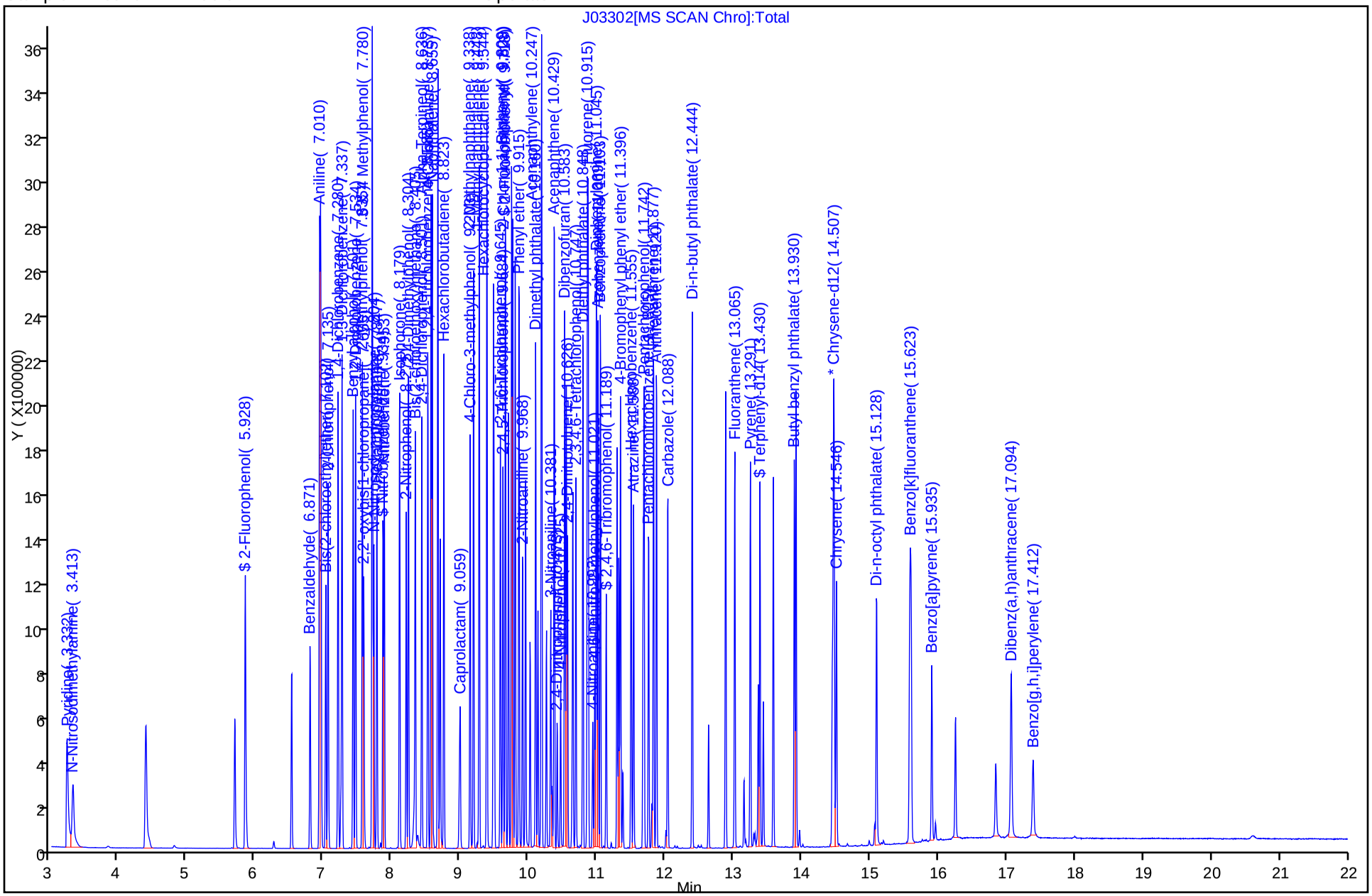
Inj Date: 04-Oct-2009 14:57:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49846 Lims Sample ID: 10

Client ID: Instrument: Inst. J

Sample Info: 20.0 ppm

Sample Amount: 1.00 ul Operator:



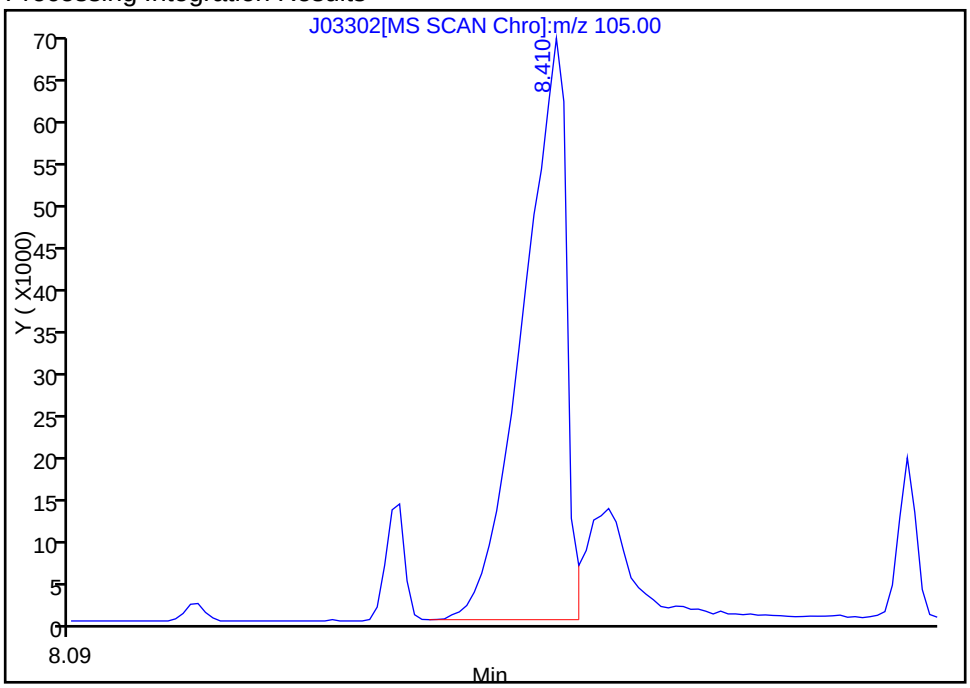
Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03302.D		
Inj Date:	04-Oct-2009 14:57:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49846	Lims Sample ID:	10
Client ID:		Instrument:	Inst. J
Sample Info:	20.0 ppm		
Sample Amount:	1.00 ul	Operator:	

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 8.41

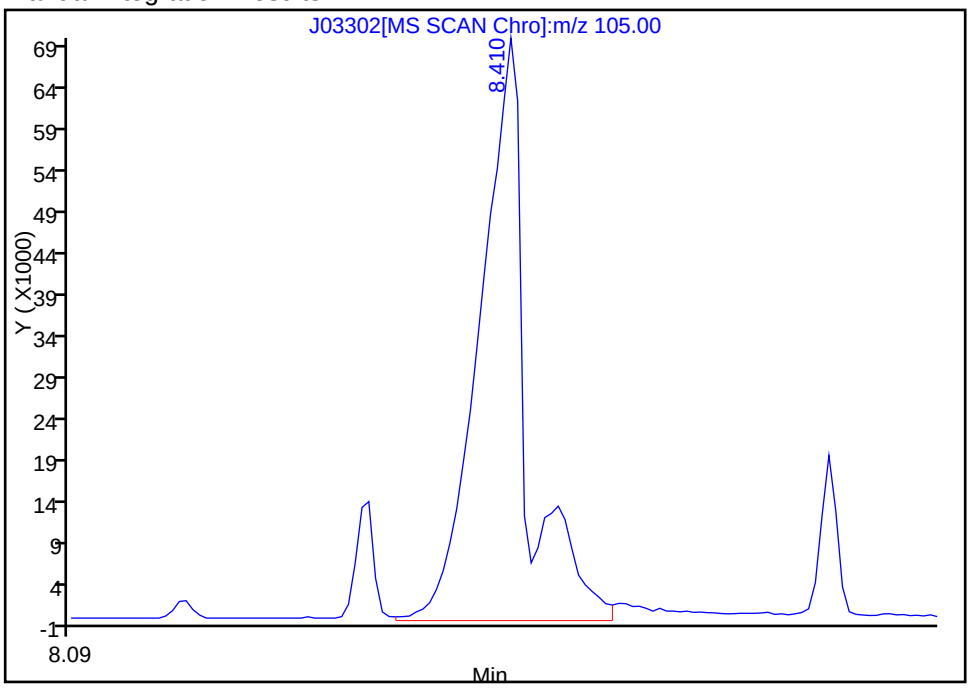
Processing Integration Results

RT: 8.41
Response: 134267
Amount: 19.909851



Manual Integration Results

RT: 8.41
Response: 162591
Amount: 19.943947



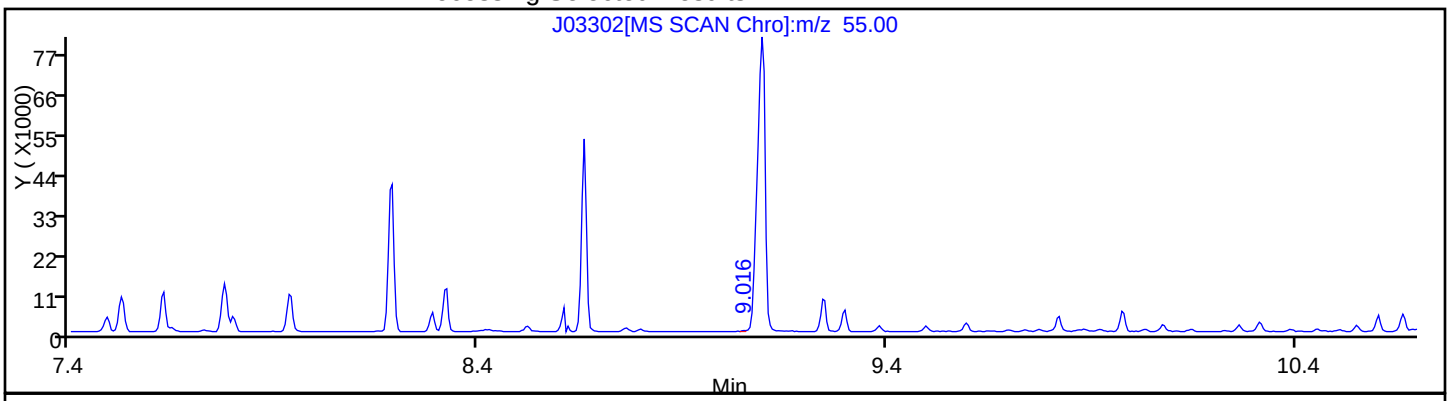
Reviewer: sullivanp, 05-Oct-2009 11:55:18
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

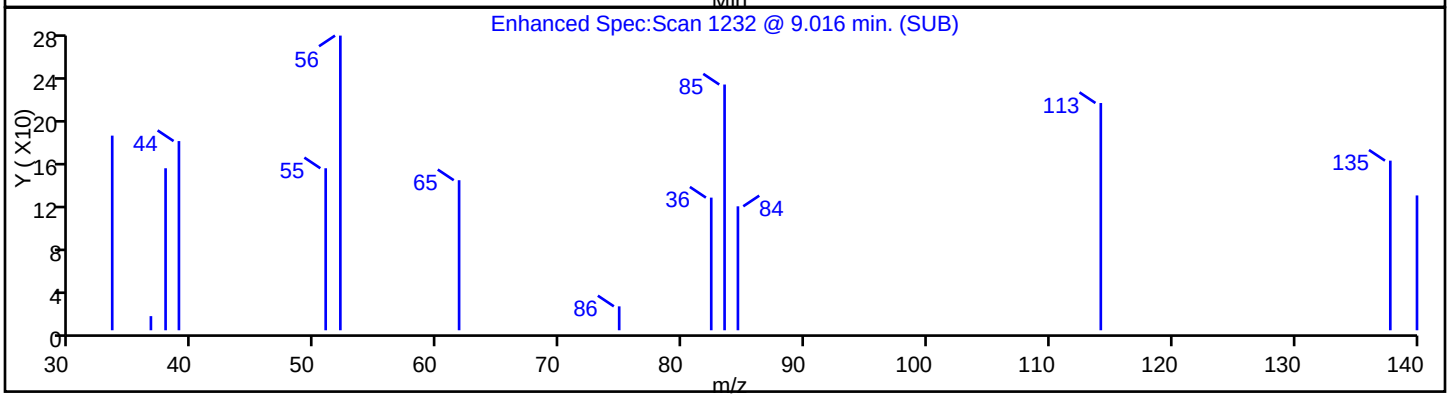
Chrom Revision: 1.1 01-Oct-2009 08:19:20
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03302.D		
Inj Date:	04-Oct-2009 14:57:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49846	Lims Sample ID:	10
Client ID:		Instrument:	Inst. J
Sample Info:	20.0 ppm		
Sample Amount:	1.00 ul	Operator:	

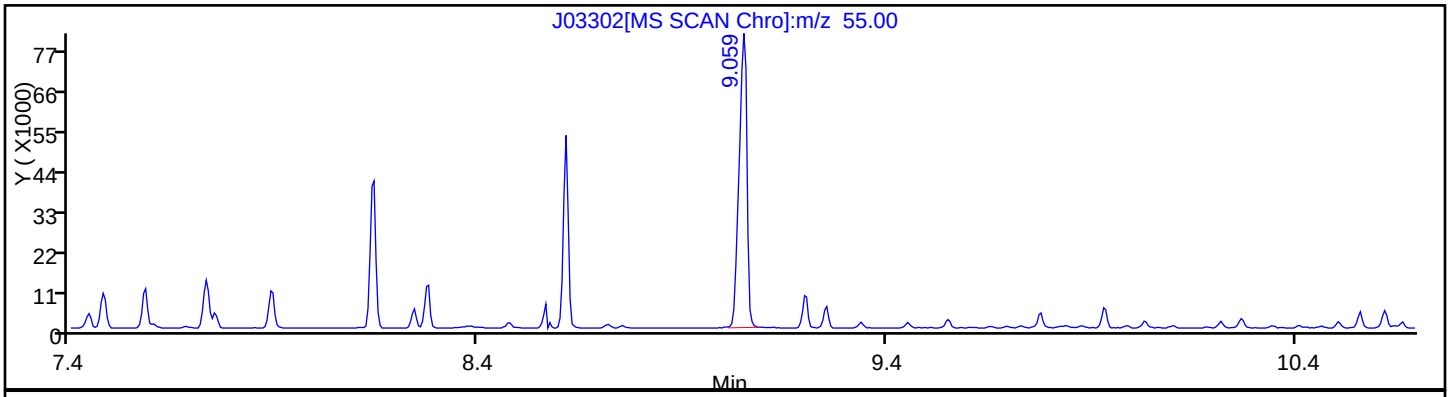
44 Caprolactam

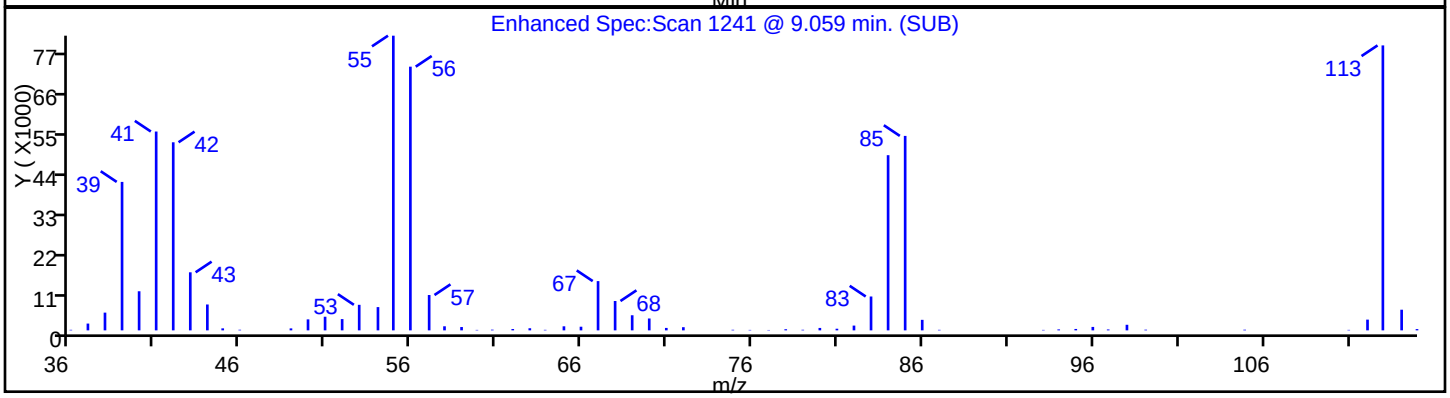
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 05-Oct-2009 11:55:18
Audit Action: Selected Alternate Hit
Audit Reason:

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Lab Sample ID: CCV 360-49187/2 Calibration Date: 09/18/2009 23:56

Instrument ID: Inst. B Calib Start Date: 09/18/2009 16:39

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/18/2009 20:49

Lab File ID: B10415.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Qua		0.1946		6110	5000	22.1	30.0
N-Nitrosodimethylamine	Ave	0.3781	0.3574		4730	5000	-5.5	30.0
Pyridine	Ave	0.4663	0.5057		5420	5000	8.5	30.0
Benzaldehyde	Ave	0.2870	0.2773		4830	5000	-3.4	30.0
Phenol	Ave	0.6771	0.6334		4680	5000	-6.5	20.0
Aniline	Ave	0.6979	0.7251		5200	5000	3.9	30.0
Bis(2-chloroethyl)ether	Ave	0.5733	0.5120		4470	5000	-10.7	30.0
2-Chlorophenol	Ave	0.5910	0.5409		4580	5000	-8.5	30.0
1,4-Dichlorobenzene	Ave	0.7275	0.6392		4390	5000	-12.1	20.0
1,3-Dichlorobenzene	Ave	0.7554	0.6758		4470	5000	-10.5	30.0
Benzyl alcohol	Qua		0.3767		5250	5000	5.1	30.0
1,2-Dichlorobenzene	Ave	0.6967	0.6086		4370	5000	-12.6	30.0
2-Methylphenol	Ave	0.5521	0.5022		4550	5000	-9.0	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.042	0.9262		4440	5000	-11.1	30.0
3 & 4 Methylphenol	Ave	0.5537	0.5011		4530	5000	-9.5	30.0
N-Nitrosodi-n-propylamine	Ave	0.3901	0.3684	0.0500	4720	5000	-5.6	30.0
Acetophenone	Ave	0.8171	0.7292		4460	5000	-10.8	30.0
Hexachloroethane	Ave	0.2538	0.2308		4550	5000	-9.1	30.0
Nitrobenzene	Ave	0.2557	0.2398		4690	5000	-6.2	30.0
Isophorone	Ave	0.4142	0.4096		4940	5000	-1.1	30.0
2,4-Dimethylphenol	Ave	0.1962	0.1896		4830	5000	-3.3	30.0
2-Nitrophenol	Ave	0.1156	0.1216		5260	5000	5.2	20.0
Benzoic acid	Ave	0.0571	0.0700		4560	5000	-8.8	30.0
Bis(2-chloroethoxy)methane	Ave	0.2580	0.2320		4500	5000	-10.1	30.0
2,4-Dichlorophenol	Ave	0.1749	0.1774		5070	5000	1.5	20.0
1,2,4-Trichlorobenzene	Qua		0.2073		4850	5000	-2.9	30.0
Alpha-Terpineol	Ave	0.1955	0.1836		4700	5000	-6.1	30.0
Naphthalene	Qua		0.6906		4980	5000	-0.5	30.0
4-Chloroaniline	Qua		0.3126		4510	5000	-9.8	30.0
Hexachlorobutadiene	Ave	0.1155	0.1075		4650	5000	-6.9	20.0
Caprolactam	Ave	0.0901	0.1017		5640	5000	12.8	30.0
4-Chloro-3-methylphenol	Ave	0.1711	0.1787		5220	5000	4.5	20.0
2-Methylnaphthalene	Ave	0.4802	0.4350		4530	5000	-9.4	30.0
1-Methylnaphthalene	Ave	0.4833	0.4389		4540	5000	-9.2	30.0
Hexachlorocyclopentadiene	Lin1		0.1690	0.0500	4600	5000	-7.9	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.2022	0.1846		4560	5000	-8.7	30.0
2,4,6-Trichlorophenol	Ave	0.2830	0.2872		5070	5000	1.5	20.0
2,4,5-Trichlorophenol	Ave	0.3041	0.2976		4890	5000	-2.1	30.0
1,1'-Biphenyl	Ave	1.380	1.346		4880	5000	-2.4	30.0
2-Chloronaphthalene	Ave	1.248	1.181		4730	5000	-5.4	30.0
Phenyl ether	Ave	0.3296	0.3034		4600	5000	-7.9	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Lab Sample ID: CCV 360-49187/2 Calibration Date: 09/18/2009 23:56

Instrument ID: Inst. B Calib Start Date: 09/18/2009 16:39

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/18/2009 20:49

Lab File ID: B10415.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitroaniline	Lin1		0.3544		4730	5000	-5.3	30.0
Dimethyl phthalate	Ave	1.199	1.174		4900	5000	-2.1	30.0
2,6-Dinitrotoluene	Ave	0.2721	0.2728		5010	5000	0.3	30.0
Acenaphthylene	Ave	1.559	1.609		5160	5000	3.2	30.0
3-Nitroaniline	Ave	0.2613	0.2793		5340	5000	6.9	30.0
2,4-Dinitrophenol	Lin		0.0752	0.0500	3810	5000	-23.8	30.0
4-Nitrophenol	Lin1		0.1482	0.0500	4540	5000	-9.2	30.0
Acenaphthene	Ave	1.122	1.109		4940	5000	-1.2	20.0
2,4-Dinitrotoluene	Lin1		0.3509		4670	5000	-6.6	30.0
Dibenzofuran	Ave	1.461	1.425		4880	5000	-2.5	30.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2253		4670	5000	-6.6	30.0
Diethyl phthalate	Ave	1.220	1.193		4890	5000	-2.2	30.0
4-Chlorophenyl phenyl ether	Ave	0.5471	0.5354		4890	5000	-2.1	30.0
2-Nitroaniline	Lin1		0.3292		4880	5000	-2.4	30.0
Fluorene	Ave	1.238	1.252		5060	5000	1.1	30.0
4,6-Dinitro-2-methylphenol	Lin1		0.0801		4090	5000	-18.2	30.0
Diphenylamine	Ave	0.6160	0.6100		4950	5000	-1.0	30.0
N-Nitrosodiphenylamine	Ave	0.6160	0.6100		4950	5000	-1.0	20.0
1,2-Diphenylhydrazine	Ave	1.122	1.129		5030	5000	0.7	30.0
Azobenzene	Ave	1.122	1.129		5030	5000	0.7	30.0
Benzophenone	Ave	0.6988	0.6897		4930	5000	-1.3	30.0
4-Bromophenyl phenyl ether	Ave	0.1752	0.1676		4780	5000	-4.3	30.0
Atrazine	Ave	0.1808	0.1767		4890	5000	-2.3	30.0
Hexachlorobenzene	Ave	0.1634	0.1580		4840	5000	-3.3	30.0
Pentachlorophenol	Lin		0.0672		4080	5000	-18.5	20.0
Pentachloronitrobenzene	Lin1		0.0748		4690	5000	-6.3	30.0
Phenanthrene	Ave	0.9871	0.9482		4800	5000	-3.9	30.0
Anthracene	Ave	0.9313	0.9325		5010	5000	0.1	30.0
Carbazole	Ave	0.8039	0.7600		4730	5000	-5.5	30.0
Di-n-butyl phthalate	Ave	1.151	1.119		4860	5000	-2.8	30.0
Fluoranthene	Ave	0.8910	0.8881		4980	5000	-0.3	20.0
Benzidine	Lin1		0.7154		5460	5000	9.3	30.0
Pyrene	Ave	1.207	1.121		4640	5000	-7.2	30.0
Butyl benzyl phthalate	Ave	0.5254	0.5317		5060	5000	1.2	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.7082	0.7080		5000	5000	0.0	30.0
3,3'-Dichlorobenzidine	Lin1		0.6075		4630	5000	-7.5	30.0
Benzo[a]anthracene	Ave	0.8341	0.7981		4780	5000	-4.3	30.0
Chrysene	Ave	0.8066	0.7462		4630	5000	-7.5	30.0
Di-n-octyl phthalate	Qua		1.639		4960	5000	-0.9	20.0
Benzo[b]fluoranthene	Ave	1.118	1.076		4810	5000	-3.8	30.0
Benzo[k]fluoranthene	Ave	1.030	1.028		4990	5000	-0.2	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Lab Sample ID: CCV 360-49187/2 Calibration Date: 09/18/2009 23:56

Instrument ID: Inst. B Calib Start Date: 09/18/2009 16:39

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/18/2009 20:49

Lab File ID: B10415.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]pyrene	Lin1		0.8247		4700	5000	-5.9	20.0
Indeno[1,2,3-cd]pyrene	Qua		0.5565		4480	5000	-10.4	30.0
Dibenz(a,h)anthracene	Lin1		0.4477		5040	5000	0.9	30.0
Benzo[g,h,i]perylene	Ave	0.4494	0.4559		5070	5000	1.4	30.0
2-Fluorophenol	Ave	0.5478	0.5041		4600	5000	-8.0	30.0
Phenol-d5	Ave	0.6575	0.6199		4710	5000	-5.7	30.0
Nitrobenzene-d5	Ave	0.2621	0.2443		4660	5000	-6.8	30.0
2-Fluorobiphenyl	Ave	1.253	1.219		4870	5000	-2.7	30.0
2,4,6-Tribromophenol	Lin1		0.0578		4430	5000	-11.5	30.0
Terphenyl-d14	Ave	0.7250	0.6635		4580	5000	-8.5	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-2.b\B10415.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	18-Sep-2009 23:56:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	ccv		
Misc. Info.:	360-0001226-002		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	49187	Lims Sample ID:	2
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090918-2.b\8270B.m		
Last Update:	21-Sep-2009 13:15:20	Calib Date:	18-Sep-2009 20:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10409.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	21-Sep-2009 13:15:20

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.113	8.113	0.000	678698	2.00	
* 2 Naphthalene-d8	136	9.238	9.238	0.000	1642572	2.00	
* 3 Acenaphthene-d10	164	10.748	10.748	0.000	670631	2.00	
* 4 Phenanthrene-d10	188	12.017	12.017	0.000	1135519	2.00	
* 5 Chrysene-d12	240	15.735	15.735	0.000	953955	2.00	
* 6 Perylene-d12	264	18.307	18.307	0.000	554284	2.00	
$ 7 2-Fluorophenol	112	6.862	6.862	0.000	855401	4.60	
$ 8 Phenol-d5	99	7.728	7.728	0.000	1051787	4.71	
$ 9 Nitrobenzene-d5	82	8.603	8.603	0.000	1003379	4.66	
$ 10 2-Fluorobiphenyl	172	10.132	10.132	0.000	2044257	4.87	
$ 11 2,4,6-Tribromophenol	330	11.416	11.416	0.000	164181	4.43	
$ 12 Terphenyl-d14	244	13.749	13.749	0.000	1582292	4.58	
14 1,4-Dioxane	88	4.746	4.746	0.000	330177	6.11	
15 N-Nitrosodimethylamine	42	5.247	5.247	0.000	606364	4.73	
16 Pyridine	79	5.290	5.290	0.000	858059	5.42	
17 Benzaldehyde	105	7.718	7.718	0.000	470569	4.83	
18 Phenol	94	7.742	7.742	0.000	1074771	4.68	
19 Aniline	93	7.810	7.810	0.000	1230311	5.20	
20 Bis(2-chloroethyl)ether	93	7.843	7.843	0.000	868774	4.47	
21 2-Chlorophenol	128	7.925	7.925	0.000	917796	4.58	
22 1,4-Dichlorobenzene	146	8.065	8.065	0.000	1084622	4.39	
23 1,3-Dichlorobenzene	146	8.127	8.127	0.000	1146673	4.47	
24 Benzyl alcohol	79	8.214	8.214	0.000	639126	5.25	
25 1,2-Dichlorobenzene	146	8.271	8.271	0.000	1032609	4.37	
26 2-Methylphenol	108	8.291	8.291	0.000	852069	4.55	
27 2,2'-oxybis[1-chloropropane]	45	8.319	8.319	0.000	1571560	4.44	
28 3 & 4 Methylphenol	108	8.420	8.420	0.000	850311	4.53	
29 N-Nitrosodi-n-propylamine	70	8.435	8.435	0.000	625050	4.72	
30 Acetophenone	105	8.454	8.454	0.000	1237279	4.46	
31 Hexachloroethane	117	8.579	8.579	0.000	391629	4.55	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.618	8.618	0.000	984584	4.69	
33 Isophorone	82	8.810	8.810	0.000	1682101	4.94	
35 2,4-Dimethylphenol	107	8.882	8.882	0.000	778623	4.83	
34 2-Nitrophenol	139	8.896	8.896	0.000	499381	5.26	
36 Benzoic acid	105	8.930	8.930	0.000	287532	4.56	M
37 Bis(2-chloroethoxy)methane	93	8.964	8.964	0.000	952566	4.50	
38 2,4-Dichlorophenol	162	9.098	9.098	0.000	728571	5.07	
39 1,2,4-Trichlorobenzene	180	9.180	9.180	0.000	851362	4.85	
40 Alpha-Terpineol	59	9.223	9.223	0.000	753934	4.70	
41 Naphthalene	128	9.262	9.262	0.000	2835783	4.98	
42 4-Chloroaniline	127	9.276	9.276	0.000	1283451	4.51	
43 Hexachlorobutadiene	225	9.339	9.339	0.000	441555	4.65	
44 Caprolactam	55	9.574	9.574	0.000	417656	5.64	
45 4-Chloro-3-methylphenol	107	9.656	9.656	0.000	733878	5.22	
46 2-Methylnaphthalene	142	9.844	9.844	0.000	1786329	4.53	
47 1-Methylnaphthalene	142	9.935	9.935	0.000	1802178	4.54	
48 Hexachlorocyclopentadiene	237	9.969	9.969	0.000	283318	4.60	
49 1,2,4,5-Tetrachlorobenzene	216	9.988	9.988	0.000	757933	4.56	
50 2,4,6-Trichlorophenol	196	10.070	10.070	0.000	481466	5.07	
51 2,4,5-Trichlorophenol	196	10.103	10.103	0.000	499003	4.89	
52 1,1'-Biphenyl	154	10.228	10.228	0.000	2256685	4.88	
53 2-Chloronaphthalene	162	10.272	10.272	0.000	1980734	4.73	
54 Phenyl ether	170	10.305	10.305	0.000	1245994	4.60	
68 4-Nitroaniline	138	10.334	10.334	0.000	594156	4.73	
56 Dimethyl phthalate	163	10.445	10.445	0.000	1968230	4.90	
57 2,6-Dinitrotoluene	165	10.517	10.517	0.000	457401	5.01	
58 Acenaphthylene	152	10.632	10.632	0.000	2697747	5.16	
59 3-Nitroaniline	138	10.676	10.676	0.000	468229	5.34	
60 2,4-Dinitrophenol	184	10.757	10.757	0.000	126053	3.81	
62 4-Nitrophenol	109	10.772	10.772	0.000	248425	4.54	
61 Acenaphthene	153	10.777	10.777	0.000	1858750	4.94	
63 2,4-Dinitrotoluene	165	10.863	10.863	0.000	588323	4.67	
64 Dibenzofuran	168	10.916	10.916	0.000	2388455	4.88	
65 2,3,4,6-Tetrachlorophenol	232	11.008	11.008	0.000	377695	4.67	
66 Diethyl phthalate	149	11.027	11.027	0.000	2000040	4.89	
67 4-Chlorophenyl phenyl ether	204	11.171	11.171	0.000	897609	4.89	
55 2-Nitroaniline	65	11.200	11.200	0.000	551997	4.88	
70 4,6-Dinitro-2-methylphenol	198	11.214	11.214	0.000	227324	4.09	
69 Fluorene	166	11.209	11.209	0.000	2098803	5.06	
71 Diphenylamine	169	11.267	11.267	0.000	1731597	4.95	
72 N-Nitrosodiphenylamine	169	11.267	11.267	0.000	1731597	4.95	
73 1,2-Diphenylhydrazine	77	11.310	11.310	0.000	3205447	5.03	
74 Azobenzene	77	11.310	11.310	0.000	3205447	5.03	
13 Benzophenone	105	11.320	11.320	0.000	1957812	4.93	
75 4-Bromophenyl phenyl ether	248	11.594	11.594	0.000	475807	4.78	
77 Atrazine	200	11.676	11.676	0.000	501661	4.89	
76 Hexachlorobenzene	284	11.686	11.686	0.000	448540	4.84	
78 Pentachlorophenol	266	11.835	11.835	0.000	190768	4.08	
79 Pentachloronitrobenzene	237	11.849	11.849	0.000	212360	4.69	
80 Phenanthrene	178	12.041	12.041	0.000	2691772	4.80	
81 Anthracene	178	12.089	12.089	0.000	2647167	5.01	
83 Carbazole	167	12.205	12.205	0.000	2157556	4.73	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	12.431	12.431	0.000	3176267	4.86	
87 Fluoranthene	202	13.297	13.297	0.000	2520987	4.98	
86 Benzidine	184	13.402	13.402	0.000	2030941	5.46	
85 Pyrene	202	13.628	13.628	0.000	2672990	4.64	
89 Butyl benzyl phthalate	149	14.523	14.523	0.000	1268105	5.06	
92 Bis(2-ethylhexyl) phthalate	149	15.605	15.605	0.000	1688385	5.00	
91 3,3'-Dichlorobenzidine	252	15.629	15.629	0.000	1448736	4.63	
93 Benzo[a]anthracene	228	15.715	15.715	0.000	1903322	4.78	
94 Chrysene	228	15.778	15.778	0.000	1779529	4.63	
95 Di-n-octyl phthalate	149	16.648	16.648	0.000	2271799	4.96	
97 Benzo[b]fluoranthene	252	17.528	17.528	0.000	1491600	4.81	
98 Benzo[k]fluoranthene	252	17.576	17.576	0.000	1424716	4.99	
99 Benzo[a]pyrene	252	18.192	18.192	0.000	1142734	4.70	
100 Indeno[1,2,3-cd]pyrene	276	20.952	20.952	0.000	771099	4.48	
101 Dibenz(a,h)anthracene	278	20.971	20.971	0.000	620413	5.04	
102 Benzo[g,h,i]perylene	276	21.755	21.755	0.000	631769	5.07	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 21-Sep-2009 13:15:22 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090918-2.b\B10415.D

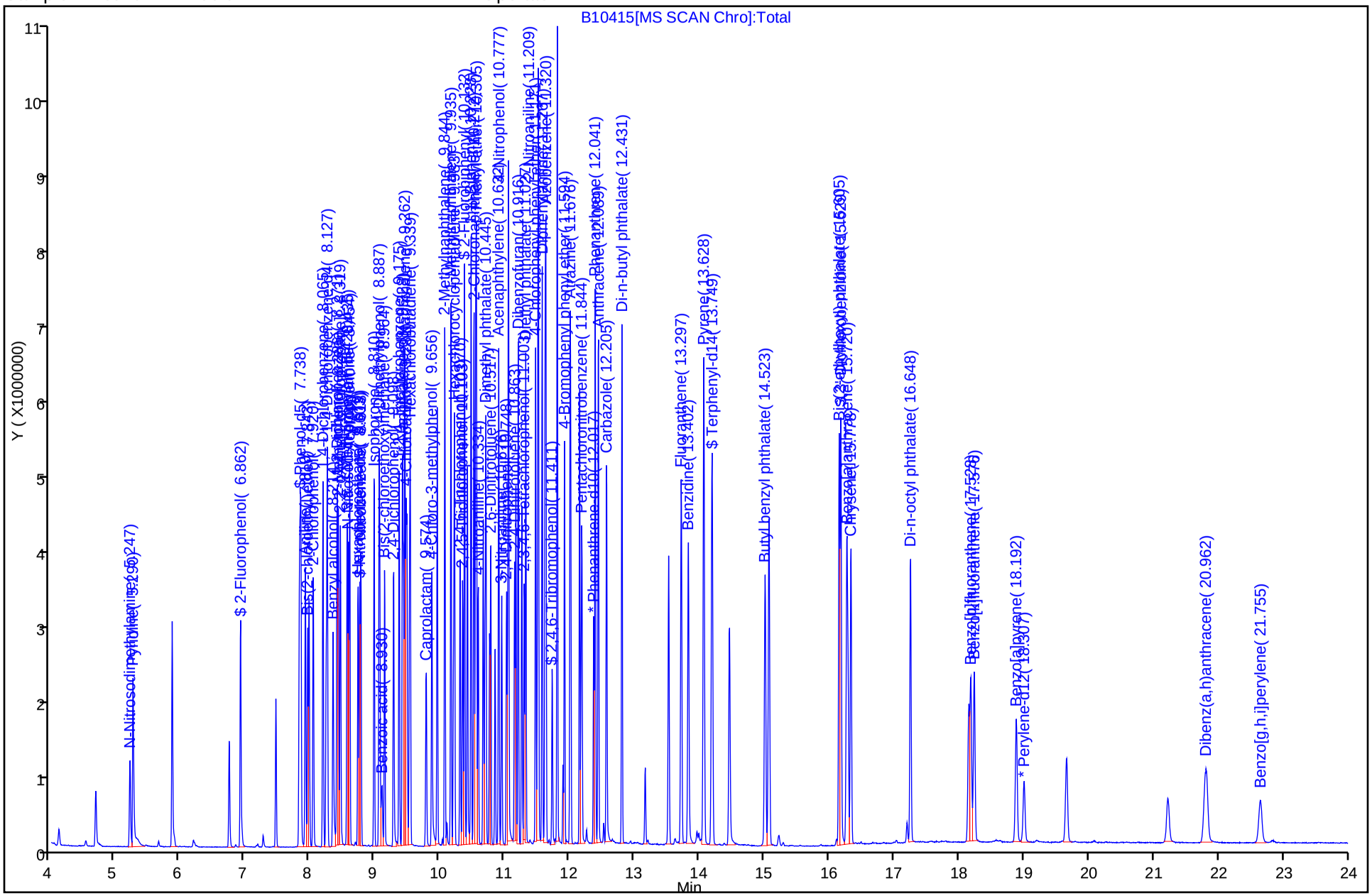
Inj Date: 18-Sep-2009 23:56:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49187 Lims Sample ID: 2

Client ID: Instrument: Inst. B

Sample Info: ccv

Sample Amount: 1.00 uL Operator: MZ



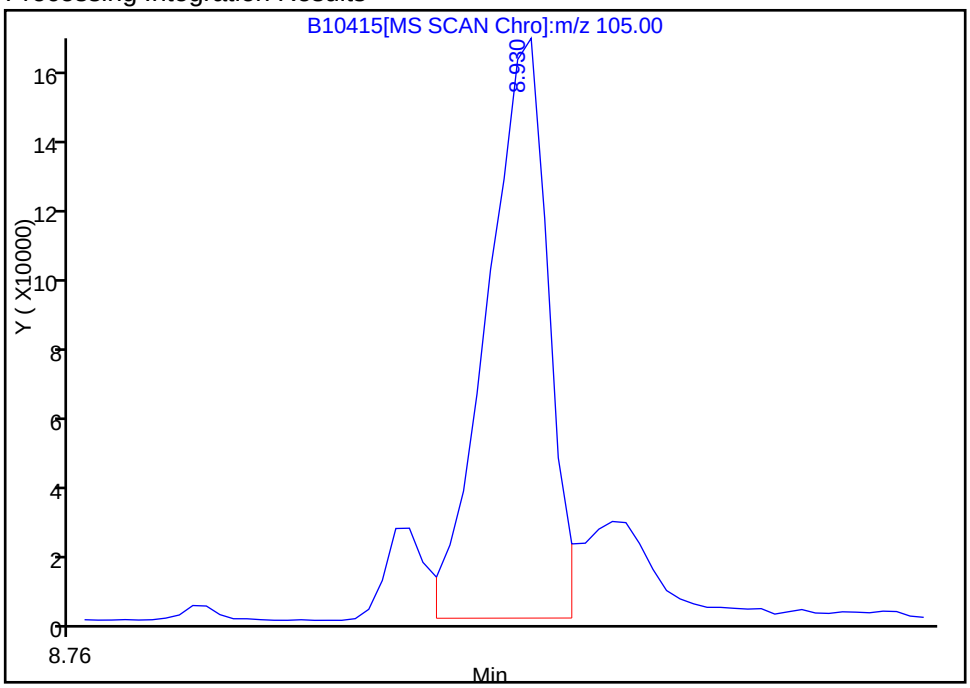
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-2.b\B10415.D		
Inj Date:	18-Sep-2009 23:56:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49187	Lims Sample ID:	2
Client ID:		Instrument:	Inst. B
Sample Info:	ccv		
Sample Amount:	1.00 uL	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 8.93

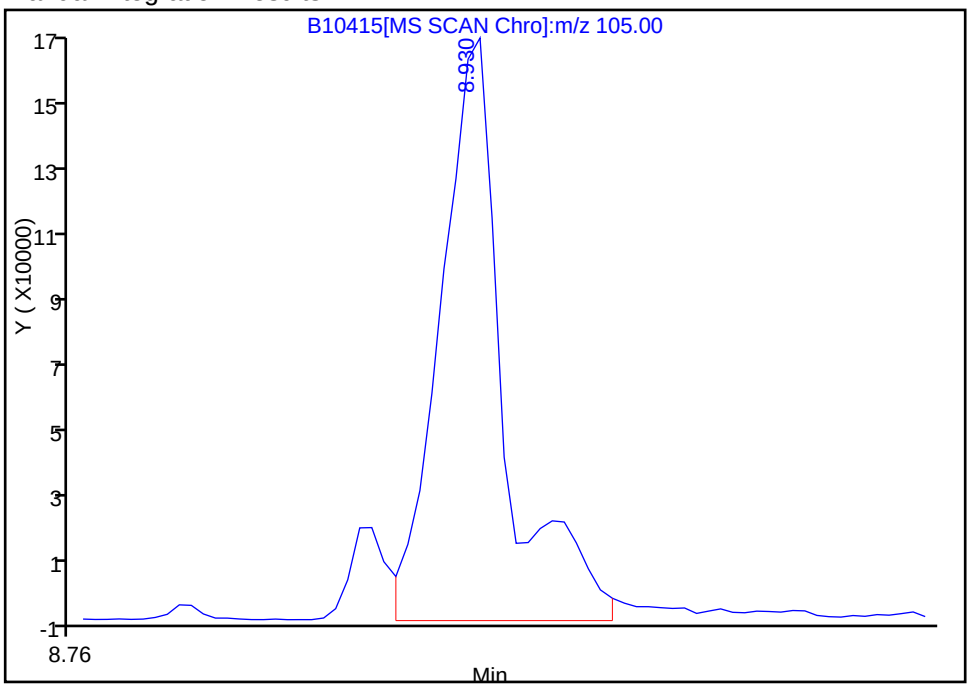
Processing Integration Results

RT: 8.93
Response: 240888
Amount: 3.971509



Manual Integration Results

RT: 8.93
Response: 287532
Amount: 4.561704



Reviewer: sullivanp, 21-Sep-2009 13:15:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Lab Sample ID: CCV 360-49266/16 Calibration Date: 09/21/2009 22:38

Instrument ID: Inst. B Calib Start Date: 09/21/2009 15:24

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/21/2009 19:31

Lab File ID: B10453.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Qua		0.1792		5900	5000	18.1	30.0
N-Nitrosodimethylamine	Ave	0.3899	0.3618		4640	5000	-7.2	30.0
Pyridine	Ave	0.4470	0.4669		5220	5000	4.4	30.0
Benzaldehyde	Ave	0.3700	0.3569		4820	5000	-3.5	30.0
Phenol	Ave	0.6844	0.6550		4790	5000	-4.3	20.0
Aniline	Ave	0.8272	0.7992		4830	5000	-3.4	30.0
Bis(2-chloroethyl)ether	Ave	0.5696	0.5216		4580	5000	-8.4	30.0
2-Chlorophenol	Ave	0.5876	0.5623		4780	5000	-4.3	30.0
1,4-Dichlorobenzene	Ave	0.7423	0.6767		4560	5000	-8.8	20.0
1,3-Dichlorobenzene	Ave	0.7770	0.7056		4540	5000	-9.2	30.0
Benzyl alcohol	Ave	0.4159	0.4235		5090	5000	1.8	30.0
1,2-Dichlorobenzene	Lin1		0.6477		5330	5000	6.7	30.0
2-Methylphenol	Ave	0.5233	0.5148		4920	5000	-1.6	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.038	0.9276		4470	5000	-10.7	30.0
3 & 4 Methylphenol	Ave	0.5479	0.5270		4810	5000	-3.8	30.0
N-Nitrosodi-n-propylamine	Ave	0.3882	0.3993	0.0500	5140	5000	2.9	30.0
Acetophenone	Ave	0.7737	0.7399		4780	5000	-4.4	30.0
Hexachloroethane	Ave	0.2599	0.2501		4810	5000	-3.8	30.0
Nitrobenzene	Ave	0.2532	0.2416		4770	5000	-4.6	30.0
Isophorone	Ave	0.4071	0.4127		5070	5000	1.4	30.0
2,4-Dimethylphenol	Ave	0.2349	0.2330		4960	5000	-0.8	30.0
2-Nitrophenol	Ave	0.1189	0.1323		5560	5000	11.3	20.0
Benzoic acid	Lin1		0.0592		4650	5000	-7.0	30.0
Bis(2-chloroethoxy)methane	Ave	0.2557	0.2353		4600	5000	-8.0	30.0
2,4-Dichlorophenol	Ave	0.1897	0.1847		4870	5000	-2.6	20.0
1,2,4-Trichlorobenzene	Qua		0.2118		5090	5000	1.8	30.0
Alpha-Terpineol	Ave	0.2088	0.2079		4980	5000	-0.4	30.0
Naphthalene	Lin		0.7089		5580	5000	11.6	30.0
4-Chloroaniline	Ave	0.3123	0.2966		4750	5000	-5.0	30.0
Hexachlorobutadiene	Ave	0.1190	0.1086		4560	5000	-8.7	20.0
Caprolactam	Ave	0.0840	0.0978		5820	5000	16.4	30.0
4-Chloro-3-methylphenol	Ave	0.1771	0.1863		5260	5000	5.2	20.0
2-Methylnaphthalene	Ave	0.5075	0.4669		4600	5000	-8.0	30.0
1-Methylnaphthalene	Ave	0.4957	0.4551		4590	5000	-8.2	30.0
Hexachlorocyclopentadiene	Lin1		0.2327	0.0500	4860	5000	-2.7	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.2010	0.1832		4560	5000	-8.9	30.0
2,4,6-Trichlorophenol	Lin1		0.3166		4690	5000	-6.3	20.0
2,4,5-Trichlorophenol	Lin1		0.3444		4860	5000	-2.8	30.0
1,1'-Biphenyl	Ave	1.403	1.417		5050	5000	1.0	30.0
2-Chloronaphthalene	Ave	1.306	1.292		4940	5000	-1.1	30.0
Phenyl ether	Ave	0.3231	0.2964		4590	5000	-8.3	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Lab Sample ID: CCV 360-49266/16 Calibration Date: 09/21/2009 22:38

Instrument ID: Inst. B Calib Start Date: 09/21/2009 15:24

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/21/2009 19:31

Lab File ID: B10453.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitroaniline	Lin1		0.3855		4940	5000	-1.2	30.0
Dimethyl phthalate	Ave	1.239	1.267		5110	5000	2.3	30.0
2,6-Dinitrotoluene	Ave	0.2754	0.2918		5300	5000	6.0	30.0
Acenaphthylene	Ave	1.670	1.797		5380	5000	7.6	30.0
3-Nitroaniline	Lin1		0.2962		4910	5000	-1.9	30.0
2,4-Dinitrophenol	Qua		0.0952	0.0500	5410	5000	8.2	30.0
4-Nitrophenol	Lin1		0.1739	0.0500	4920	5000	-1.6	30.0
Acenaphthene	Ave	1.174	1.229		5230	5000	4.7	20.0
2,4-Dinitrotoluene	Lin1		0.3775		4770	5000	-4.7	30.0
Dibenzofuran	Ave	1.528	1.572		5150	5000	2.9	30.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2510		4830	5000	-3.4	30.0
Diethyl phthalate	Ave	1.263	1.320		5220	5000	4.5	30.0
4-Chlorophenyl phenyl ether	Ave	0.5664	0.5786		5110	5000	2.2	30.0
2-Nitroaniline	Lin1		0.3462		4910	5000	-1.9	30.0
Fluorene	Ave	1.285	1.372		5340	5000	6.8	30.0
4,6-Dinitro-2-methylphenol	Lin		0.0990		4970	5000	-0.7	30.0
Diphenylamine	Ave	0.6519	0.6794		5210	5000	4.2	30.0
N-Nitrosodiphenylamine	Ave	0.6519	0.6794		5210	5000	4.2	20.0
1,2-Diphenylhydrazine	Ave	1.190	1.279		5370	5000	7.5	30.0
Azobenzene	Ave	1.190	1.279		5370	5000	7.5	30.0
Benzophenone	Ave	0.7148	0.7700		5390	5000	7.7	30.0
4-Bromophenyl phenyl ether	Ave	0.1833	0.1843		5030	5000	0.5	30.0
Atrazine	Lin1		0.2170		4990	5000	-0.1	30.0
Hexachlorobenzene	Ave	0.1770	0.1767		4990	5000	-0.2	30.0
Pentachlorophenol	Lin		0.0875		4830	5000	-3.5	20.0
Pentachloronitrobenzene	Lin1		0.0817		4700	5000	-6.0	30.0
Phenanthrene	Ave	1.036	1.050		5070	5000	1.4	30.0
Anthracene	Ave	0.9691	1.042		5380	5000	7.5	30.0
Carbazole	Ave	0.8190	0.8898		5430	5000	8.6	30.0
Di-n-butyl phthalate	Ave	1.221	1.233		5050	5000	1.0	30.0
Fluoranthene	Ave	0.8954	0.9516		5310	5000	6.3	20.0
Benzidine	Qua		0.2435		6500	5000	29.9	30.0
Pyrene	Ave	1.624	1.507		4640	5000	-7.2	30.0
Butyl benzyl phthalate	Ave	0.6741	0.7119		5280	5000	5.6	30.0
Bis(2-ethylhexyl) phthalate	Lin1		0.9378		4850	5000	-2.9	30.0
3,3'-Dichlorobenzidine	Lin1		0.3046		5070	5000	1.4	30.0
Benzo[a]anthracene	Ave	0.8840	0.9251		5230	5000	4.6	30.0
Chrysene	Ave	0.8662	0.8624		4980	5000	-0.4	30.0
Di-n-octyl phthalate	Lin1		2.149		4460	5000	-10.9	20.0
Benzo[b]fluoranthene	Ave	1.232	1.205		4890	5000	-2.2	30.0
Benzo[k]fluoranthene	Ave	1.130	1.111		4920	5000	-1.7	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Lab Sample ID: CCV 360-49266/16 Calibration Date: 09/21/2009 22:38

Instrument ID: Inst. B Calib Start Date: 09/21/2009 15:24

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/21/2009 19:31

Lab File ID: B10453.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]pyrene	Ave	0.8404	0.9114		5420	5000	8.4	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.6740	0.7204		5340	5000	6.9	30.0
Dibenz(a,h)anthracene	Ave	0.5548	0.6081		5480	5000	9.6	30.0
Benzo[g,h,i]perylene	Lin1		0.5936		5090	5000	1.7	30.0
2-Fluorophenol	Ave	0.5631	0.5296		4700	5000	-5.9	30.0
Phenol-d5	Ave	0.6480	0.6468		4990	5000	-0.2	30.0
Nitrobenzene-d5	Ave	0.2563	0.2473		4820	5000	-3.5	30.0
2-Fluorobiphenyl	Ave	1.321	1.325		5010	5000	0.2	30.0
2,4,6-Tribromophenol	Lin1		0.0679		4680	5000	-6.5	30.0
Terphenyl-d14	Ave	0.9523	0.8993		4720	5000	-5.6	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10453.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	21-Sep-2009 22:38:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	ccv		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	49266	Lims Sample ID:	16
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 11:04:42	Calib Date:	21-Sep-2009 19:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 11:04:42

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.903	7.900	0.003	638341	2.00	
* 2 Naphthalene-d8	136	9.034	9.030	0.004	1600370	2.00	
* 3 Acenaphthene-d10	164	10.534	10.535	-0.001	616436	2.00	
* 4 Phenanthrene-d10	188	11.803	11.800	0.003	1029860	2.00	
* 5 Chrysene-d12	240	15.400	15.397	0.003	673112	2.00	
* 6 Perylene-d12	264	17.838	17.840	-0.002	402663	2.00	
$ 7 2-Fluorophenol	112	6.634	6.630	0.004	845230	4.70	
$ 8 Phenol-d5	99	7.524	7.520	0.004	1032136	4.99	
$ 9 Nitrobenzene-d5	82	8.394	8.390	0.004	989335	4.82	
$ 10 2-Fluorobiphenyl	172	9.928	9.924	0.004	2041194	5.01	
$ 11 2,4,6-Tribromophenol	330	11.202	11.204	-0.002	174690	4.68	
$ 12 Terphenyl-d14	244	13.424	13.425	-0.001	1513263	4.72	
14 1,4-Dioxane	88	4.355	4.351	0.004	286046	5.90	
15 N-Nitrosodimethylamine	42	4.932	4.928	0.004	577330	4.64	
16 Pyridine	79	4.965	4.967	-0.002	745022	5.22	
17 Benzaldehyde	105	7.504	7.506	-0.002	569560	4.82	
18 Phenol	94	7.538	7.534	0.004	1045276	4.79	
19 Aniline	93	7.596	7.597	-0.001	1275404	4.83	
20 Bis(2-chloroethyl)ether	93	7.634	7.635	-0.001	832418	4.58	
21 2-Chlorophenol	128	7.711	7.708	0.003	897298	4.78	
22 1,4-Dichlorobenzene	146	7.855	7.852	0.003	1079875	4.56	
23 1,3-Dichlorobenzene	146	7.918	7.919	-0.001	1126066	4.54	
24 Benzyl alcohol	79	8.004	8.001	0.003	675775	5.09	
25 1,2-Dichlorobenzene	146	8.062	8.059	0.003	1033622	5.33	
26 2-Methylphenol	108	8.086	8.083	0.003	821481	4.92	
27 2,2'-oxybis[1-chloropropane]	45	8.115	8.116	-0.001	1480324	4.47	
28 3 & 4 Methylphenol	108	8.216	8.212	0.004	841054	4.81	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	8.235	8.232	0.003	637198	5.14	
30 Acetophenone	105	8.250	8.246	0.004	1180753	4.78	
31 Hexachloroethane	117	8.365	8.366	-0.001	399180	4.81	
32 Nitrobenzene	77	8.413	8.410	0.003	966423	4.77	
33 Isophorone	82	8.606	8.607	-0.001	1651266	5.07	
35 2,4-Dimethylphenol	107	8.682	8.679	0.003	932210	4.96	
34 2-Nitrophenol	139	8.687	8.689	-0.002	529498	5.56	
36 Benzoic acid	105	8.731	8.713	0.018	236962	4.65	
37 Bis(2-chloroethoxy)methane	93	8.764	8.765	-0.001	941304	4.60	
38 2,4-Dichlorophenol	162	8.889	8.891	-0.002	738962	4.87	
39 1,2,4-Trichlorobenzene	180	8.971	8.972	-0.001	847244	5.09	
40 Alpha-Terpineol	59	9.019	9.020	-0.001	831636	4.98	
41 Naphthalene	128	9.053	9.049	0.004	2836364	5.58	
42 4-Chloroaniline	127	9.072	9.068	0.004	1186802	4.75	
43 Hexachlorobutadiene	225	9.135	9.136	-0.002	434580	4.56	
44 Caprolactam	55	9.365	9.352	0.013	391306	5.82	
45 4-Chloro-3-methylphenol	107	9.452	9.448	0.004	745476	5.26	
46 2-Methylnaphthalene	142	9.635	9.636	-0.001	1868201	4.60	
47 1-Methylnaphthalene	142	9.726	9.727	-0.001	1820688	4.59	
48 Hexachlorocyclopentadiene	237	9.764	9.766	-0.002	358559	4.86	
49 1,2,4,5-Tetrachlorobenzene	216	9.779	9.780	-0.001	732841	4.56	
50 2,4,6-Trichlorophenol	196	9.861	9.862	-0.001	487962	4.69	
51 2,4,5-Trichlorophenol	196	9.899	9.896	0.003	530741	4.86	
52 1,1'-Biphenyl	154	10.024	10.021	0.003	2184253	5.05	
53 2-Chloronaphthalene	162	10.063	10.059	0.004	1990628	4.94	
54 Phenyl ether	170	10.101	10.102	-0.001	1185756	4.59	
68 4-Nitroaniline	138	10.125	10.122	0.003	594056	4.94	
56 Dimethyl phthalate	163	10.241	10.237	0.004	1952775	5.11	
57 2,6-Dinitrotoluene	165	10.313	10.309	0.004	449734	5.30	
58 Acenaphthylene	152	10.423	10.420	0.003	2769110	5.38	
59 3-Nitroaniline	138	10.467	10.463	0.004	456475	4.91	
60 2,4-Dinitrophenol	184	10.553	10.550	0.003	146771	5.41	
61 Acenaphthene	153	10.563	10.564	-0.001	1894451	5.23	
62 4-Nitrophenol	109	10.563	10.559	0.004	267963	4.92	
63 2,4-Dinitrotoluene	165	10.659	10.655	0.004	581705	4.77	
64 Dibenzofuran	168	10.707	10.703	0.004	2423269	5.15	
65 2,3,4,6-Tetrachlorophenol	232	10.794	10.795	-0.001	386802	4.83	
66 Diethyl phthalate	149	10.827	10.824	0.003	2033953	5.22	
67 4-Chlorophenyl phenyl ether	204	10.967	10.963	0.004	891718	5.11	
55 2-Nitroaniline	65	10.986	10.982	0.004	533467	4.91	
69 Fluorene	166	11.000	10.997	0.003	2114679	5.34	
70 4,6-Dinitro-2-methylphenol	198	11.005	11.002	0.003	254863	4.97	
71 Diphenylamine	169	11.058	11.059	-0.001	1749116	5.21	
72 N-Nitrosodiphenylamine	169	11.058	11.059	-0.001	1749116	5.21	
74 Azobenzene	77	11.101	11.103	-0.002	3292418	5.37	
73 1,2-Diphenylhydrazine	77	11.101	11.103	-0.002	3292418	5.37	
13 Benzophenone	105	11.111	11.112	-0.001	1982345	5.39	
75 4-Bromophenyl phenyl ether	248	11.385	11.386	-0.001	474457	5.03	
77 Atrazine	200	11.472	11.468	0.004	558736	4.99	
76 Hexachlorobenzene	284	11.472	11.473	-0.001	454876	4.99	
78 Pentachlorophenol	266	11.625	11.629	-0.004	225309	4.83	
79 Pentachloronitrobenzene	237	11.635	11.636	-0.001	210331	4.70	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.823	11.824	-0.001	2702555	5.07	
81 Anthracene	178	11.866	11.867	-0.001	2682422	5.38	
83 Carbazole	167	11.981	11.983	-0.002	2291008	5.43	
84 Di-n-butyl phthalate	149	12.207	12.204	0.003	3173960	5.05	
87 Fluoranthene	202	13.001	13.002	-0.001	2450078	5.31	
86 Benzidine	184	13.102	13.115	-0.013	626950	6.50	
85 Pyrene	202	13.304	13.305	-0.001	2535767	4.64	
89 Butyl benzyl phthalate	149	14.140	14.142	-0.002	1198008	5.28	
92 Bis(2-ethylhexyl) phthalate	149	15.285	15.281	0.004	1578088	4.85	
91 3,3'-Dichlorobenzidine	252	15.290	15.286	0.004	512580	5.07	
93 Benzo[a]anthracene	228	15.381	15.378	0.003	1556723	5.23	
94 Chrysene	228	15.448	15.445	0.003	1451204	4.98	
95 Di-n-octyl phthalate	149	16.333	16.335	-0.002	2163369	4.46	
97 Benzo[b]fluoranthene	252	17.122	17.123	-0.001	1213382	4.89	
98 Benzo[k]fluoranthene	252	17.170	17.166	0.004	1118646	4.92	
99 Benzo[a]pyrene	252	17.733	17.734	-0.001	917424	5.42	
100 Indeno[1,2,3-cd]pyrene	276	20.272	20.268	0.004	725165	5.34	
101 Dibenz(a,h)anthracene	278	20.296	20.302	-0.006	612189	5.48	
102 Benzo[g,h,i]perylene	276	21.003	20.999	0.004	597534	5.09	

Report Date: 22-Sep-2009 11:04:43 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10453.D

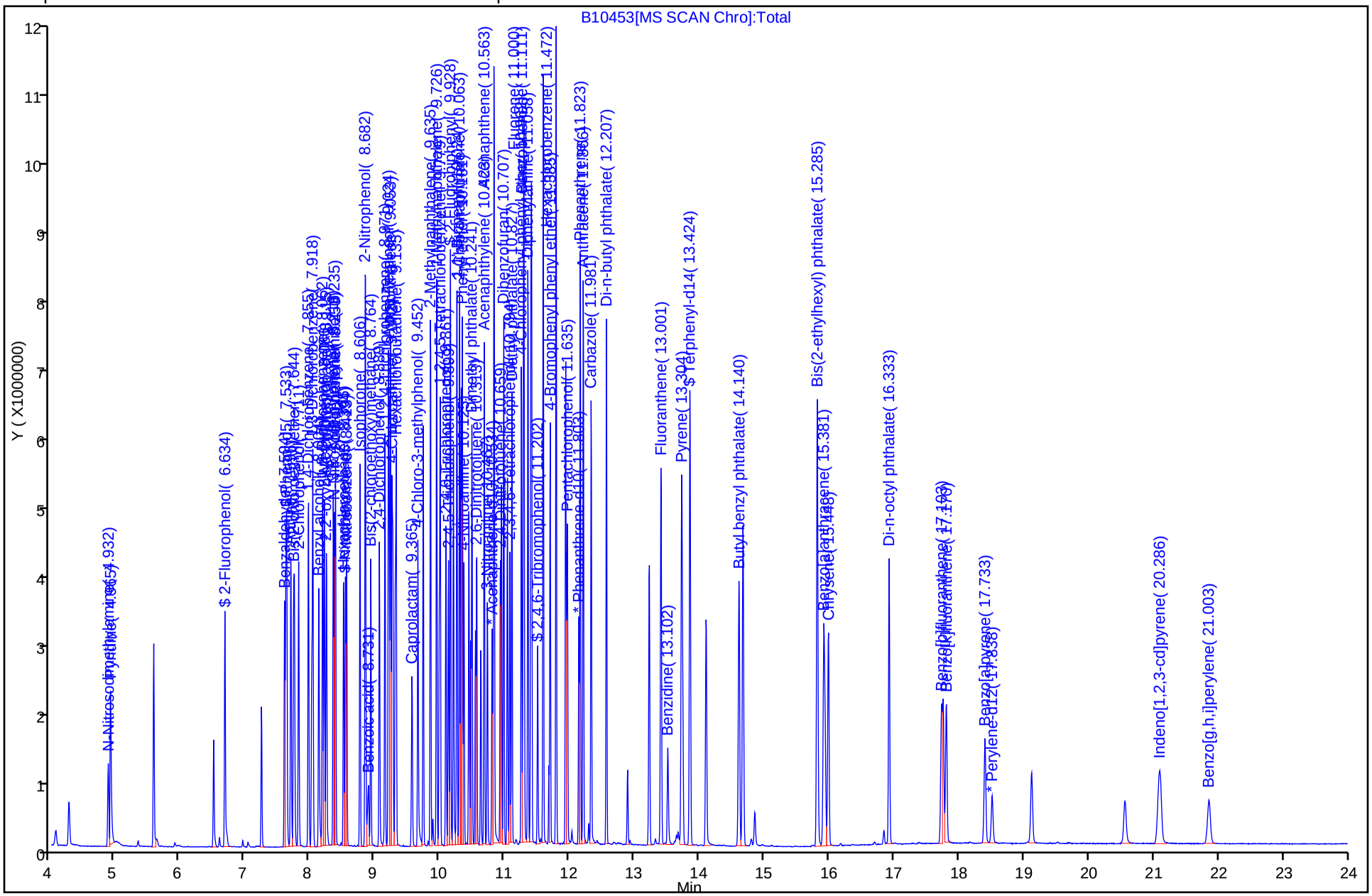
Inj Date: 21-Sep-2009 22:38:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49266 Lims Sample ID: 16

Client ID: Instrument: Inst. B

Sample Info: ccv

Sample Amount: 1.00 ul Operator: MZ



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Lab Sample ID: CCV 360-49847/13 Calibration Date: 10/04/2009 16:35

Instrument ID: Inst. J Calib Start Date: 09/30/2009 16:14

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/30/2009 20:35

Lab File ID: J03305.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin1					5000	-100.0*	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03305.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	04-Oct-2009 16:35:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	ccv		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	49847	Lims Sample ID:	13
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\8270NDMA.m		
Last Update:	06-Oct-2009 16:01:34	Calib Date:	04-Oct-2009 14:57:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03302.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	05-Oct-2009 12:08:28
Reviewed By:	sullivanp	Date:	06-Oct-2009 16:01:34

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.319	7.319	0.000	53964	2.00	
* 2 Naphthalene-d8	136	8.632	8.632	0.000	135680	2.00	
* 3 Acenaphthene-d10	164	10.396	10.396	0.000	51122	2.00	
* 4 Phenanthrene-d10	188	11.853	11.853	0.000	64859	2.00	
* 5 Chrysene-d12	240	14.518	14.518	0.000	28849	2.00	
* 6 Perylene-d12	264	15.989	15.989	0.000	14568	2.00	
$ 7 2-Fluorophenol	112	5.929	5.929	0.000	82667	4.62	
$ 8 Phenol-d5	99	7.006	7.006	0.000	100789	4.64	
$ 9 Nitrobenzene-d5	82	7.929	7.929	0.000	99653	4.93	
$ 10 2-Fluorobiphenyl	172	9.718	9.718	0.000	174999	4.65	
$ 11 2,4,6-Tribromophenol	330	11.185	11.185	0.000	17170	4.88	
$ 12 Terphenyl-d14	244	13.431	13.431	0.000	81490	6.01	
16 Pyridine	79	3.337	3.337	0.000	83960	4.74	
15 N-Nitrosodimethylamine	74	3.414	3.414	0.000	49211	4.61	
17 Benzaldehyde	105	6.872	6.872	0.000	35425	4.44	
18 Phenol	94	7.016	7.016	0.000	122495	4.47	
19 Aniline	93	7.030	7.030	0.000	128637	4.69	
20 Bis(2-chloroethyl)ether	93	7.098	7.098	0.000	86624	4.35	
21 2-Chlorophenol	128	7.131	7.131	0.000	86104	4.62	
22 1,4-Dichlorobenzene	146	7.280	7.280	0.000	96834	4.18	
23 1,3-Dichlorobenzene	146	7.338	7.338	0.000	100566	4.25	
24 Benzyl alcohol	79	7.497	7.497	0.000	77614	4.86	
25 1,2-Dichlorobenzene	146	7.535	7.535	0.000	92373	4.27	
26 2-Methylphenol	108	7.631	7.631	0.000	76537	4.66	
27 2,2'-oxybis[1-chloropropane]	45	7.651	7.651	0.000	83502	4.34	
30 Acetophenone	105	7.771	7.771	0.000	119411	4.75	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	7.776	7.776	0.000	80766	4.80	
29 N-Nitrosodi-n-propylamine	70	7.795	7.795	0.000	69082	4.82	
31 Hexachloroethane	117	7.848	7.848	0.000	41433	4.54	
32 Nitrobenzene	77	7.949	7.949	0.000	102348	4.83	
33 Isophorone	82	8.170	8.170	0.000	177070	5.47	
34 2-Nitrophenol	139	8.271	8.271	0.000	41404	5.37	
35 2,4-Dimethylphenol	107	8.300	8.300	0.000	87163	4.84	
36 Benzoic acid	105	8.362	8.362	0.000	5007	5.34	
37 Bis(2-chloroethoxy)methane	93	8.401	8.401	0.000	101797	4.65	
38 2,4-Dichlorophenol	162	8.497	8.497	0.000	62433	5.70	
39 1,2,4-Trichlorobenzene	180	8.588	8.588	0.000	76480	5.17	
40 Alpha-Terpineol	59	8.632	8.632	0.000	64116	5.38	
41 Naphthalene	128	8.651	8.651	0.000	259135	5.15	
42 4-Chloroaniline	127	8.733	8.733	0.000	92875	5.35	
43 Hexachlorobutadiene	225	8.824	8.824	0.000	45090	5.35	
44 Caprolactam	55	9.026	9.026	0.000	21442	5.49	
45 4-Chloro-3-methylphenol	107	9.199	9.199	0.000	70213	5.59	
46 2-Methylnaphthalene	142	9.334	9.334	0.000	163674	4.58	
47 1-Methylnaphthalene	142	9.444	9.444	0.000	161911	5.10	
49 1,2,4,5-Tetrachlorobenzene	216	9.545	9.545	0.000	65041	5.29	
48 Hexachlorocyclopentadiene	237	9.555	9.555	0.000	30085	5.24	
50 2,4,6-Trichlorophenol	196	9.641	9.641	0.000	40376	5.03	
51 2,4,5-Trichlorophenol	196	9.680	9.680	0.000	39717	4.80	
52 1,1'-Biphenyl	154	9.805	9.805	0.000	186467	4.76	
53 2-Chloronaphthalene	162	9.824	9.824	0.000	163445	4.73	
54 Phenyl ether	170	9.915	9.915	0.000	102263	5.24	
55 2-Nitroaniline	65	9.964	9.964	0.000	39146	4.59	
56 Dimethyl phthalate	163	10.156	10.156	0.000	172231	5.20	
57 2,6-Dinitrotoluene	165	10.238	10.238	0.000	36670	4.83	
58 Acenaphthylene	152	10.247	10.247	0.000	229508	5.37	
59 3-Nitroaniline	138	10.372	10.372	0.000	27011	4.71	
61 Acenaphthene	153	10.430	10.430	0.000	146298	4.76	
60 2,4-Dinitrophenol	184	10.473	10.473	0.000	6971	4.98	
62 4-Nitrophenol	109	10.521	10.521	0.000	15007	4.86	
64 Dibenzofuran	168	10.579	10.579	0.000	186130	4.96	
63 2,4-Dinitrotoluene	165	10.622	10.622	0.000	41468	4.81	
65 2,3,4,6-Tetrachlorophenol	232	10.743	10.743	0.000	28188	4.81	
66 Diethyl phthalate	149	10.844	10.844	0.000	176304	5.28	
67 4-Chlorophenyl phenyl ether	204	10.911	10.911	0.000	72889	4.99	
69 Fluorene	166	10.925	10.925	0.000	150244	5.16	
68 4-Nitroaniline	138	10.983	10.983	0.000	16342	4.59	
70 4,6-Dinitro-2-methylphenol	198	11.017	11.017	0.000	13725	5.21	
72 N-Nitrosodiphenylamine	169	11.041	11.041	0.000	118048	5.01	
71 Diphenylamine	169	11.041	11.041	0.000	118048	5.01	
73 1,2-Diphenylhydrazine	77	11.065	11.065	0.000	176201	4.98	
74 Azobenzene	77	11.065	11.065	0.000	176201	4.98	
13 Benzophenone	105	11.098	11.098	0.000	128434	4.98	
75 4-Bromophenyl phenyl ether	248	11.397	11.397	0.000	37850	4.81	
76 Hexachlorobenzene	284	11.550	11.550	0.000	41762	4.44	
77 Atrazine	200	11.584	11.584	0.000	32824	4.99	
78 Pentachlorophenol	266	11.724	11.724	0.000	12591	4.74	
79 Pentachloronitrobenzene	237	11.805	11.805	0.000	17340	4.63	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.877	11.877	0.000	175154	4.75	
81 Anthracene	178	11.921	11.921	0.000	162396	5.22	
83 Carbazole	167	12.084	12.084	0.000	122131	4.92	
84 Di-n-butyl phthalate	149	12.440	12.440	0.000	230206	4.68	
87 Fluoranthene	202	13.060	13.060	0.000	137485	5.30	
86 Benzidine	184	13.195	13.195	0.000	10649	3.55	
85 Pyrene	202	13.286	13.286	0.000	141433	5.90	
89 Butyl benzyl phthalate	149	13.931	13.931	0.000	54249	5.01	
91 3,3'-Dichlorobenzidine	252	14.484	14.484	0.000	13297	4.09	
93 Benzo[a]anthracene	228	14.498	14.498	0.000	69256	4.97	
92 Bis(2-ethylhexyl) phthalate	149	14.508	14.508	0.000	62933	4.37	
94 Chrysene	228	14.542	14.542	0.000	69665	4.85	
95 Di-n-octyl phthalate	149	15.128	15.128	0.000	47579	4.97	
97 Benzo[b]fluoranthene	252	15.609	15.609	0.000	47732	4.76	
98 Benzo[k]fluoranthene	252	15.633	15.633	0.000	60007	5.61	
99 Benzo[a]pyrene	252	15.936	15.936	0.000	35623	4.74	
100 Indeno[1,2,3-cd]pyrene	276	17.090	17.090	0.000	33584	5.26	
101 Dibenz(a,h)anthracene	278	17.095	17.095	0.000	25176	4.71	
102 Benzo[g,h,i]perylene	276	17.408	17.408	0.000	30092	5.15	

Report Date: 06-Oct-2009 16:01:36 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03305.D

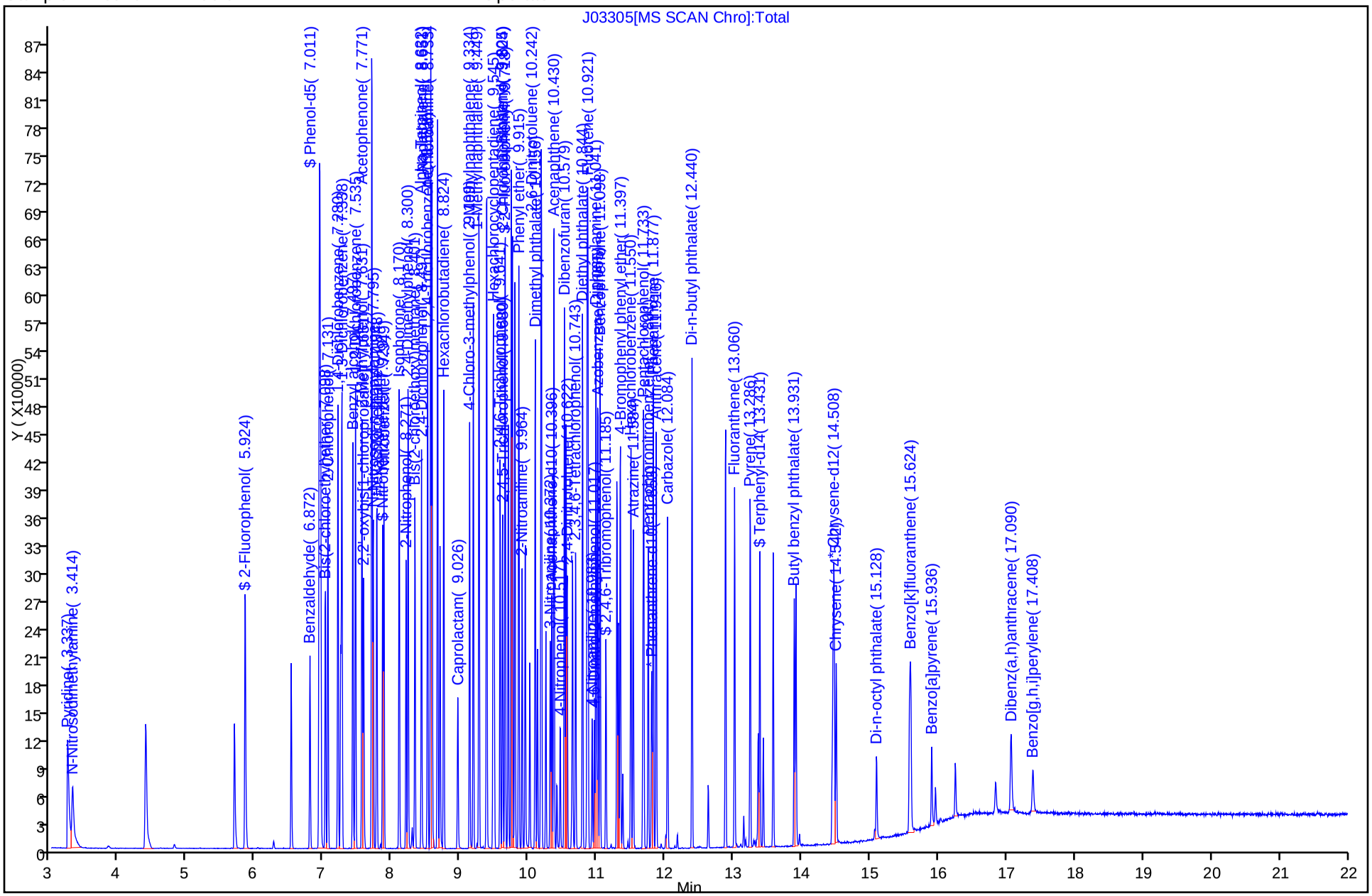
Inj Date: 04-Oct-2009 16:35:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49847 Lims Sample ID: 13

Client ID: Instrument: Inst. J

Sample Info: ccv

Sample Amount: 1.00 ul Operator:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Lab Sample ID: CCV 360-49847/13 Calibration Date: 10/04/2009 16:35

Instrument ID: Inst. J Calib Start Date: 10/04/2009 10:34

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 10/04/2009 14:57

Lab File ID: J03305.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pyridine	Ave	0.6562	0.6223		4740	5000	-5.2	30.0
N-Nitrosodimethylamine	Ave	0.3954	0.3648		4610	5000	-7.8	30.0
Benzaldehyde	Ave	0.2956	0.2626		4440	5000	-11.2	30.0
Phenol	Ave	1.015	0.9080		4470	5000	-10.6	20.0
Aniline	Ave	1.016	0.9535		4690	5000	-6.1	30.0
Bis(2-chloroethyl)ether	Ave	0.7378	0.6421		4350	5000	-13.0	30.0
2-Chlorophenol	Ave	0.6900	0.6382		4620	5000	-7.5	30.0
1,4-Dichlorobenzene	Ave	0.8582	0.7178		4180	5000	-16.4	20.0
1,3-Dichlorobenzene	Ave	0.8765	0.7454		4250	5000	-14.9	30.0
Benzyl alcohol	Ave	0.5917	0.5753		4860	5000	-2.8	30.0
1,2-Dichlorobenzene	Ave	0.8011	0.6847		4270	5000	-14.5	30.0
2-Methylphenol	Ave	0.6086	0.5673		4660	5000	-6.8	30.0
2,2'-oxybis[1-chloropropane]	Ave	0.7133	0.6190		4340	5000	-13.2	30.0
Acetophenone	Ave	0.9319	0.8851		4750	5000	-5.0	30.0
3 & 4 Methylphenol	Ave	0.6236	0.5987		4800	5000	-4.0	30.0
N-Nitrosodi-n-propylamine	Ave	0.5307	0.5121	0.0500	4820	5000	-3.5	30.0
Hexachloroethane	Ave	0.3383	0.3071		4540	5000	-9.2	30.0
Nitrobenzene	Ave	0.3125	0.3017		4830	5000	-3.4	30.0
Isophorone	Ave	0.4772	0.5220		5470	5000	9.4	30.0
2-Nitrophenol	Lin2		0.1221		5370	5000	7.3	20.0
2,4-Dimethylphenol	Ave	0.2653	0.2570		4840	5000	-3.1	30.0
Benzoic acid	Qua		0.0148		5340	5000	6.7	30.0
Bis(2-chloroethoxy)methane	Ave	0.3226	0.3001		4650	5000	-7.0	30.0
2,4-Dichlorophenol	Ave	0.1614	0.1841		5700	5000	14.0	20.0
1,2,4-Trichlorobenzene	Qua		0.2255		5170	5000	3.5	30.0
Alpha-Terpineol	Ave	0.1758	0.1890		5380	5000	7.5	30.0
Naphthalene	Qua		0.7640		5150	5000	3.1	30.0
4-Chloroaniline	Ave	0.2561	0.2738		5350	5000	6.9	30.0
Hexachlorobutadiene	Qua		0.1329		5350	5000	7.1	20.0
Caprolactam	Lin1		0.0632		5490	5000	9.8	30.0
4-Chloro-3-methylphenol	Ave	0.1851	0.2070		5590	5000	11.8	20.0
2-Methylnaphthalene	Ave	0.5265	0.4825		4580	5000	-8.4	30.0
1-Methylnaphthalene	Qua		0.4773		5100	5000	1.9	30.0
1,2,4,5-Tetrachlorobenzene	Qua		0.1918		5290	5000	5.8	30.0
Hexachlorocyclopentadiene	Lin		0.2354	0.0500	5240	5000	4.7	30.0
2,4,6-Trichlorophenol	Lin2		0.3159		5030	5000	0.6	20.0
2,4,5-Trichlorophenol	Lin1		0.3108		4800	5000	-4.0	30.0
1,1'-Biphenyl	Ave	1.532	1.459		4760	5000	-4.8	30.0
2-Chloronaphthalene	Ave	1.353	1.279		4730	5000	-5.5	30.0
Phenyl ether	Qua		0.3015		5240	5000	4.8	30.0
2-Nitroaniline	Lin		0.3063		4590	5000	-8.3	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Lab Sample ID: CCV 360-49847/13 Calibration Date: 10/04/2009 16:35

Instrument ID: Inst. J Calib Start Date: 10/04/2009 10:34

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 10/04/2009 14:57

Lab File ID: J03305.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dimethyl phthalate	Ave	1.295	1.348		5200	5000	4.1	30.0
2,6-Dinitrotoluene	Lin1		0.2869		4830	5000	-3.5	30.0
Acenaphthylene	Ave	1.673	1.796		5370	5000	7.3	30.0
3-Nitroaniline	Lin1		0.2114		4710	5000	-5.8	30.0
Acenaphthene	Ave	1.201	1.145		4760	5000	-4.7	20.0
2,4-Dinitrophenol	Qua		0.0545	0.0500	4980	5000	-0.3	30.0
4-Nitrophenol	Lin		0.1174	0.0500	4860	5000	-2.7	30.0
Dibenzofuran	Ave	1.467	1.456		4960	5000	-0.7	30.0
2,4-Dinitrotoluene	Lin1		0.3245		4810	5000	-3.8	30.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2206		4810	5000	-3.8	30.0
Diethyl phthalate	Ave	1.306	1.379		5280	5000	5.6	30.0
4-Chlorophenyl phenyl ether	Ave	0.5713	0.5703		4990	5000	-0.2	30.0
Fluorene	Ave	1.139	1.176		5160	5000	3.2	30.0
4-Nitroaniline	Lin1		0.1279		4590	5000	-8.3	30.0
4,6-Dinitro-2-methylphenol	Qua		0.0847		5210	5000	4.1	30.0
Diphenylamine	Ave	0.7272	0.7280		5010	5000	0.1	30.0
N-Nitrosodiphenylamine	Ave	0.7272	0.7280		5010	5000	0.1	20.0
1,2-Diphenylhydrazine	Lin2		1.087		4980	5000	-0.4	30.0
Azobenzene	Lin2		1.087		4980	5000	-0.4	30.0
Benzophenone	Lin2		0.7921		4980	5000	-0.3	30.0
4-Bromophenyl phenyl ether	Ave	0.2426	0.2334		4810	5000	-3.8	30.0
Hexachlorobenzene	Ave	0.2899	0.2576		4440	5000	-11.2	30.0
Atrazine	Lin2		0.2024		4990	5000	-0.3	30.0
Pentachlorophenol	Lin		0.0777		4740	5000	-5.2	20.0
Pentachloronitrobenzene	Lin1		0.1069		4630	5000	-7.4	30.0
Phenanthrene	Ave	1.136	1.080		4750	5000	-4.9	30.0
Anthracene	Lin2		1.002		5220	5000	4.4	30.0
Carbazole	Lin1		0.7532		4920	5000	-1.5	30.0
Di-n-butyl phthalate	Lin1		1.420		4680	5000	-6.4	30.0
Fluoranthene	Ave	0.8007	0.8479		5300	5000	5.9	20.0
Benzidine	Lin		0.0657		3550	5000	-28.9	30.0
Pyrene	Ave	1.661	1.961		5900	5000	18.0	30.0
Butyl benzyl phthalate	Lin1		0.7522		5010	5000	0.3	30.0
3,3'-Dichlorobenzidine	Lin		0.1844		4090	5000	-18.2	30.0
Benzo[a]anthracene	Lin1		0.9603		4970	5000	-0.7	30.0
Bis(2-ethylhexyl) phthalate	Lin		0.8726		4370	5000	-12.5	30.0
Chrysene	Ave	0.9948	0.9659		4850	5000	-2.9	30.0
Di-n-octyl phthalate	Qua		1.306		4970	5000	-0.5	20.0
Benzo[b]fluoranthene	Ave	1.376	1.311		4760	5000	-4.7	30.0
Benzo[k]fluoranthene	Ave	1.468	1.648		5610	5000	12.3	30.0
Benzo[a]pyrene	Lin1		0.9781		4740	5000	-5.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Lab Sample ID: CCV 360-49847/13 Calibration Date: 10/04/2009 16:35

Instrument ID: Inst. J Calib Start Date: 10/04/2009 10:34

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 10/04/2009 14:57

Lab File ID: J03305.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Indeno[1,2,3-cd]pyrene	Lin2		0.9221		5260	5000	5.2	30.0
Dibenz(a,h)anthracene	Lin1		0.6913		4710	5000	-5.9	30.0
Benzo[g,h,i]perylene	Ave	0.8019	0.8263		5150	5000	3.0	30.0
2-Fluorophenol	Ave	0.6634	0.6128		4620	5000	-7.6	30.0
Phenol-d5	Ave	0.8057	0.7471		4640	5000	-7.3	30.0
Nitrobenzene-d5	Ave	0.2981	0.2938		4930	5000	-1.4	30.0
2-Fluorobiphenyl	Ave	1.473	1.369		4650	5000	-7.0	30.0
2,4,6-Tribromophenol	Lin1		0.1059		4880	5000	-2.4	30.0
Terphenyl-d14	Ave	0.9401	1.130		6010	5000	20.2	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03305.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	04-Oct-2009 16:35:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	ccv		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	49847	Lims Sample ID:	13
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\8270NDMA.m		
Last Update:	06-Oct-2009 16:01:34	Calib Date:	04-Oct-2009 14:57:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03302.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	05-Oct-2009 12:08:28
Reviewed By:	sullivanp	Date:	06-Oct-2009 16:01:34

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.319	7.319	0.000	53964	2.00	
* 2 Naphthalene-d8	136	8.632	8.632	0.000	135680	2.00	
* 3 Acenaphthene-d10	164	10.396	10.396	0.000	51122	2.00	
* 4 Phenanthrene-d10	188	11.853	11.853	0.000	64859	2.00	
* 5 Chrysene-d12	240	14.518	14.518	0.000	28849	2.00	
* 6 Perylene-d12	264	15.989	15.989	0.000	14568	2.00	
$ 7 2-Fluorophenol	112	5.929	5.929	0.000	82667	4.62	
$ 8 Phenol-d5	99	7.006	7.006	0.000	100789	4.64	
$ 9 Nitrobenzene-d5	82	7.929	7.929	0.000	99653	4.93	
$ 10 2-Fluorobiphenyl	172	9.718	9.718	0.000	174999	4.65	
$ 11 2,4,6-Tribromophenol	330	11.185	11.185	0.000	17170	4.88	
$ 12 Terphenyl-d14	244	13.431	13.431	0.000	81490	6.01	
16 Pyridine	79	3.337	3.337	0.000	83960	4.74	
15 N-Nitrosodimethylamine	74	3.414	3.414	0.000	49211	4.61	
17 Benzaldehyde	105	6.872	6.872	0.000	35425	4.44	
18 Phenol	94	7.016	7.016	0.000	122495	4.47	
19 Aniline	93	7.030	7.030	0.000	128637	4.69	
20 Bis(2-chloroethyl)ether	93	7.098	7.098	0.000	86624	4.35	
21 2-Chlorophenol	128	7.131	7.131	0.000	86104	4.62	
22 1,4-Dichlorobenzene	146	7.280	7.280	0.000	96834	4.18	
23 1,3-Dichlorobenzene	146	7.338	7.338	0.000	100566	4.25	
24 Benzyl alcohol	79	7.497	7.497	0.000	77614	4.86	
25 1,2-Dichlorobenzene	146	7.535	7.535	0.000	92373	4.27	
26 2-Methylphenol	108	7.631	7.631	0.000	76537	4.66	
27 2,2'-oxybis[1-chloropropane]	45	7.651	7.651	0.000	83502	4.34	
30 Acetophenone	105	7.771	7.771	0.000	119411	4.75	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	7.776	7.776	0.000	80766	4.80	
29 N-Nitrosodi-n-propylamine	70	7.795	7.795	0.000	69082	4.82	
31 Hexachloroethane	117	7.848	7.848	0.000	41433	4.54	
32 Nitrobenzene	77	7.949	7.949	0.000	102348	4.83	
33 Isophorone	82	8.170	8.170	0.000	177070	5.47	
34 2-Nitrophenol	139	8.271	8.271	0.000	41404	5.37	
35 2,4-Dimethylphenol	107	8.300	8.300	0.000	87163	4.84	
36 Benzoic acid	105	8.362	8.362	0.000	5007	5.34	
37 Bis(2-chloroethoxy)methane	93	8.401	8.401	0.000	101797	4.65	
38 2,4-Dichlorophenol	162	8.497	8.497	0.000	62433	5.70	
39 1,2,4-Trichlorobenzene	180	8.588	8.588	0.000	76480	5.17	
40 Alpha-Terpineol	59	8.632	8.632	0.000	64116	5.38	
41 Naphthalene	128	8.651	8.651	0.000	259135	5.15	
42 4-Chloroaniline	127	8.733	8.733	0.000	92875	5.35	
43 Hexachlorobutadiene	225	8.824	8.824	0.000	45090	5.35	
44 Caprolactam	55	9.026	9.026	0.000	21442	5.49	
45 4-Chloro-3-methylphenol	107	9.199	9.199	0.000	70213	5.59	
46 2-Methylnaphthalene	142	9.334	9.334	0.000	163674	4.58	
47 1-Methylnaphthalene	142	9.444	9.444	0.000	161911	5.10	
49 1,2,4,5-Tetrachlorobenzene	216	9.545	9.545	0.000	65041	5.29	
48 Hexachlorocyclopentadiene	237	9.555	9.555	0.000	30085	5.24	
50 2,4,6-Trichlorophenol	196	9.641	9.641	0.000	40376	5.03	
51 2,4,5-Trichlorophenol	196	9.680	9.680	0.000	39717	4.80	
52 1,1'-Biphenyl	154	9.805	9.805	0.000	186467	4.76	
53 2-Chloronaphthalene	162	9.824	9.824	0.000	163445	4.73	
54 Phenyl ether	170	9.915	9.915	0.000	102263	5.24	
55 2-Nitroaniline	65	9.964	9.964	0.000	39146	4.59	
56 Dimethyl phthalate	163	10.156	10.156	0.000	172231	5.20	
57 2,6-Dinitrotoluene	165	10.238	10.238	0.000	36670	4.83	
58 Acenaphthylene	152	10.247	10.247	0.000	229508	5.37	
59 3-Nitroaniline	138	10.372	10.372	0.000	27011	4.71	
61 Acenaphthene	153	10.430	10.430	0.000	146298	4.76	
60 2,4-Dinitrophenol	184	10.473	10.473	0.000	6971	4.98	
62 4-Nitrophenol	109	10.521	10.521	0.000	15007	4.86	
64 Dibenzofuran	168	10.579	10.579	0.000	186130	4.96	
63 2,4-Dinitrotoluene	165	10.622	10.622	0.000	41468	4.81	
65 2,3,4,6-Tetrachlorophenol	232	10.743	10.743	0.000	28188	4.81	
66 Diethyl phthalate	149	10.844	10.844	0.000	176304	5.28	
67 4-Chlorophenyl phenyl ether	204	10.911	10.911	0.000	72889	4.99	
69 Fluorene	166	10.925	10.925	0.000	150244	5.16	
68 4-Nitroaniline	138	10.983	10.983	0.000	16342	4.59	
70 4,6-Dinitro-2-methylphenol	198	11.017	11.017	0.000	13725	5.21	
72 N-Nitrosodiphenylamine	169	11.041	11.041	0.000	118048	5.01	
71 Diphenylamine	169	11.041	11.041	0.000	118048	5.01	
73 1,2-Diphenylhydrazine	77	11.065	11.065	0.000	176201	4.98	
74 Azobenzene	77	11.065	11.065	0.000	176201	4.98	
13 Benzophenone	105	11.098	11.098	0.000	128434	4.98	
75 4-Bromophenyl phenyl ether	248	11.397	11.397	0.000	37850	4.81	
76 Hexachlorobenzene	284	11.550	11.550	0.000	41762	4.44	
77 Atrazine	200	11.584	11.584	0.000	32824	4.99	
78 Pentachlorophenol	266	11.724	11.724	0.000	12591	4.74	
79 Pentachloronitrobenzene	237	11.805	11.805	0.000	17340	4.63	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.877	11.877	0.000	175154	4.75	
81 Anthracene	178	11.921	11.921	0.000	162396	5.22	
83 Carbazole	167	12.084	12.084	0.000	122131	4.92	
84 Di-n-butyl phthalate	149	12.440	12.440	0.000	230206	4.68	
87 Fluoranthene	202	13.060	13.060	0.000	137485	5.30	
86 Benzidine	184	13.195	13.195	0.000	10649	3.55	
85 Pyrene	202	13.286	13.286	0.000	141433	5.90	
89 Butyl benzyl phthalate	149	13.931	13.931	0.000	54249	5.01	
91 3,3'-Dichlorobenzidine	252	14.484	14.484	0.000	13297	4.09	
93 Benzo[a]anthracene	228	14.498	14.498	0.000	69256	4.97	
92 Bis(2-ethylhexyl) phthalate	149	14.508	14.508	0.000	62933	4.37	
94 Chrysene	228	14.542	14.542	0.000	69665	4.85	
95 Di-n-octyl phthalate	149	15.128	15.128	0.000	47579	4.97	
97 Benzo[b]fluoranthene	252	15.609	15.609	0.000	47732	4.76	
98 Benzo[k]fluoranthene	252	15.633	15.633	0.000	60007	5.61	
99 Benzo[a]pyrene	252	15.936	15.936	0.000	35623	4.74	
100 Indeno[1,2,3-cd]pyrene	276	17.090	17.090	0.000	33584	5.26	
101 Dibenz(a,h)anthracene	278	17.095	17.095	0.000	25176	4.71	
102 Benzo[g,h,i]perylene	276	17.408	17.408	0.000	30092	5.15	

Report Date: 06-Oct-2009 16:01:36 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03305.D

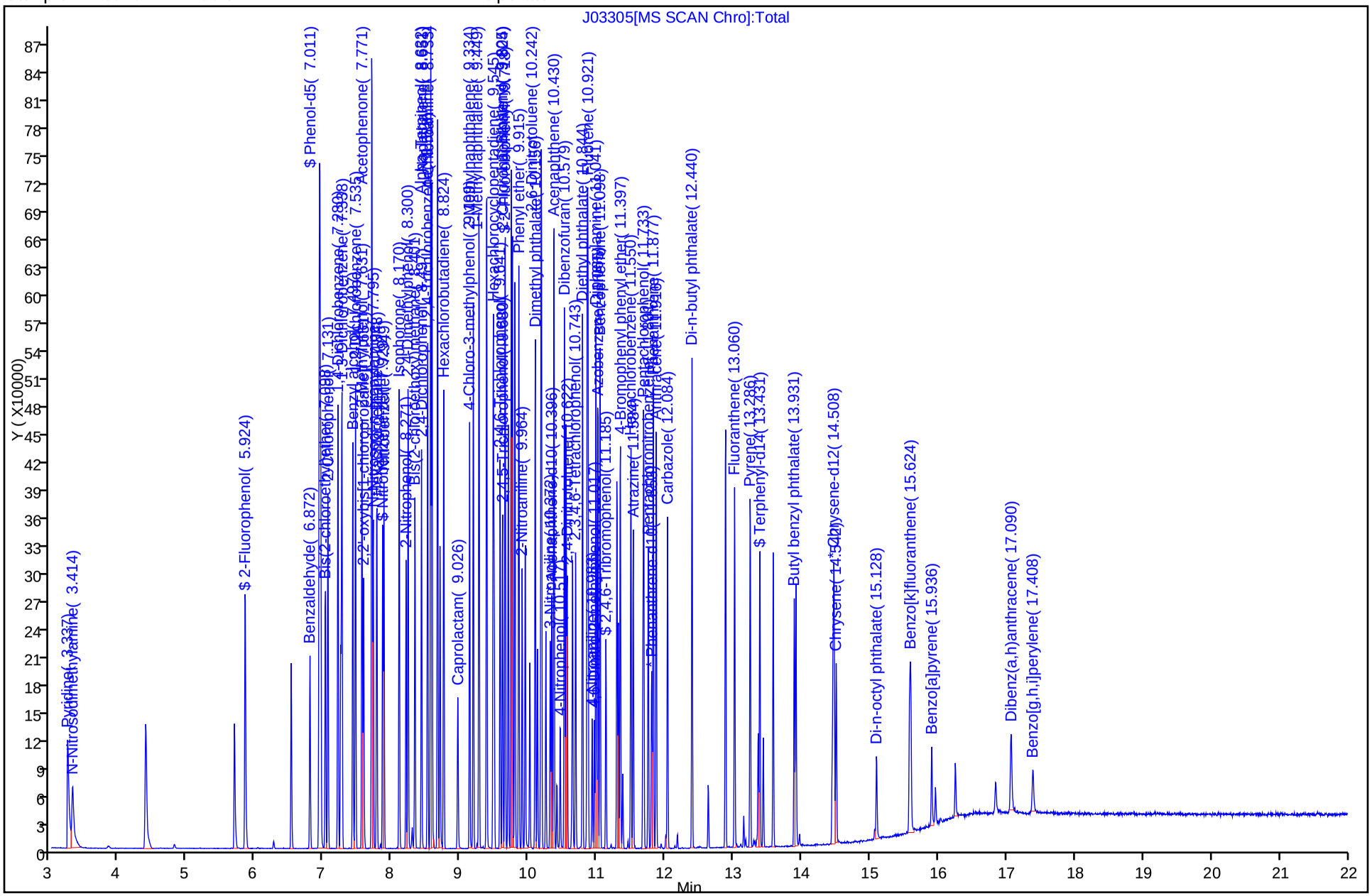
Inj Date: 04-Oct-2009 16:35:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49847 Lims Sample ID: 13

Client ID: Instrument: Inst. J

Sample Info: ccv

Sample Amount: 1.00 ul Operator:

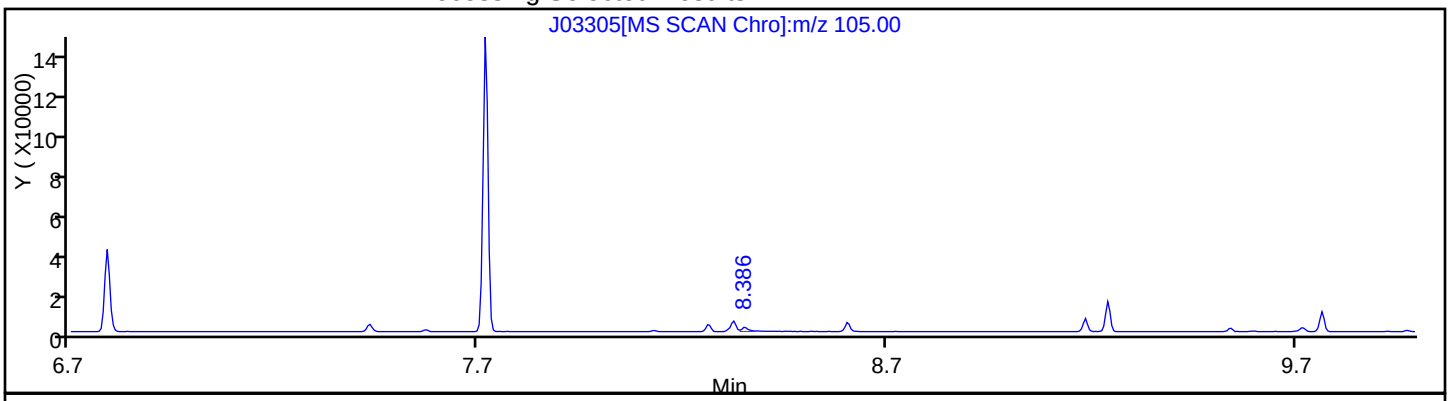


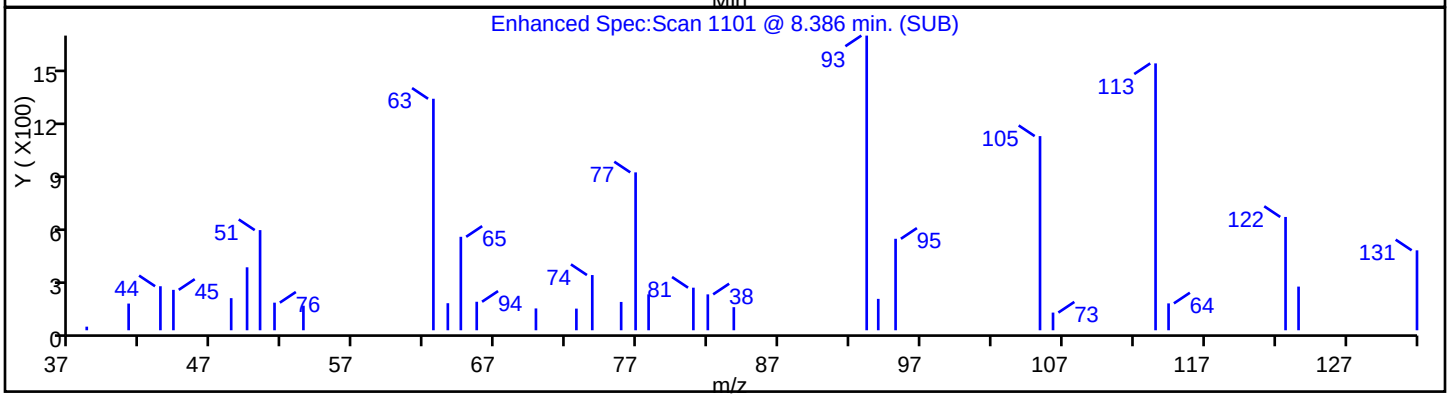
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03305.D		
Inj Date:	04-Oct-2009 16:35:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49847	Lims Sample ID:	13
Client ID:		Instrument:	Inst. J
Sample Info:	ccv		
Sample Amount:	1.00 ul	Operator:	

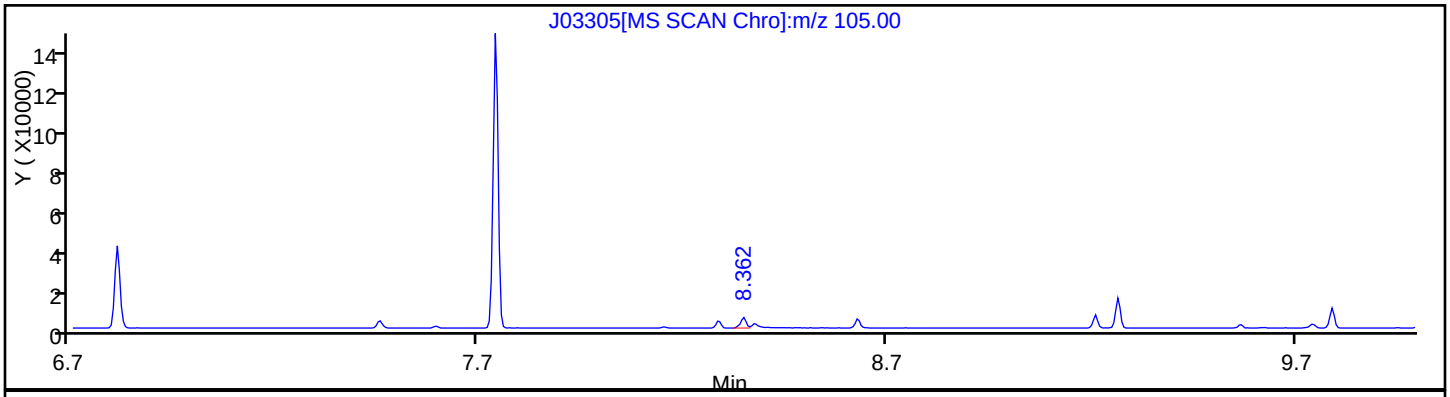
36 Benzoic acid

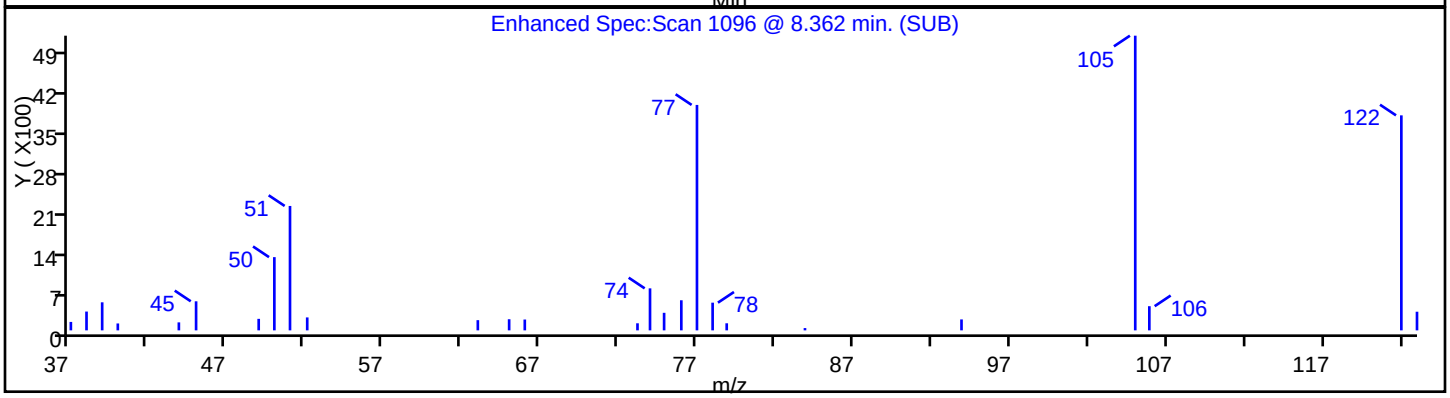
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 05-Oct-2009 12:08:28
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10400.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	18-Sep-2009 16:08:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Misc. Info.:	360-0001228-001		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	1
Lims Batch ID:	49189	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\8270B.m		
Last Update:	21-Sep-2009 12:49:32	Calib Date:	18-Sep-2009 20:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10409.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	21-Sep-2009 12:49:32

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.841	11.841	0.000	2774400		
82 DFTPP	198	12.134	12.134	0.000	3459118		
86 Benzidine	184	13.414	13.414	0.000	11200252		
88 4,4'-DDD	235	14.197	14.197	0.000	499395		
90 4,4'-DDT	235	14.803	14.803	0.000	6830109		

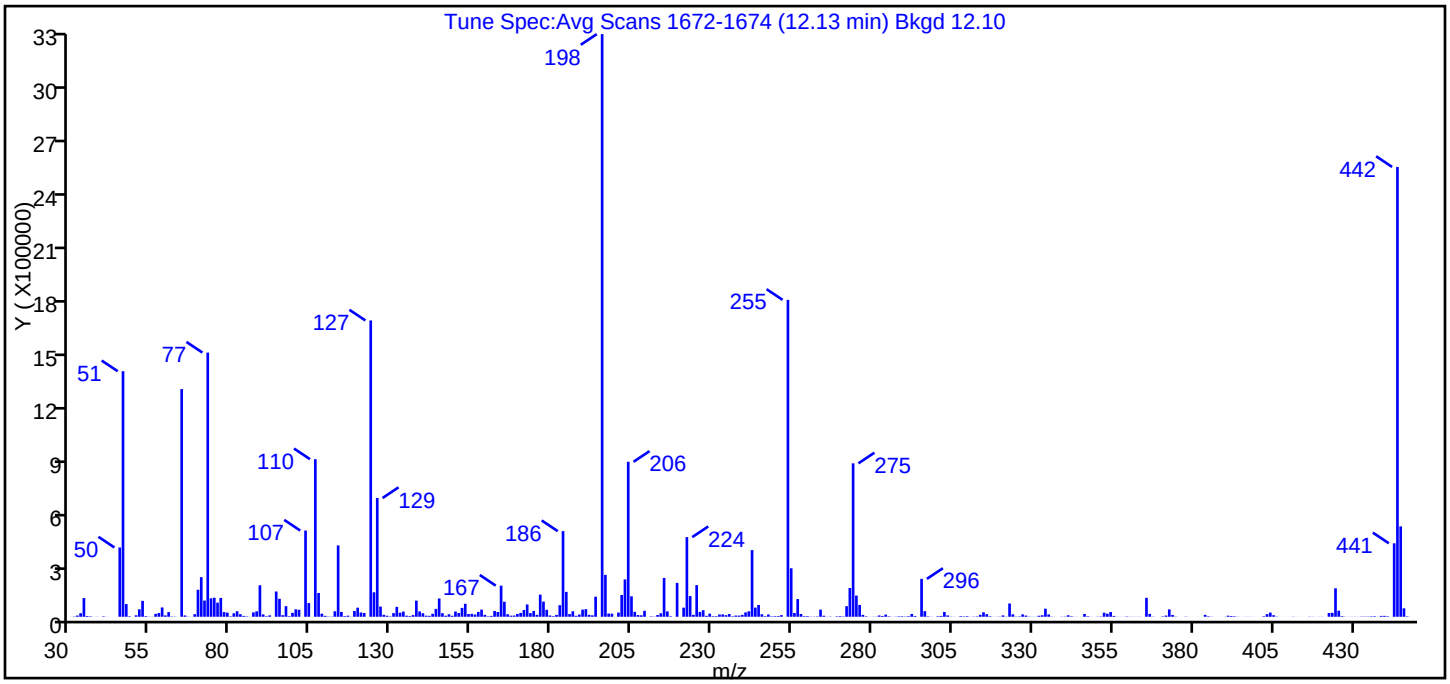
Report Date: 21-Sep-2009 12:49:33

Chrom Revision: 1.0.2009.910

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10400.D		
Inj Date:	18-Sep-2009 16:08:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49189	Lims Sample ID:	1
Client ID:		Instrument:	Inst. B
Sample Info:	dftpp		
Sample Amount:	2.00 uL	Operator:	MZ

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	42.14
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	39.07
70	Less than 2.00% of mass 69	0.23 (0.59)
127	40.00 - 60.00% of mass 198	50.86
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.19
275	10.00 - 30.00% of mass 198	26.33
365	Greater than 1.00% of mass 198	3.25
441	Present, but less than mass 443%	12.61 (81.31)
442	Greater than 40.00% of mass 198	77.20
443	17.00 - 23.00% of mass 442	15.51 (20.09)

Report Date: 21-Sep-2009 12:49:33 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10400.D\8270B.rslt\spectra.d
Injection Date: 18-Sep-2009 16:08:30
Spectrum: Tune Spec:Avg Scans 1672-1674 (12.13 min) Bkgd 12.10
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 90

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	102976	108.00	75320	181.00	38384	246.00	64792
50.00	380800	110.00	866112	185.00	63472	255.00	1741824
51.00	1349632	111.00	130720	186.00	470656	256.00	266560
52.00	69840	117.00	392128	187.00	136896	258.00	97432
56.00	41024	123.00	49976	192.00	39264	265.00	39248
57.00	87456	127.00	1628672	193.00	41784	273.00	58248
63.00	51240	128.00	134592	196.00	110328	274.00	158144
69.00	1251328	129.00	652800	198.00	3202560	275.00	843328
74.00	148352	130.00	55984	199.00	230144	276.00	116368
75.00	217600	135.00	54328	204.00	119760	277.00	65064
76.00	89096	141.00	88456	205.00	205376	296.00	208256
77.00	1452032	147.00	43448	206.00	851904	323.00	72856
78.00	101360	148.00	100424	207.00	112448	334.00	44472
79.00	104448	155.00	48768	211.00	32880	365.00	104176
80.00	77768	156.00	71344	217.00	213504	372.00	40304
81.00	103568	161.00	39256	221.00	186048	423.00	156544
93.00	173312	167.00	171008	223.00	50120	424.00	33144
98.00	138752	168.00	82584	224.00	437760	441.00	403840
99.00	98656	174.00	37264	225.00	113824	442.00	2472448
101.00	58152	175.00	67584	227.00	174016	443.00	496640
104.00	40736	177.00	32224	229.00	36000	444.00	46360
105.00	38544	179.00	121768	244.00	366400		
107.00	473856	180.00	83208	245.00	50280		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-2.b\B10414.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	18-Sep-2009 23:25:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Misc. Info.:	360-0001226-001		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	49187	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090918-2.b\8270B.m		
Last Update:	21-Sep-2009 13:15:49	Calib Date:	18-Sep-2009 20:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10409.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	21-Sep-2009 13:15:49

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.840	11.840	0.000	2088464		
82 DFTPP	198	12.133	12.133	0.000	3048222		
86 Benzidine	184	13.412	13.412	0.000	10261210		
88 4,4'-DDD	235	14.196	14.197	-0.001	478963		
90 4,4'-DDT	235	14.802	14.802	0.000	5613807		

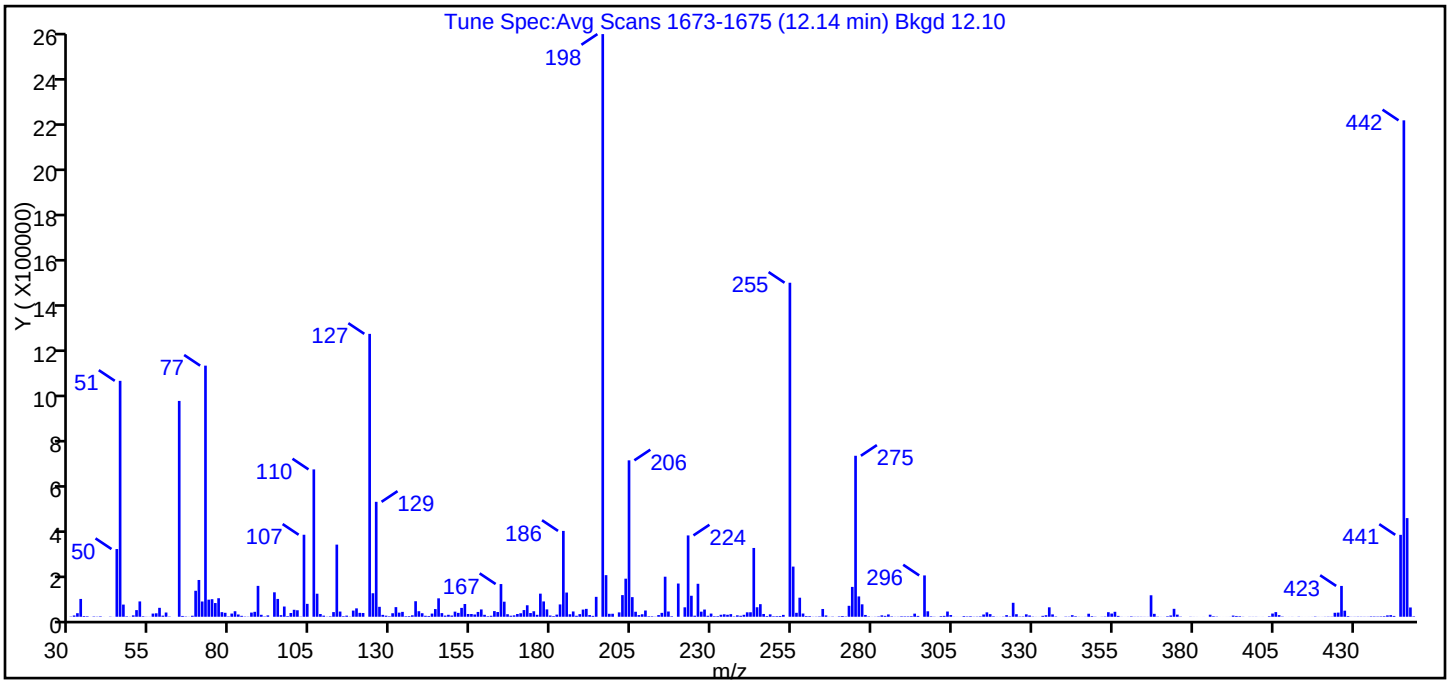
Report Date: 21-Sep-2009 13:15:49

Chrom Revision: 1.0.2009.910

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-2.b\B10414.D		
Inj Date:	18-Sep-2009 23:25:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49187	Lims Sample ID:	1
Client ID:		Instrument:	Inst. B
Sample Info:	dftpp		
Sample Amount:	1.00 uL	Operator:	MZ

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	40.49
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	37.04
70	Less than 2.00% of mass 69	0.14 (0.38)
127	40.00 - 60.00% of mass 198	48.55
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.14
275	10.00 - 30.00% of mass 198	27.63
365	Greater than 1.00% of mass 198	3.69
441	Present, but less than mass 443%	14.06 (83.04)
442	Greater than 40.00% of mass 198	85.20
443	17.00 - 23.00% of mass 442	16.94 (19.88)

Report Date: 21-Sep-2009 13:15:49 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090918-2.b\B10414.D\8270B.rslt\spectra.d
Injection Date: 18-Sep-2009 23:25:30
Spectrum: Tune Spec:Avg Scans 1673-1675 (12.14 min) Bkgd 12.10
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 90

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	76976	108.00	55744	181.00	31856	246.00	54424
50.00	292288	110.00	636096	185.00	53256	255.00	1441792
51.00	1018368	111.00	99536	186.00	370624	256.00	216576
52.00	52592	117.00	311424	187.00	104544	258.00	82264
56.00	28720	122.00	26704	192.00	30992	265.00	33616
57.00	66208	123.00	36288	193.00	34056	273.00	47312
63.00	38624	127.00	1221120	196.00	85976	274.00	128880
69.00	931648	128.00	101520	198.00	2514944	275.00	694912
74.00	112272	129.00	496128	199.00	179648	276.00	87792
75.00	158784	130.00	42936	204.00	93472	277.00	53760
76.00	65944	135.00	41632	205.00	164352	296.00	178496
77.00	1083904	141.00	67048	206.00	675200	323.00	60312
78.00	73840	147.00	33256	207.00	84704	334.00	40816
79.00	75808	148.00	79568	211.00	27024	365.00	92808
80.00	59232	155.00	38264	217.00	172928	372.00	34328
81.00	80032	156.00	55000	221.00	143488	423.00	133120
93.00	133312	161.00	31640	223.00	40792	424.00	26312
98.00	105592	167.00	141248	224.00	351104	441.00	353664
99.00	76960	168.00	65080	225.00	90704	442.00	2142720
101.00	44240	174.00	28880	227.00	142400	443.00	425920
104.00	30104	175.00	49648	229.00	31176	444.00	40152
105.00	28064	179.00	99800	244.00	297024		
107.00	354048	180.00	66192	245.00	41056		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10438.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	21-Sep-2009 14:53:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	49265	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 11:01:30	Calib Date:	21-Sep-2009 19:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 11:01:30

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

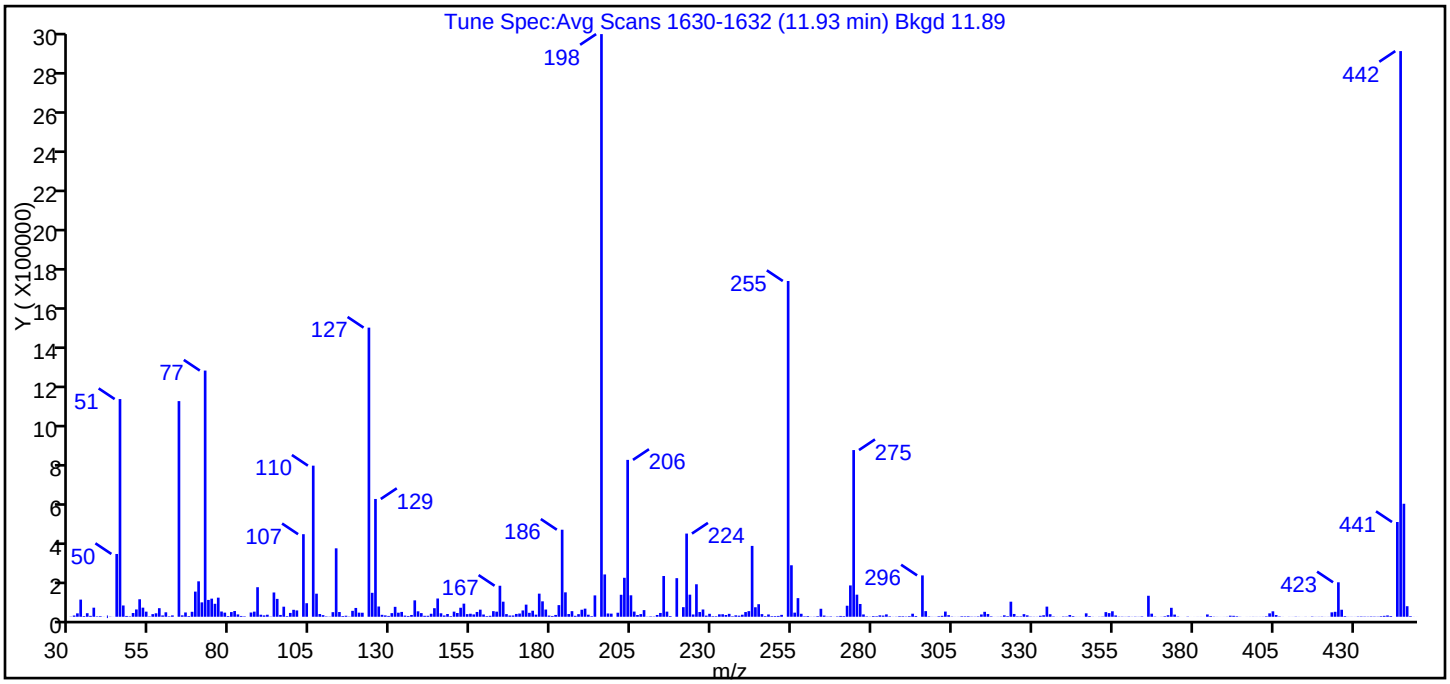
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.629	11.629	0.000	2835263		
82 DFTPP	198	11.932	11.932	0.000	3518521		
86 Benzidine	184	13.115	13.115	0.000	7502046		
88 4,4'-DDD	235	13.846	13.846	0.000	257928		
90 4,4'-DDT	235	14.399	14.399	0.000	7236059		

Chrom Revision: 1.1 20-Sep-2009 21:03:36

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10438.D		
Inj Date:	21-Sep-2009 14:53:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	1
Client ID:		Instrument:	Inst. B
Sample Info:	dftpp		
Sample Amount:	1.00 ul	Operator:	MZ

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	37.36
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	37.01
70	Less than 2.00% of mass 69	0.24 (0.65)
127	40.00 - 60.00% of mass 198	49.62
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.26
275	10.00 - 30.00% of mass 198	28.61
365	Greater than 1.00% of mass 198	3.60
441	Present, but less than mass 443%	16.26 (83.85)
442	Greater than 40.00% of mass 198	97.08
443	17.00 - 23.00% of mass 442	19.40 (19.98)

Report Date: 22-Sep-2009 11:01:31 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10438.D\8270B.rslt\spectra.d
Injection Date: 21-Sep-2009 14:53:30
Spectrum: Tune Spec:Avg Scans 1630-1632 (11.93 min) Bkgd 11.89
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 93

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	86320	107.00	415424	180.00	77632	246.00	63176
43.00	45704	108.00	68192	181.00	36328	255.00	1689088
50.00	315904	110.00	760192	185.00	58584	256.00	259072
51.00	1095168	111.00	116120	186.00	437952	258.00	93800
52.00	56784	117.00	344320	187.00	122896	265.00	40248
56.00	36816	122.00	29840	192.00	35352	273.00	55560
57.00	88072	123.00	44384	193.00	40840	274.00	157696
58.00	45800	127.00	1454592	196.00	107520	275.00	838592
63.00	43176	128.00	120504	198.00	2931200	276.00	111184
69.00	1084928	129.00	592576	199.00	212928	277.00	64304
74.00	126568	130.00	51624	204.00	110640	296.00	208128
75.00	178304	135.00	49968	205.00	196096	323.00	75872
76.00	72448	141.00	82576	206.00	789248	334.00	51040
77.00	1238528	147.00	43128	207.00	107984	365.00	105664
78.00	84784	148.00	91912	211.00	33416	372.00	45112
79.00	91176	155.00	45328	217.00	205056	423.00	173440
80.00	65200	156.00	66040	221.00	194240	424.00	35368
81.00	96152	161.00	35784	223.00	48256	441.00	476672
93.00	148672	167.00	156032	224.00	418560	442.00	2845696
98.00	122200	168.00	75904	225.00	111168	443.00	568512
99.00	89960	174.00	31840	227.00	163520	444.00	53088
101.00	50664	175.00	61040	229.00	36624		
104.00	35008	177.00	30392	244.00	356480		
105.00	31880	179.00	116344	245.00	47880		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10452.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	21-Sep-2009 22:07:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	49266	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 11:05:19	Calib Date:	21-Sep-2009 19:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 11:05:19

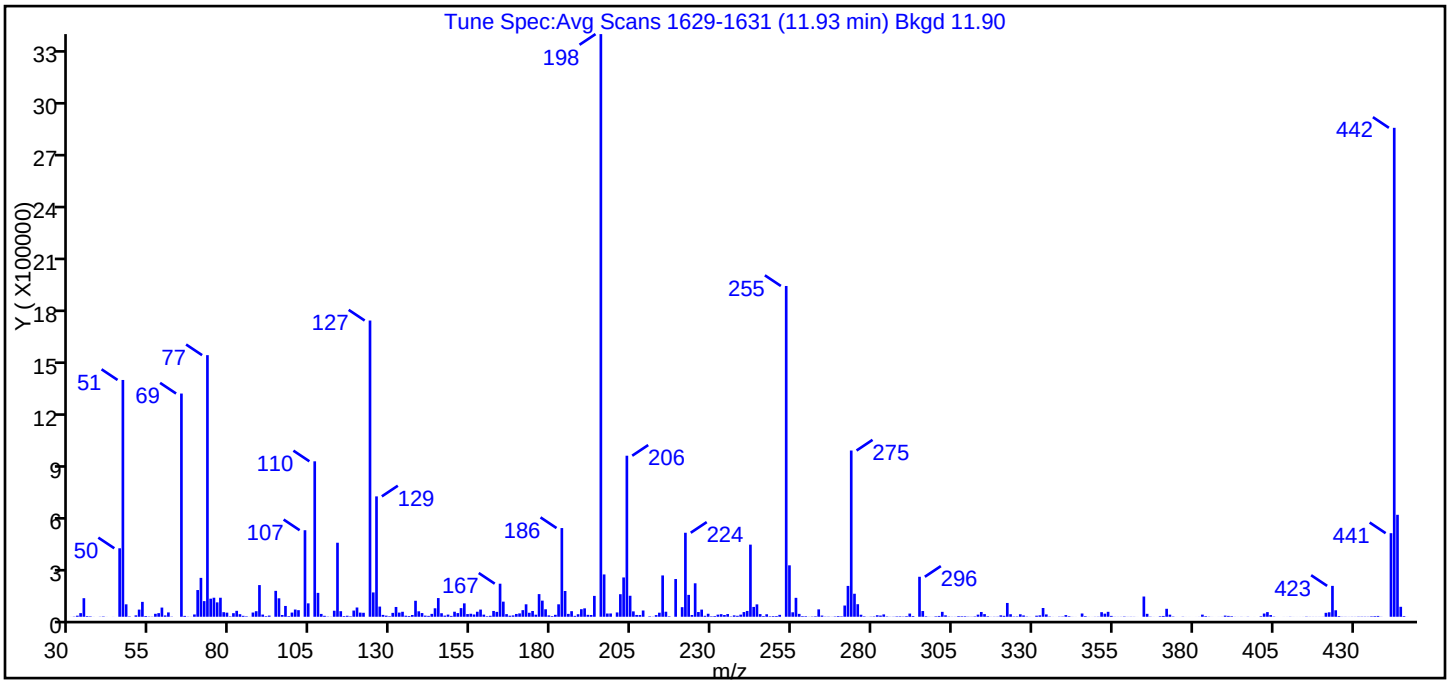
WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.629	11.629	0.000	3200586		
82 DFTPP	198	11.927	11.932	-0.005	3580884		
86 Benzidine	184	13.119	13.119	0.000	11208978		
88 4,4'-DDD	235	13.841	13.846	-0.005	404589		
90 4,4'-DDT	235	14.398	14.399	-0.001	7062950		

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10452.D		
Inj Date:	21-Sep-2009 22:07:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	15
Client ID:		Instrument:	Inst. B
Sample Info:	dftpp		
Sample Amount:	1.00 ul	Operator:	MZ

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	40.64
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	38.31
70	Less than 2.00% of mass 69	0.15 (0.39)
127	40.00 - 60.00% of mass 198	50.84
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.26
275	10.00 - 30.00% of mass 198	28.53
365	Greater than 1.00% of mass 198	3.47
441	Present, but less than mass 443%	14.35 (81.97)
442	Greater than 40.00% of mass 198	83.92
443	17.00 - 23.00% of mass 442	17.50 (20.86)

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10452.D\8270B.rslt\spectra.d
Injection Date: 21-Sep-2009 22:07:30
Spectrum: Tune Spec:Avg Scans 1629-1631 (11.93 min) Bkgd 11.90
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 93

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	106584	108.00	77048	181.00	42984	246.00	71120
50.00	392832	110.00	891712	185.00	71512	255.00	1897472
51.00	1358336	111.00	137024	186.00	508864	256.00	295104
52.00	71448	116.00	34688	187.00	147840	258.00	108616
56.00	41072	117.00	424704	192.00	43480	265.00	42464
57.00	85448	122.00	35616	193.00	48304	273.00	64480
63.00	52768	123.00	53184	196.00	119728	274.00	176960
69.00	1280512	127.00	1699328	198.00	3342336	275.00	953664
74.00	153280	128.00	139584	199.00	242816	276.00	132032
75.00	223104	129.00	690560	204.00	129464	277.00	72120
76.00	89800	130.00	58456	205.00	225536	296.00	229440
77.00	1500672	135.00	56208	206.00	923840	323.00	79192
78.00	103744	141.00	91800	207.00	120472	334.00	50320
79.00	109192	147.00	48696	211.00	36000	365.00	116136
80.00	82632	148.00	107320	217.00	237120	372.00	45760
81.00	109144	155.00	49632	221.00	216512	423.00	177152
86.00	34048	156.00	76880	223.00	55096	424.00	37312
93.00	181760	161.00	41280	224.00	481920	441.00	479488
98.00	148672	167.00	189760	225.00	125544	442.00	2804736
99.00	105928	168.00	86776	227.00	192000	443.00	584960
101.00	62024	174.00	38008	229.00	41160	444.00	57160
104.00	41432	175.00	71544	243.00	33440		
105.00	37808	179.00	129984	244.00	413824		
107.00	496448	180.00	92552	245.00	56520		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03293.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	04-Oct-2009 10:01:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Misc. Info.:	3620C DPA		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	49846	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\8270NDMA.m		
Last Update:	05-Oct-2009 12:07:07	Calib Date:	04-Oct-2009 14:57:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03302.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	05-Oct-2009 12:07:06

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.725	11.725	0.000	149651		
82 DFTPP	198	12.172	12.172	0.000	329104		A
86 Benzidine	184	13.196	13.196	0.000	383789		
88 4,4'-DDD	235	13.735	13.735	0.000	7666		
90 4,4'-DDT	235	14.028	14.028	0.000	468317		

QC Flag Legend

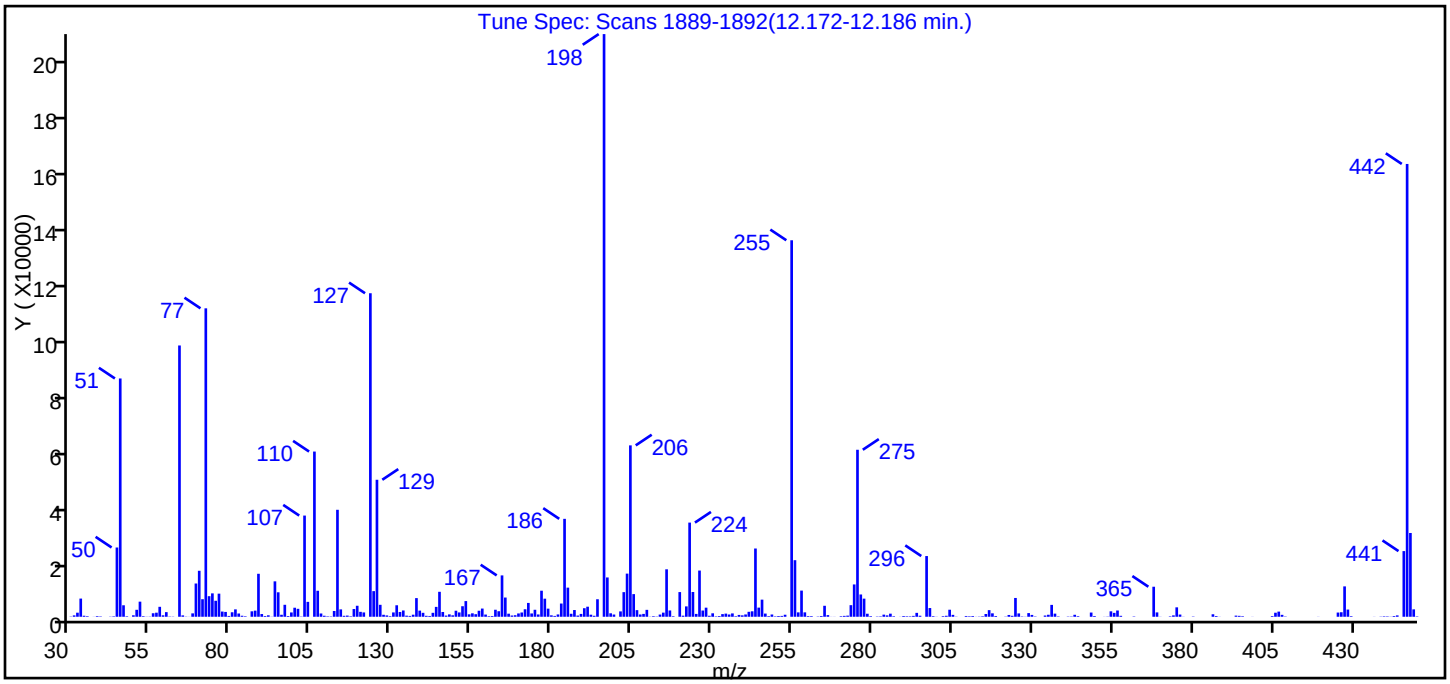
Review Flags
A - User Assigned ID

Chrom Revision: 1.1 01-Oct-2009 08:19:20

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03293.D		
Inj Date:	04-Oct-2009 10:01:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49846	Lims Sample ID:	1
Client ID:		Instrument:	Inst. J
Sample Info:	dftpp		
Sample Amount:	1.00 ul	Operator:	

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	40.90
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	46.56
70	Less than 2.00% of mass 69	0.24 (0.51)
127	40.00 - 60.00% of mass 198	55.53
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	28.66
365	Greater than 1.00% of mass 198	5.16
441	Present, but less than mass 443%	11.27 (78.38)
442	Greater than 40.00% of mass 198	77.71
443	17.00 - 23.00% of mass 442	14.38 (18.50)

Data File: \\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03293.D\8270NDMA.rslt\spectra.d
Injection Date: 04-Oct-2009 10:01:30
Spectrum: Tune Spec: Scans 1889-1892(12.172-12.186 min.)
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 107

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	6498	111.00	9290	180.00	6463	245.00	3269
50.00	24752	117.00	38224	181.00	2903	246.00	6119
51.00	85144	118.00	2637	185.00	4728	255.00	134528
52.00	4106	122.00	2770	186.00	34992	256.00	20216
56.00	2487	123.00	3932	187.00	10407	258.00	9351
57.00	5399	127.00	115600	189.00	2406	265.00	3926
63.00	3557	128.00	9164	192.00	3058	273.00	4145
69.00	96936	129.00	48952	193.00	3596	274.00	11551
74.00	11885	130.00	4273	196.00	6260	275.00	59672
75.00	16432	135.00	4109	198.00	208192	276.00	7965
76.00	6273	137.00	2247	199.00	14047	277.00	6476
77.00	110208	141.00	6666	204.00	8798	296.00	21696
78.00	7355	142.00	2196	205.00	15420	297.00	3119
79.00	8361	147.00	3532	206.00	61240	303.00	2519
80.00	5714	148.00	8922	207.00	8094	315.00	2367
81.00	8259	153.00	2157	208.00	2369	323.00	6718
86.00	2644	155.00	3767	211.00	2472	334.00	4245
92.00	2188	156.00	5602	217.00	16960	354.00	2240
93.00	15361	160.00	2151	218.00	2252	365.00	10733
98.00	12658	161.00	2934	221.00	8822	372.00	3369
99.00	8744	165.00	2509	223.00	3706	423.00	10856
101.00	4279	167.00	14780	224.00	33648	424.00	2574
104.00	3229	168.00	6870	225.00	8851	441.00	23464
105.00	2839	174.00	2679	227.00	16512	442.00	161792
107.00	36160	175.00	4946	228.00	2232	443.00	29936
108.00	5326	177.00	2501	229.00	3251	444.00	2648
110.00	59032	179.00	9313	244.00	24392		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03304.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	04-Oct-2009 16:02:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49847	Lims Sample ID:	12
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\8270NDMA.m		
Last Update:	05-Oct-2009 12:08:22	Calib Date:	04-Oct-2009 14:57:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03302.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	05-Oct-2009 12:08:22

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

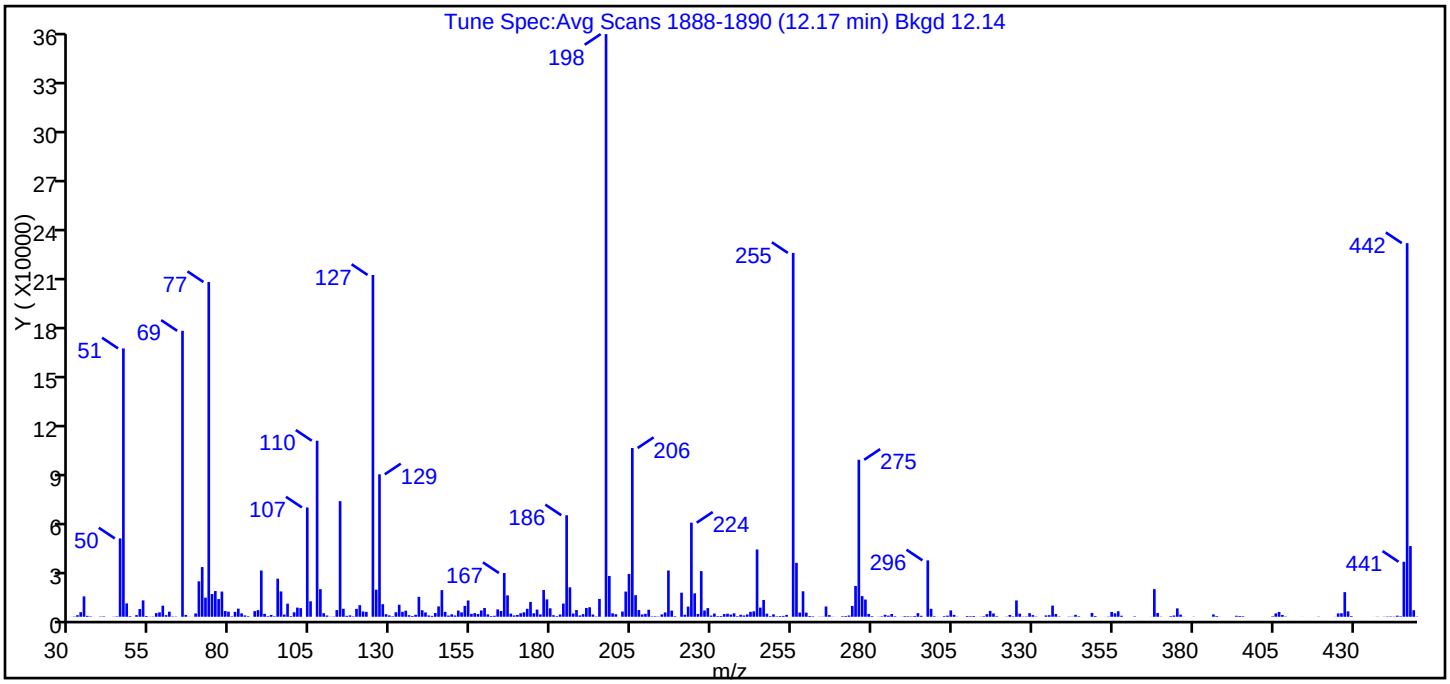
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.726	11.724	0.002	193416		
82 DFTPP	198	12.173	12.173	0.000	368194		
86 Benzidine	184	13.197	13.195	0.002	453884		
88 4,4'-DDD	235	14.029	13.974	0.055	517903		

Chrom Revision: 1.1 01-Oct-2009 08:19:20

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03304.D		
Inj Date:	04-Oct-2009 16:02:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49847	Lims Sample ID:	12
Client ID:		Instrument:	Inst. J
Sample Info:	dftpp		
Sample Amount:	1.00 ul	Operator:	

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	46.06
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	49.08
70	Less than 2.00% of mass 69	0.31 (0.63)
127	40.00 - 60.00% of mass 198	58.66
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.01
275	10.00 - 30.00% of mass 198	26.94
365	Greater than 1.00% of mass 198	4.74
441	Present, but less than mass 443%	9.44 (77.84)
442	Greater than 40.00% of mass 198	64.13
443	17.00 - 23.00% of mass 442	12.13 (18.92)

Data File: \\wessvr06\chromdata\INSTJ.i\20091005-2.b\J03304.D\8270NDMA.rslt\spectra.d
Injection Date: 04-Oct-2009 16:02:30
Spectrum: Tune Spec:Avg Scans 1888-1890 (12.17 min) Bkgd 12.14
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 106

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	12391	111.00	16752	179.00	16229	244.00	40848
50.00	47576	116.00	4065	180.00	10550	245.00	5566
51.00	162944	117.00	70208	181.00	5147	246.00	10214
52.00	8115	118.00	4874	185.00	8003	255.00	220928
56.00	4732	122.00	4812	186.00	61632	256.00	32736
57.00	9950	123.00	7036	187.00	17888	258.00	15476
63.00	6730	127.00	207552	189.00	4078	265.00	6246
69.00	173632	128.00	16440	192.00	5346	273.00	6574
74.00	21520	129.00	86496	193.00	5783	274.00	18712
75.00	30176	130.00	7639	196.00	10848	275.00	95320
76.00	11604	135.00	7315	198.00	353792	276.00	12565
77.00	203264	137.00	3707	199.00	24784	277.00	10465
78.00	13805	141.00	12104	204.00	15287	296.00	34248
79.00	15633	142.00	3961	205.00	26016	297.00	4829
80.00	10737	147.00	6296	206.00	102464	303.00	3859
81.00	15300	148.00	16173	207.00	13129	315.00	3563
86.00	4922	153.00	3780	208.00	4081	323.00	9905
92.00	4026	155.00	6585	211.00	4258	334.00	6782
93.00	28080	156.00	9893	217.00	28096	365.00	16784
98.00	23128	160.00	3850	218.00	3747	372.00	5090
99.00	15380	161.00	5343	221.00	14619	423.00	14953
101.00	7980	165.00	4490	223.00	6172	441.00	33408
104.00	5561	167.00	26568	224.00	57136	442.00	226880
105.00	5247	168.00	12988	225.00	14231	443.00	42920
107.00	66376	174.00	4843	227.00	27720	444.00	3967
108.00	9392	175.00	8994	228.00	3812		
110.00	106904	177.00	4378	229.00	5266		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: | Lab Sample ID: MB 360-48742/1-A

Matrix: Solid | Lab File ID: B10411.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/09/2009 09:58

Sample wt/vol: 30.00(g) | Date Analyzed: 09/18/2009 21:51

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

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

Analysis Batch No.: 49189 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		33	10
120-82-1	1,2,4-Trichlorobenzene	ND		33	10
120-82-1	1,2,4-Trichlorobenzene	ND		33	10
95-50-1	1,2-Dichlorobenzene	ND		33	10
95-50-1	1,2-Dichlorobenzene	ND		33	10
541-73-1	1,3-Dichlorobenzene	ND		33	10
541-73-1	1,3-Dichlorobenzene	ND		33	10
106-46-7	1,4-Dichlorobenzene	ND		33	10
106-46-7	1,4-Dichlorobenzene	ND		33	10
90-12-0	1-Methylnaphthalene	ND		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	ND		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	ND		33	10
95-95-4	2,4,5-Trichlorophenol	ND		33	10
95-95-4	2,4,5-Trichlorophenol	ND		33	10
88-06-2	2,4,6-Trichlorophenol	ND		33	10
88-06-2	2,4,6-Trichlorophenol	ND		33	10
120-83-2	2,4-Dichlorophenol	ND		33	10
120-83-2	2,4-Dichlorophenol	ND		33	10
105-67-9	2,4-Dimethylphenol	ND		33	13
105-67-9	2,4-Dimethylphenol	ND		33	13
51-28-5	2,4-Dinitrophenol	ND		33	10
51-28-5	2,4-Dinitrophenol	ND		33	10
121-14-2	2,4-Dinitrotoluene	ND		33	10
121-14-2	2,4-Dinitrotoluene	ND		33	10
606-20-2	2,6-Dinitrotoluene	ND		33	10
606-20-2	2,6-Dinitrotoluene	ND		33	10
91-58-7	2-Chloronaphthalene	ND		33	10
91-58-7	2-Chloronaphthalene	ND		33	10
95-57-8	2-Chlorophenol	ND		33	10
95-57-8	2-Chlorophenol	ND		33	10
91-57-6	2-Methylnaphthalene	ND		33	10
91-57-6	2-Methylnaphthalene	ND		33	10
95-48-7	2-Methylphenol	ND		33	20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: | Lab Sample ID: MB 360-48742/1-A

Matrix: Solid | Lab File ID: B10411.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/09/2009 09:58

Sample wt/vol: 30.00(g) | Date Analyzed: 09/18/2009 21:51

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

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

Analysis Batch No.: 49189 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-48-7	2-Methylphenol	ND		33	20
88-74-4	2-Nitroaniline	ND		170	10
88-74-4	2-Nitroaniline	ND		170	10
88-75-5	2-Nitrophenol	ND		33	10
88-75-5	2-Nitrophenol	ND		33	10
15831-10-4	3 & 4 Methylphenol	ND		33	10
15831-10-4	3 & 4 Methylphenol	ND		33	10
91-94-1	3,3'-Dichlorobenzidine	ND		67	10
91-94-1	3,3'-Dichlorobenzidine	ND		67	10
99-09-2	3-Nitroaniline	ND		170	10
99-09-2	3-Nitroaniline	ND		170	10
534-52-1	4,6-Dinitro-2-methylphenol	ND		170	10
534-52-1	4,6-Dinitro-2-methylphenol	ND		170	10
101-55-3	4-Bromophenyl phenyl ether	ND		33	10
101-55-3	4-Bromophenyl phenyl ether	ND		33	10
59-50-7	4-Chloro-3-methylphenol	ND		67	10
59-50-7	4-Chloro-3-methylphenol	ND		67	10
106-47-8	4-Chloroaniline	ND		67	10
106-47-8	4-Chloroaniline	ND		67	10
7005-72-3	4-Chlorophenyl phenyl ether	ND		33	10
7005-72-3	4-Chlorophenyl phenyl ether	ND		33	10
100-01-6	4-Nitroaniline	ND		170	10
100-01-6	4-Nitroaniline	ND		170	10
100-02-7	4-Nitrophenol	ND		170	10
100-02-7	4-Nitrophenol	ND		170	10
83-32-9	Acenaphthene	ND		33	10
83-32-9	Acenaphthene	ND		33	10
208-96-8	Acenaphthylene	ND		33	10
208-96-8	Acenaphthylene	ND		33	10
98-86-2	Acetophenone	ND		33	10
98-86-2	Acetophenone	ND		33	10
62-53-3	Aniline	ND		33	10
62-53-3	Aniline	ND		33	10
120-12-7	Anthracene	ND		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2
SDG No.: OCRI-09A
Client Sample ID: | Lab Sample ID: MB 360-48742/1-A
Matrix: Solid | Lab File ID: B10411.D
Analysis Method: 8270C LL | Date Collected:
Extract. Method: 3546 | Date Extracted: 09/09/2009 09:58
Sample wt/vol: 30.00(g) | Date Analyzed: 09/18/2009 21:51
Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1
Injection Volume: | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 49189 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-12-7	Anthracene	ND		33	10
1912-24-9	Atrazine	ND		33	10
103-33-3	Azobenzene	ND		33	10
100-52-7	Benzaldehyde	ND		33	10
56-55-3	Benzo[a]anthracene	ND		33	10
56-55-3	Benzo[a]anthracene	ND		33	10
50-32-8	Benzo[a]pyrene	ND		33	10
50-32-8	Benzo[a]pyrene	ND		33	10
205-99-2	Benzo[b]fluoranthene	ND		33	10
205-99-2	Benzo[b]fluoranthene	ND		33	10
191-24-2	Benzo[g,h,i]perylene	ND		33	10
191-24-2	Benzo[g,h,i]perylene	ND		33	10
207-08-9	Benzo[k]fluoranthene	ND		33	10
207-08-9	Benzo[k]fluoranthene	ND		33	10
65-85-0	Benzoic acid	44.0	J	170	15
65-85-0	Benzoic acid	54.0	J	170	15
119-61-9	Benzophenone	ND		33	10
100-51-6	Benzyl alcohol	ND		67	28
100-51-6	Benzyl alcohol	ND		67	28
111-91-1	Bis(2-chloroethoxy)methane	ND		33	10
111-91-1	Bis(2-chloroethoxy)methane	ND		33	10
111-44-4	Bis(2-chloroethyl)ether	ND		33	10
111-44-4	Bis(2-chloroethyl)ether	ND		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	ND		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	ND		33	10
85-68-7	Butyl benzyl phthalate	ND		33	10
85-68-7	Butyl benzyl phthalate	ND		33	10
105-60-2	Caprolactam	ND		33	10
86-74-8	Carbazole	ND		33	10
86-74-8	Carbazole	ND		33	10
218-01-9	Chrysene	ND		33	10
218-01-9	Chrysene	ND		33	10
53-70-3	Dibenz(a,h)anthracene	ND		33	10
53-70-3	Dibenz(a,h)anthracene	ND		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: | Lab Sample ID: MB 360-48742/1-A

Matrix: Solid | Lab File ID: B10411.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/09/2009 09:58

Sample wt/vol: 30.00(g) | Date Analyzed: 09/18/2009 21:51

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

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

Analysis Batch No.: 49189 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
132-64-9	Dibenzofuran	ND		33	10
132-64-9	Dibenzofuran	ND		33	10
84-66-2	Diethyl phthalate	ND		33	10
84-66-2	Diethyl phthalate	ND		33	10
131-11-3	Dimethyl phthalate	ND		33	10
131-11-3	Dimethyl phthalate	ND		33	10
84-74-2	Di-n-butyl phthalate	86.9		33	29
84-74-2	Di-n-butyl phthalate	86.9		33	29
117-84-0	Di-n-octyl phthalate	ND		33	17
117-84-0	Di-n-octyl phthalate	ND		33	17
101-84-8	Diphenyl oxide	ND		33	10
206-44-0	Fluoranthene	ND		33	10
206-44-0	Fluoranthene	ND		33	10
86-73-7	Fluorene	ND		33	10
86-73-7	Fluorene	ND		33	10
118-74-1	Hexachlorobenzene	ND		33	10
118-74-1	Hexachlorobenzene	ND		33	10
87-68-3	Hexachlorobutadiene	ND		33	10
87-68-3	Hexachlorobutadiene	ND		33	10
77-47-4	Hexachlorocyclopentadiene	ND		67	10
77-47-4	Hexachlorocyclopentadiene	ND		67	10
67-72-1	Hexachloroethane	ND		33	10
67-72-1	Hexachloroethane	ND		33	10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		33	10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		33	10
78-59-1	Isophorone	ND		33	10
78-59-1	Isophorone	ND		33	10
91-20-3	Naphthalene	ND		80	10
91-20-3	Naphthalene	ND		80	10
98-95-3	Nitrobenzene	ND		33	10
98-95-3	Nitrobenzene	ND		33	10
62-75-9	N-Nitrosodimethylamine	ND		33	12
62-75-9	N-Nitrosodimethylamine	ND		33	12
621-64-7	N-Nitrosodi-n-propylamine	ND		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: | Lab Sample ID: MB 360-48742/1-A

Matrix: Solid | Lab File ID: B10411.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/09/2009 09:58

Sample wt/vol: 30.00(g) | Date Analyzed: 09/18/2009 21:51

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

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

Analysis Batch No.: 49189 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
621-64-7	N-Nitrosodi-n-propylamine	ND		33	10
86-30-6	N-Nitrosodiphenylamine	ND		33	10
86-30-6	N-Nitrosodiphenylamine	ND		33	10
87-86-5	Pentachlorophenol	ND		33	10
87-86-5	Pentachlorophenol	ND		33	10
85-01-8	Phenanthrene	ND		40	10
85-01-8	Phenanthrene	ND		40	10
108-95-2	Phenol	ND		33	10
108-95-2	Phenol	ND		33	10
129-00-0	Pyrene	ND		33	10
129-00-0	Pyrene	ND		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	77	30-130	
321-60-8	2-Fluorobiphenyl	72	30-130	
367-12-4	2-Fluorophenol	84	30-130	
4165-60-0	Nitrobenzene-d5	76	30-130	
4165-62-2	Phenol-d5	83	30-130	
1718-51-0	Terphenyl-d14	82	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: | Lab Sample ID: MB 360-48742/1-A

Matrix: Solid | Lab File ID: B10411.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/09/2009 09:58

Sample wt/vol: 30.00(g) | Date Analyzed: 09/18/2009 21:51

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

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

Analysis Batch No.: 49189 | Units: ug/Kg

Number TICs Found: 6 | TIC Result Total: 110.54

CAS NO.	COMPOUND NAME	RT	RESULT	Q
621-59-0	Benzaldehyde, 3-hydroxy-4-methoxy-	10.24	13.8	T J N
111-82-0	Dodecanoic acid, methyl ester	10.68	11.8	T J N
615-22-5	Benzothiazole, 2-(methylthio)-	11.28	9.34	T J N
593-45-3	Octadecane	11.78	42.2	T J N
1000143-92-4	7,9-Di-tert-butyl-1-oxaspiro(4,5)deca-6,	12.29	12.7	T J N
112-95-8	Eicosane	12.53	20.7	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10411.D		
Lims ID:	MB 360-48742/1-A	Client ID:	
Inject. Date:	18-Sep-2009 21:51:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-48742/1-a		
Misc. Info.:	360-0001228-012		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	12
Lims Batch ID:	49189	Lims Sample ID:	12
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\8270B.m		
Last Update:	23-Sep-2009 08:58:03	Calib Date:	18-Sep-2009 20:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10409.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	21-Sep-2009 14:56:54
Reviewed By:	sullivanp	Date:	23-Sep-2009 09:00:26

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.121	8.113	0.008	497766	2.00	
* 2 Naphthalene-d8	136	9.236	9.243	-0.007	1210958	2.00	
* 3 Acenaphthene-d10	164	10.742	10.749	-0.007	604478	2.00	
* 4 Phenanthrene-d10	188	12.016	12.018	-0.002	1012773	2.00	
* 5 Chrysene-d12	240	15.728	15.735	-0.007	741392	2.00	
* 6 Perylene-d12	264	18.301	18.308	-0.007	435199	2.00	
$ 7 2-Fluorophenol	112	6.904	6.863	0.041	1146494	8.41	
$ 8 Phenol-d5	99	7.741	7.729	0.012	1353775	8.27	
$ 9 Nitrobenzene-d5	82	8.602	8.604	-0.002	602996	3.80	
$ 10 2-Fluorobiphenyl	172	10.131	10.133	-0.002	1354460	3.58	
$ 11 2,4,6-Tribromophenol	330	11.410	11.417	-0.007	255944	7.68	
$ 12 Terphenyl-d14	244	13.747	13.749	-0.002	1097047	4.08	
36 Benzoic acid	105	8.905	8.938	-0.033	23031	1.62	
66 Diethyl phthalate	149	11.021	11.027	-0.006	12746	0.0346	
84 Di-n-butyl phthalate	149	12.430	12.432	-0.002	1519084	2.61	
89 Butyl benzyl phthalate	149	14.517	14.523	-0.006	5995	0.0308	
92 Bis(2-ethylhexyl) phthalate	149	15.603	15.605	-0.002	51470	0.1961	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10411.D		
Lims ID:	MB 360-48742/1-A	Client ID:	
Inject. Date:	18-Sep-2009 21:51:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-48742/1-a		
Misc. Info.:	360-0001228-012		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	12
Lims Batch ID:	49189	Lims Sample ID:	12
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\8270B.m		
Last Update:	23-Sep-2009 08:58:03	Calib Date:	18-Sep-2009 20:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10409.D		
Limit Group:	SMS - 625LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	21-Sep-2009 14:56:54
Reviewed By:	sullivanp	Date:	23-Sep-2009 09:00:26

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.121	8.113	0.008	497766	2.00	
* 2 Naphthalene-d8	136	9.236	9.243	-0.007	1210958	2.00	
* 3 Acenaphthene-d10	164	10.742	10.749	-0.007	604478	2.00	
* 4 Phenanthrene-d10	188	12.016	12.018	-0.002	1012773	2.00	
* 5 Chrysene-d12	240	15.728	15.735	-0.007	741392	2.00	
* 6 Perylene-d12	264	18.301	18.308	-0.007	435199	2.00	
$ 7 2-Fluorophenol	112	6.904	6.863	0.041	1146494	8.41	
$ 8 Phenol-d5	99	7.741	7.729	0.012	1353775		
$ 9 Nitrobenzene-d5	82	8.602	8.604	-0.002	602996	3.84	
$ 10 2-Fluorobiphenyl	172	10.131	10.133	-0.002	1354460	3.58	
$ 11 2,4,6-Tribromophenol	330	11.410	11.417	-0.007	255944	7.68	
$ 12 Terphenyl-d14	244	13.747	13.749	-0.002	1097047	4.08	
36 Benzoic acid	105	8.905	8.938	-0.033	23031	1.32	
66 Diethyl phthalate	149	11.021	11.027	-0.006	12746	0.0346	
84 Di-n-butyl phthalate	149	12.430	12.432	-0.002	1519084	2.61	
89 Butyl benzyl phthalate	149	14.517	14.523	-0.006	5995	0.0308	
92 Bis(2-ethylhexyl) phthalate	149	15.603	15.605	-0.002	51470	0.1961	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10411.D		
Lims ID:	MB 360-48742/1-A	Client ID:	
Inject. Date:	18-Sep-2009 21:51:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-48742/1-a		
Misc. Info.:	360-0001228-012		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	12
Lims Batch ID:	49189	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\8270B.m		
Last Update:	23-Sep-2009 08:58:03	Calib Date:	18-Sep-2009 20:49:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	21-Sep-2009 14:56:54
Reviewed By:	sullivanp	Date:	23-Sep-2009 09:00:26

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
621-59-0 Benzaldehyde, 3-hydroxy-4-methoxy-						
10.242	547277	0.4128	3	97	67910	
111-82-0 Dodecanoic acid, methyl ester						
10.679	469968	0.3545	3	95	115462	
615-22-5 Benzothiazole, 2-(methylthio)-						
11.275	371475	0.2802	3	98	77800	
593-45-3 Octadecane						
11.776	1709774	1.27	4	98	112330	
1000143-92-4 7,9-Di-tert-butyl-1-oxaspiro(4,5)deca-6,						
12.285	514655	0.3815	4	86	17969	
112-95-8 Eicosane						
12.526	839167	0.6220	4	99	112344	

Quantitation Compounds

Compound	RT	Response	Amount ug/mL
* 3 Acenaphthene-d10	10.742	2651609	2.00
* 4 Phenanthrene-d10	12.016	2698282	2.00

QC Flag Legend

Processing Flags

Report Date: 23-Sep-2009 09:00:29 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10411.D

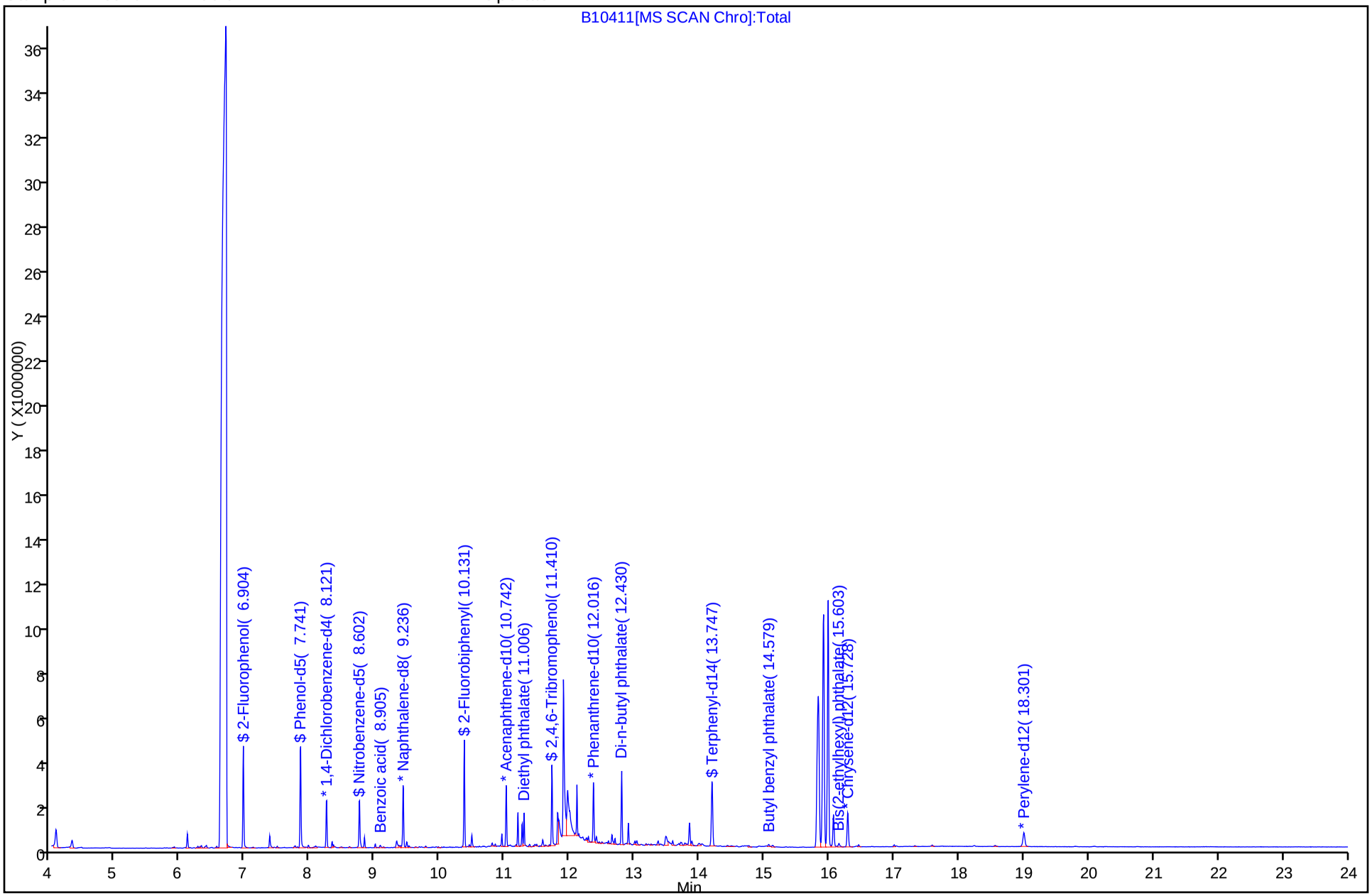
Inj Date: 18-Sep-2009 21:51:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49189 Lims Sample ID: 12

Client ID: Instrument: Inst. B

Sample Info: mb 360-48742/1-a

Sample Amount: 2.00 uL Operator: MZ



Report Date: 23-Sep-2009 09:00:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10411.D

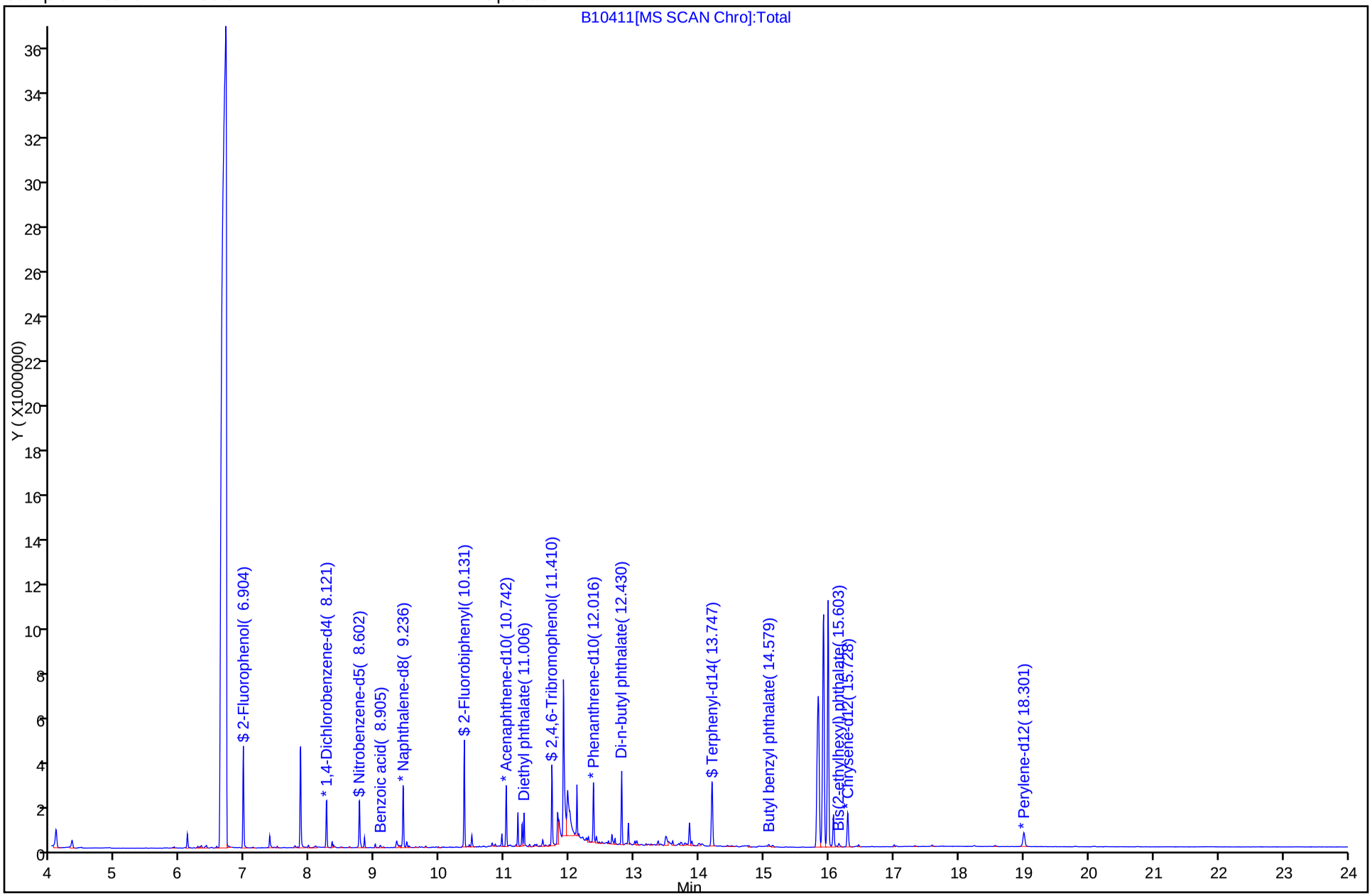
Inj Date: 18-Sep-2009 21:51:30 Limit Group: SMS - 625LL SVOA Calibration

Lims Batch ID: 49189 Lims Sample ID: 12

Client ID: Instrument: Inst. B

Sample Info: mb 360-48742/1-a

Sample Amount: 2.00 uL Operator: MZ



Report Date: 23-Sep-2009 09:00:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10411.D

Inj Date: 18-Sep-2009 21:51:30 Limit Group: SMS - 625LL SVOA Calibration

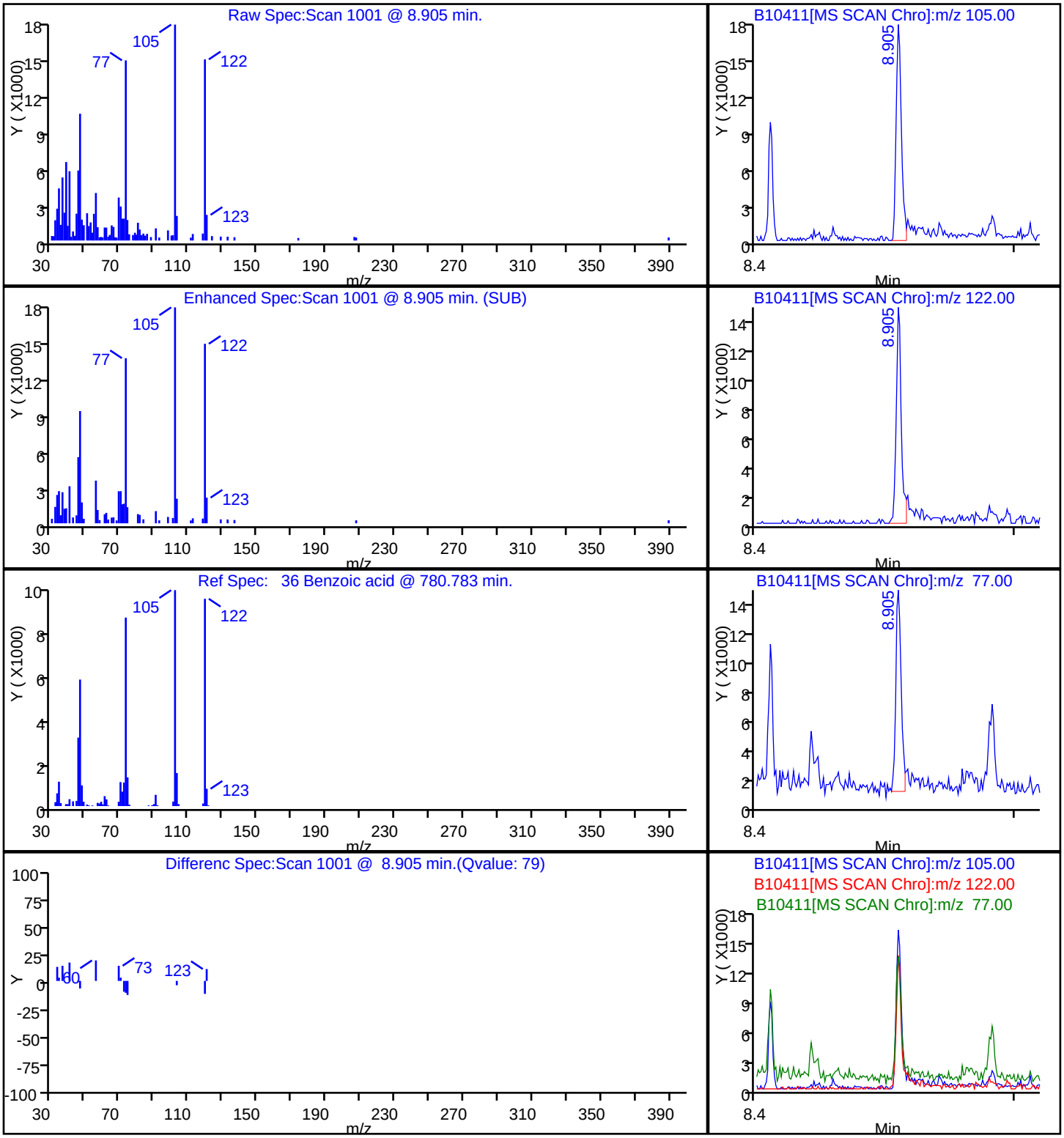
Lims Batch ID: 49189 Lims Sample ID: 12

Client ID: Instrument: Inst. B

Sample Info: mb 360-48742/1-a

Sample Amount: 2.00 uL Operator: MZ

36 Benzoic acid



Report Date: 23-Sep-2009 09:00:30 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10411.D

Inj Date: 18-Sep-2009 21:51:30 Limit Group: SMS - 8270LL SVOA Calibration

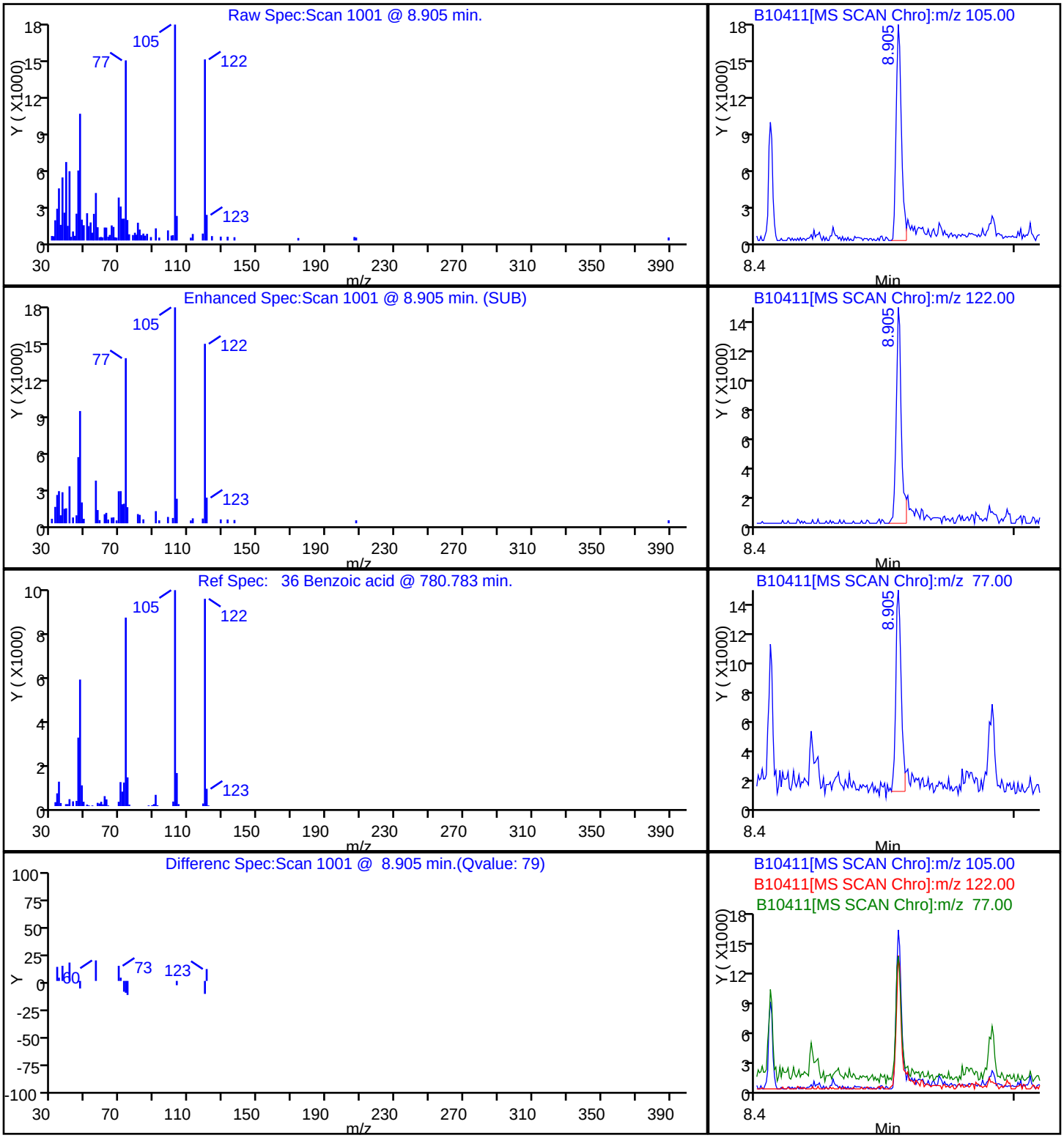
Lims Batch ID: 49189 Lims Sample ID: 12

Client ID: Instrument: Inst. B

Sample Info: mb 360-48742/1-a

Sample Amount: 2.00 uL Operator: MZ

36 Benzoic acid



Report Date: 23-Sep-2009 09:00:32 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10411.D

Inj Date: 18-Sep-2009 21:51:30 Limit Group: SMS - 8270LL SVOA Calibration

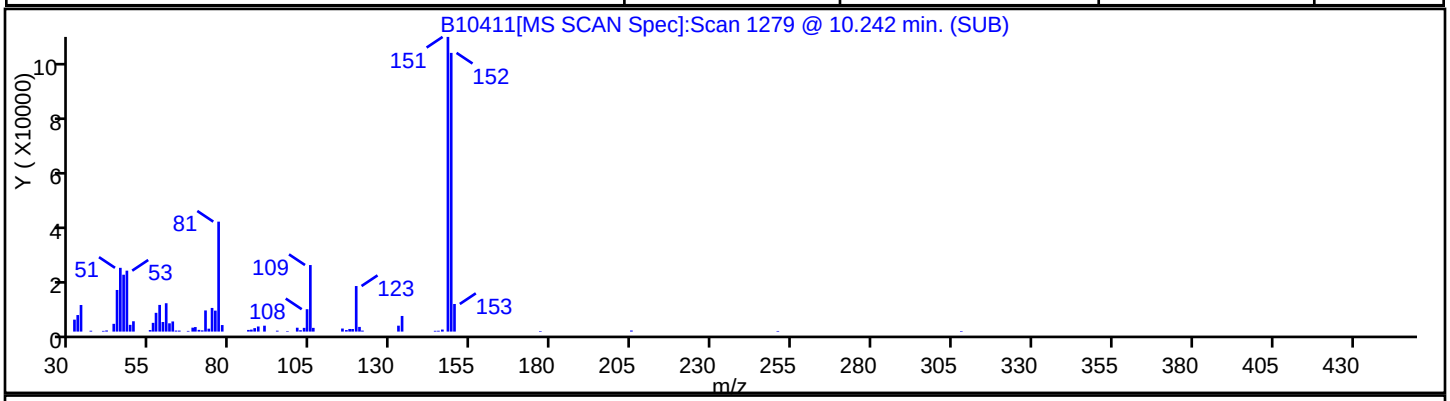
Lims Batch ID: 49189 Lims Sample ID: 12

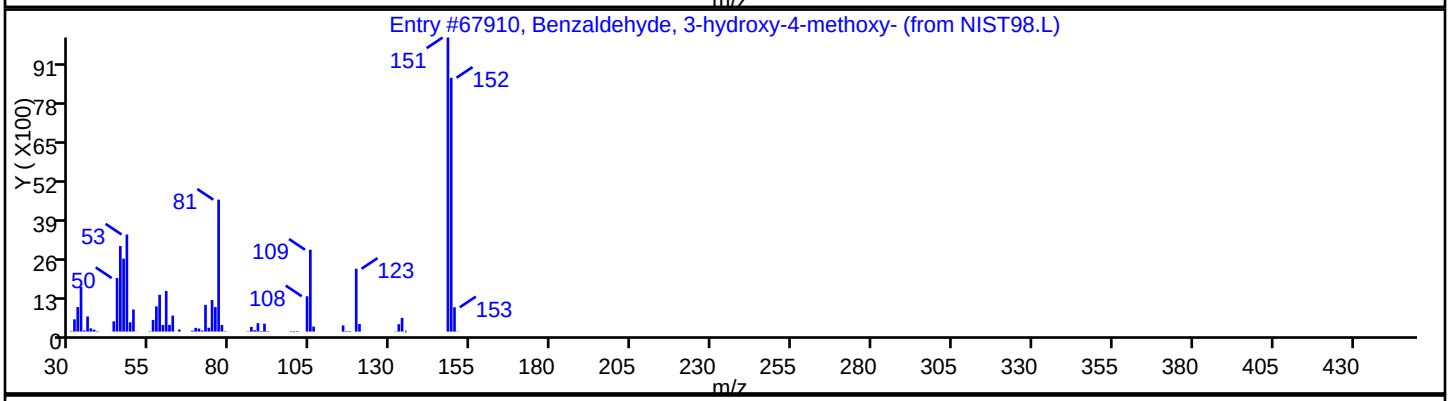
Client ID: Instrument: Inst. B

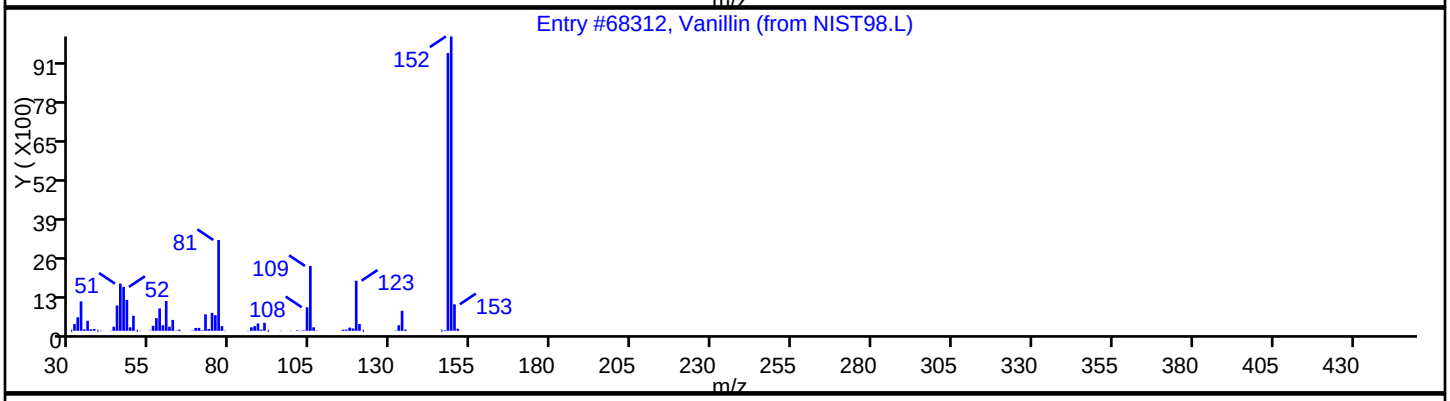
Sample Info: mb 360-48742/1-a

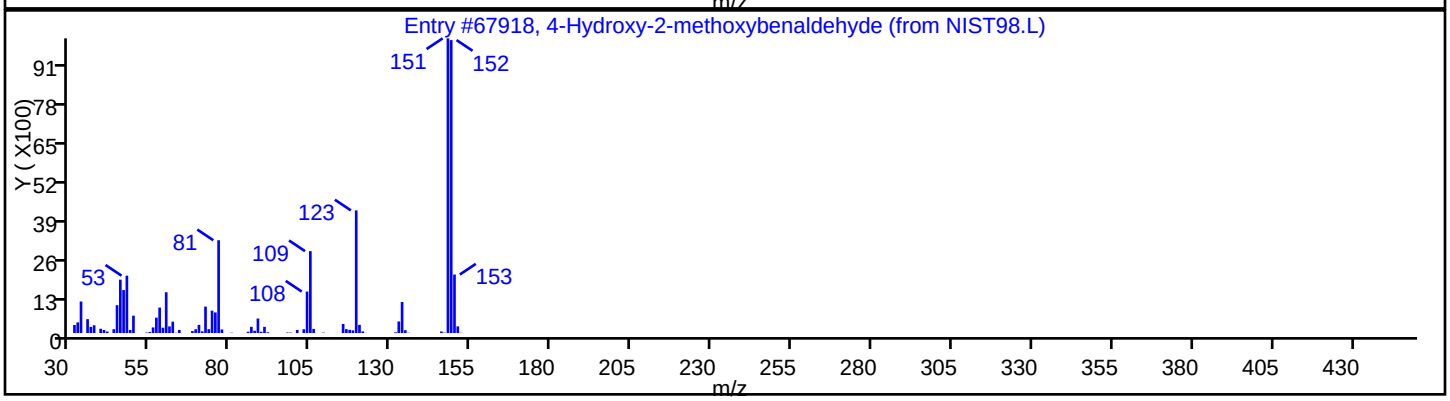
Sample Amount: 2.00 uL Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzaldehyde, 3-hydroxy-4-methoxy-	621-59-0	NIST98.L	67910	97
Vanillin	121-33-5	NIST98.L	68312	97
4-Hydroxy-2-methoxybenaldehyde	18278-34-7	NIST98.L	67918	83









Report Date: 23-Sep-2009 09:00:32 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10411.D

Inj Date: 18-Sep-2009 21:51:30 Limit Group: SMS - 8270LL SVOA Calibration

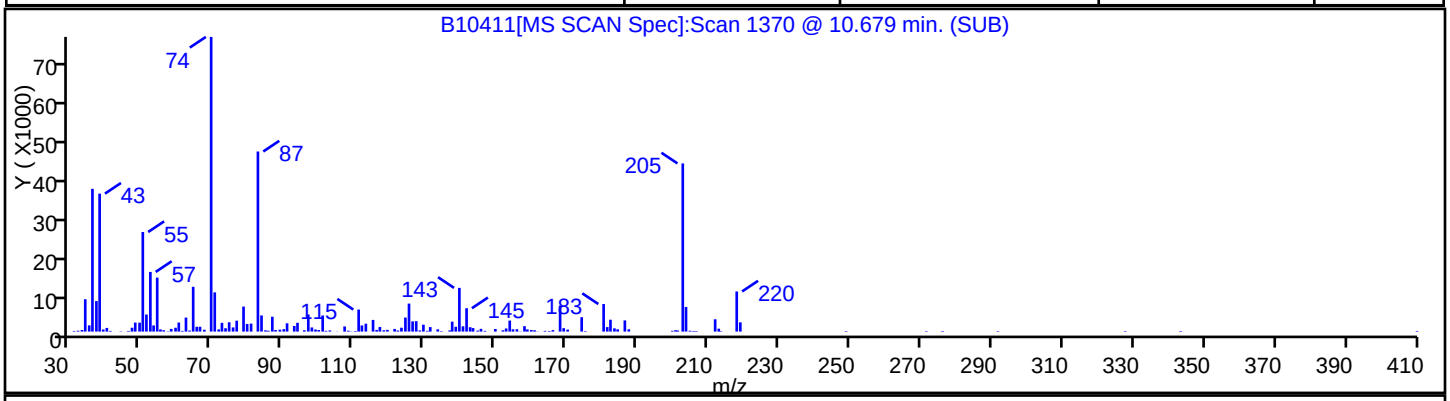
Lims Batch ID: 49189 Lims Sample ID: 12

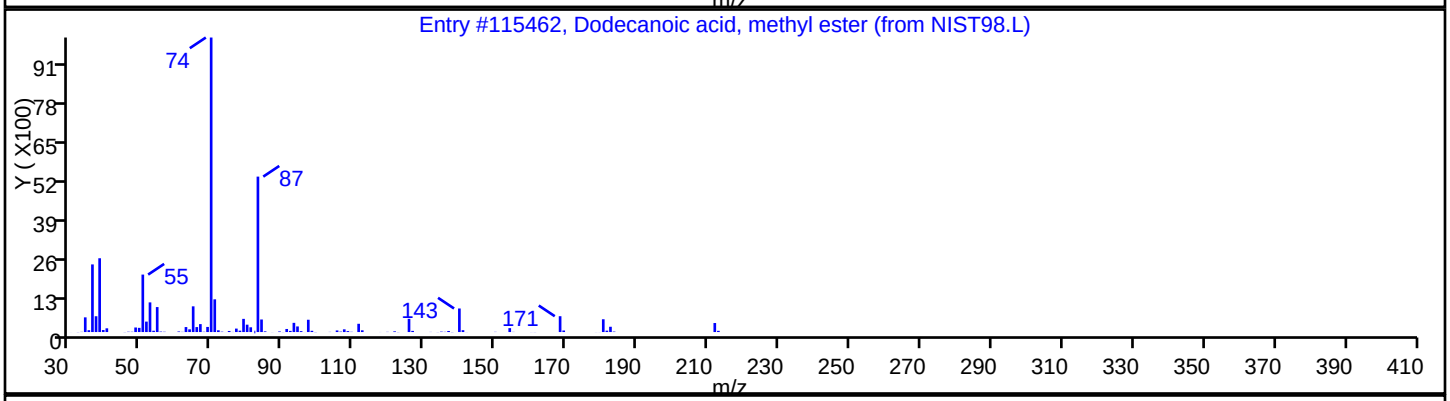
Client ID: Instrument: Inst. B

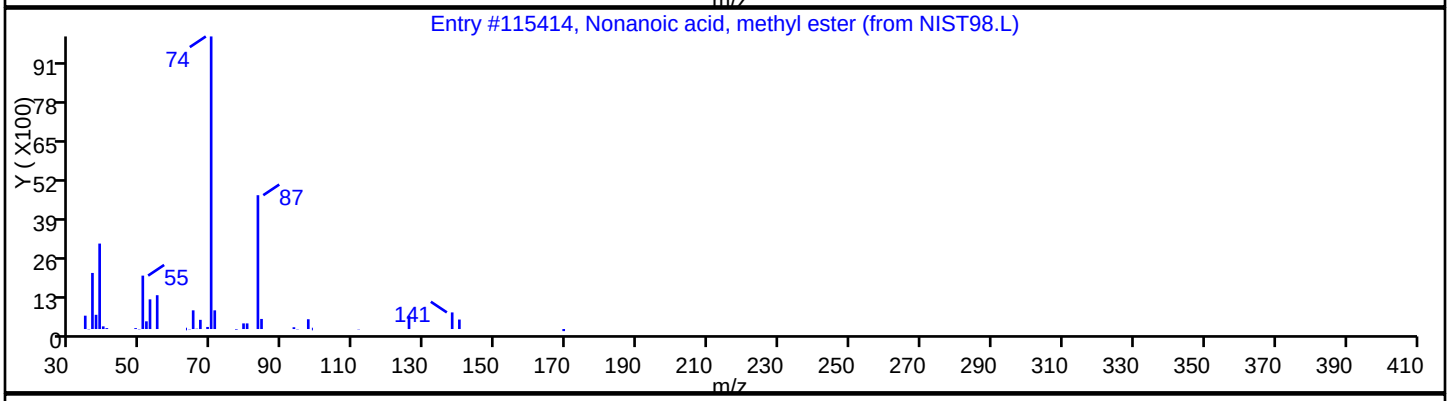
Sample Info: mb 360-48742/1-a

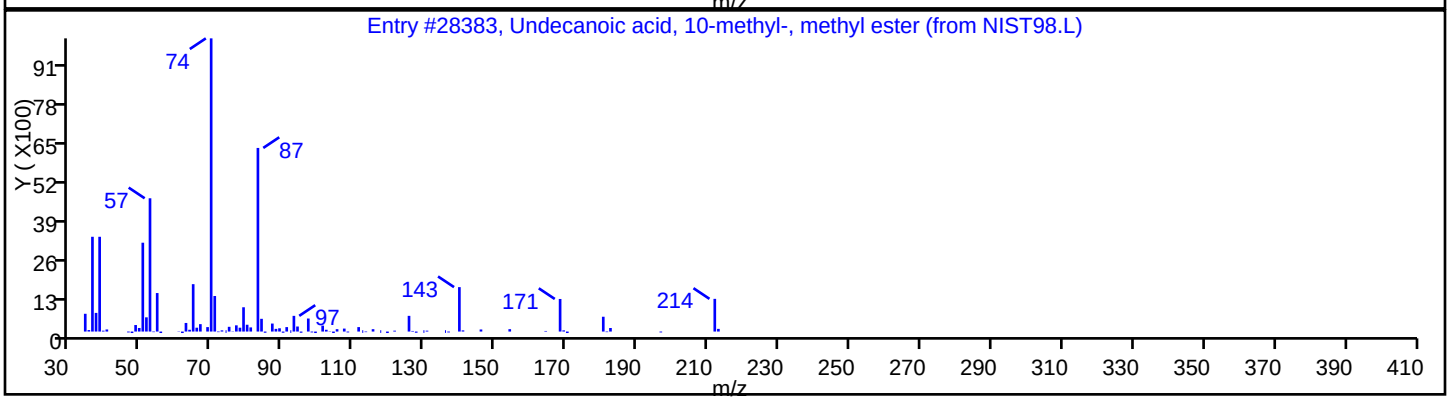
Sample Amount: 2.00 uL Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Dodecanoic acid, methyl ester	111-82-0	NIST98.L	115462	95
Nonanoic acid, methyl ester	1731-84-6	NIST98.L	115414	64
Undecanoic acid, 10-methyl-, methyl este	5129-56-6	NIST98.L	28383	53









Report Date: 23-Sep-2009 09:00:32 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10411.D

Inj Date: 18-Sep-2009 21:51:30 Limit Group: SMS - 8270LL SVOA Calibration

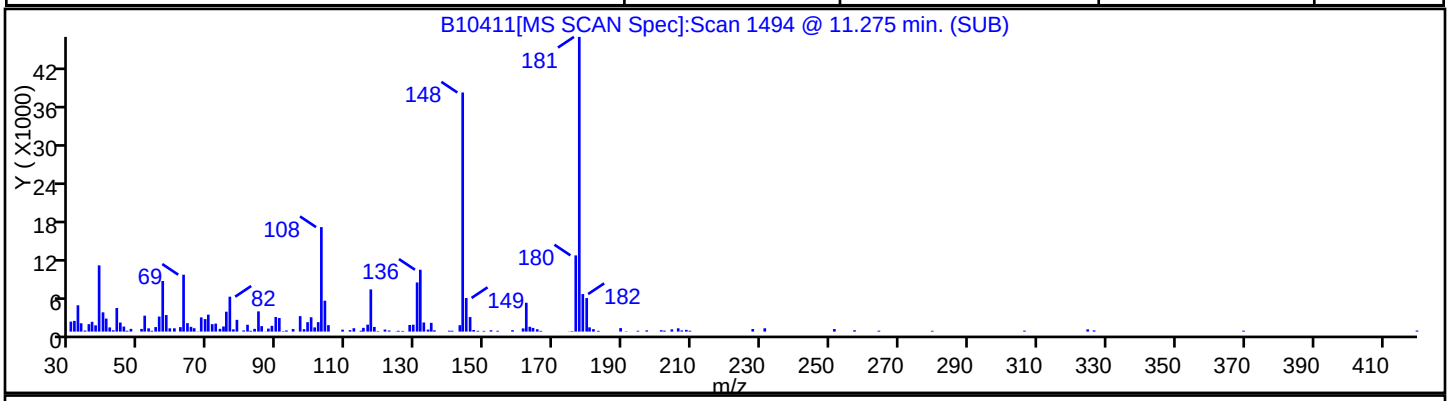
Lims Batch ID: 49189 Lims Sample ID: 12

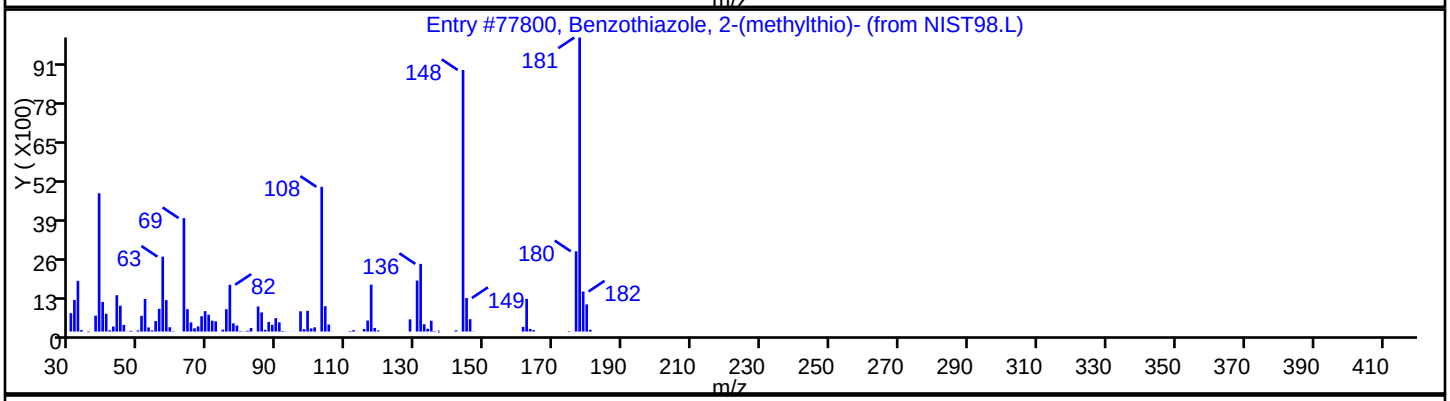
Client ID: Instrument: Inst. B

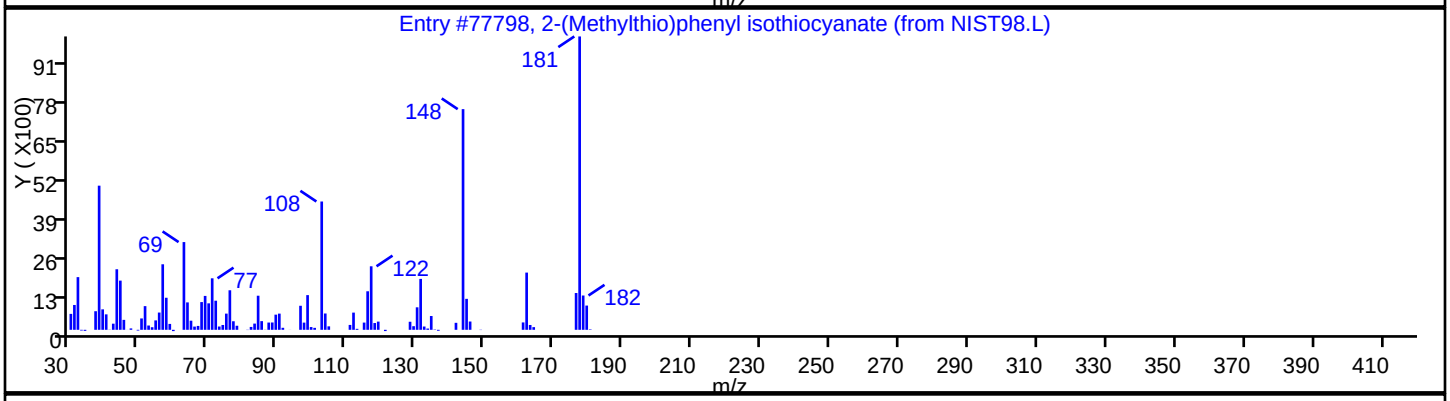
Sample Info: mb 360-48742/1-a

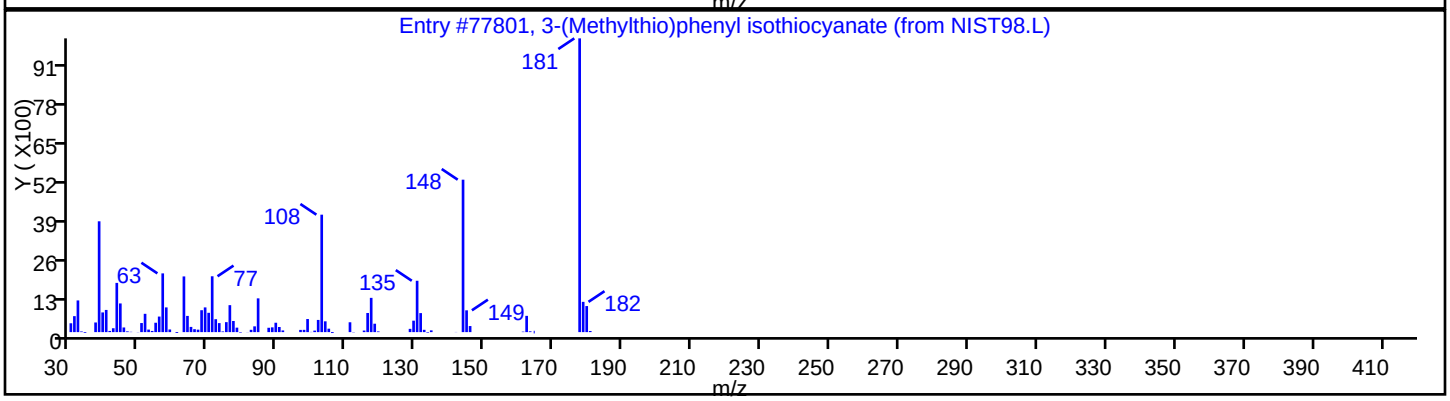
Sample Amount: 2.00 uL Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzothiazole, 2-(methylthio)-	615-22-5	NIST98.L	77800	98
2-(Methylthio)phenyl isothiocyanate	51333-75-6	NIST98.L	77798	80
3-(Methylthio)phenyl isothiocyanate	51333-80-3	NIST98.L	77801	70









Report Date: 23-Sep-2009 09:00:32 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10411.D

Inj Date: 18-Sep-2009 21:51:30 Limit Group: SMS - 8270LL SVOA Calibration

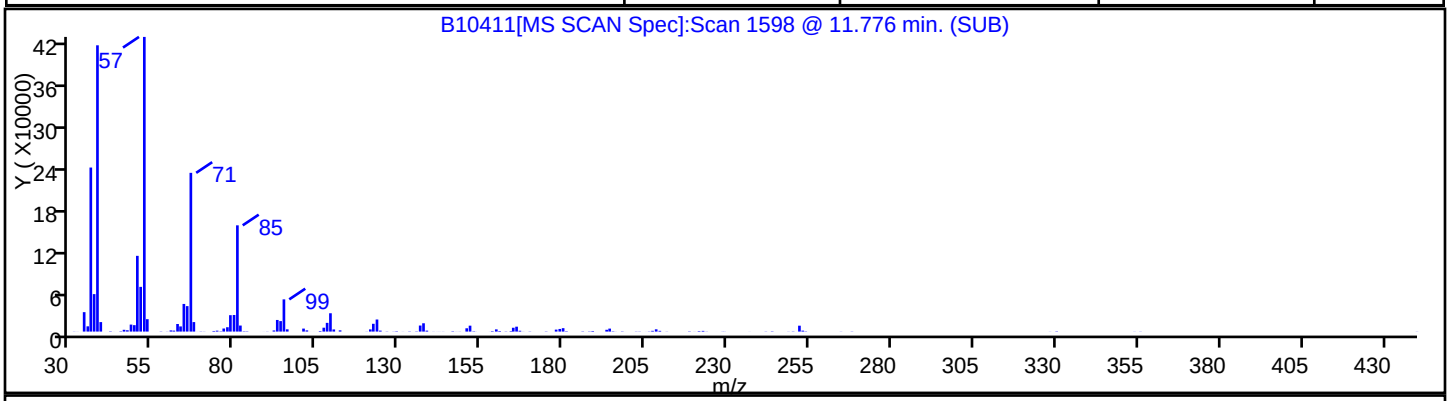
Lims Batch ID: 49189 Lims Sample ID: 12

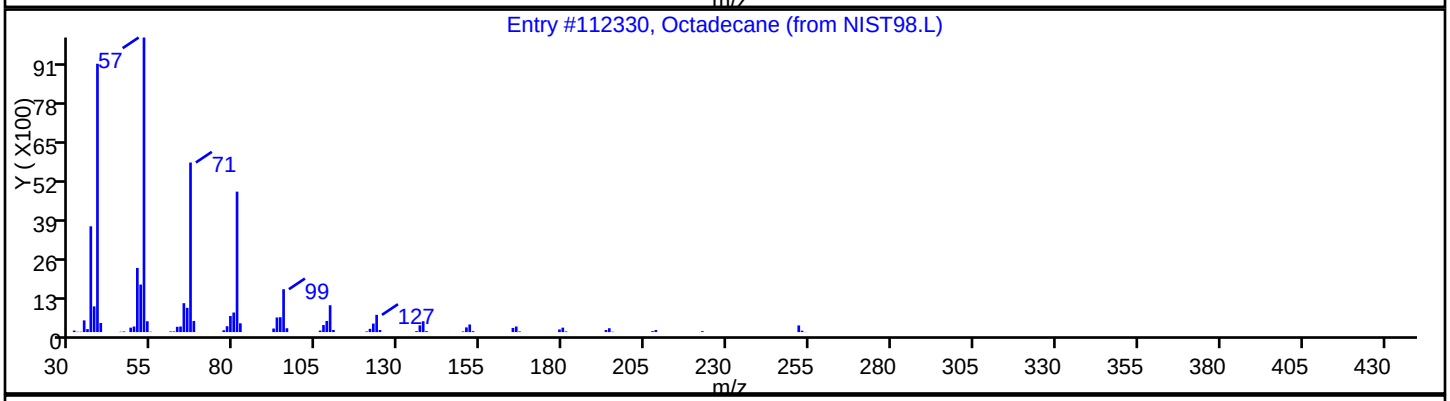
Client ID: Instrument: Inst. B

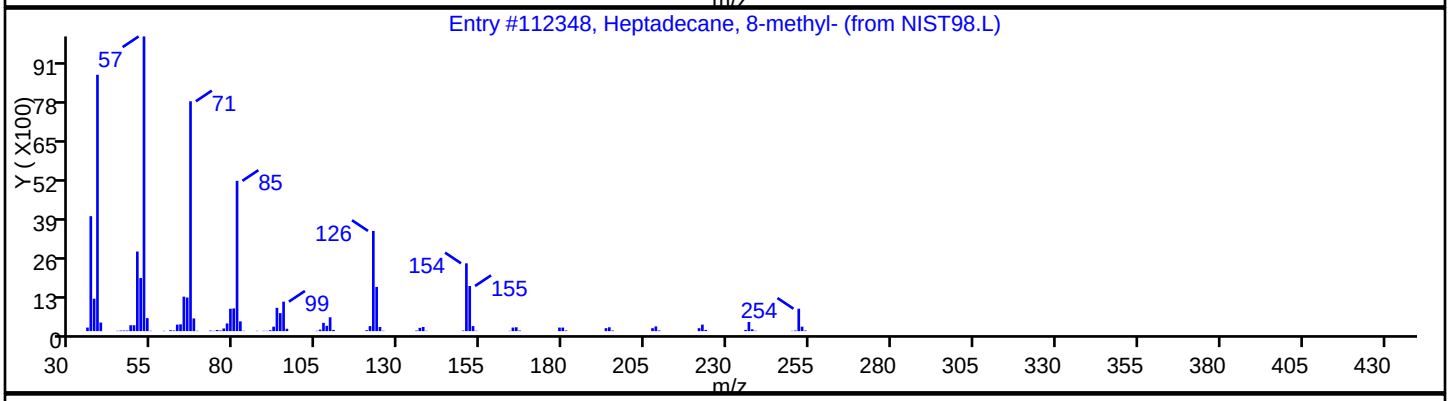
Sample Info: mb 360-48742/1-a

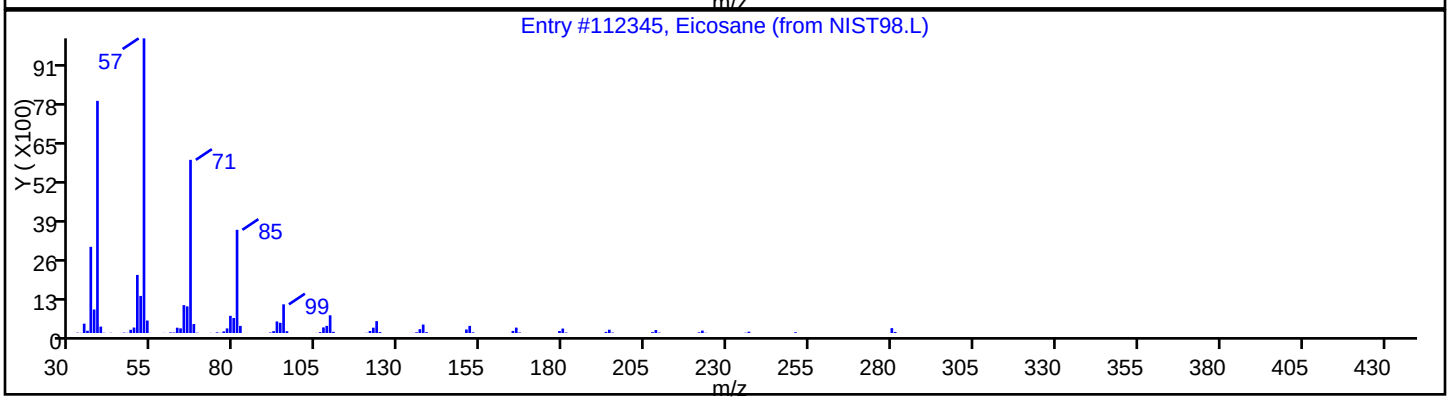
Sample Amount: 2.00 uL Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane	593-45-3	NIST98.L	112330	98
Heptadecane, 8-methyl-	13287-23-5	NIST98.L	112348	93
Eicosane	112-95-8	NIST98.L	112345	91









Report Date: 23-Sep-2009 09:00:32 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10411.D

Inj Date: 18-Sep-2009 21:51:30 Limit Group: SMS - 8270LL SVOA Calibration

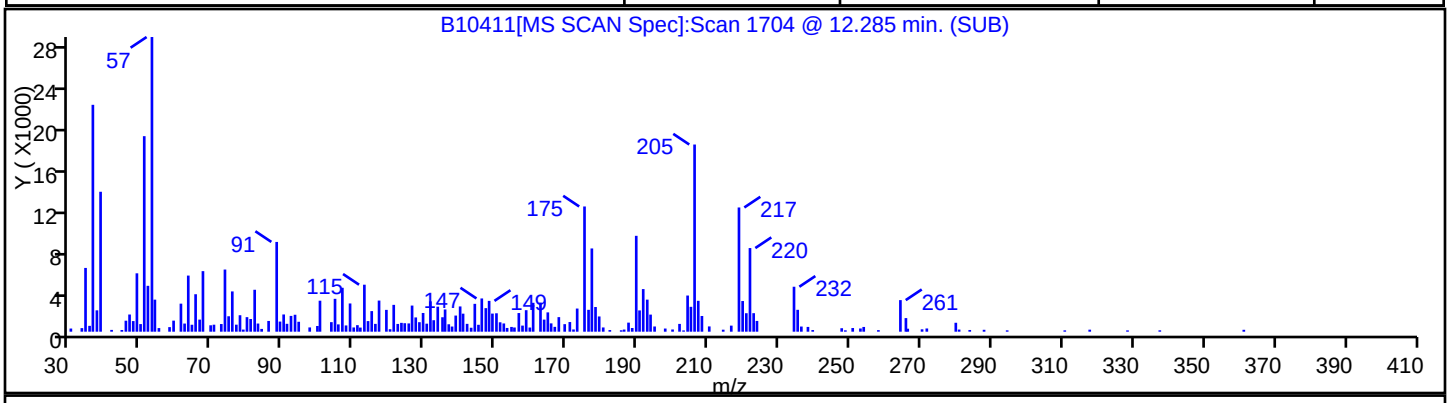
Lims Batch ID: 49189 Lims Sample ID: 12

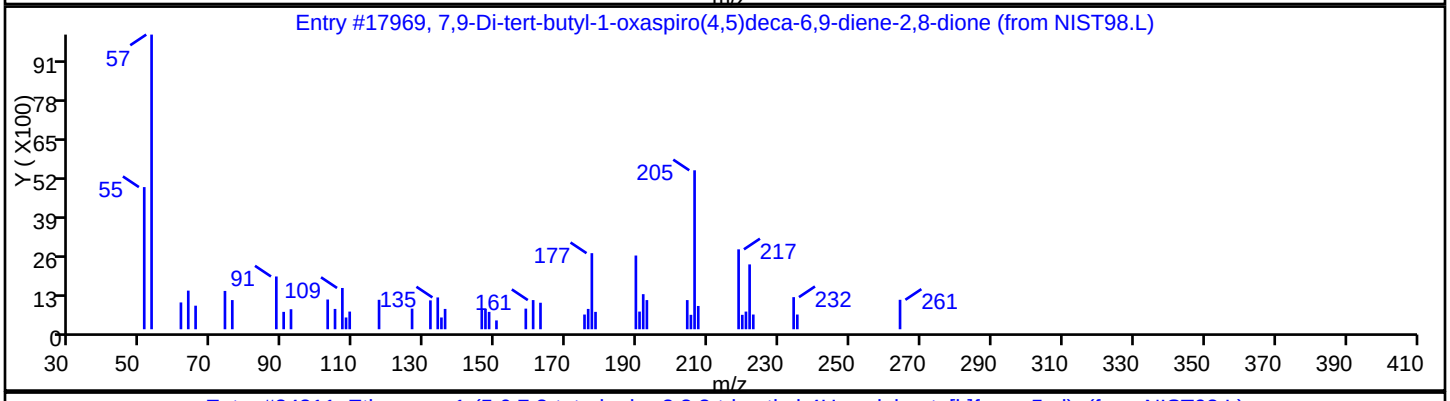
Client ID: Instrument: Inst. B

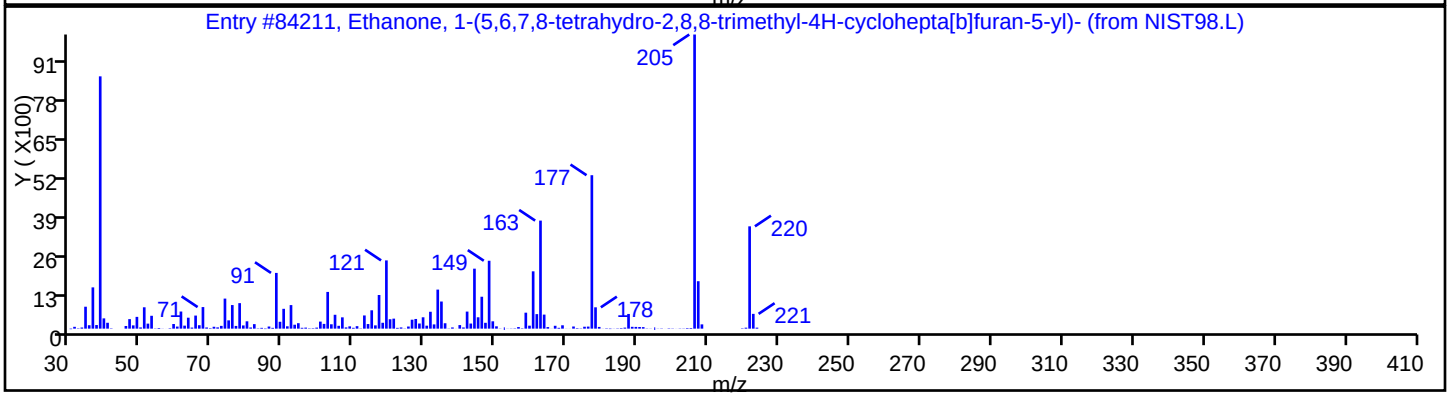
Sample Info: mb 360-48742/1-a

Sample Amount: 2.00 uL Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
7,9-Di-tert-butyl-1-oxaspiro(4,5)deca-6,	1000143-92-4	NIST98.L	17969	86
Ethanone, 1-(5,6,7,8-tetrahydro-2,8,8-tr	71596-88-8	NIST98.L	84211	59







Report Date: 23-Sep-2009 09:00:32 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10411.D

Inj Date: 18-Sep-2009 21:51:30 Limit Group: SMS - 8270LL SVOA Calibration

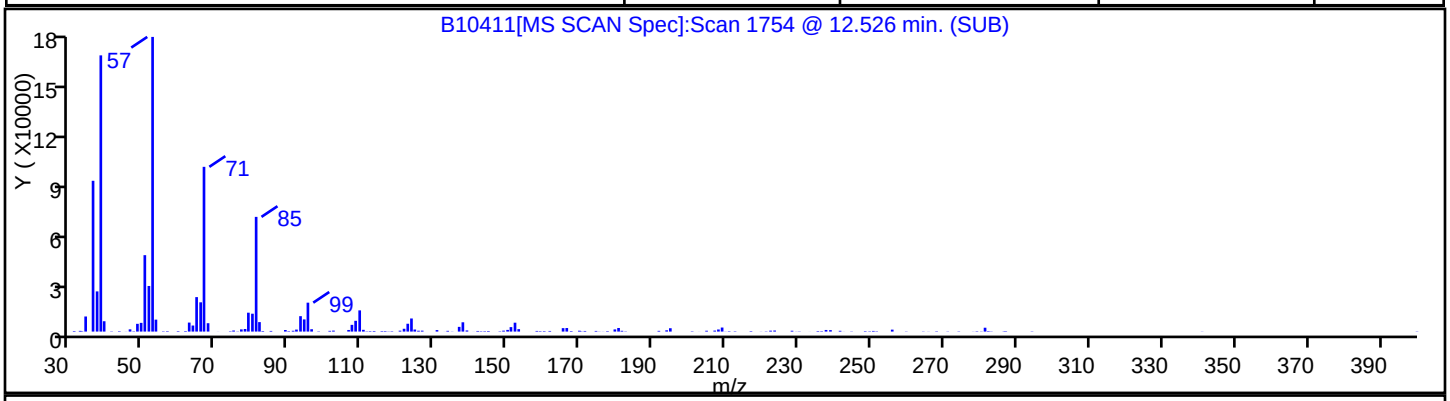
Lims Batch ID: 49189 Lims Sample ID: 12

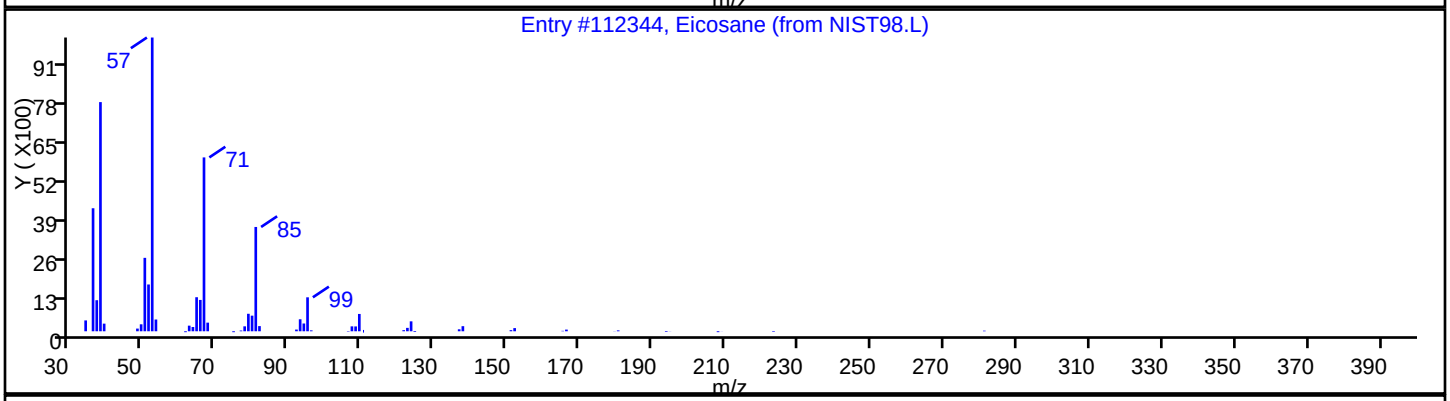
Client ID: Instrument: Inst. B

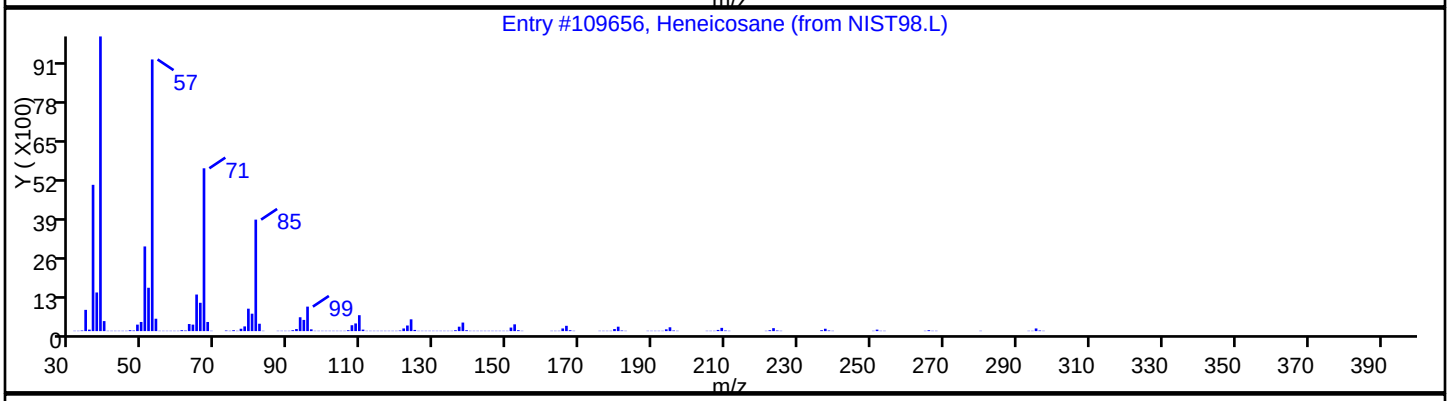
Sample Info: mb 360-48742/1-a

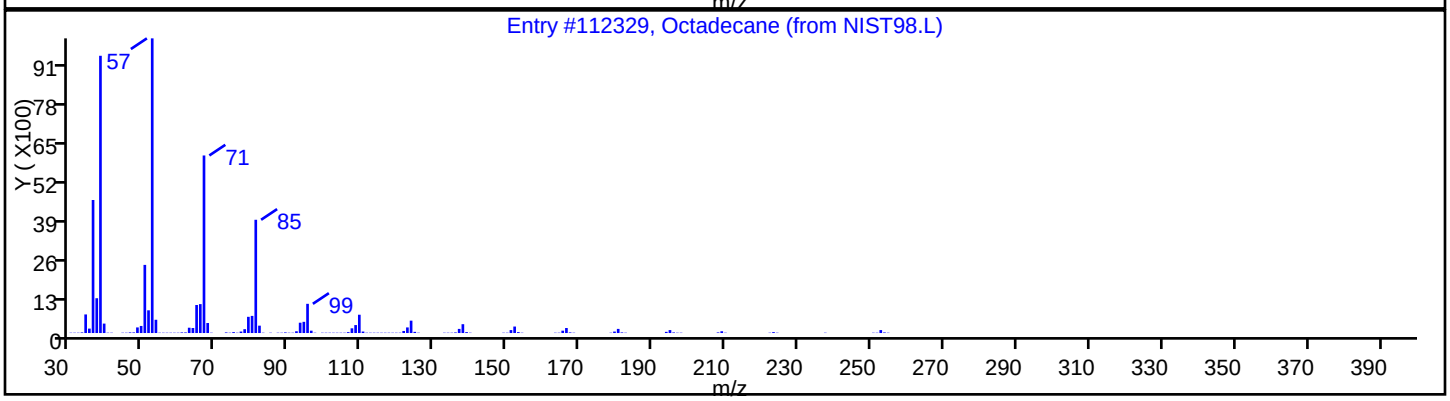
Sample Amount: 2.00 uL Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane	112-95-8	NIST98.L	112344	99
Heneicosane	629-94-7	NIST98.L	109656	91
Octadecane	593-45-3	NIST98.L	112329	91









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: | Lab Sample ID: MB 360-48854/1-A

Matrix: Solid | Lab File ID: B10449.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 20:33

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49265 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		33	10
120-82-1	1,2,4-Trichlorobenzene	ND		33	10
95-50-1	1,2-Dichlorobenzene	ND		33	10
541-73-1	1,3-Dichlorobenzene	ND		33	10
106-46-7	1,4-Dichlorobenzene	ND		33	10
90-12-0	1-Methylnaphthalene	ND		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	ND		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	ND		33	10
95-95-4	2,4,5-Trichlorophenol	ND		33	10
88-06-2	2,4,6-Trichlorophenol	ND		33	10
120-83-2	2,4-Dichlorophenol	ND		33	10
105-67-9	2,4-Dimethylphenol	ND		33	13
51-28-5	2,4-Dinitrophenol	ND		33	10
121-14-2	2,4-Dinitrotoluene	ND		33	10
606-20-2	2,6-Dinitrotoluene	ND		33	10
91-58-7	2-Chloronaphthalene	ND		33	10
95-57-8	2-Chlorophenol	ND		33	10
91-57-6	2-Methylnaphthalene	ND		33	10
95-48-7	2-Methylphenol	ND		33	20
88-74-4	2-Nitroaniline	ND		170	10
88-75-5	2-Nitrophenol	ND		33	10
15831-10-4	3 & 4 Methylphenol	ND		33	10
91-94-1	3,3'-Dichlorobenzidine	ND		67	10
99-09-2	3-Nitroaniline	ND		170	10
534-52-1	4,6-Dinitro-2-methylphenol	ND		170	10
101-55-3	4-Bromophenyl phenyl ether	ND		33	10
59-50-7	4-Chloro-3-methylphenol	ND		67	10
106-47-8	4-Chloroaniline	ND		67	10
7005-72-3	4-Chlorophenyl phenyl ether	ND		33	10
100-01-6	4-Nitroaniline	ND		170	10
100-02-7	4-Nitrophenol	ND		170	10
83-32-9	Acenaphthene	ND		33	10
208-96-8	Acenaphthylene	ND		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: | Lab Sample ID: MB 360-48854/1-A

Matrix: Solid | Lab File ID: B10449.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 20:33

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49265 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		33	10
62-53-3	Aniline	ND		33	10
120-12-7	Anthracene	ND		33	10
1912-24-9	Atrazine	ND		33	10
103-33-3	Azobenzene	ND		33	10
100-52-7	Benzaldehyde	ND		33	10
56-55-3	Benzo[a]anthracene	ND		33	10
50-32-8	Benzo[a]pyrene	ND		33	10
205-99-2	Benzo[b]fluoranthene	ND		33	10
191-24-2	Benzo[g,h,i]perylene	ND		33	10
207-08-9	Benzo[k]fluoranthene	ND		33	10
65-85-0	Benzoic acid	70.4	J	170	15
119-61-9	Benzophenone	ND		33	10
100-51-6	Benzyl alcohol	ND		67	28
111-91-1	Bis(2-chloroethoxy)methane	ND		33	10
111-44-4	Bis(2-chloroethyl)ether	ND		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	ND		33	10
85-68-7	Butyl benzyl phthalate	ND		33	10
105-60-2	Caprolactam	ND		33	10
86-74-8	Carbazole	ND		33	10
218-01-9	Chrysene	ND		33	10
53-70-3	Dibenz(a,h)anthracene	ND		33	10
132-64-9	Dibenzofuran	ND		33	10
84-66-2	Diethyl phthalate	ND		33	10
131-11-3	Dimethyl phthalate	ND		33	10
84-74-2	Di-n-butyl phthalate	ND		33	29
117-84-0	Di-n-octyl phthalate	ND		33	17
101-84-8	Diphenyl oxide	ND		33	10
206-44-0	Fluoranthene	ND		33	10
86-73-7	Fluorene	ND		33	10
118-74-1	Hexachlorobenzene	ND		33	10
87-68-3	Hexachlorobutadiene	ND		33	10
77-47-4	Hexachlorocyclopentadiene	ND		67	10
67-72-1	Hexachloroethane	ND		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: | Lab Sample ID: MB 360-48854/1-A

Matrix: Solid | Lab File ID: B10449.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 20:33

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49265 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	ND		33	10
78-59-1	Isophorone	ND		33	10
91-20-3	Naphthalene	ND		80	10
98-95-3	Nitrobenzene	ND		33	10
62-75-9	N-Nitrosodimethylamine	ND		33	12
621-64-7	N-Nitrosodi-n-propylamine	ND		33	10
86-30-6	N-Nitrosodiphenylamine	ND		33	10
87-86-5	Pentachlorophenol	ND		33	10
85-01-8	Phenanthrene	ND		40	10
108-95-2	Phenol	ND		33	10
129-00-0	Pyrene	ND		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	71	30-130	
321-60-8	2-Fluorobiphenyl	71	30-130	
367-12-4	2-Fluorophenol	89	30-130	
4165-60-0	Nitrobenzene-d5	83	30-130	
4165-62-2	Phenol-d5	91	30-130	
1718-51-0	Terphenyl-d14	72	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: | Lab Sample ID: MB 360-48854/1-A

Matrix: Solid | Lab File ID: B10449.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 20:33

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49265 | Units: ug/Kg

Number TICs Found: 8 | TIC Result Total: 170.6

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.06	23.2	T J
121-33-5	Vanillin	10.03	12.5	T J N
615-22-5	Benzothiazole, 2-(methylthio)-	11.07	12.0	T J N
593-45-3	Octadecane	11.58	42.1	T J N
112-95-8	Eicosane	12.30	24.2	T J N
54833-48-6	Heptadecane, 2,6,10,15-tetramethyl-	15.61	10.5	T J N
593-49-7	Heptacosane	16.12	14.3	T J N
7683-64-9	Squalene	16.78	31.8	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D		
Lims ID:	MB 360-48854/1-A	Client ID:	
Inject. Date:	21-Sep-2009 20:33:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-48742/1-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49265	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 11:09:16	Calib Date:	21-Sep-2009 19:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 11:09:16

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.902	7.900	0.002	431193	2.00	
* 2 Naphthalene-d8	136	9.028	9.030	-0.002	1058960	2.00	
* 3 Acenaphthene-d10	164	10.533	10.535	-0.002	541443	2.00	
* 4 Phenanthrene-d10	188	11.802	11.800	0.002	929828	2.00	
* 5 Chrysene-d12	240	15.399	15.397	0.002	577103	2.00	
* 6 Perylene-d12	264	17.837	17.840	-0.003	361051	2.00	
$ 7 2-Fluorophenol	112	6.671	6.630	0.041	1084883	8.94	
$ 8 Phenol-d5	99	7.527	7.520	0.007	1267242	9.07	
$ 9 Nitrobenzene-d5	82	8.388	8.390	-0.002	566036	4.17	
$ 10 2-Fluorobiphenyl	172	9.927	9.924	0.003	1264880	3.54	
$ 11 2,4,6-Tribromophenol	330	11.201	11.204	-0.003	240732	7.09	
$ 12 Terphenyl-d14	244	13.428	13.425	0.003	984548	3.58	
22 1,4-Dichlorobenzene	146	7.854	7.852	0.002	2126	0.0133	
30 Acetophenone	105	8.244	8.246	-0.002	10827	0.0649	
36 Benzoic acid	105	8.706	8.713	-0.007	41377	2.11	
66 Diethyl phthalate	149	10.821	10.824	-0.003	10770	0.0315	
80 Phenanthrene	178	11.822	11.824	-0.002	8627	0.0179	
89 Butyl benzyl phthalate	149	14.135	14.142	-0.007	3952	0.0203	
92 Bis(2-ethylhexyl) phthalate	149	15.279	15.281	-0.002	61107	0.2762	
100 Indeno[1,2,3-cd]pyrene	276	20.261	20.268	-0.007	15007	0.1233	
101 Dibenz(a,h)anthracene	278	20.295	20.302	-0.007	12034	0.1201	
102 Benzo[g,h,i]perylene	276	21.011	20.999	0.012	15614	0.1363	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D		
Lims ID:	MB 360-48854/1-A	Client ID:	
Inject. Date:	21-Sep-2009 20:33:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-48742/1-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49265	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 11:09:16	Calib Date:	21-Sep-2009 19:31:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	85		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 11:09:16

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
7.061	669447	0.6946	1			
	121-33-5	Vanillin				
10.033	444689	0.3740	3	97	68312	
	615-22-5	Benzothiazole, 2-(methylthio)-				
11.067	428574	0.3604	3	99	125390	
	593-45-3	Octadecane				
11.576	1614630	1.26	4	98	112329	
	112-95-8	Eicosane				
12.303	927402	0.7260	4	98	112343	
	54833-48-6	Heptadecane, 2,6,10,15-tetramethyl-				
15.606	259041	0.3165	5	93	17067	
	593-49-7	Heptacosane				
16.116	351703	0.4297	5	99	109643	
	7683-64-9	Squalene				
16.775	539108	0.9540	6	91	114263	

Quantitation Compounds

Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	7.902	1927650	2.00

Report Date: 22-Sep-2009 11:09:17 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D

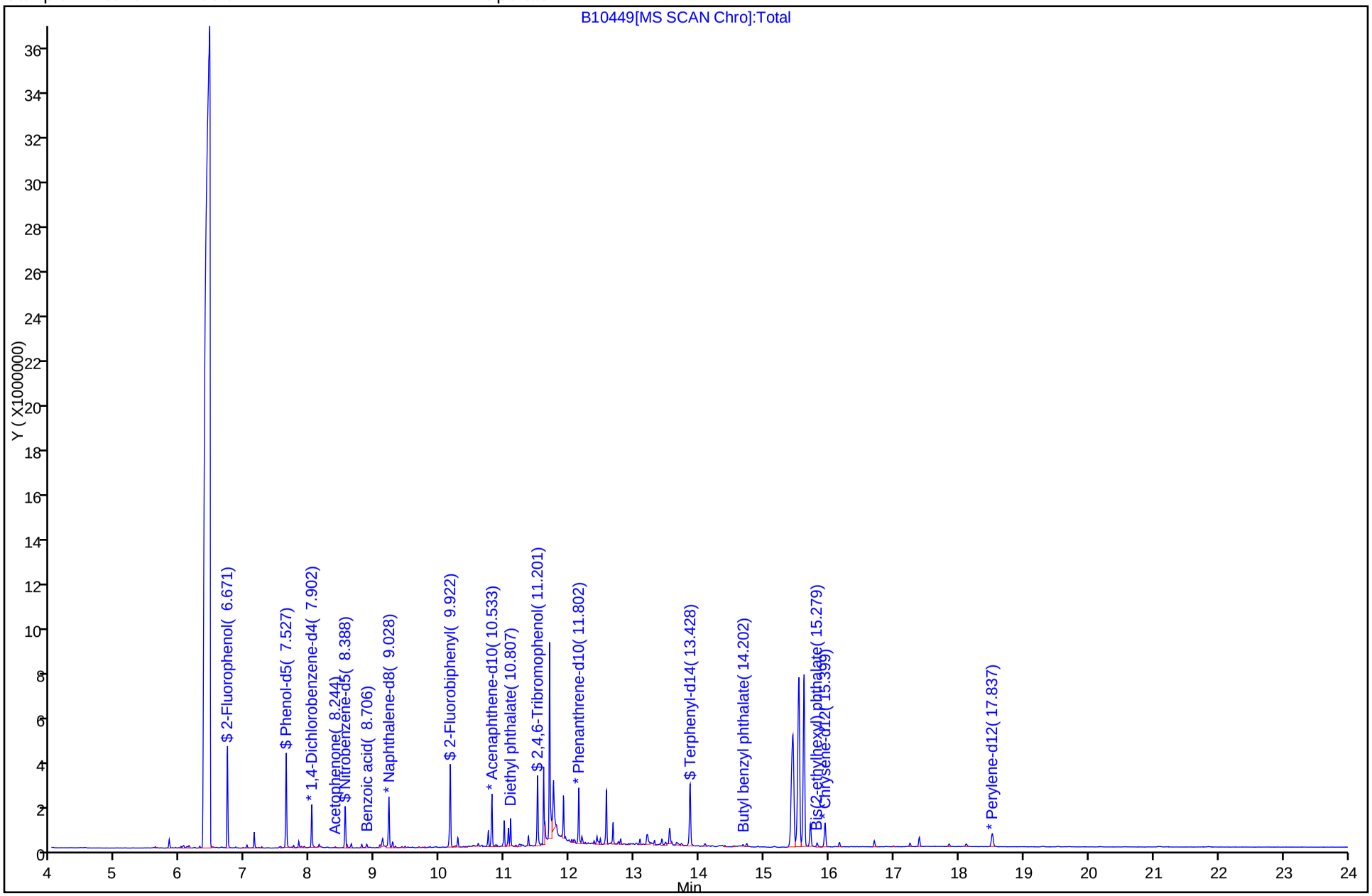
Compound	RT	Response	Amount ug/mL
* 3 Acenaphthene-d10	10.533	2378211	2.00
* 4 Phenanthrene-d10	11.802	2554734	2.00
* 5 Chrysene-d12	15.399	1636993	2.00
* 6 Perylene-d12	17.837	1130155	2.00

QC Flag Legend

Processing Flags

Report Date: 22-Sep-2009 11:09:17 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D		
Inj Date:	21-Sep-2009 20:33:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	12
Client ID:		Instrument:	Inst. B
Sample Info:	mb 360-48742/1-a		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 22-Sep-2009 11:09:18 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D

Inj Date: 21-Sep-2009 20:33:30 Limit Group: SMS - 8270LL SVOA Calibration

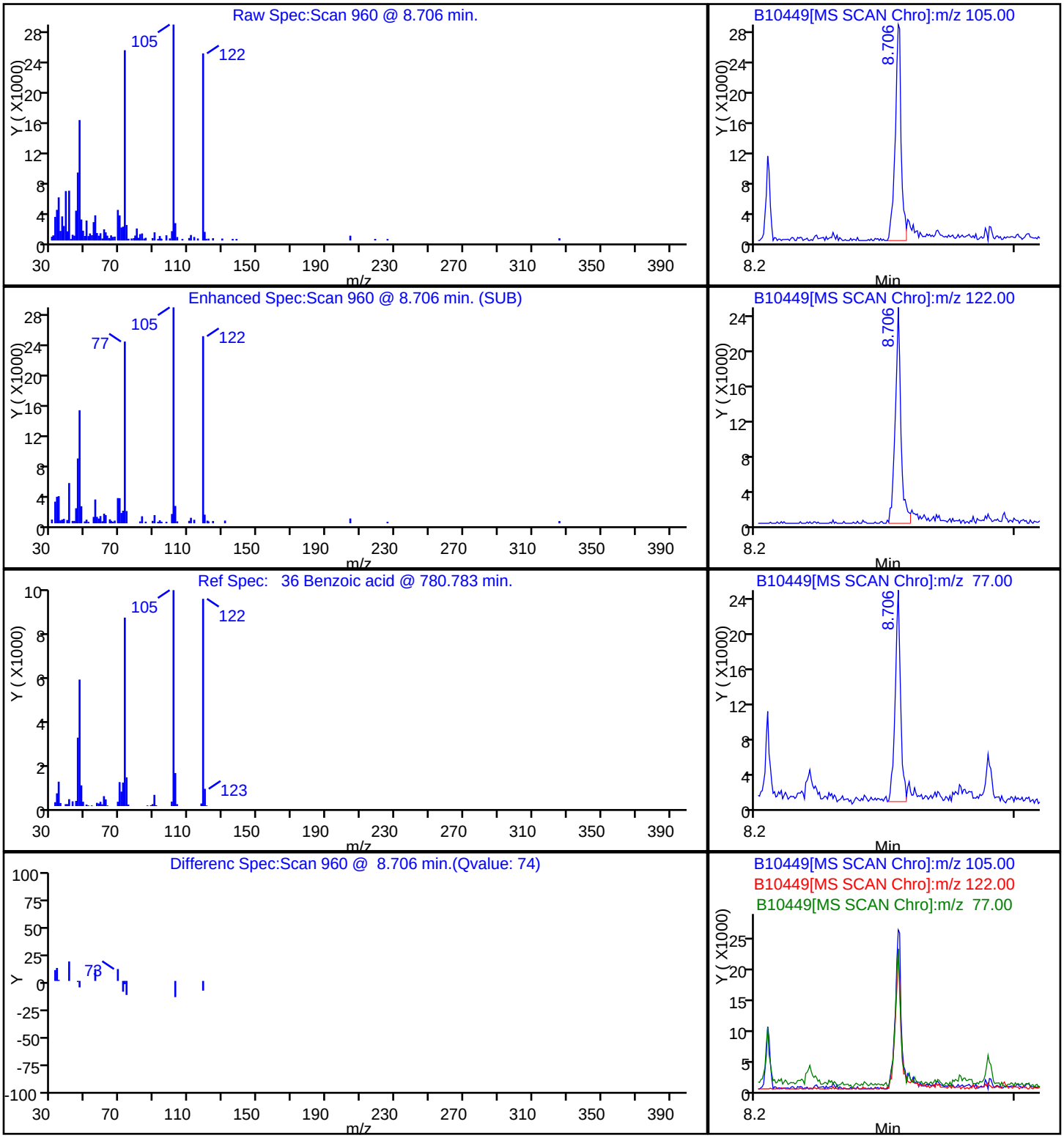
Lims Batch ID: 49265 Lims Sample ID: 12

Client ID: Instrument: Inst. B

Sample Info: mb 360-48742/1-a

Sample Amount: 1.00 ul Operator: MZ

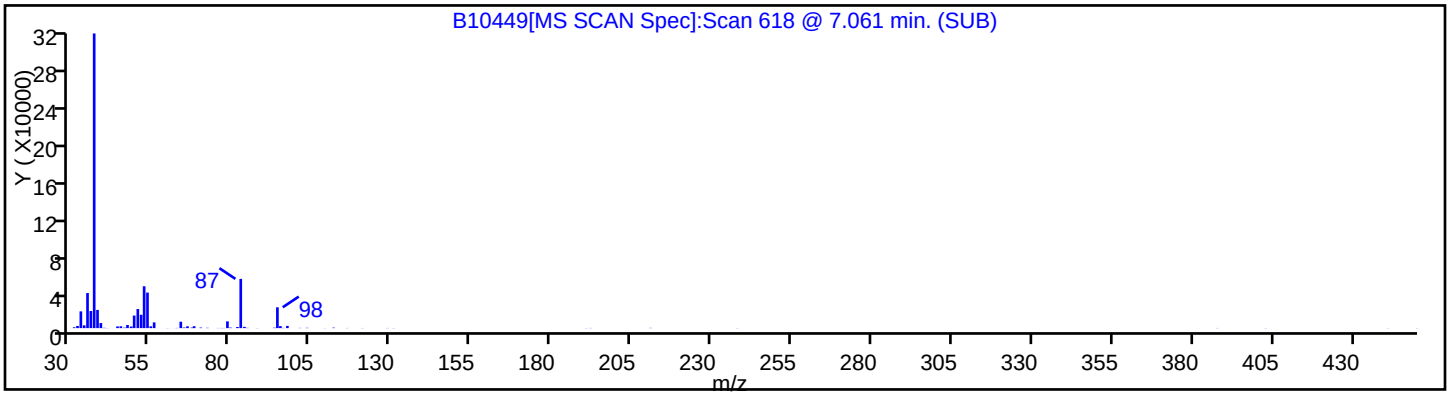
36 Benzoic acid



Report Date: 22-Sep-2009 11:09:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D		
Inj Date:	21-Sep-2009 20:33:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	12
Client ID:		Instrument:	Inst. B
Sample Info:	mb 360-48742/1-a		
Sample Amount:	1.00 ul	Operator:	MZ

No Library Matches Found above the Threshold: 85



Report Date: 22-Sep-2009 11:09:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D

Inj Date: 21-Sep-2009 20:33:30 Limit Group: SMS - 8270LL SVOA Calibration

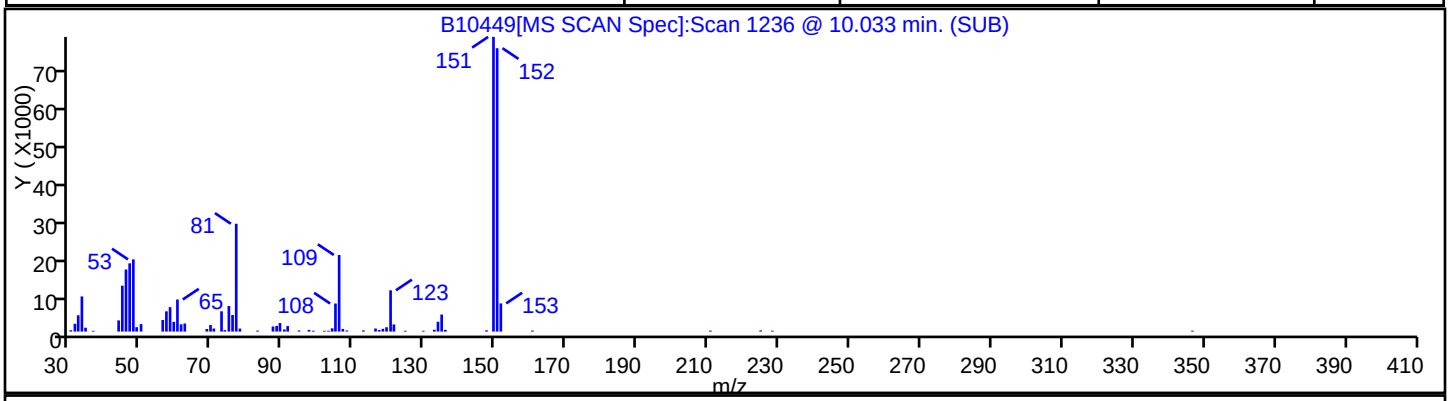
Lims Batch ID: 49265 Lims Sample ID: 12

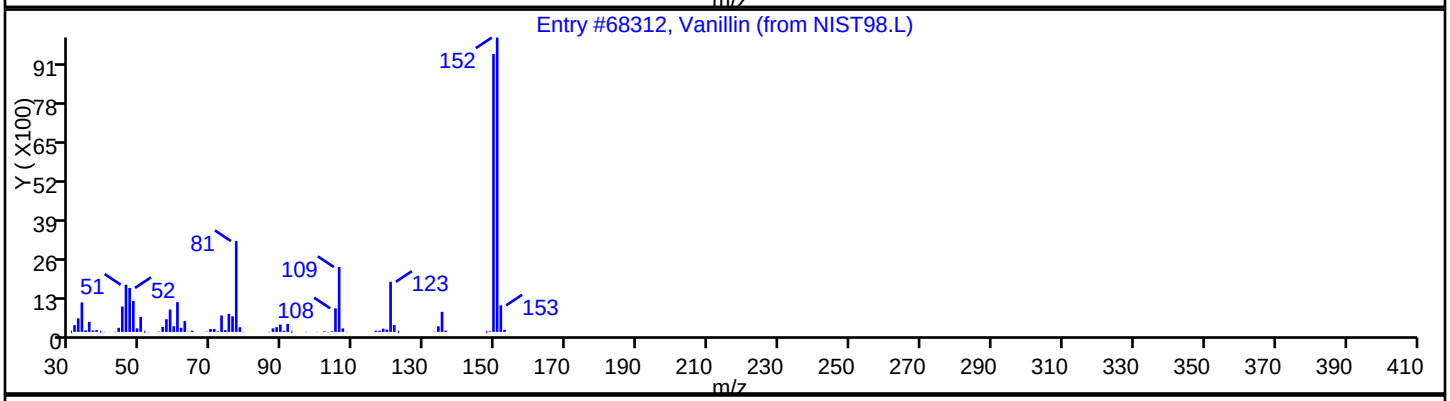
Client ID: Instrument: Inst. B

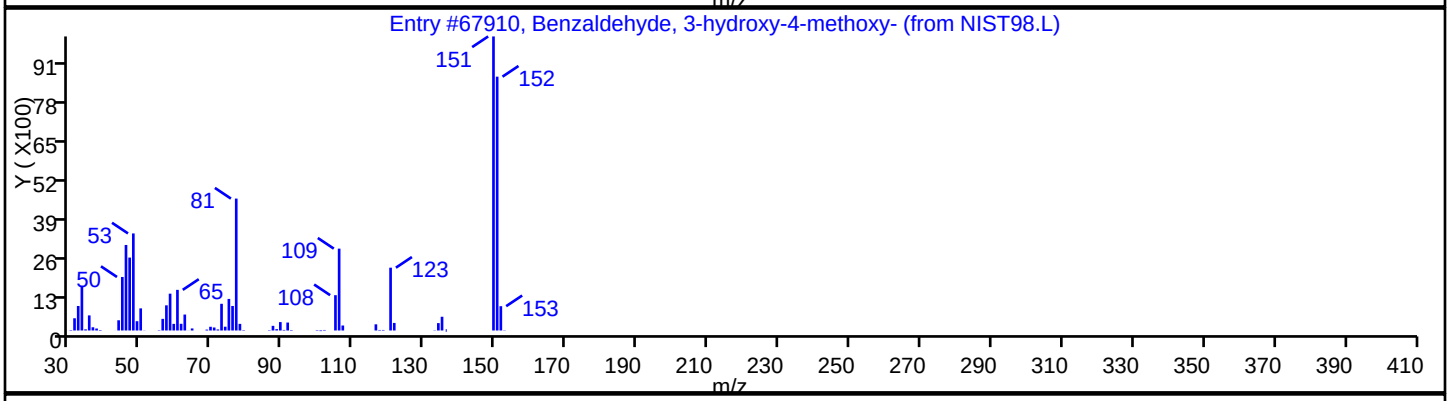
Sample Info: mb 360-48742/1-a

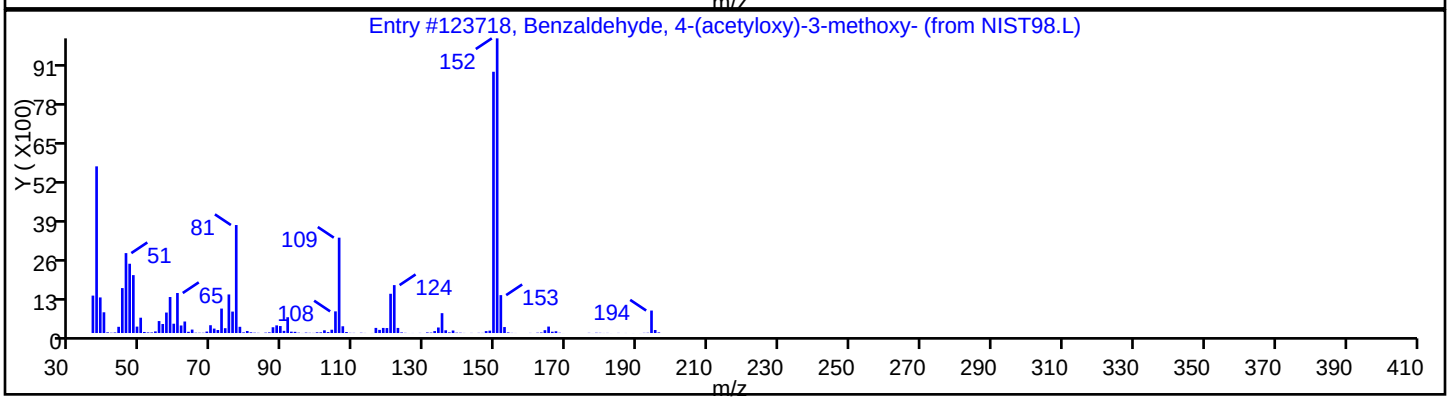
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Vanillin	121-33-5	NIST98.L	68312	97
Benzaldehyde, 3-hydroxy-4-methoxy-	621-59-0	NIST98.L	67910	94
Benzaldehyde, 4-(acetyloxy)-3-methoxy-	881-68-5	NIST98.L	123718	72









Report Date: 22-Sep-2009 11:09:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D

Inj Date: 21-Sep-2009 20:33:30 Limit Group: SMS - 8270LL SVOA Calibration

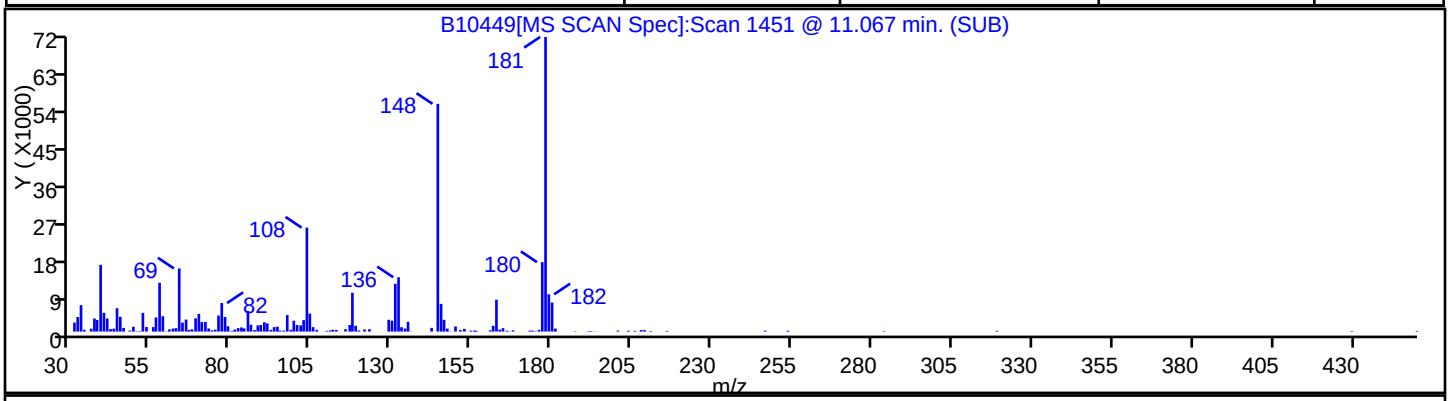
Lims Batch ID: 49265 Lims Sample ID: 12

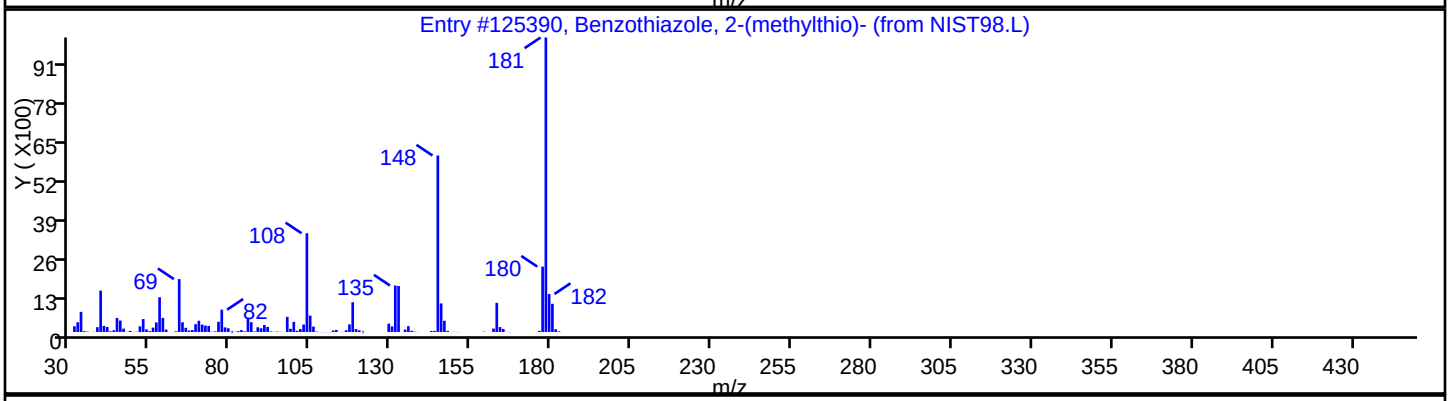
Client ID: Instrument: Inst. B

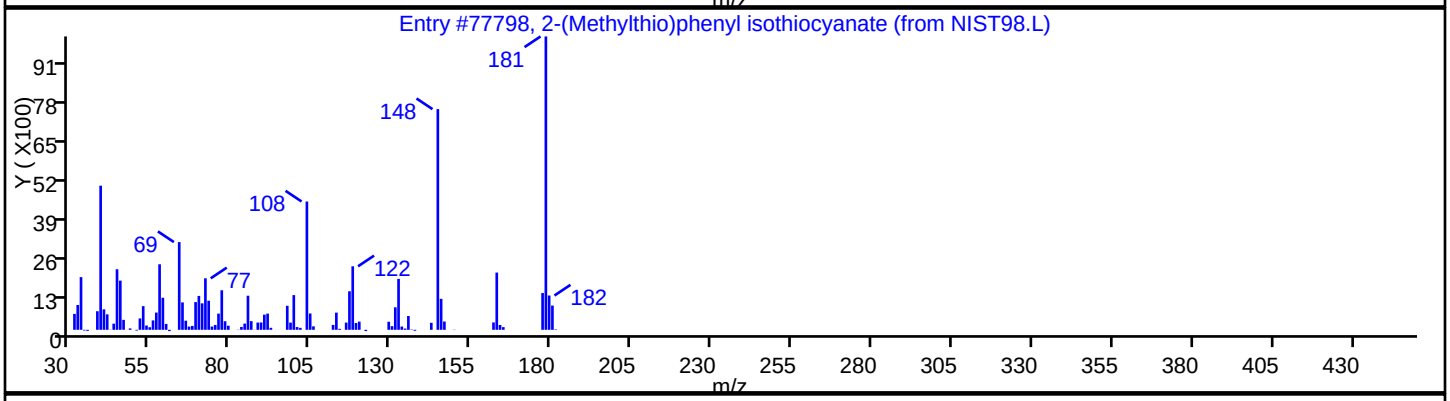
Sample Info: mb 360-48742/1-a

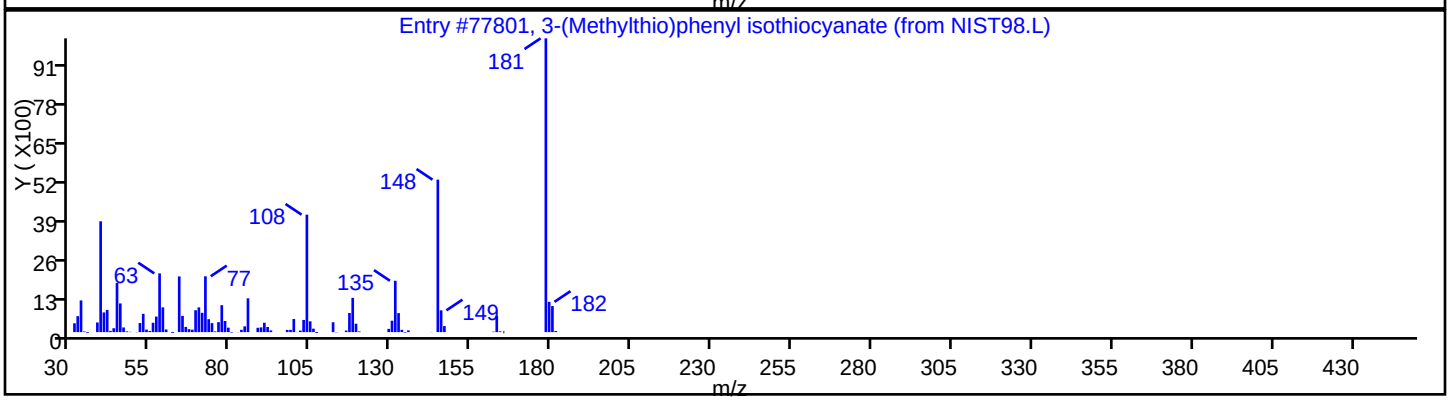
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzothiazole, 2-(methylthio)-	615-22-5	NIST98.L	125390	99
2-(Methylthio)phenyl isothiocyanate	51333-75-6	NIST98.L	77798	80
3-(Methylthio)phenyl isothiocyanate	51333-80-3	NIST98.L	77801	64









Report Date: 22-Sep-2009 11:09:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D

Inj Date: 21-Sep-2009 20:33:30 Limit Group: SMS - 8270LL SVOA Calibration

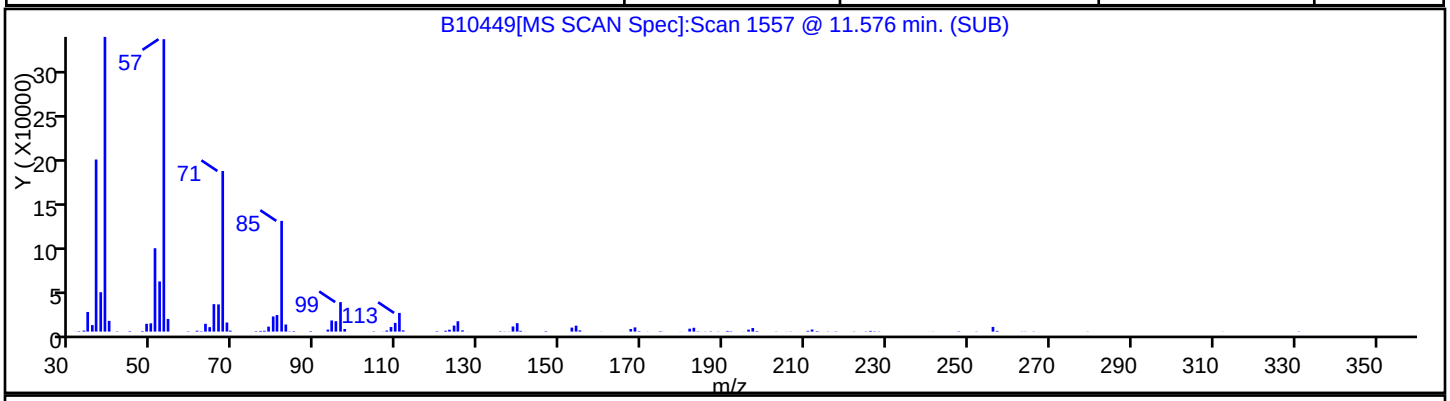
Lims Batch ID: 49265 Lims Sample ID: 12

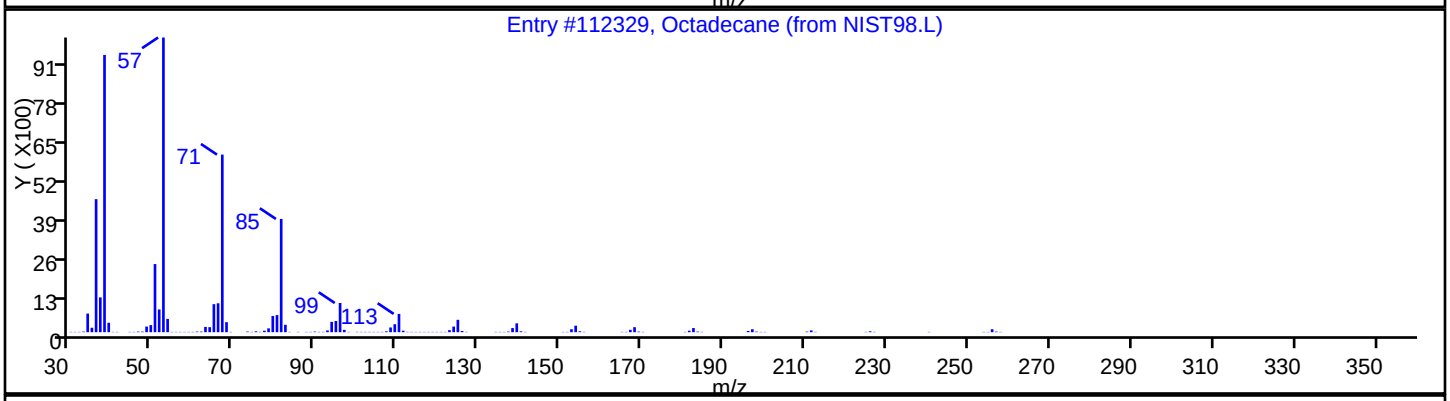
Client ID: Instrument: Inst. B

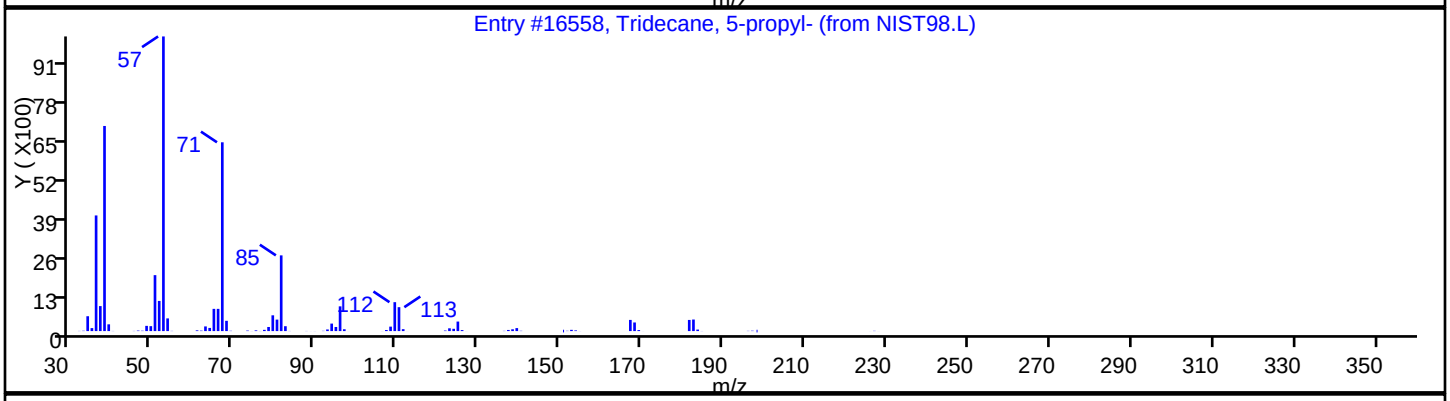
Sample Info: mb 360-48742/1-a

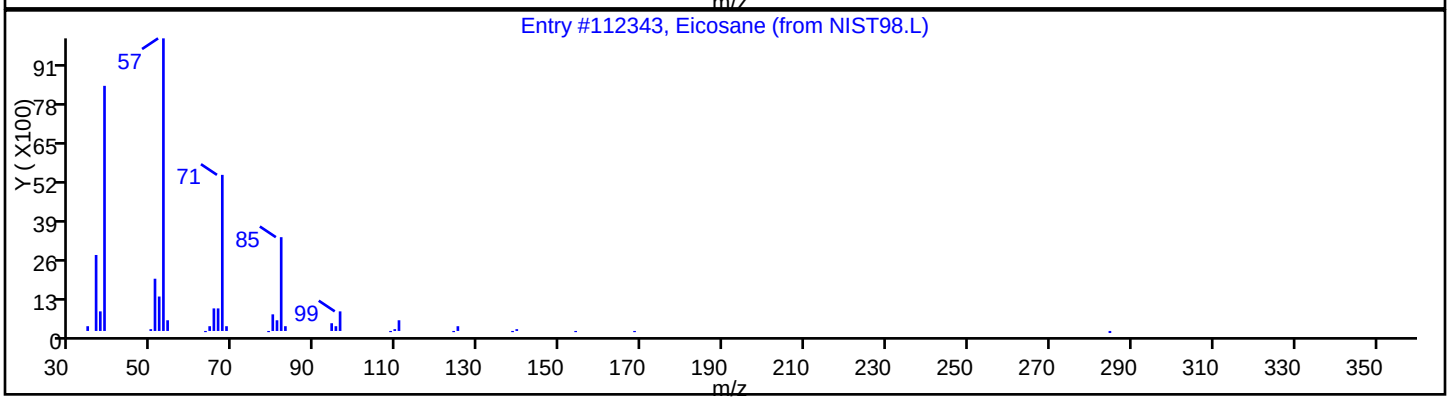
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane	593-45-3	NIST98.L	112329	98
Tridecane, 5-propyl-	55045-11-9	NIST98.L	16558	91
Eicosane	112-95-8	NIST98.L	112343	91









Report Date: 22-Sep-2009 11:09:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D

Inj Date: 21-Sep-2009 20:33:30 Limit Group: SMS - 8270LL SVOA Calibration

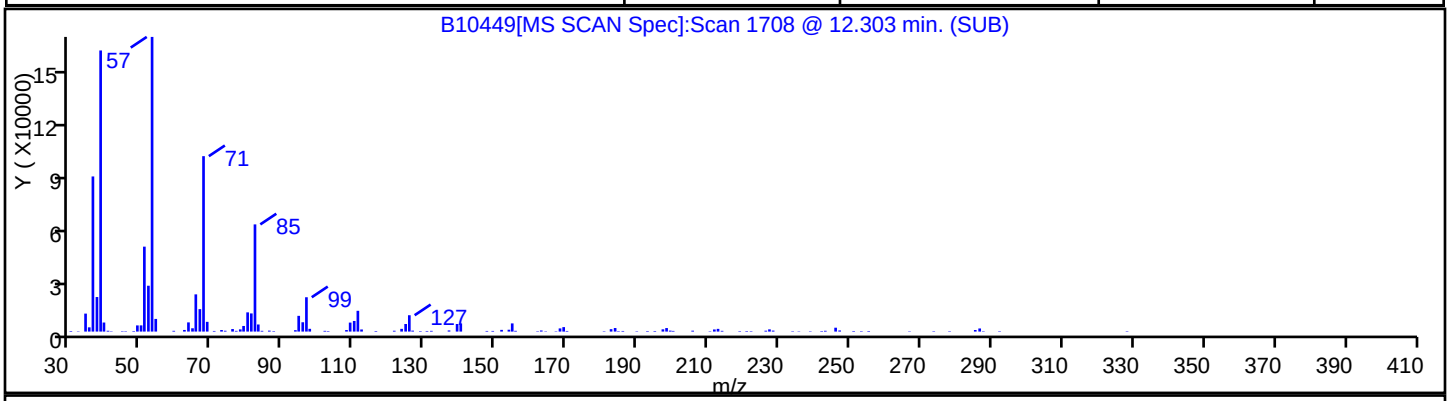
Lims Batch ID: 49265 Lims Sample ID: 12

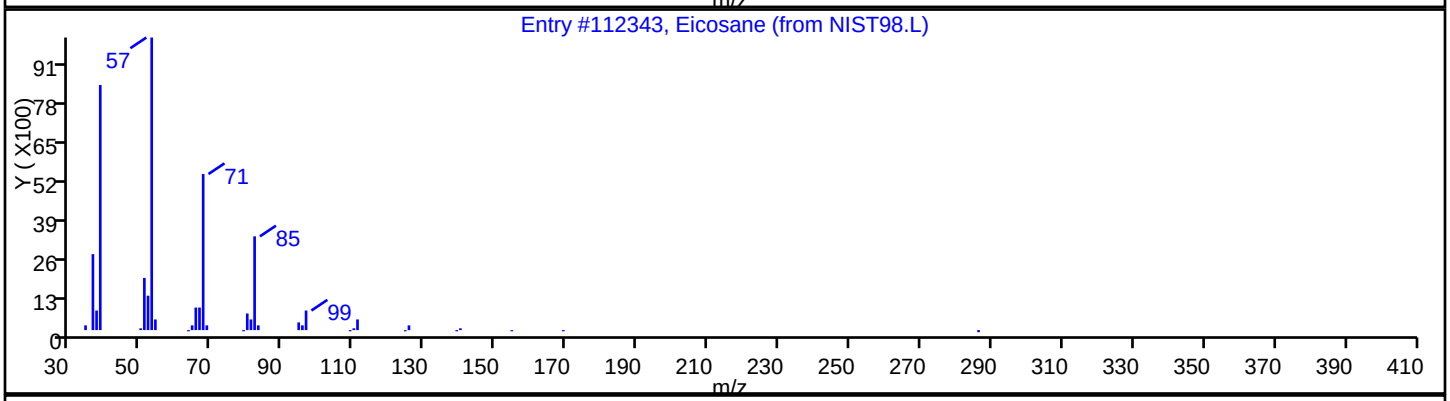
Client ID: Instrument: Inst. B

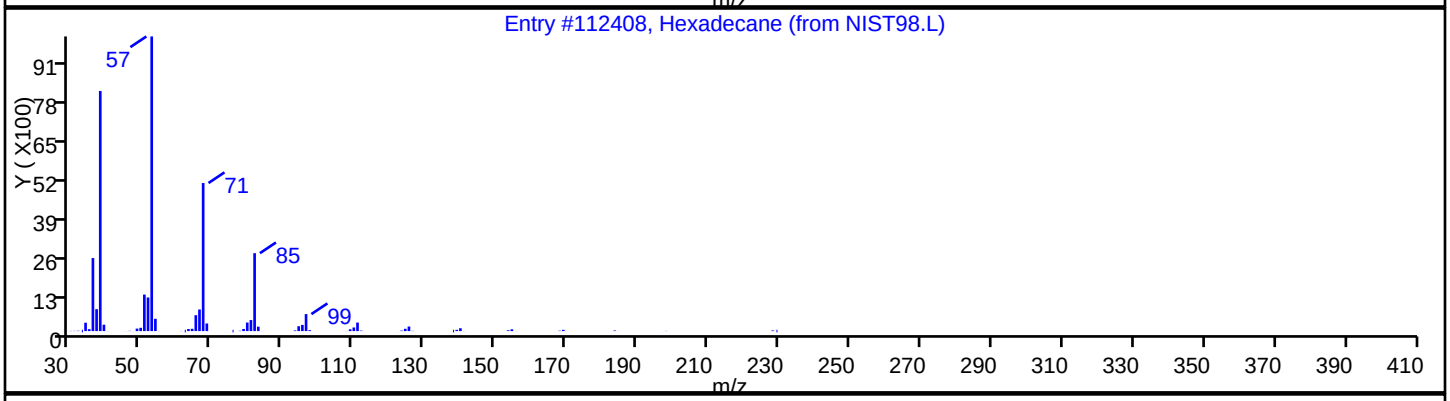
Sample Info: mb 360-48742/1-a

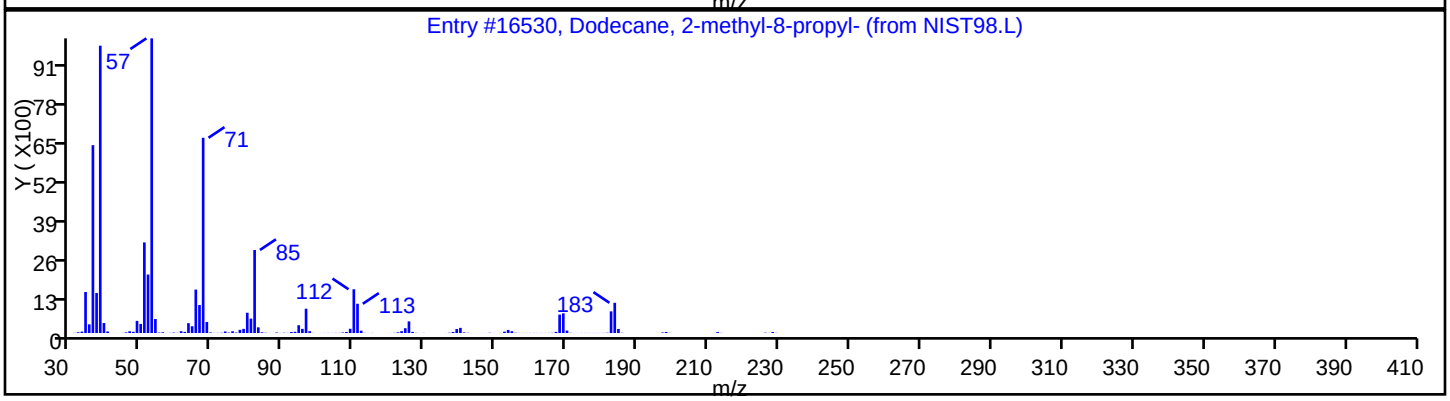
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane	112-95-8	NIST98.L	112343	98
Hexadecane	544-76-3	NIST98.L	112408	94
Dodecane, 2-methyl-8-propyl-	55045-7-3	NIST98.L	16530	93









Report Date: 22-Sep-2009 11:09:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D

Inj Date: 21-Sep-2009 20:33:30 Limit Group: SMS - 8270LL SVOA Calibration

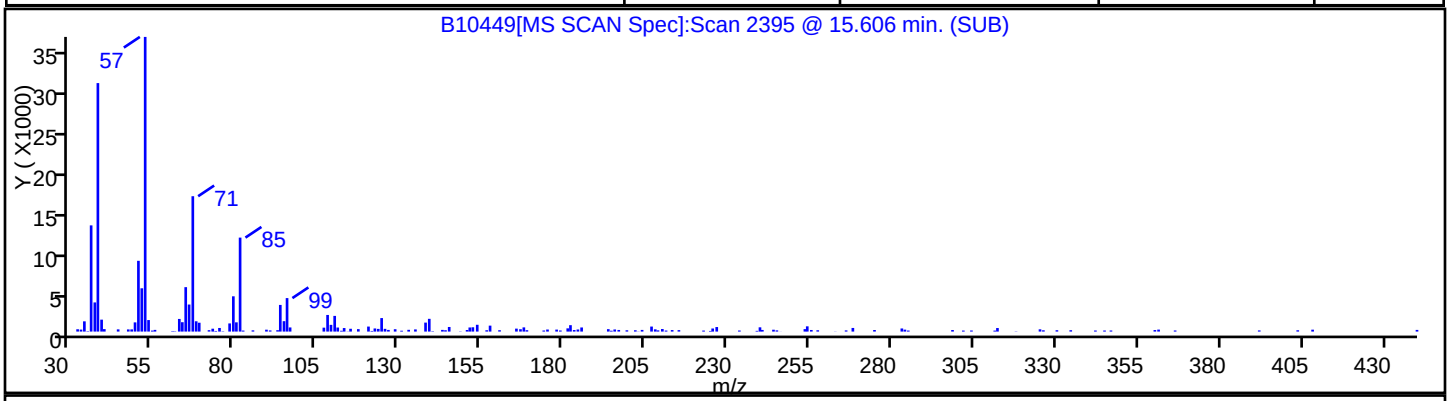
Lims Batch ID: 49265 Lims Sample ID: 12

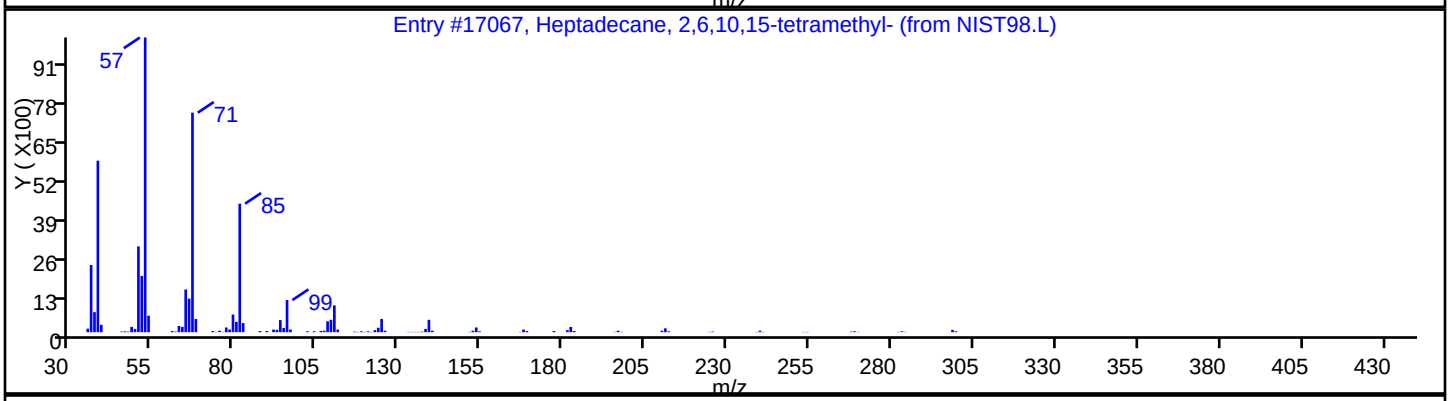
Client ID: Instrument: Inst. B

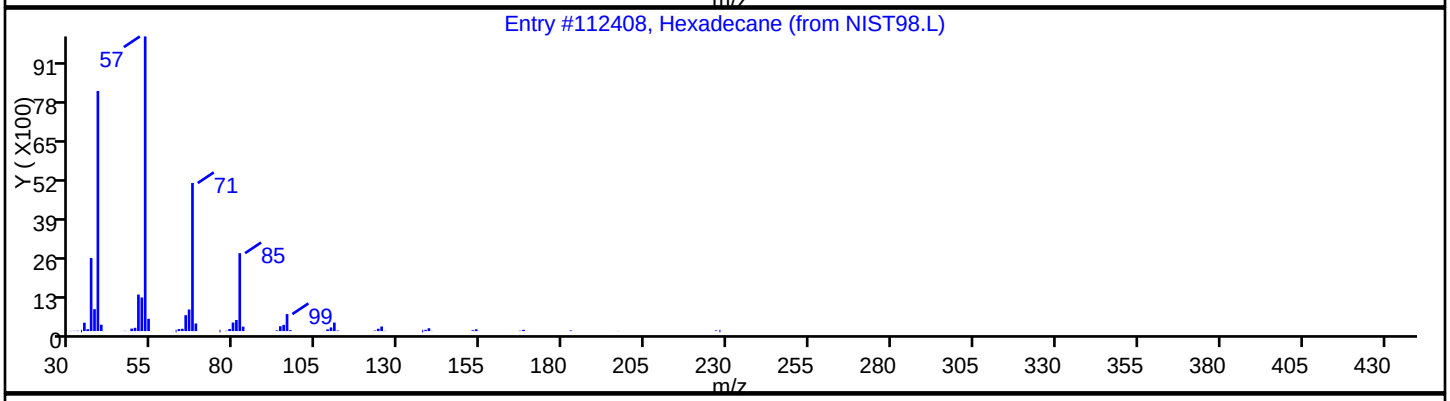
Sample Info: mb 360-48742/1-a

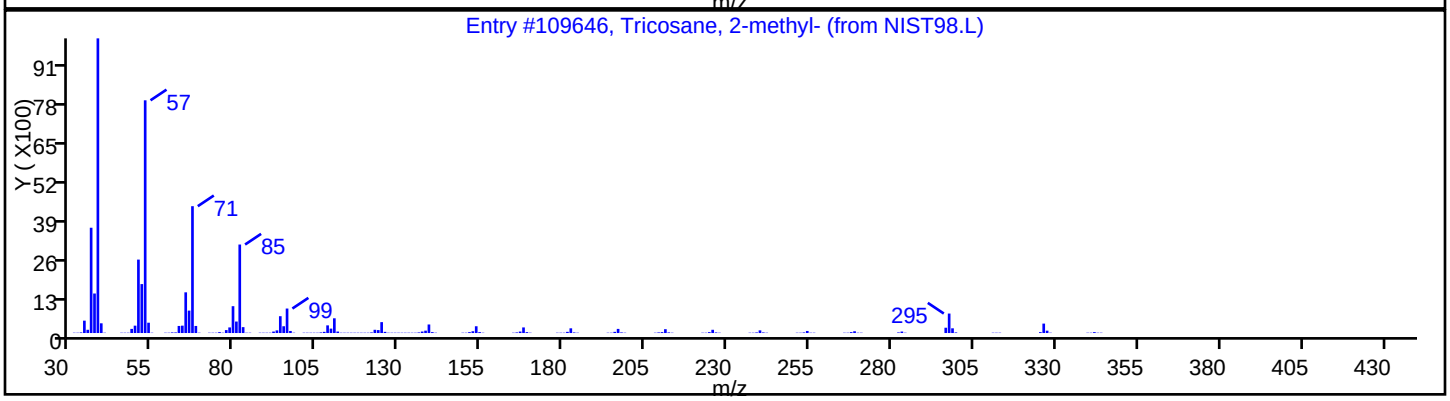
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NIST98.L	17067	93
Hexadecane	544-76-3	NIST98.L	112408	93
Tricosane, 2-methyl-	1928-30-9	NIST98.L	109646	93









Report Date: 22-Sep-2009 11:09:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D

Inj Date: 21-Sep-2009 20:33:30 Limit Group: SMS - 8270LL SVOA Calibration

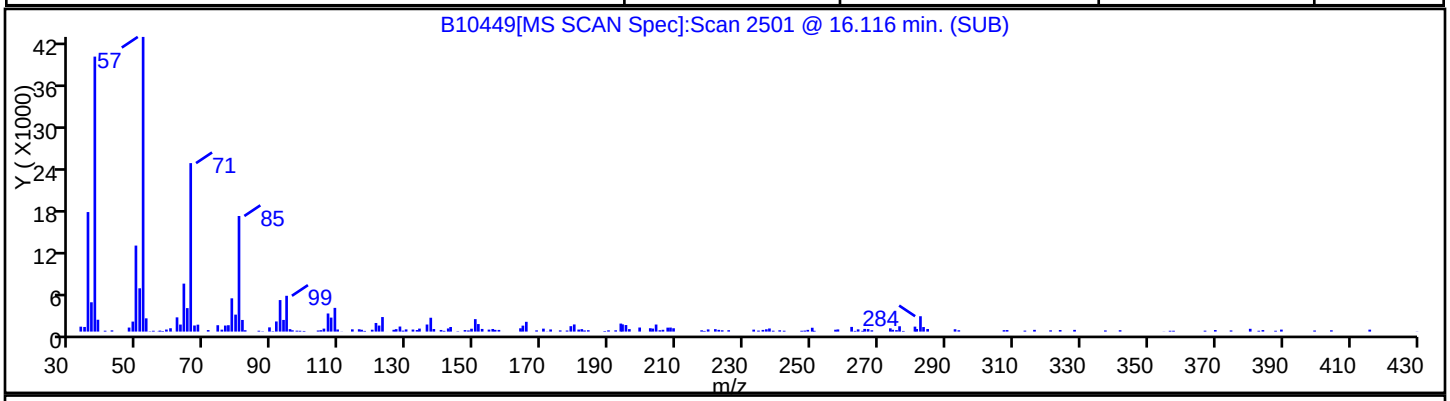
Lims Batch ID: 49265 Lims Sample ID: 12

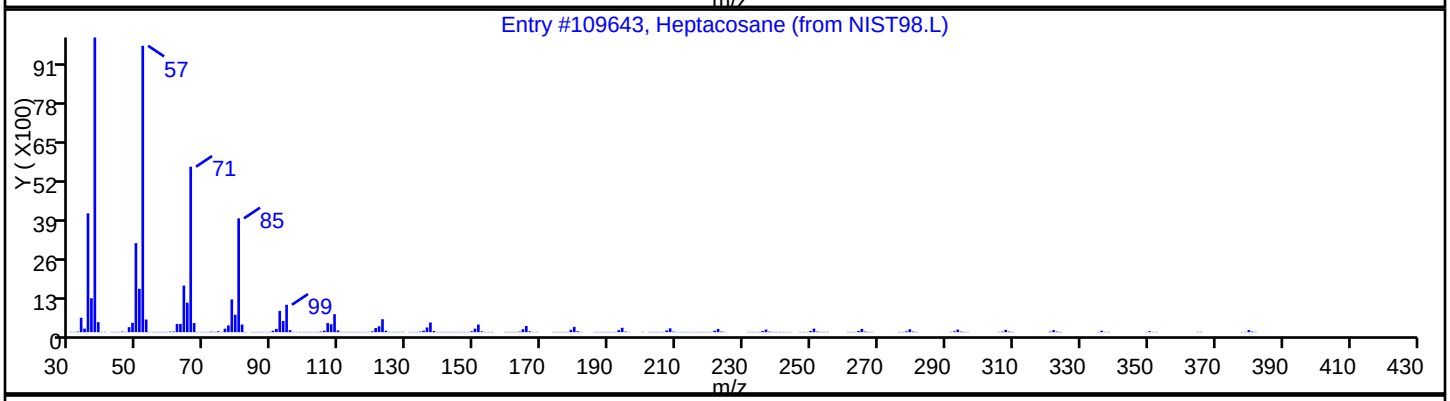
Client ID: Instrument: Inst. B

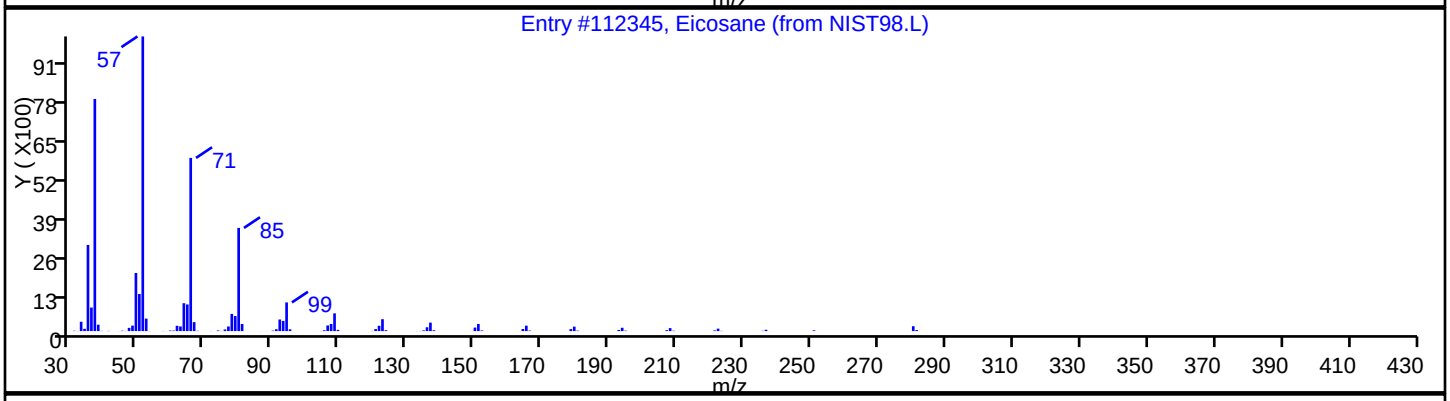
Sample Info: mb 360-48742/1-a

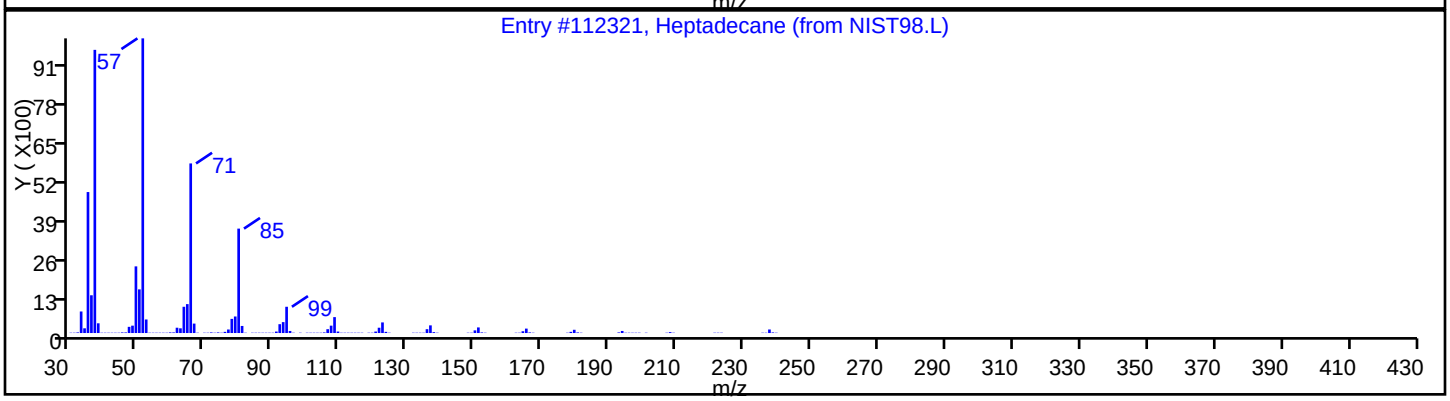
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptacosane	593-49-7	NIST98.L	109643	99
Eicosane	112-95-8	NIST98.L	112345	97
Heptadecane	629-78-7	NIST98.L	112321	95









Report Date: 22-Sep-2009 11:09:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D

Inj Date: 21-Sep-2009 20:33:30 Limit Group: SMS - 8270LL SVOA Calibration

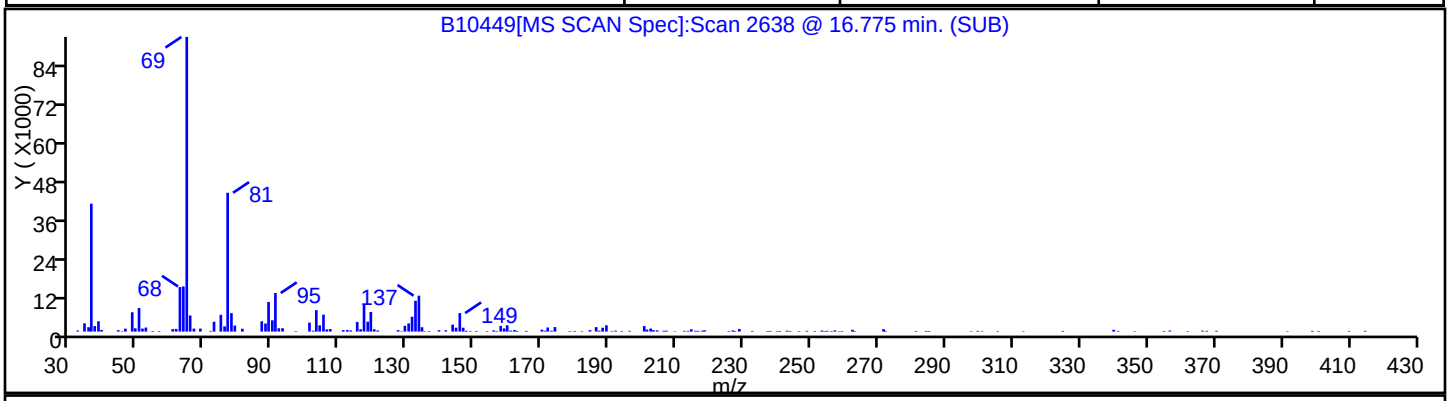
Lims Batch ID: 49265 Lims Sample ID: 12

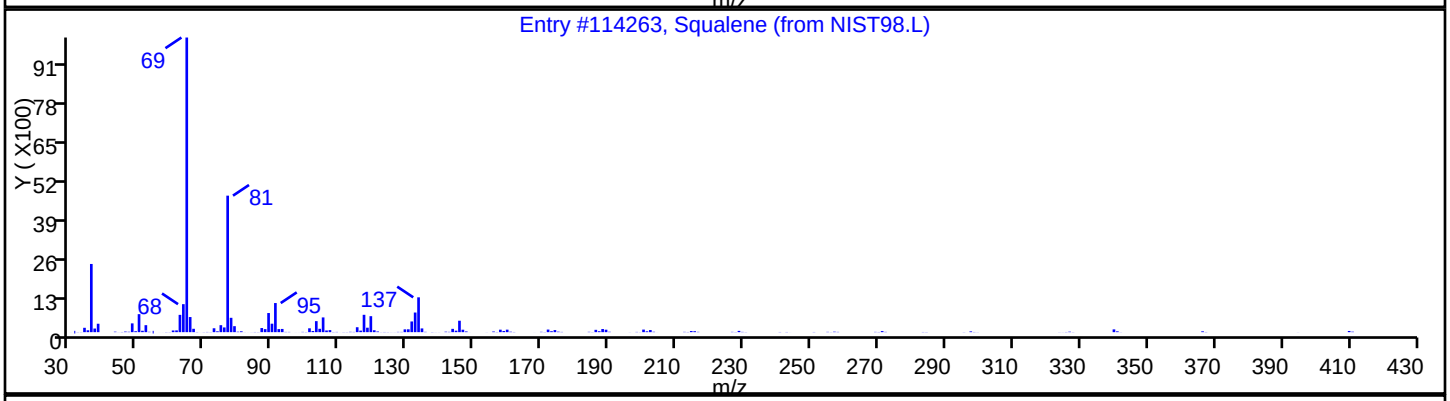
Client ID: Instrument: Inst. B

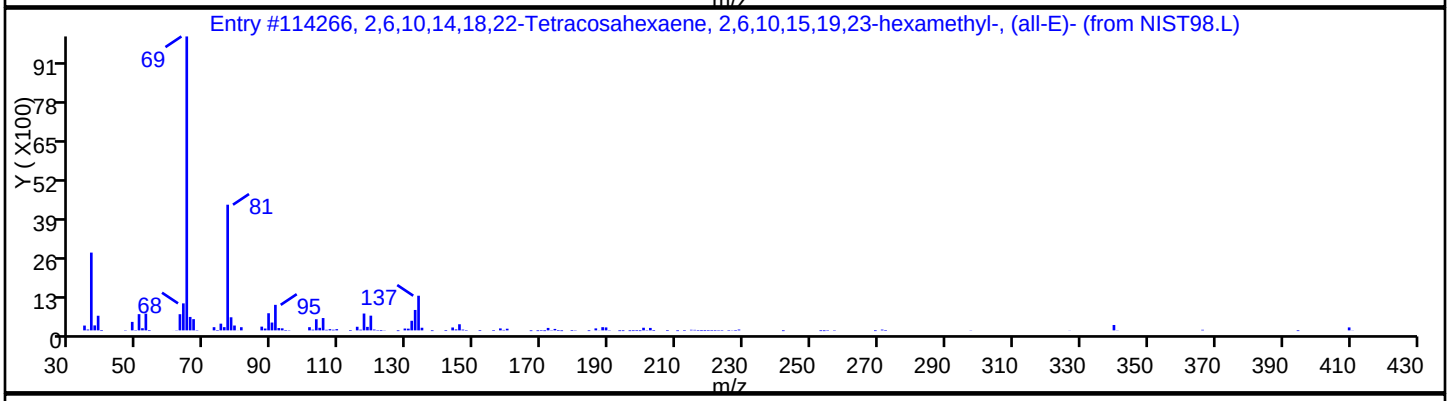
Sample Info: mb 360-48742/1-a

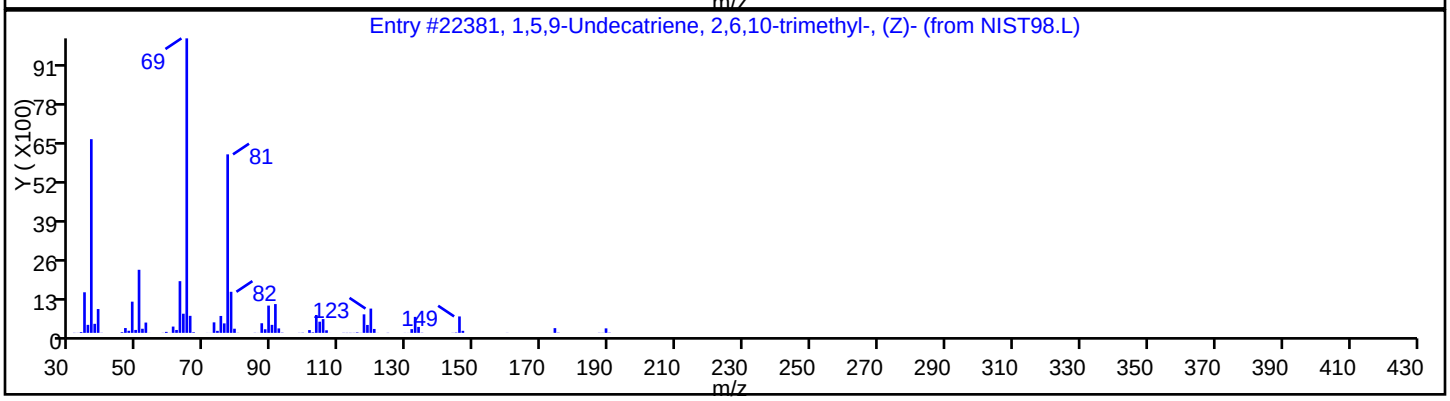
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Squalene	7683-64-9	NIST98.L	114263	91
2,6,10,14,18,22-Tetracosahexaene, 2,6,10	111-2-4	NIST98.L	114266	91
1,5,9-Undecatriene, 2,6,10-trimethyl-, (	62951-96-6	NIST98.L	22381	83









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: | Lab Sample ID: LCS 360-48742/2-A

Matrix: Solid | Lab File ID: B10412.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/09/2009 09:58

Sample wt/vol: 30.00(g) | Date Analyzed: 09/18/2009 22:22

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

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

Analysis Batch No.: 49189 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	275		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	220		33	10
120-82-1	1,2,4-Trichlorobenzene	228		33	10
120-82-1	1,2,4-Trichlorobenzene	228		33	10
95-50-1	1,2-Dichlorobenzene	208		33	10
95-50-1	1,2-Dichlorobenzene	208		33	10
541-73-1	1,3-Dichlorobenzene	200		33	10
541-73-1	1,3-Dichlorobenzene	200		33	10
106-46-7	1,4-Dichlorobenzene	201		33	10
106-46-7	1,4-Dichlorobenzene	201		33	10
90-12-0	1-Methylnaphthalene	222		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	212		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	249		33	10
95-95-4	2,4,5-Trichlorophenol	317		33	10
95-95-4	2,4,5-Trichlorophenol	317		33	10
88-06-2	2,4,6-Trichlorophenol	317		33	10
88-06-2	2,4,6-Trichlorophenol	317		33	10
120-83-2	2,4-Dichlorophenol	267		33	10
120-83-2	2,4-Dichlorophenol	267		33	10
105-67-9	2,4-Dimethylphenol	340		33	13
105-67-9	2,4-Dimethylphenol	286		33	13
51-28-5	2,4-Dinitrophenol	151		33	10
51-28-5	2,4-Dinitrophenol	151		33	10
121-14-2	2,4-Dinitrotoluene	270		33	10
121-14-2	2,4-Dinitrotoluene	270		33	10
606-20-2	2,6-Dinitrotoluene	288		33	10
606-20-2	2,6-Dinitrotoluene	288		33	10
91-58-7	2-Chloronaphthalene	222		33	10
91-58-7	2-Chloronaphthalene	222		33	10
95-57-8	2-Chlorophenol	224		33	10
95-57-8	2-Chlorophenol	224		33	10
91-57-6	2-Methylnaphthalene	260		33	10
91-57-6	2-Methylnaphthalene	225		33	10
95-48-7	2-Methylphenol	234		33	20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: | Lab Sample ID: LCS 360-48742/2-A

Matrix: Solid | Lab File ID: B10412.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/09/2009 09:58

Sample wt/vol: 30.00(g) | Date Analyzed: 09/18/2009 22:22

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

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

Analysis Batch No.: 49189 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-48-7	2-Methylphenol	234		33	20
88-74-4	2-Nitroaniline	298		170	10
88-74-4	2-Nitroaniline	298		170	10
88-75-5	2-Nitrophenol	267		33	10
88-75-5	2-Nitrophenol	267		33	10
15831-10-4	3 & 4 Methylphenol	245		33	10
15831-10-4	3 & 4 Methylphenol	245		33	10
91-94-1	3,3'-Dichlorobenzidine	106		67	10
91-94-1	3,3'-Dichlorobenzidine	106		67	10
99-09-2	3-Nitroaniline	296		170	10
99-09-2	3-Nitroaniline	296		170	10
534-52-1	4,6-Dinitro-2-methylphenol	239		170	10
534-52-1	4,6-Dinitro-2-methylphenol	239		170	10
101-55-3	4-Bromophenyl phenyl ether	291		33	10
101-55-3	4-Bromophenyl phenyl ether	291		33	10
59-50-7	4-Chloro-3-methylphenol	285		67	10
59-50-7	4-Chloro-3-methylphenol	285		67	10
106-47-8	4-Chloroaniline	238		67	10
106-47-8	4-Chloroaniline	234		67	10
7005-72-3	4-Chlorophenyl phenyl ether	286		33	10
7005-72-3	4-Chlorophenyl phenyl ether	286		33	10
100-01-6	4-Nitroaniline	288		170	10
100-01-6	4-Nitroaniline	288		170	10
100-02-7	4-Nitrophenol	314		170	10
100-02-7	4-Nitrophenol	314		170	10
83-32-9	Acenaphthene	318		33	10
83-32-9	Acenaphthene	318		33	10
208-96-8	Acenaphthylene	281		33	10
208-96-8	Acenaphthylene	281		33	10
98-86-2	Acetophenone	222		33	10
98-86-2	Acetophenone	222		33	10
62-53-3	Aniline	100		33	10
62-53-3	Aniline	89.0		33	10
120-12-7	Anthracene	330		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: | Lab Sample ID: LCS 360-48742/2-A

Matrix: Solid | Lab File ID: B10412.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/09/2009 09:58

Sample wt/vol: 30.00(g) | Date Analyzed: 09/18/2009 22:22

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

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

Analysis Batch No.: 49189 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-12-7	Anthracene	330		33	10
1912-24-9	Atrazine	347		33	10
103-33-3	Azobenzene	285		33	10
100-52-7	Benzaldehyde	326		33	10
56-55-3	Benzo[a]anthracene	341		33	10
56-55-3	Benzo[a]anthracene	341		33	10
50-32-8	Benzo[a]pyrene	324		33	10
50-32-8	Benzo[a]pyrene	324		33	10
205-99-2	Benzo[b]fluoranthene	312		33	10
205-99-2	Benzo[b]fluoranthene	312		33	10
191-24-2	Benzo[g,h,i]perylene	336		33	10
191-24-2	Benzo[g,h,i]perylene	336		33	10
207-08-9	Benzo[k]fluoranthene	339		33	10
207-08-9	Benzo[k]fluoranthene	339		33	10
65-85-0	Benzoic acid	102	J	170	15
65-85-0	Benzoic acid	102	J	170	15
119-61-9	Benzophenone	298		33	10
100-51-6	Benzyl alcohol	264		67	28
100-51-6	Benzyl alcohol	264		67	28
111-91-1	Bis(2-chloroethoxy)methane	249		33	10
111-91-1	Bis(2-chloroethoxy)methane	216		33	10
111-44-4	Bis(2-chloroethyl)ether	207		33	10
111-44-4	Bis(2-chloroethyl)ether	207		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	314		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	314		33	10
85-68-7	Butyl benzyl phthalate	315		33	10
85-68-7	Butyl benzyl phthalate	315		33	10
105-60-2	Caprolactam	297		33	10
86-74-8	Carbazole	312		33	10
86-74-8	Carbazole	312		33	10
218-01-9	Chrysene	328		33	10
218-01-9	Chrysene	328		33	10
53-70-3	Dibenz(a,h)anthracene	331		33	10
53-70-3	Dibenz(a,h)anthracene	331		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: | Lab Sample ID: LCS 360-48742/2-A

Matrix: Solid | Lab File ID: B10412.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/09/2009 09:58

Sample wt/vol: 30.00(g) | Date Analyzed: 09/18/2009 22:22

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

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

Analysis Batch No.: 49189 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
132-64-9	Dibenzofuran	275		33	10
132-64-9	Dibenzofuran	275		33	10
84-66-2	Diethyl phthalate	290		33	10
84-66-2	Diethyl phthalate	290		33	10
131-11-3	Dimethyl phthalate	278		33	10
131-11-3	Dimethyl phthalate	278		33	10
84-74-2	Di-n-butyl phthalate	350		33	29
84-74-2	Di-n-butyl phthalate	350		33	29
117-84-0	Di-n-octyl phthalate	262		33	17
117-84-0	Di-n-octyl phthalate	266		33	17
101-84-8	Diphenyl oxide	227		33	10
206-44-0	Fluoranthene	305		33	10
206-44-0	Fluoranthene	305		33	10
86-73-7	Fluorene	332		33	10
86-73-7	Fluorene	332		33	10
118-74-1	Hexachlorobenzene	295		33	10
118-74-1	Hexachlorobenzene	295		33	10
87-68-3	Hexachlorobutadiene	226		33	10
87-68-3	Hexachlorobutadiene	207		33	10
77-47-4	Hexachlorocyclopentadiene	263		67	10
77-47-4	Hexachlorocyclopentadiene	263		67	10
67-72-1	Hexachloroethane	210		33	10
67-72-1	Hexachloroethane	210		33	10
193-39-5	Indeno[1,2,3-cd]pyrene	310		33	10
193-39-5	Indeno[1,2,3-cd]pyrene	310		33	10
78-59-1	Isophorone	202		33	10
78-59-1	Isophorone	199		33	10
91-20-3	Naphthalene	229		80	10
91-20-3	Naphthalene	234		80	10
98-95-3	Nitrobenzene	236		33	10
98-95-3	Nitrobenzene	214		33	10
62-75-9	N-Nitrosodimethylamine	235		33	12
62-75-9	N-Nitrosodimethylamine	235		33	12
621-64-7	N-Nitrosodi-n-propylamine	245		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: | Lab Sample ID: LCS 360-48742/2-A

Matrix: Solid | Lab File ID: B10412.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/09/2009 09:58

Sample wt/vol: 30.00(g) | Date Analyzed: 09/18/2009 22:22

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

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

Analysis Batch No.: 49189 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
621-64-7	N-Nitrosodi-n-propylamine	245		33	10
86-30-6	N-Nitrosodiphenylamine	208		33	10
86-30-6	N-Nitrosodiphenylamine	208		33	10
87-86-5	Pentachlorophenol	245		33	10
87-86-5	Pentachlorophenol	245		33	10
85-01-8	Phenanthrene	299		40	10
85-01-8	Phenanthrene	299		40	10
108-95-2	Phenol	241		33	10
108-95-2	Phenol	241		33	10
129-00-0	Pyrene	310		33	10
129-00-0	Pyrene	310		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	86	30-130	
321-60-8	2-Fluorobiphenyl	79	30-130	
367-12-4	2-Fluorophenol	67	30-130	
4165-60-0	Nitrobenzene-d5	62	30-130	
4165-62-2	Phenol-d5	71	30-130	
1718-51-0	Terphenyl-d14	76	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10412.D		
Lims ID:	LCS 360-48742/2-A	Client ID:	
Inject. Date:	18-Sep-2009 22:22:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	lcs 360-48742/2-a		
Misc. Info.:	360-0001228-013		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	13
Lims Batch ID:	49189	Lims Sample ID:	13
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\8270B.m		
Last Update:	23-Sep-2009 09:01:33	Calib Date:	18-Sep-2009 20:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10409.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 23-Sep-2009 09:01:33

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.121	8.113	0.008	723083	2.00	
* 2 Naphthalene-d8	136	9.242	9.243	-0.001	1866752	2.00	
* 3 Acenaphthene-d10	164	10.747	10.749	-0.002	669110	2.00	
* 4 Phenanthrene-d10	188	12.021	12.018	0.003	1134324	2.00	
* 5 Chrysene-d12	240	15.739	15.735	0.003	932798	2.00	
* 6 Perylene-d12	264	18.306	18.308	-0.002	541372	2.00	
$ 7 2-Fluorophenol	112	6.914	6.863	0.051	1332423	6.73	
$ 8 Phenol-d5	99	7.746	7.729	0.017	1677698	7.06	
$ 9 Nitrobenzene-d5	82	8.602	8.604	-0.002	752505	3.08	
$ 10 2-Fluorobiphenyl	172	10.131	10.133	-0.002	1649502	3.94	
$ 11 2,4,6-Tribromophenol	330	11.415	11.417	-0.002	321210	8.59	
$ 12 Terphenyl-d14	244	13.748	13.749	-0.001	1288383	3.81	
14 1,4-Dioxane	88	4.914	4.752	0.162	308246	5.43	M
15 N-Nitrosodimethylamine	42	5.361	5.247	0.114	963667	7.05	M
16 Pyridine	79	5.419	5.339	0.080	961259	5.70	
17 Benzaldehyde	105	7.732	7.719	0.013	1015852	9.79	
18 Phenol	94	7.756	7.743	0.013	1772506	7.24	
19 Aniline	93	7.818	7.810	0.008	673579	2.67	
20 Bis(2-chloroethyl)ether	93	7.852	7.844	0.008	1285377	6.20	
21 2-Chlorophenol	128	7.934	7.926	0.008	1435928	6.72	
22 1,4-Dichlorobenzene	146	8.073	8.065	0.008	1587654	6.04	
23 1,3-Dichlorobenzene	146	8.136	8.128	0.008	1640509	6.01	
24 Benzyl alcohol	79	8.218	8.210	0.008	1121286	7.92	
25 1,2-Dichlorobenzene	146	8.275	8.272	0.003	1570187	6.23	
26 2-Methylphenol	108	8.294	8.291	0.003	1401293	7.02	
27 2,2'-oxybis[1-chloropropane]	45	8.323	8.320	0.003	2401330	6.37	
28 3 & 4 Methylphenol	108	8.420	8.416	0.004	1469682	7.34	
29 N-Nitrosodi-n-propylamine	70	8.439	8.436	0.003	1035111	7.34	
30 Acetophenone	105	8.458	8.455	0.003	1970307	6.67	
31 Hexachloroethane	117	8.578	8.580	-0.002	577227	6.29	
32 Nitrobenzene	77	8.621	8.618	0.003	1535666	6.43	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
33 Isophorone	82	8.814	8.815	-0.001	2309571	5.97	
35 2,4-Dimethylphenol	107	8.886	8.883	0.003	1568711	8.57	
34 2-Nitrophenol	139	8.896	8.897	-0.001	864687	8.02	
36 Benzoic acid	105	8.929	8.938	-0.009	190985	3.05	
37 Bis(2-chloroethoxy)methane	93	8.968	8.965	0.004	1561628	6.48	
38 2,4-Dichlorophenol	162	9.098	9.099	-0.001	1305080	8.00	
39 1,2,4-Trichlorobenzene	180	9.179	9.181	-0.002	1290616	6.84	
40 Alpha-Terpineol	59	9.223	9.224	-0.001	1253010	6.87	
41 Naphthalene	128	9.261	9.263	-0.002	4325017	7.02	
42 4-Chloroaniline	127	9.275	9.277	-0.002	2032591	7.01	
43 Hexachlorobutadiene	225	9.338	9.340	-0.002	668440	6.20	
44 Caprolactam	55	9.583	9.570	0.013	750511	8.92	
45 4-Chloro-3-methylphenol	107	9.660	9.652	0.008	1365616	8.55	
46 2-Methylnaphthalene	142	9.843	9.845	-0.002	3030202	6.76	
47 1-Methylnaphthalene	142	9.934	9.936	-0.002	3007172	6.67	
48 Hexachlorocyclopentadiene	237	9.973	9.970	0.003	487159	7.88	
49 1,2,4,5-Tetrachlorobenzene	216	9.987	9.989	-0.002	1247108	6.61	
50 2,4,6-Trichlorophenol	196	10.069	10.071	-0.002	900094	9.51	
51 2,4,5-Trichlorophenol	196	10.107	10.104	0.003	967870	9.51	
52 1,1'-Biphenyl	154	10.228	10.229	-0.001	3807065	8.25	
53 2-Chloronaphthalene	162	10.271	10.273	-0.001	2776564	6.65	
54 Phenyl ether	170	10.309	10.306	0.003	2090622	6.80	
68 4-Nitroaniline	138	10.333	10.335	-0.002	1086996	8.63	
56 Dimethyl phthalate	163	10.444	10.446	-0.002	3343582	8.34	
57 2,6-Dinitrotoluene	165	10.516	10.518	-0.002	786969	8.65	
58 Acenaphthylene	152	10.632	10.633	-0.001	4398214	8.44	
59 3-Nitroaniline	138	10.680	10.676	0.004	777498	8.89	
60 2,4-Dinitrophenol	184	10.761	10.758	0.003	159738	4.53	
62 4-Nitrophenol	109	10.776	10.768	0.008	536014	9.41	
61 Acenaphthene	153	10.776	10.777	-0.001	3579388	9.54	
63 2,4-Dinitrotoluene	165	10.867	10.864	0.003	1023703	8.09	
64 Dibenzofuran	168	10.915	10.917	-0.002	4028599	8.24	
65 2,3,4,6-Tetrachlorophenol	232	11.007	11.003	0.004	606632	7.46	
66 Diethyl phthalate	149	11.031	11.027	0.004	3548772	8.70	
67 4-Chlorophenyl phenyl ether	204	11.170	11.172	-0.002	1572302	8.59	
55 2-Nitroaniline	65	11.204	11.196	0.008	1018989	8.95	
69 Fluorene	166	11.209	11.210	-0.001	4127255	9.97	
70 4,6-Dinitro-2-methylphenol	198	11.218	11.215	0.003	421107	7.16	
72 N-Nitrosodiphenylamine	169	11.266	11.268	-0.002	2183131	6.25	
73 1,2-Diphenylhydrazine	77	11.310	11.311	-0.001	5449107	8.56	
74 Azobenzene	77	11.310	11.311	-0.001	5449107	8.56	
13 Benzophenone	105	11.324	11.321	0.003	3541118	8.94	
75 4-Bromophenyl phenyl ether	248	11.593	11.595	-0.002	867615	8.73	
77 Atrazine	200	11.680	11.677	0.003	1069104	10.4	
76 Hexachlorobenzene	284	11.685	11.686	-0.001	819538	8.85	
78 Pentachlorophenol	266	11.839	11.841	-0.002	376889	7.34	
79 Pentachloronitrobenzene	237	11.848	11.850	-0.002	383029	8.42	
80 Phenanthrene	178	12.045	12.042	0.003	5021702	8.97	
81 Anthracene	178	12.089	12.090	-0.001	5225777	9.89	
83 Carbazole	167	12.209	12.206	0.003	4269811	9.36	
84 Di-n-butyl phthalate	149	12.435	12.432	0.003	6854313	10.5	
87 Fluoranthene	202	13.300	13.297	0.003	4624082	9.15	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
86 Benzidine	184	13.406	13.414	-0.008	16348	0.6957	
85 Pyrene	202	13.627	13.629	-0.002	5245692	9.31	
89 Butyl benzyl phthalate	149	14.522	14.523	-0.001	2318374	9.46	
92 Bis(2-ethylhexyl) phthalate	149	15.609	15.605	0.004	3112465	9.42	
91 3,3'-Dichlorobenzidine	252	15.633	15.630	0.003	960482	3.17	
93 Benzo[a]anthracene	228	15.719	15.716	0.003	3976786	10.2	
94 Chrysene	228	15.782	15.779	0.003	3706625	9.85	
95 Di-n-octyl phthalate	149	16.647	16.649	-0.002	4184706	7.99	
97 Benzo[b]fluoranthene	252	17.532	17.515	0.017	2832732	9.36	
98 Benzo[k]fluoranthene	252	17.585	17.573	0.012	2832666	10.2	
99 Benzo[a]pyrene	252	18.201	18.197	0.004	2323616	9.73	
100 Indeno[1,2,3-cd]pyrene	276	20.951	20.953	-0.002	1521511	9.30	
101 Dibenz(a,h)anthracene	278	20.980	20.967	0.013	1202048	9.94	
102 Benzo[g,h,i]perylene	276	21.764	21.766	-0.002	1227556	10.1	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10412.D		
Lims ID:	LCS 360-48742/2-A	Client ID:	
Inject. Date:	18-Sep-2009 22:22:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	lcs 360-48742/2-a		
Misc. Info.:	360-0001228-013		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	13
Lims Batch ID:	49189	Lims Sample ID:	13
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\8270B.m		
Last Update:	23-Sep-2009 09:01:33	Calib Date:	18-Sep-2009 20:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10409.D		
Limit Group:	SMS - 625LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	23-Sep-2009 09:01:33

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.121	8.113	0.008	723083	2.00	
* 2 Naphthalene-d8	136	9.242	9.243	-0.001	1866752	2.00	
* 3 Acenaphthene-d10	164	10.747	10.749	-0.002	669110	2.00	
* 4 Phenanthrene-d10	188	12.021	12.018	0.003	1134324	2.00	
* 5 Chrysene-d12	240	15.739	15.735	0.003	932798	2.00	
* 6 Perylene-d12	264	18.306	18.308	-0.002	541372	2.00	
$ 7 2-Fluorophenol	112	6.914	6.863	0.051	1332423	6.73	
$ 8 Phenol-d5	99	7.746	7.729	0.017	1677698		
$ 9 Nitrobenzene-d5	82	8.602	8.604	-0.002	752505	3.05	
$ 10 2-Fluorobiphenyl	172	10.131	10.133	-0.002	1649502	3.94	
$ 11 2,4,6-Tribromophenol	330	11.415	11.417	-0.002	321210	8.59	
$ 12 Terphenyl-d14	244	13.748	13.749	-0.001	1288383	3.81	
14 1,4-Dioxane	88	4.914	4.752	0.162	308246		M
15 N-Nitrosodimethylamine	42	5.361	5.247	0.114	963667	7.05	M
16 Pyridine	79	5.419	5.339	0.080	961259	5.70	
17 Benzaldehyde	105	7.732	7.719	0.013	1015852		
18 Phenol	94	7.756	7.743	0.013	1772506	7.24	
19 Aniline	93	7.818	7.810	0.008	673579	3.01	
20 Bis(2-chloroethyl)ether	93	7.852	7.844	0.008	1285377	6.20	
21 2-Chlorophenol	128	7.934	7.926	0.008	1435928	6.72	
22 1,4-Dichlorobenzene	146	8.073	8.065	0.008	1587654	6.04	
23 1,3-Dichlorobenzene	146	8.136	8.128	0.008	1640509	6.01	
24 Benzyl alcohol	79	8.218	8.210	0.008	1121286	7.92	
25 1,2-Dichlorobenzene	146	8.275	8.272	0.003	1570187	6.23	
26 2-Methylphenol	108	8.294	8.291	0.003	1401293	7.02	
27 2,2'-oxybis[1-chloropropane]	45	8.323	8.320	0.003	2401330		
28 3 & 4 Methylphenol	108	8.420	8.416	0.004	1469682	7.34	
29 N-Nitrosodi-n-propylamine	70	8.439	8.436	0.003	1035111	7.34	
30 Acetophenone	105	8.458	8.455	0.003	1970307	6.67	
31 Hexachloroethane	117	8.578	8.580	-0.002	577227	6.29	
32 Nitrobenzene	77	8.621	8.618	0.003	1535666	7.09	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
33 Isophorone	82	8.814	8.815	-0.001	2309571	6.06	
35 2,4-Dimethylphenol	107	8.886	8.883	0.003	1568711	10.2	
34 2-Nitrophenol	139	8.896	8.897	-0.001	864687	8.02	
36 Benzoic acid	105	8.929	8.938	-0.009	190985	3.05	
37 Bis(2-chloroethoxy)methane	93	8.968	8.965	0.004	1561628	7.46	
38 2,4-Dichlorophenol	162	9.098	9.099	-0.001	1305080	8.00	
39 1,2,4-Trichlorobenzene	180	9.179	9.181	-0.002	1290616	6.84	
40 Alpha-Terpineol	59	9.223	9.224	-0.001	1253010	7.19	
41 Naphthalene	128	9.261	9.263	-0.002	4325017	6.87	
42 4-Chloroaniline	127	9.275	9.277	-0.002	2032591	7.15	
43 Hexachlorobutadiene	225	9.338	9.340	-0.002	668440	6.79	
44 Caprolactam	55	9.583	9.570	0.013	750511		
45 4-Chloro-3-methylphenol	107	9.660	9.652	0.008	1365616	8.55	
46 2-Methylnaphthalene	142	9.843	9.845	-0.002	3030202	7.79	
47 1-Methylnaphthalene	142	9.934	9.936	-0.002	3007172		
48 Hexachlorocyclopentadiene	237	9.973	9.970	0.003	487159	7.88	
49 1,2,4,5-Tetrachlorobenzene	216	9.987	9.989	-0.002	1247108		
50 2,4,6-Trichlorophenol	196	10.069	10.071	-0.002	900094	9.51	
51 2,4,5-Trichlorophenol	196	10.107	10.104	0.003	967870	9.51	
52 1,1'-Biphenyl	154	10.228	10.229	-0.001	3807065		
53 2-Chloronaphthalene	162	10.271	10.273	-0.001	2776564	6.65	
54 Phenyl ether	170	10.309	10.306	0.003	2090622		
68 4-Nitroaniline	138	10.333	10.335	-0.002	1086996	8.63	
56 Dimethyl phthalate	163	10.444	10.446	-0.002	3343582	8.34	
57 2,6-Dinitrotoluene	165	10.516	10.518	-0.002	786969	8.65	
58 Acenaphthylene	152	10.632	10.633	-0.001	4398214	8.44	
59 3-Nitroaniline	138	10.680	10.676	0.004	777498	8.89	
60 2,4-Dinitrophenol	184	10.761	10.758	0.003	159738	4.53	
62 4-Nitrophenol	109	10.776	10.768	0.008	536014	9.41	
61 Acenaphthene	153	10.776	10.777	-0.001	3579388	9.54	
63 2,4-Dinitrotoluene	165	10.867	10.864	0.003	1023703	8.09	
64 Dibenzofuran	168	10.915	10.917	-0.002	4028599	8.24	
65 2,3,4,6-Tetrachlorophenol	232	11.007	11.003	0.004	606632		
66 Diethyl phthalate	149	11.031	11.027	0.004	3548772	8.70	
67 4-Chlorophenyl phenyl ether	204	11.170	11.172	-0.002	1572302	8.59	
55 2-Nitroaniline	65	11.204	11.196	0.008	1018989	8.95	
69 Fluorene	166	11.209	11.210	-0.001	4127255	9.97	
70 4,6-Dinitro-2-methylphenol	198	11.218	11.215	0.003	421107	7.16	
72 N-Nitrosodiphenylamine	169	11.266	11.268	-0.002	2183131	6.25	
73 1,2-Diphenylhydrazine	77	11.310	11.311	-0.001	5449107	8.56	
74 Azobenzene	77	11.310	11.311	-0.001	5449107		
13 Benzophenone	105	11.324	11.321	0.003	3541118		
75 4-Bromophenyl phenyl ether	248	11.593	11.595	-0.002	867615	8.73	
77 Atrazine	200	11.680	11.677	0.003	1069104		
76 Hexachlorobenzene	284	11.685	11.686	-0.001	819538	8.85	
78 Pentachlorophenol	266	11.839	11.841	-0.002	376889	7.34	
79 Pentachloronitrobenzene	237	11.848	11.850	-0.002	383029		
80 Phenanthrene	178	12.045	12.042	0.003	5021702	8.97	
81 Anthracene	178	12.089	12.090	-0.001	5225777	9.89	
83 Carbazole	167	12.209	12.206	0.003	4269811	9.36	
84 Di-n-butyl phthalate	149	12.435	12.432	0.003	6854313	10.5	
87 Fluoranthene	202	13.300	13.297	0.003	4624082	9.15	

Report Date: 23-Sep-2009 09:01:34 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10412.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
86 Benzidine	184	13.406	13.414	-0.008	16348	0.6957	
85 Pyrene	202	13.627	13.629	-0.002	5245692	9.31	
89 Butyl benzyl phthalate	149	14.522	14.523	-0.001	2318374	9.46	
92 Bis(2-ethylhexyl) phthalate	149	15.609	15.605	0.004	3112465	9.42	
91 3,3'-Dichlorobenzidine	252	15.633	15.630	0.003	960482	3.17	
93 Benzo[a]anthracene	228	15.719	15.716	0.003	3976786	10.2	
94 Chrysene	228	15.782	15.779	0.003	3706625	9.85	
95 Di-n-octyl phthalate	149	16.647	16.649	-0.002	4184706	7.87	
97 Benzo[b]fluoranthene	252	17.532	17.515	0.017	2832732	9.36	
98 Benzo[k]fluoranthene	252	17.585	17.573	0.012	2832666	10.2	
99 Benzo[a]pyrene	252	18.201	18.197	0.004	2323616	9.73	
100 Indeno[1,2,3-cd]pyrene	276	20.951	20.953	-0.002	1521511	9.30	
101 Dibenz(a,h)anthracene	278	20.980	20.967	0.013	1202048	9.94	
102 Benzo[g,h,i]perylene	276	21.764	21.766	-0.002	1227556	10.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 23-Sep-2009 09:01:39 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10412.D

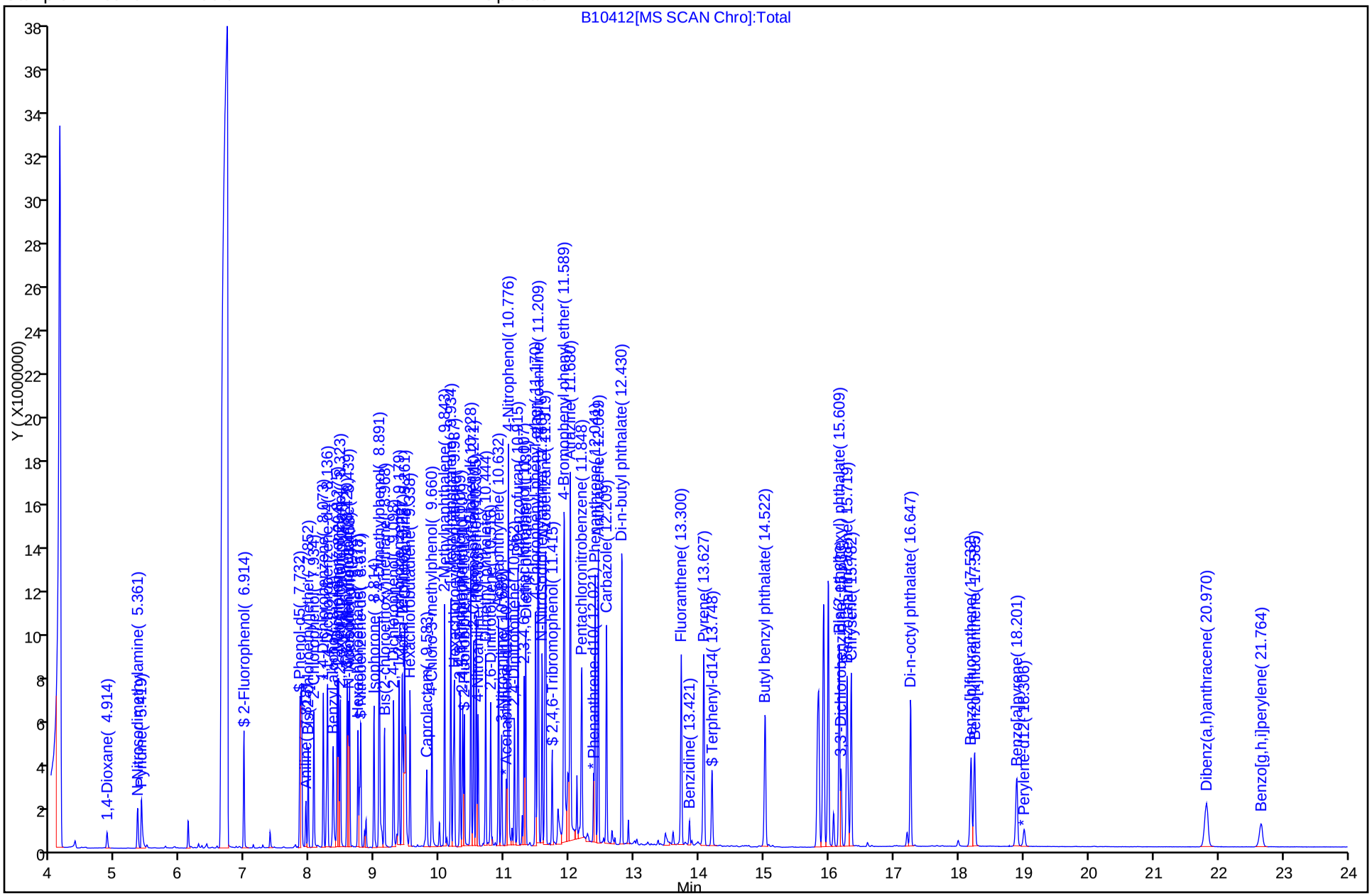
Inj Date: 18-Sep-2009 22:22:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49189 Lims Sample ID: 13

Client ID: Instrument: Inst. B

Sample Info: lcs 360-48742/2-a

Sample Amount: 2.00 uL Operator: MZ



Report Date: 23-Sep-2009 09:01:34 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10412.D

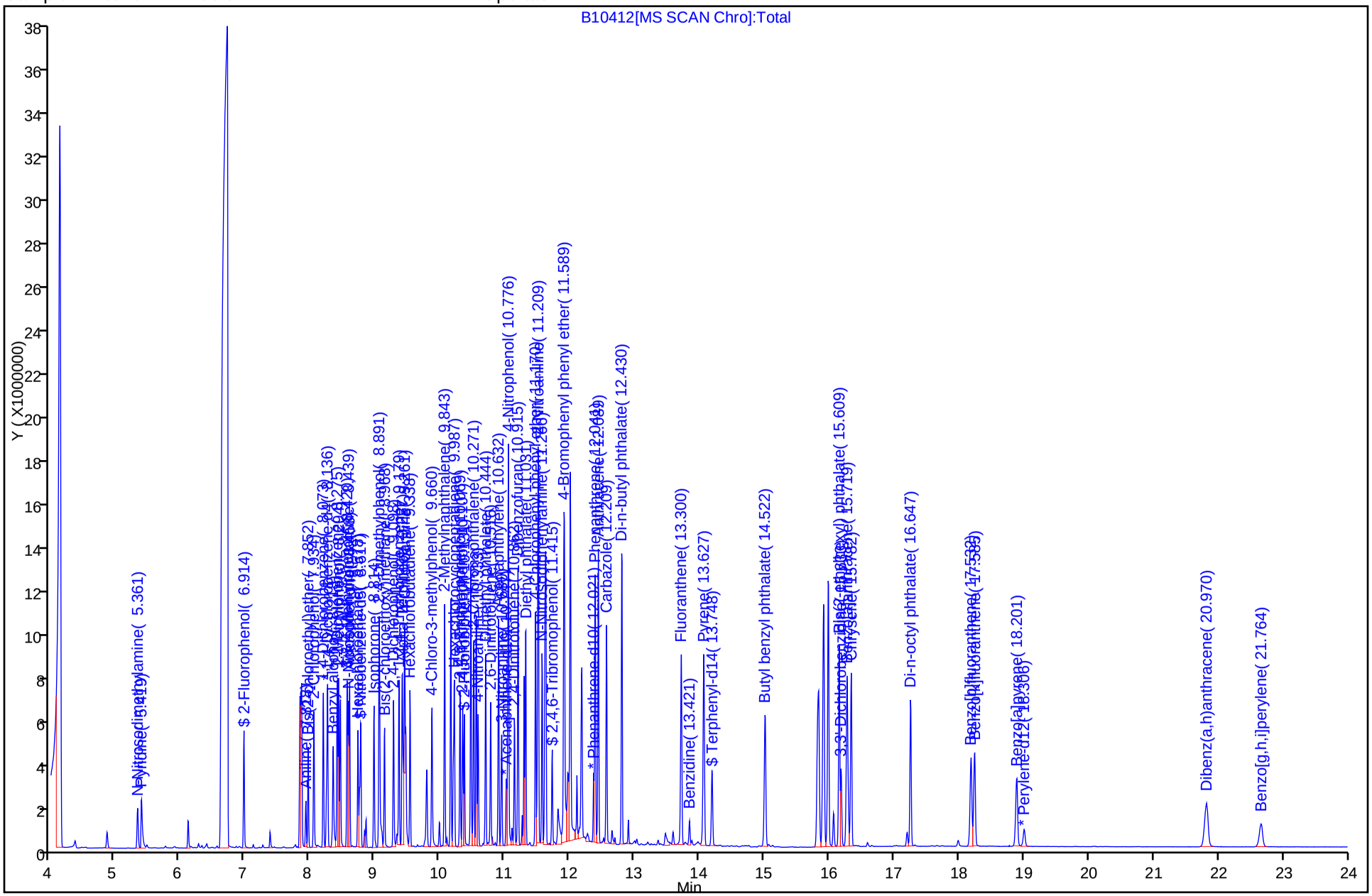
Inj Date: 18-Sep-2009 22:22:30 Limit Group: SMS - 625LL SVOA Calibration

Lims Batch ID: 49189 Lims Sample ID: 13

Client ID: Instrument: Inst. B

Sample Info: lcs 360-48742/2-a

Sample Amount: 2.00 uL Operator: MZ



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: | Lab Sample ID: LCS 360-48854/2-A

Matrix: Solid | Lab File ID: B10450.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 21:05

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49265 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	263		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	218		33	10
120-82-1	1,2,4-Trichlorobenzene	222		33	10
95-50-1	1,2-Dichlorobenzene	230		33	10
541-73-1	1,3-Dichlorobenzene	190		33	10
106-46-7	1,4-Dichlorobenzene	190		33	10
90-12-0	1-Methylnaphthalene	218		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	208		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	228		33	10
95-95-4	2,4,5-Trichlorophenol	264		33	10
88-06-2	2,4,6-Trichlorophenol	250		33	10
120-83-2	2,4-Dichlorophenol	240		33	10
105-67-9	2,4-Dimethylphenol	241		33	13
51-28-5	2,4-Dinitrophenol	192		33	10
121-14-2	2,4-Dinitrotoluene	246		33	10
606-20-2	2,6-Dinitrotoluene	268		33	10
91-58-7	2-Chloronaphthalene	199		33	10
95-57-8	2-Chlorophenol	223		33	10
91-57-6	2-Methylnaphthalene	209		33	10
95-48-7	2-Methylphenol	240		33	20
88-74-4	2-Nitroaniline	268		170	10
88-75-5	2-Nitrophenol	250		33	10
15831-10-4	3 & 4 Methylphenol	249		33	10
91-94-1	3,3'-Dichlorobenzidine	242		67	10
99-09-2	3-Nitroaniline	247		170	10
534-52-1	4,6-Dinitro-2-methylphenol	232		170	10
101-55-3	4-Bromophenyl phenyl ether	263		33	10
59-50-7	4-Chloro-3-methylphenol	274		67	10
106-47-8	4-Chloroaniline	171		67	10
7005-72-3	4-Chlorophenyl phenyl ether	262		33	10
100-01-6	4-Nitroaniline	263		170	10
100-02-7	4-Nitrophenol	281		170	10
83-32-9	Acenaphthene	294		33	10
208-96-8	Acenaphthylene	251		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: | Lab Sample ID: LCS 360-48854/2-A

Matrix: Solid | Lab File ID: B10450.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 21:05

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49265 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	228		33	10
62-53-3	Aniline	91.1		33	10
120-12-7	Anthracene	310		33	10
1912-24-9	Atrazine	282		33	10
103-33-3	Azobenzene	264		33	10
100-52-7	Benzaldehyde	248		33	10
56-55-3	Benzo[a]anthracene	314		33	10
50-32-8	Benzo[a]pyrene	327		33	10
205-99-2	Benzo[b]fluoranthene	267		33	10
191-24-2	Benzo[g,h,i]perylene	329		33	10
207-08-9	Benzo[k]fluoranthene	289		33	10
65-85-0	Benzoic acid	118	J	170	15
119-61-9	Benzophenone	285		33	10
100-51-6	Benzyl alcohol	256		67	28
111-91-1	Bis(2-chloroethoxy)methane	208		33	10
111-44-4	Bis(2-chloroethyl)ether	201		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	271		33	10
85-68-7	Butyl benzyl phthalate	259		33	10
105-60-2	Caprolactam	271		33	10
86-74-8	Carbazole	286		33	10
218-01-9	Chrysene	296		33	10
53-70-3	Dibenz(a,h)anthracene	350		33	10
132-64-9	Dibenzofuran	251		33	10
84-66-2	Diethyl phthalate	270		33	10
131-11-3	Dimethyl phthalate	260		33	10
84-74-2	Di-n-butyl phthalate	321		33	29
117-84-0	Di-n-octyl phthalate	238		33	17
101-84-8	Diphenyl oxide	229		33	10
206-44-0	Fluoranthene	293		33	10
86-73-7	Fluorene	312		33	10
118-74-1	Hexachlorobenzene	261		33	10
87-68-3	Hexachlorobutadiene	193		33	10
77-47-4	Hexachlorocyclopentadiene	181		67	10
67-72-1	Hexachloroethane	203		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: | Lab Sample ID: LCS 360-48854/2-A

Matrix: Solid | Lab File ID: B10450.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 21:05

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49265 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	351		33	10
78-59-1	Isophorone	196		33	10
91-20-3	Naphthalene	243		80	10
98-95-3	Nitrobenzene	212		33	10
62-75-9	N-Nitrosodimethylamine	219		33	12
621-64-7	N-Nitrosodi-n-propylamine	244		33	10
86-30-6	N-Nitrosodiphenylamine	187		33	10
87-86-5	Pentachlorophenol	239		33	10
85-01-8	Phenanthrene	279		40	10
108-95-2	Phenol	232		33	10
129-00-0	Pyrene	241		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	71	30-130	
321-60-8	2-Fluorobiphenyl	68	30-130	
367-12-4	2-Fluorophenol	64	30-130	
4165-60-0	Nitrobenzene-d5	58	30-130	
4165-62-2	Phenol-d5	67	30-130	
1718-51-0	Terphenyl-d14	57	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10450.D		
Lims ID:	LCS 360-48854/2-A	Client ID:	
Inject. Date:	21-Sep-2009 21:05:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	lcs 360-48742/2-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	49265	Lims Sample ID:	13
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 11:10:56	Calib Date:	21-Sep-2009 19:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 11:10:56

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.905	7.900	0.005	581995	2.00	
* 2 Naphthalene-d8	136	9.030	9.030	0.000	1527961	2.00	
* 3 Acenaphthene-d10	164	10.535	10.535	0.000	572280	2.00	
* 4 Phenanthrene-d10	188	11.805	11.800	0.005	973557	2.00	
* 5 Chrysene-d12	240	15.407	15.397	0.010	744880	2.00	
* 6 Perylene-d12	264	17.845	17.840	0.005	480175	2.00	
$ 7 2-Fluorophenol	112	6.664	6.630	0.034	1040963	6.35	
$ 8 Phenol-d5	99	7.530	7.520	0.010	1265018	6.71	
$ 9 Nitrobenzene-d5	82	8.391	8.390	0.001	570424	2.91	
$ 10 2-Fluorobiphenyl	172	9.925	9.924	0.001	1292987	3.42	
$ 11 2,4,6-Tribromophenol	330	11.204	11.204	0.000	252230	7.09	
$ 12 Terphenyl-d14	244	13.425	13.425	0.000	1007967	2.84	
14 1,4-Dioxane	88	4.481	4.351	0.130	223023	5.14	M
15 N-Nitrosodimethylamine	42	4.991	4.928	0.063	745588	6.57	
16 Pyridine	79	5.044	4.967	0.077	723908	5.56	
17 Benzaldehyde	105	7.506	7.506	0.000	802292	7.45	
18 Phenol	94	7.544	7.534	0.010	1384795	6.95	
19 Aniline	93	7.597	7.597	0.000	658063	2.73	
20 Bis(2-chloroethyl)ether	93	7.636	7.635	0.001	1000920	6.04	
21 2-Chlorophenol	128	7.717	7.708	0.009	1143944	6.69	
22 1,4-Dichlorobenzene	146	7.857	7.852	0.005	1230037	5.69	
23 1,3-Dichlorobenzene	146	7.919	7.919	0.000	1289983	5.70	
24 Benzyl alcohol	79	8.011	8.001	0.010	930959	7.69	
25 1,2-Dichlorobenzene	146	8.059	8.059	0.000	1211792	6.89	
26 2-Methylphenol	108	8.092	8.083	0.009	1097744	7.21	
27 2,2'-oxybis[1-chloropropane]	45	8.116	8.116	0.000	1888500	6.25	
28 3 & 4 Methylphenol	108	8.217	8.212	0.005	1192259	7.48	
29 N-Nitrosodi-n-propylamine	70	8.232	8.232	0.000	826393	7.32	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	8.251	8.246	0.005	1542621	6.85	
31 Hexachloroethane	117	8.366	8.366	0.000	459928	6.08	
32 Nitrobenzene	77	8.410	8.410	0.000	1232695	6.37	
33 Isophorone	82	8.607	8.607	0.000	1832331	5.89	
35 2,4-Dimethylphenol	107	8.684	8.679	0.005	1296252	7.22	
34 2-Nitrophenol	139	8.689	8.689	0.000	682687	7.51	
36 Benzoic acid	105	8.722	8.713	0.009	153198	3.54	M
37 Bis(2-chloroethoxy)methane	93	8.766	8.765	0.001	1217082	6.23	
38 2,4-Dichlorophenol	162	8.891	8.891	0.000	1042024	7.19	
39 1,2,4-Trichlorobenzene	180	8.972	8.972	0.000	1014132	6.67	
40 Alpha-Terpineol	59	9.020	9.020	0.000	1014039	6.36	
41 Naphthalene	128	9.049	9.049	0.000	3485559	7.29	
42 4-Chloroaniline	127	9.073	9.068	0.005	1223945	5.13	
43 Hexachlorobutadiene	225	9.136	9.136	0.000	527046	5.80	
44 Caprolactam	55	9.372	9.352	0.020	522417	8.14	
45 4-Chloro-3-methylphenol	107	9.453	9.448	0.005	1111717	8.22	
46 2-Methylnaphthalene	142	9.636	9.636	0.000	2435507	6.28	
47 1-Methylnaphthalene	142	9.723	9.727	-0.004	2476063	6.54	
48 Hexachlorocyclopentadiene	237	9.761	9.766	-0.005	372449	5.43	
49 1,2,4,5-Tetrachlorobenzene	216	9.775	9.780	-0.005	1004965	6.54	
50 2,4,6-Trichlorophenol	196	9.862	9.862	0.000	728821	7.50	
51 2,4,5-Trichlorophenol	196	9.901	9.896	0.004	806913	7.92	
52 1,1'-Biphenyl	154	10.021	10.021	0.000	3162303	7.88	
53 2-Chloronaphthalene	162	10.059	10.059	0.000	2235731	5.98	
54 Phenyl ether	170	10.102	10.102	0.000	1696307	6.87	
68 4-Nitroaniline	138	10.127	10.122	0.004	886276	7.88	
56 Dimethyl phthalate	163	10.242	10.237	0.005	2769774	7.81	
57 2,6-Dinitrotoluene	165	10.309	10.309	0.000	634803	8.05	
58 Acenaphthylene	152	10.420	10.420	0.000	3594682	7.52	
59 3-Nitroaniline	138	10.468	10.463	0.005	643870	7.41	
60 2,4-Dinitrophenol	184	10.550	10.550	0.000	148444	5.77	
62 4-Nitrophenol	109	10.569	10.559	0.010	445771	8.44	
61 Acenaphthene	153	10.564	10.564	0.000	2962617	8.82	
63 2,4-Dinitrotoluene	165	10.655	10.655	0.000	840607	7.37	
64 Dibenzofuran	168	10.708	10.703	0.005	3296389	7.54	
65 2,3,4,6-Tetrachlorophenol	232	10.795	10.795	0.000	511405	6.83	
66 Diethyl phthalate	149	10.824	10.824	0.000	2925803	8.10	
67 4-Chlorophenyl phenyl ether	204	10.963	10.963	0.000	1275809	7.87	
55 2-Nitroaniline	65	10.992	10.982	0.010	817880	8.03	
69 Fluorene	166	10.997	10.997	0.000	3436025	9.35	
70 4,6-Dinitro-2-methylphenol	198	11.007	11.002	0.005	364698	6.97	
72 N-Nitrosodiphenylamine	169	11.059	11.059	0.000	1779831	5.61	
74 Azobenzene	77	11.103	11.103	0.000	4594376	7.93	
73 1,2-Diphenylhydrazine	77	11.103	11.103	0.000	4594376	7.93	
13 Benzophenone	105	11.112	11.112	0.000	2979444	8.56	
75 4-Bromophenyl phenyl ether	248	11.386	11.386	0.000	703059	7.88	
77 Atrazine	200	11.473	11.468	0.005	900275	8.47	
76 Hexachlorobenzene	284	11.473	11.473	0.000	675655	7.84	
78 Pentachlorophenol	266	11.627	11.625	0.002	348101	7.17	
79 Pentachloronitrobenzene	237	11.636	11.636	0.000	321201	7.54	
80 Phenanthrene	178	11.824	11.824	0.000	4223086	8.38	
81 Anthracene	178	11.867	11.867	0.000	4388636	9.30	

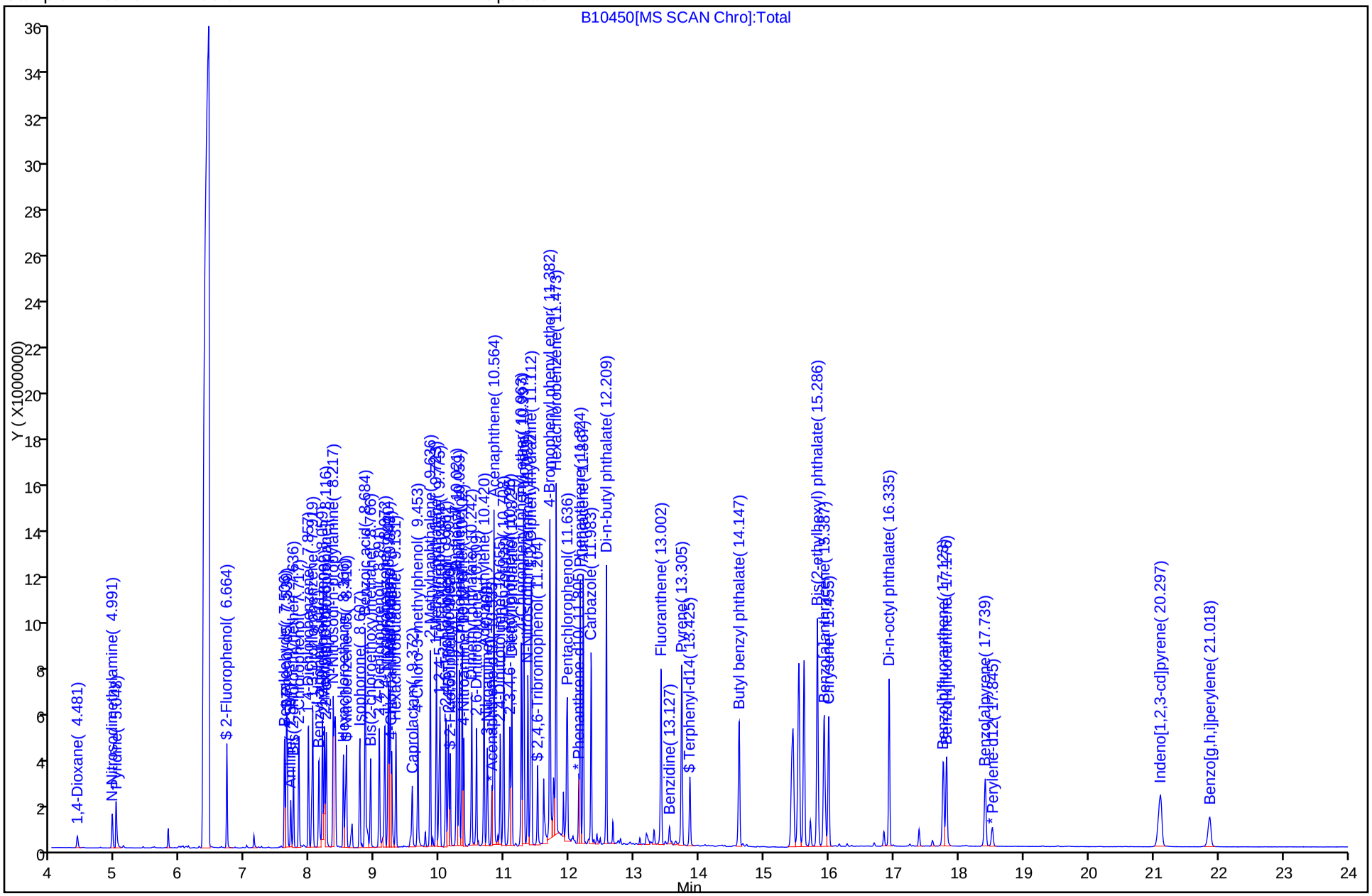
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.983	11.983	0.000	3424398	8.59	
84 Di-n-butyl phthalate	149	12.209	12.204	0.005	5721969	9.63	
87 Fluoranthene	202	13.007	13.002	0.005	3825594	8.78	
86 Benzidine	184	13.108	13.102	0.006	18382	0.4702	
85 Pyrene	202	13.310	13.305	0.005	4380205	7.24	
89 Butyl benzyl phthalate	149	14.147	14.142	0.005	1953665	7.78	
92 Bis(2-ethylhexyl) phthalate	149	15.286	15.281	0.005	2936028	8.12	
91 3,3'-Dichlorobenzidine	252	15.296	15.286	0.010	818298	7.27	
93 Benzo[a]anthracene	228	15.387	15.378	0.009	3102879	9.42	
94 Chrysene	228	15.455	15.445	0.010	2866492	8.89	
95 Di-n-octyl phthalate	149	16.335	16.335	0.000	4171134	7.14	
97 Benzo[b]fluoranthene	252	17.128	17.123	0.005	2369389	8.01	
98 Benzo[k]fluoranthene	252	17.176	17.166	0.010	2352086	8.67	
99 Benzo[a]pyrene	252	17.739	17.734	0.005	1980655	9.82	
100 Indeno[1,2,3-cd]pyrene	276	20.283	20.268	0.015	1704847	10.5	
101 Dibenz(a,h)anthracene	278	20.307	20.302	0.005	1398563	10.5	
102 Benzo[g,h,i]perylene	276	21.018	20.999	0.019	1381742	9.88	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 22-Sep-2009 11:10:57 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10450.D		
Inj Date:	21-Sep-2009 21:05:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	13
Client ID:		Instrument:	Inst. B
Sample Info:	lcs 360-48742/2-a		
Sample Amount:	1.00 ul	Operator:	MZ



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: | Lab Sample ID: LCSD 360-48742/3-A

Matrix: Solid | Lab File ID: B10413.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/09/2009 09:58

Sample wt/vol: 30.00(g) | Date Analyzed: 09/18/2009 22:54

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

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

Analysis Batch No.: 49189 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	275		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	225		33	10
120-82-1	1,2,4-Trichlorobenzene	231		33	10
120-82-1	1,2,4-Trichlorobenzene	231		33	10
95-50-1	1,2-Dichlorobenzene	207		33	10
95-50-1	1,2-Dichlorobenzene	207		33	10
541-73-1	1,3-Dichlorobenzene	202		33	10
541-73-1	1,3-Dichlorobenzene	202		33	10
106-46-7	1,4-Dichlorobenzene	200		33	10
106-46-7	1,4-Dichlorobenzene	200		33	10
90-12-0	1-Methylnaphthalene	225		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	214		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	241		33	10
95-95-4	2,4,5-Trichlorophenol	318		33	10
95-95-4	2,4,5-Trichlorophenol	318		33	10
88-06-2	2,4,6-Trichlorophenol	309		33	10
88-06-2	2,4,6-Trichlorophenol	309		33	10
120-83-2	2,4-Dichlorophenol	275		33	10
120-83-2	2,4-Dichlorophenol	275		33	10
105-67-9	2,4-Dimethylphenol	343		33	13
105-67-9	2,4-Dimethylphenol	287		33	13
51-28-5	2,4-Dinitrophenol	137		33	10
51-28-5	2,4-Dinitrophenol	137		33	10
121-14-2	2,4-Dinitrotoluene	265		33	10
121-14-2	2,4-Dinitrotoluene	265		33	10
606-20-2	2,6-Dinitrotoluene	286		33	10
606-20-2	2,6-Dinitrotoluene	286		33	10
91-58-7	2-Chloronaphthalene	221		33	10
91-58-7	2-Chloronaphthalene	221		33	10
95-57-8	2-Chlorophenol	227		33	10
95-57-8	2-Chlorophenol	227		33	10
91-57-6	2-Methylnaphthalene	264		33	10
91-57-6	2-Methylnaphthalene	228		33	10
95-48-7	2-Methylphenol	243		33	20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: | Lab Sample ID: LCSD 360-48742/3-A

Matrix: Solid | Lab File ID: B10413.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/09/2009 09:58

Sample wt/vol: 30.00(g) | Date Analyzed: 09/18/2009 22:54

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

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

Analysis Batch No.: 49189 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-48-7	2-Methylphenol	243		33	20
88-74-4	2-Nitroaniline	290		170	10
88-74-4	2-Nitroaniline	290		170	10
88-75-5	2-Nitrophenol	270		33	10
88-75-5	2-Nitrophenol	270		33	10
15831-10-4	3 & 4 Methylphenol	244		33	10
15831-10-4	3 & 4 Methylphenol	244		33	10
91-94-1	3,3'-Dichlorobenzidine	109		67	10
91-94-1	3,3'-Dichlorobenzidine	109		67	10
99-09-2	3-Nitroaniline	295		170	10
99-09-2	3-Nitroaniline	295		170	10
534-52-1	4,6-Dinitro-2-methylphenol	221		170	10
534-52-1	4,6-Dinitro-2-methylphenol	221		170	10
101-55-3	4-Bromophenyl phenyl ether	294		33	10
101-55-3	4-Bromophenyl phenyl ether	294		33	10
59-50-7	4-Chloro-3-methylphenol	289		67	10
59-50-7	4-Chloro-3-methylphenol	289		67	10
106-47-8	4-Chloroaniline	247		67	10
106-47-8	4-Chloroaniline	243		67	10
7005-72-3	4-Chlorophenyl phenyl ether	287		33	10
7005-72-3	4-Chlorophenyl phenyl ether	287		33	10
100-01-6	4-Nitroaniline	287		170	10
100-01-6	4-Nitroaniline	287		170	10
100-02-7	4-Nitrophenol	314		170	10
100-02-7	4-Nitrophenol	314		170	10
83-32-9	Acenaphthene	317		33	10
83-32-9	Acenaphthene	317		33	10
208-96-8	Acenaphthylene	282		33	10
208-96-8	Acenaphthylene	282		33	10
98-86-2	Acetophenone	223		33	10
98-86-2	Acetophenone	223		33	10
62-53-3	Aniline	106		33	10
62-53-3	Aniline	94.1		33	10
120-12-7	Anthracene	337		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: | Lab Sample ID: LCSD 360-48742/3-A

Matrix: Solid | Lab File ID: B10413.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/09/2009 09:58

Sample wt/vol: 30.00(g) | Date Analyzed: 09/18/2009 22:54

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

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

Analysis Batch No.: 49189 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-12-7	Anthracene	337		33	10
1912-24-9	Atrazine	346		33	10
103-33-3	Azobenzene	287		33	10
100-52-7	Benzaldehyde	321		33	10
56-55-3	Benzo[a]anthracene	343		33	10
56-55-3	Benzo[a]anthracene	343		33	10
50-32-8	Benzo[a]pyrene	329		33	10
50-32-8	Benzo[a]pyrene	329		33	10
205-99-2	Benzo[b]fluoranthene	314		33	10
205-99-2	Benzo[b]fluoranthene	314		33	10
191-24-2	Benzo[g,h,i]perylene	357		33	10
191-24-2	Benzo[g,h,i]perylene	357		33	10
207-08-9	Benzo[k]fluoranthene	345		33	10
207-08-9	Benzo[k]fluoranthene	345		33	10
65-85-0	Benzoic acid	82.8	J	170	15
65-85-0	Benzoic acid	82.8	J	170	15
119-61-9	Benzophenone	299		33	10
100-51-6	Benzyl alcohol	269		67	28
100-51-6	Benzyl alcohol	269		67	28
111-91-1	Bis(2-chloroethoxy)methane	255		33	10
111-91-1	Bis(2-chloroethoxy)methane	220		33	10
111-44-4	Bis(2-chloroethyl)ether	204		33	10
111-44-4	Bis(2-chloroethyl)ether	204		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	319		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	319		33	10
85-68-7	Butyl benzyl phthalate	312		33	10
85-68-7	Butyl benzyl phthalate	312		33	10
105-60-2	Caprolactam	305		33	10
86-74-8	Carbazole	309		33	10
86-74-8	Carbazole	309		33	10
218-01-9	Chrysene	330		33	10
218-01-9	Chrysene	330		33	10
53-70-3	Dibenz(a,h)anthracene	351		33	10
53-70-3	Dibenz(a,h)anthracene	351		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: | Lab Sample ID: LCSD 360-48742/3-A

Matrix: Solid | Lab File ID: B10413.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/09/2009 09:58

Sample wt/vol: 30.00(g) | Date Analyzed: 09/18/2009 22:54

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

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

Analysis Batch No.: 49189 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
132-64-9	Dibenzofuran	276		33	10
132-64-9	Dibenzofuran	276		33	10
84-66-2	Diethyl phthalate	289		33	10
84-66-2	Diethyl phthalate	289		33	10
131-11-3	Dimethyl phthalate	278		33	10
131-11-3	Dimethyl phthalate	278		33	10
84-74-2	Di-n-butyl phthalate	362		33	29
84-74-2	Di-n-butyl phthalate	362		33	29
117-84-0	Di-n-octyl phthalate	265		33	17
117-84-0	Di-n-octyl phthalate	268		33	17
101-84-8	Diphenyl oxide	228		33	10
206-44-0	Fluoranthene	305		33	10
206-44-0	Fluoranthene	305		33	10
86-73-7	Fluorene	332		33	10
86-73-7	Fluorene	332		33	10
118-74-1	Hexachlorobenzene	297		33	10
118-74-1	Hexachlorobenzene	297		33	10
87-68-3	Hexachlorobutadiene	228		33	10
87-68-3	Hexachlorobutadiene	208		33	10
77-47-4	Hexachlorocyclopentadiene	262		67	10
77-47-4	Hexachlorocyclopentadiene	262		67	10
67-72-1	Hexachloroethane	212		33	10
67-72-1	Hexachloroethane	212		33	10
193-39-5	Indeno[1,2,3-cd]pyrene	328		33	10
193-39-5	Indeno[1,2,3-cd]pyrene	328		33	10
78-59-1	Isophorone	208		33	10
78-59-1	Isophorone	204		33	10
91-20-3	Naphthalene	238		80	10
91-20-3	Naphthalene	242		80	10
98-95-3	Nitrobenzene	244		33	10
98-95-3	Nitrobenzene	220		33	10
62-75-9	N-Nitrosodimethylamine	235		33	12
62-75-9	N-Nitrosodimethylamine	235		33	12
621-64-7	N-Nitrosodi-n-propylamine	244		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: | Lab Sample ID: LCSD 360-48742/3-A

Matrix: Solid | Lab File ID: B10413.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/09/2009 09:58

Sample wt/vol: 30.00(g) | Date Analyzed: 09/18/2009 22:54

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: | Level: (low/med) Low

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

Analysis Batch No.: 49189 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
621-64-7	N-Nitrosodi-n-propylamine	244		33	10
86-30-6	N-Nitrosodiphenylamine	210		33	10
86-30-6	N-Nitrosodiphenylamine	210		33	10
87-86-5	Pentachlorophenol	239		33	10
87-86-5	Pentachlorophenol	239		33	10
85-01-8	Phenanthrene	303		40	10
85-01-8	Phenanthrene	303		40	10
108-95-2	Phenol	240		33	10
108-95-2	Phenol	240		33	10
129-00-0	Pyrene	310		33	10
129-00-0	Pyrene	310		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	83	30-130	
321-60-8	2-Fluorobiphenyl	77	30-130	
367-12-4	2-Fluorophenol	67	30-130	
4165-60-0	Nitrobenzene-d5	63	30-130	
4165-62-2	Phenol-d5	69	30-130	
1718-51-0	Terphenyl-d14	74	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10413.D		
Lims ID:	LCSD 360-48742/3-A	Client ID:	
Inject. Date:	18-Sep-2009 22:54:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	lcsd 360-48742/3-a		
Misc. Info.:	360-0001228-014		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	14
Lims Batch ID:	49189	Lims Sample ID:	14
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\8270B.m		
Last Update:	23-Sep-2009 09:04:12	Calib Date:	18-Sep-2009 20:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10409.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 23-Sep-2009 09:05:27

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.118	8.113	0.005	630465	2.00	
* 2 Naphthalene-d8	136	9.239	9.243	-0.004	1593526	2.00	
* 3 Acenaphthene-d10	164	10.744	10.749	-0.005	579802	2.00	
* 4 Phenanthrene-d10	188	12.018	12.018	0.000	976259	2.00	
* 5 Chrysene-d12	240	15.736	15.735	0.001	813373	2.00	
* 6 Perylene-d12	264	18.303	18.308	-0.005	479731	2.00	
$ 7 2-Fluorophenol	112	6.907	6.863	0.044	1158407	6.71	
$ 8 Phenol-d5	99	7.743	7.729	0.014	1425191	6.88	
$ 9 Nitrobenzene-d5	82	8.599	8.604	-0.005	661722	3.17	
$ 10 2-Fluorobiphenyl	172	10.133	10.133	0.000	1403859	3.87	
$ 11 2,4,6-Tribromophenol	330	11.417	11.417	0.000	267602	8.32	
$ 12 Terphenyl-d14	244	13.750	13.749	0.001	1097635	3.72	
14 1,4-Dioxane	88	4.901	4.752	0.149	275522	5.56	M
15 N-Nitrosodimethylamine	42	5.349	5.247	0.102	839511	7.04	
16 Pyridine	79	5.406	5.339	0.067	848224	5.77	
17 Benzaldehyde	105	7.729	7.719	0.010	869907	9.62	
18 Phenol	94	7.758	7.743	0.015	1540093	7.21	
19 Aniline	93	7.815	7.810	0.005	620778	2.82	
20 Bis(2-chloroethyl)ether	93	7.849	7.844	0.005	1108520	6.13	
21 2-Chlorophenol	128	7.936	7.926	0.010	1268483	6.81	
22 1,4-Dichlorobenzene	146	8.070	8.065	0.005	1377663	6.01	
23 1,3-Dichlorobenzene	146	8.133	8.128	0.005	1445506	6.07	
24 Benzyl alcohol	79	8.215	8.210	0.005	1001073	8.07	
25 1,2-Dichlorobenzene	146	8.277	8.272	0.005	1362095	6.20	
26 2-Methylphenol	108	8.296	8.291	0.005	1267324	7.28	
27 2,2'-oxybis[1-chloropropane]	45	8.320	8.320	0.000	2112447	6.43	
28 3 & 4 Methylphenol	108	8.421	8.416	0.005	1277546	7.32	
29 N-Nitrosodi-n-propylamine	70	8.436	8.436	0.000	899336	7.31	
30 Acetophenone	105	8.455	8.455	0.000	1724168	6.69	
31 Hexachloroethane	117	8.580	8.580	0.000	509929	6.37	
32 Nitrobenzene	77	8.619	8.618	0.001	1343609	6.59	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
33 Isophorone	82	8.811	8.815	-0.004	2015504	6.11	
35 2,4-Dimethylphenol	107	8.888	8.883	0.005	1346888	8.62	
34 2-Nitrophenol	139	8.893	8.897	-0.004	745544	8.10	
36 Benzoic acid	105	8.926	8.938	-0.012	119575	2.48	
37 Bis(2-chloroethoxy)methane	93	8.965	8.965	0.001	1359840	6.61	
38 2,4-Dichlorophenol	162	9.099	9.099	0.000	1151289	8.26	
39 1,2,4-Trichlorobenzene	180	9.176	9.181	-0.005	1113253	6.93	
40 Alpha-Terpineol	59	9.224	9.224	0.000	1093869	7.02	
41 Naphthalene	128	9.258	9.263	-0.005	3795862	7.26	
42 4-Chloroaniline	127	9.277	9.277	0.000	1780227	7.29	
43 Hexachlorobutadiene	225	9.340	9.340	0.000	573299	6.23	
44 Caprolactam	55	9.580	9.570	0.010	656875	9.15	
45 4-Chloro-3-methylphenol	107	9.657	9.652	0.005	1182005	8.67	
46 2-Methylnaphthalene	142	9.845	9.845	0.000	2619548	6.85	
47 1-Methylnaphthalene	142	9.936	9.936	0.000	2595746	6.74	
48 Hexachlorocyclopentadiene	237	9.970	9.970	0.000	420226	7.85	
49 1,2,4,5-Tetrachlorobenzene	216	9.984	9.989	-0.005	1088879	6.76	
50 2,4,6-Trichlorophenol	196	10.071	10.071	0.000	761402	9.28	
51 2,4,5-Trichlorophenol	196	10.109	10.104	0.005	842149	9.55	
52 1,1'-Biphenyl	154	10.229	10.229	0.000	3299640	8.25	
53 2-Chloronaphthalene	162	10.268	10.273	-0.004	2400416	6.63	
54 Phenyl ether	170	10.306	10.306	0.000	1792539	6.83	
68 4-Nitroaniline	138	10.335	10.335	0.000	941237	8.62	
56 Dimethyl phthalate	163	10.441	10.446	-0.005	2900750	8.35	
57 2,6-Dinitrotoluene	165	10.518	10.518	0.000	675760	8.57	
58 Acenaphthylene	152	10.633	10.633	0.000	3817552	8.45	
59 3-Nitroaniline	138	10.677	10.676	0.001	670693	8.85	
60 2,4-Dinitrophenol	184	10.758	10.758	0.000	121683	4.12	
62 4-Nitrophenol	109	10.773	10.768	0.005	465151	9.43	
61 Acenaphthene	153	10.773	10.777	-0.004	3090894	9.50	
63 2,4-Dinitrotoluene	165	10.864	10.864	0.000	871024	7.95	
64 Dibenzofuran	168	10.917	10.917	0.000	3507128	8.28	
65 2,3,4,6-Tetrachlorophenol	232	11.004	11.003	0.001	508820	7.23	
66 Diethyl phthalate	149	11.028	11.027	0.001	3066889	8.67	
67 4-Chlorophenyl phenyl ether	204	11.172	11.172	0.000	1364382	8.60	
55 2-Nitroaniline	65	11.201	11.196	0.005	858534	8.71	
69 Fluorene	166	11.210	11.210	0.000	3577139	9.97	
70 4,6-Dinitro-2-methylphenol	198	11.215	11.215	0.000	333601	6.63	
72 N-Nitrosodiphenylamine	169	11.268	11.268	0.000	1895475	6.30	
73 1,2-Diphenylhydrazine	77	11.311	11.311	0.000	4713205	8.61	
74 Azobenzene	77	11.311	11.311	0.000	4713205	8.61	
13 Benzophenone	105	11.321	11.321	0.000	3057714	8.96	
75 4-Bromophenyl phenyl ether	248	11.595	11.595	0.000	753345	8.81	
77 Atrazine	200	11.677	11.677	0.000	917107	10.4	
76 Hexachlorobenzene	284	11.687	11.686	0.001	709363	8.90	
78 Pentachlorophenol	266	11.840	11.841	-0.001	316296	7.18	
79 Pentachloronitrobenzene	237	11.850	11.850	0.000	329018	8.40	
80 Phenanthrene	178	12.042	12.042	0.000	4381055	9.09	
81 Anthracene	178	12.091	12.090	0.000	4598852	10.1	
83 Carbazole	167	12.211	12.206	0.005	3637677	9.27	
84 Di-n-butyl phthalate	149	12.432	12.432	0.000	6093103	10.8	
87 Fluoranthene	202	13.302	13.297	0.005	3976488	9.14	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
86 Benzidine	184	13.408	13.414	-0.006	15290	0.6991	
85 Pyrene	202	13.629	13.629	0.000	4564646	9.30	
89 Butyl benzyl phthalate	149	14.524	14.523	0.001	2000447	9.36	
92 Bis(2-ethylhexyl) phthalate	149	15.606	15.605	0.001	2752236	9.56	
91 3,3'-Dichlorobenzidine	252	15.635	15.630	0.005	866112	3.27	
93 Benzo[a]anthracene	228	15.721	15.716	0.005	3489953	10.3	
94 Chrysene	228	15.784	15.779	0.005	3250671	9.91	
95 Di-n-octyl phthalate	149	16.649	16.649	0.000	3740590	8.04	
97 Benzo[b]fluoranthene	252	17.529	17.515	0.014	2527262	9.42	
98 Benzo[k]fluoranthene	252	17.582	17.573	0.009	2557070	10.3	
99 Benzo[a]pyrene	252	18.198	18.197	0.001	2086068	9.86	
100 Indeno[1,2,3-cd]pyrene	276	20.953	20.953	0.000	1421127	9.85	
101 Dibenz(a,h)anthracene	278	20.977	20.967	0.010	1128857	10.5	
102 Benzo[g,h,i]perylene	276	21.761	21.766	-0.005	1153097	10.7	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10413.D		
Lims ID:	LCSD 360-48742/3-A	Client ID:	
Inject. Date:	18-Sep-2009 22:54:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	lcsd 360-48742/3-a		
Misc. Info.:	360-0001228-014		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	14
Lims Batch ID:	49189	Lims Sample ID:	14
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\8270B.m		
Last Update:	23-Sep-2009 09:04:12	Calib Date:	18-Sep-2009 20:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090918-3.b\B10409.D		
Limit Group:	SMS - 625LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 23-Sep-2009 09:05:27

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.118	8.113	0.005	630465	2.00	
* 2 Naphthalene-d8	136	9.239	9.243	-0.004	1593526	2.00	
* 3 Acenaphthene-d10	164	10.744	10.749	-0.005	579802	2.00	
* 4 Phenanthrene-d10	188	12.018	12.018	0.000	976259	2.00	
* 5 Chrysene-d12	240	15.736	15.735	0.001	813373	2.00	
* 6 Perylene-d12	264	18.303	18.308	-0.005	479731	2.00	
$ 7 2-Fluorophenol	112	6.907	6.863	0.044	1158407	6.71	
$ 8 Phenol-d5	99	7.743	7.729	0.014	1425191		
$ 9 Nitrobenzene-d5	82	8.599	8.604	-0.005	661722	3.15	
$ 10 2-Fluorobiphenyl	172	10.133	10.133	0.000	1403859	3.87	
$ 11 2,4,6-Tribromophenol	330	11.417	11.417	0.000	267602	8.32	
$ 12 Terphenyl-d14	244	13.750	13.749	0.001	1097635	3.72	
14 1,4-Dioxane	88	4.901	4.752	0.149	275522		M
15 N-Nitrosodimethylamine	42	5.349	5.247	0.102	839511	7.04	
16 Pyridine	79	5.406	5.339	0.067	848224	5.77	
17 Benzaldehyde	105	7.729	7.719	0.010	869907		
18 Phenol	94	7.758	7.743	0.015	1540093	7.21	
19 Aniline	93	7.815	7.810	0.005	620778	3.19	
20 Bis(2-chloroethyl)ether	93	7.849	7.844	0.005	1108520	6.13	
21 2-Chlorophenol	128	7.936	7.926	0.010	1268483	6.81	
22 1,4-Dichlorobenzene	146	8.070	8.065	0.005	1377663	6.01	
23 1,3-Dichlorobenzene	146	8.133	8.128	0.005	1445506	6.07	
24 Benzyl alcohol	79	8.215	8.210	0.005	1001073	8.07	
25 1,2-Dichlorobenzene	146	8.277	8.272	0.005	1362095	6.20	
26 2-Methylphenol	108	8.296	8.291	0.005	1267324	7.28	
27 2,2'-oxybis[1-chloropropane]	45	8.320	8.320	0.000	2112447		
28 3 & 4 Methylphenol	108	8.421	8.416	0.005	1277546	7.32	
29 N-Nitrosodi-n-propylamine	70	8.436	8.436	0.000	899336	7.31	
30 Acetophenone	105	8.455	8.455	0.000	1724168	6.69	
31 Hexachloroethane	117	8.580	8.580	0.000	509929	6.37	
32 Nitrobenzene	77	8.619	8.618	0.001	1343609	7.32	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
33 Isophorone	82	8.811	8.815	-0.004	2015504	6.23	
35 2,4-Dimethylphenol	107	8.888	8.883	0.005	1346888	10.3	
34 2-Nitrophenol	139	8.893	8.897	-0.004	745544	8.10	
36 Benzoic acid	105	8.926	8.938	-0.012	119575	2.48	
37 Bis(2-chloroethoxy)methane	93	8.965	8.965	0.001	1359840	7.65	
38 2,4-Dichlorophenol	162	9.099	9.099	0.000	1151289	8.26	
39 1,2,4-Trichlorobenzene	180	9.176	9.181	-0.005	1113253	6.93	
40 Alpha-Terpineol	59	9.224	9.224	0.000	1093869	7.39	
41 Naphthalene	128	9.258	9.263	-0.005	3795862	7.13	
42 4-Chloroaniline	127	9.277	9.277	0.000	1780227	7.41	
43 Hexachlorobutadiene	225	9.340	9.340	0.000	573299	6.83	
44 Caprolactam	55	9.580	9.570	0.010	656875		
45 4-Chloro-3-methylphenol	107	9.657	9.652	0.005	1182005	8.67	
46 2-Methylnaphthalene	142	9.845	9.845	0.000	2619548	7.93	
47 1-Methylnaphthalene	142	9.936	9.936	0.000	2595746		
48 Hexachlorocyclopentadiene	237	9.970	9.970	0.000	420226	7.85	
49 1,2,4,5-Tetrachlorobenzene	216	9.984	9.989	-0.005	1088879		
50 2,4,6-Trichlorophenol	196	10.071	10.071	0.000	761402	9.28	
51 2,4,5-Trichlorophenol	196	10.109	10.104	0.005	842149	9.55	
52 1,1'-Biphenyl	154	10.229	10.229	0.000	3299640		
53 2-Chloronaphthalene	162	10.268	10.273	-0.004	2400416	6.63	
54 Phenyl ether	170	10.306	10.306	0.000	1792539		
68 4-Nitroaniline	138	10.335	10.335	0.000	941237	8.62	
56 Dimethyl phthalate	163	10.441	10.446	-0.005	2900750	8.35	
57 2,6-Dinitrotoluene	165	10.518	10.518	0.000	675760	8.57	
58 Acenaphthylene	152	10.633	10.633	0.000	3817552	8.45	
59 3-Nitroaniline	138	10.677	10.676	0.001	670693	8.85	
60 2,4-Dinitrophenol	184	10.758	10.758	0.000	121683	4.12	
62 4-Nitrophenol	109	10.773	10.768	0.005	465151	9.43	
61 Acenaphthene	153	10.773	10.777	-0.004	3090894	9.50	
63 2,4-Dinitrotoluene	165	10.864	10.864	0.000	871024	7.95	
64 Dibenzofuran	168	10.917	10.917	0.000	3507128	8.28	
65 2,3,4,6-Tetrachlorophenol	232	11.004	11.003	0.001	508820		
66 Diethyl phthalate	149	11.028	11.027	0.001	3066889	8.67	
67 4-Chlorophenyl phenyl ether	204	11.172	11.172	0.000	1364382	8.60	
55 2-Nitroaniline	65	11.201	11.196	0.005	858534	8.71	
69 Fluorene	166	11.210	11.210	0.000	3577139	9.97	
70 4,6-Dinitro-2-methylphenol	198	11.215	11.215	0.000	333601	6.63	
72 N-Nitrosodiphenylamine	169	11.268	11.268	0.000	1895475	6.30	
73 1,2-Diphenylhydrazine	77	11.311	11.311	0.000	4713205	8.61	
74 Azobenzene	77	11.311	11.311	0.000	4713205		
13 Benzophenone	105	11.321	11.321	0.000	3057714		
75 4-Bromophenyl phenyl ether	248	11.595	11.595	0.000	753345	8.81	
77 Atrazine	200	11.677	11.677	0.000	917107		
76 Hexachlorobenzene	284	11.687	11.686	0.001	709363	8.90	
78 Pentachlorophenol	266	11.840	11.841	-0.001	316296	7.18	
79 Pentachloronitrobenzene	237	11.850	11.850	0.000	329018		
80 Phenanthrene	178	12.042	12.042	0.000	4381055	9.09	
81 Anthracene	178	12.091	12.090	0.000	4598852	10.1	
83 Carbazole	167	12.211	12.206	0.005	3637677	9.27	
84 Di-n-butyl phthalate	149	12.432	12.432	0.000	6093103	10.8	
87 Fluoranthene	202	13.302	13.297	0.005	3976488	9.14	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
86 Benzidine	184	13.408	13.414	-0.006	15290	0.6991	
85 Pyrene	202	13.629	13.629	0.000	4564646	9.30	
89 Butyl benzyl phthalate	149	14.524	14.523	0.001	2000447	9.36	
92 Bis(2-ethylhexyl) phthalate	149	15.606	15.605	0.001	2752236	9.56	
91 3,3'-Dichlorobenzidine	252	15.635	15.630	0.005	866112	3.27	
93 Benzo[a]anthracene	228	15.721	15.716	0.005	3489953	10.3	
94 Chrysene	228	15.784	15.779	0.005	3250671	9.91	
95 Di-n-octyl phthalate	149	16.649	16.649	0.000	3740590	7.94	
97 Benzo[b]fluoranthene	252	17.529	17.515	0.014	2527262	9.42	
98 Benzo[k]fluoranthene	252	17.582	17.573	0.009	2557070	10.3	
99 Benzo[a]pyrene	252	18.198	18.197	0.001	2086068	9.86	
100 Indeno[1,2,3-cd]pyrene	276	20.953	20.953	0.000	1421127	9.85	
101 Dibenz(a,h)anthracene	278	20.977	20.967	0.010	1128857	10.5	
102 Benzo[g,h,i]perylene	276	21.761	21.766	-0.005	1153097	10.7	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 23-Sep-2009 09:05:28 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10413.D

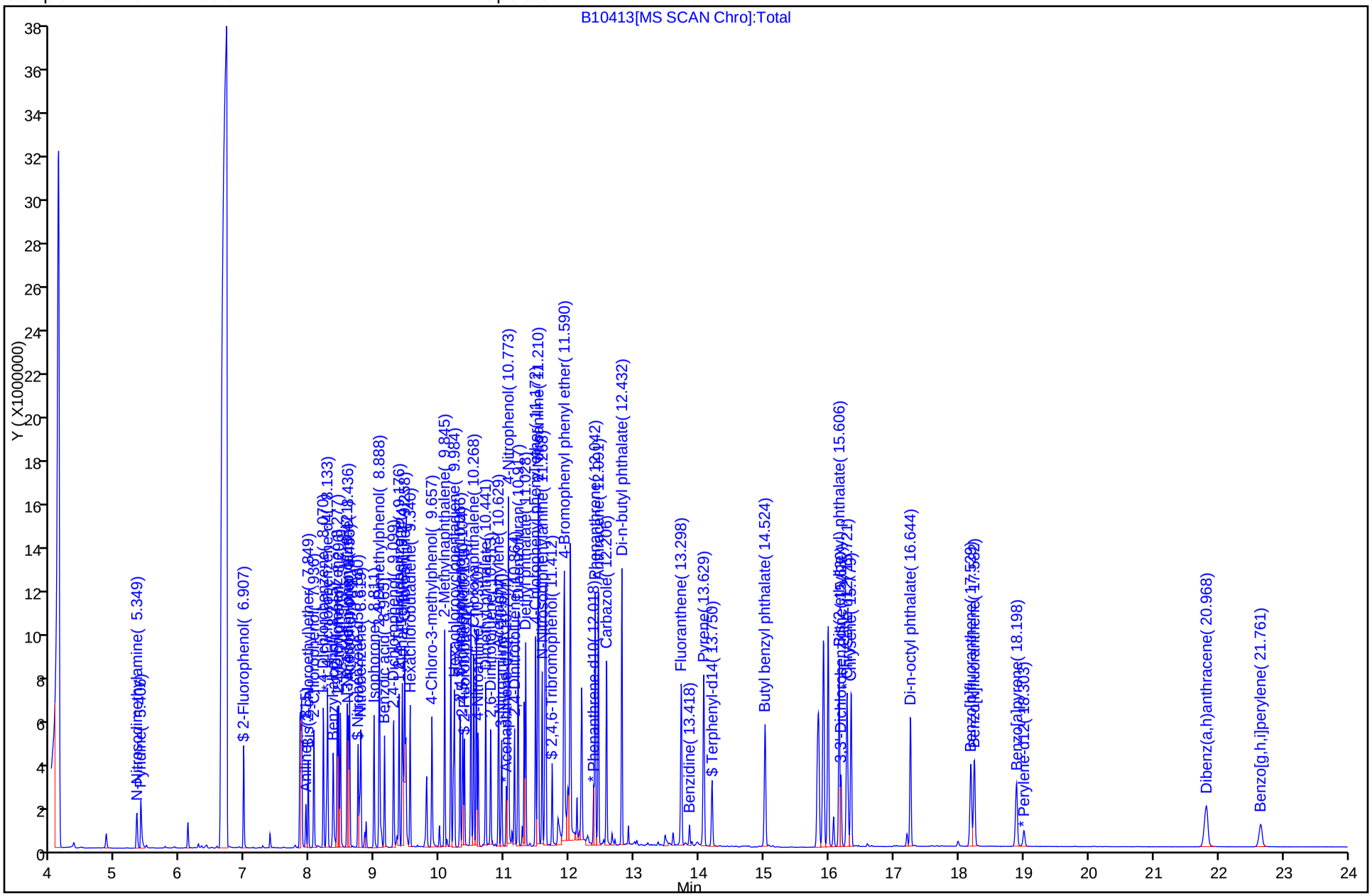
Inj Date: 18-Sep-2009 22:54:30 Limit Group: SMS - 625LL SVOA Calibration

Lims Batch ID: 49189 Lims Sample ID: 14

Client ID: Instrument: Inst. B

Sample Info: lcsd 360-48742/3-a

Sample Amount: 2.00 uL Operator: MZ



Report Date: 23-Sep-2009 09:05:33 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090918-3.b\B10413.D

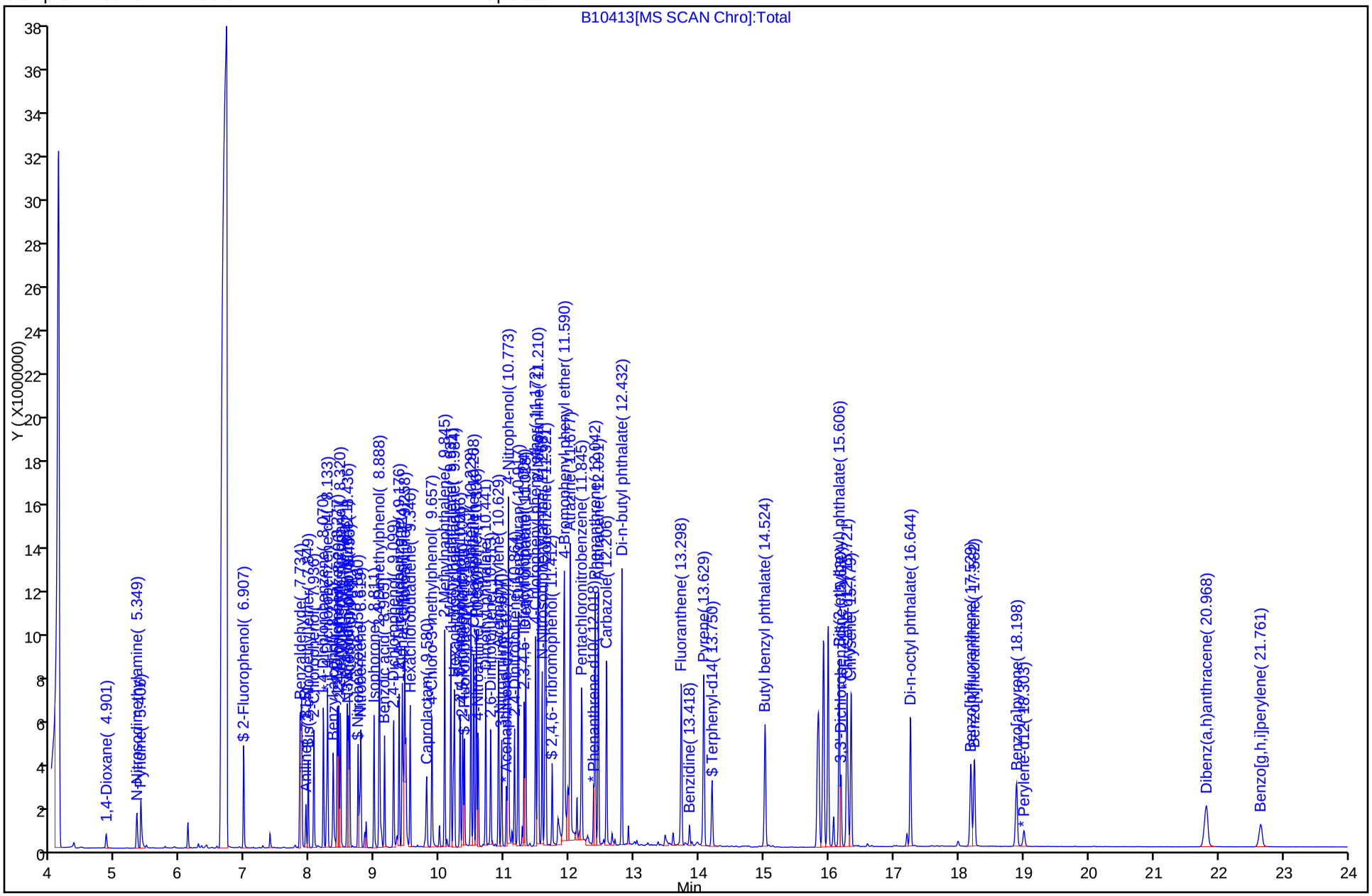
Inj Date: 18-Sep-2009 22:54:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49189 Lims Sample ID: 14

Client ID: Instrument: Inst. B

Sample Info: lcsd 360-48742/3-a

Sample Amount: 2.00 uL Operator: MZ



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: | Lab Sample ID: LCSD 360-48854/3-A

Matrix: Solid | Lab File ID: B10451.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 21:36

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49265 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	249		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	208		33	10
120-82-1	1,2,4-Trichlorobenzene	208		33	10
95-50-1	1,2-Dichlorobenzene	212		33	10
541-73-1	1,3-Dichlorobenzene	177		33	10
106-46-7	1,4-Dichlorobenzene	176		33	10
90-12-0	1-Methylnaphthalene	205		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	195		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	221		33	10
95-95-4	2,4,5-Trichlorophenol	255		33	10
88-06-2	2,4,6-Trichlorophenol	241		33	10
120-83-2	2,4-Dichlorophenol	231		33	10
105-67-9	2,4-Dimethylphenol	235		33	13
51-28-5	2,4-Dinitrophenol	199		33	10
121-14-2	2,4-Dinitrotoluene	238		33	10
606-20-2	2,6-Dinitrotoluene	262		33	10
91-58-7	2-Chloronaphthalene	194		33	10
95-57-8	2-Chlorophenol	214		33	10
91-57-6	2-Methylnaphthalene	200		33	10
95-48-7	2-Methylphenol	224		33	20
88-74-4	2-Nitroaniline	252		170	10
88-75-5	2-Nitrophenol	241		33	10
15831-10-4	3 & 4 Methylphenol	237		33	10
91-94-1	3,3'-Dichlorobenzidine	236		67	10
99-09-2	3-Nitroaniline	240		170	10
534-52-1	4,6-Dinitro-2-methylphenol	225		170	10
101-55-3	4-Bromophenyl phenyl ether	250		33	10
59-50-7	4-Chloro-3-methylphenol	268		67	10
106-47-8	4-Chloroaniline	170		67	10
7005-72-3	4-Chlorophenyl phenyl ether	253		33	10
100-01-6	4-Nitroaniline	254		170	10
100-02-7	4-Nitrophenol	277		170	10
83-32-9	Acenaphthene	281		33	10
208-96-8	Acenaphthylene	243		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: | Lab Sample ID: LCSD 360-48854/3-A

Matrix: Solid | Lab File ID: B10451.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 21:36

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49265 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	221		33	10
62-53-3	Aniline	88.2		33	10
120-12-7	Anthracene	294		33	10
1912-24-9	Atrazine	271		33	10
103-33-3	Azobenzene	249		33	10
100-52-7	Benzaldehyde	234		33	10
56-55-3	Benzo[a]anthracene	301		33	10
50-32-8	Benzo[a]pyrene	320		33	10
205-99-2	Benzo[b]fluoranthene	272		33	10
191-24-2	Benzo[g,h,i]perylene	296		33	10
207-08-9	Benzo[k]fluoranthene	282		33	10
65-85-0	Benzoic acid	118	J	170	15
119-61-9	Benzophenone	267		33	10
100-51-6	Benzyl alcohol	243		67	28
111-91-1	Bis(2-chloroethoxy)methane	200		33	10
111-44-4	Bis(2-chloroethyl)ether	188		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	261		33	10
85-68-7	Butyl benzyl phthalate	258		33	10
105-60-2	Caprolactam	278		33	10
86-74-8	Carbazole	277		33	10
218-01-9	Chrysene	287		33	10
53-70-3	Dibenz(a,h)anthracene	311		33	10
132-64-9	Dibenzofuran	244		33	10
84-66-2	Diethyl phthalate	267		33	10
131-11-3	Dimethyl phthalate	253		33	10
84-74-2	Di-n-butyl phthalate	312		33	29
117-84-0	Di-n-octyl phthalate	244		33	17
101-84-8	Diphenyl oxide	214		33	10
206-44-0	Fluoranthene	281		33	10
86-73-7	Fluorene	303		33	10
118-74-1	Hexachlorobenzene	245		33	10
87-68-3	Hexachlorobutadiene	179		33	10
77-47-4	Hexachlorocyclopentadiene	186		67	10
67-72-1	Hexachloroethane	188		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24365-2

SDG No.: OCRI-09A

Client Sample ID: | Lab Sample ID: LCSD 360-48854/3-A

Matrix: Solid | Lab File ID: B10451.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 21:36

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49265 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	316		33	10
78-59-1	Isophorone	187		33	10
91-20-3	Naphthalene	228		80	10
98-95-3	Nitrobenzene	199		33	10
62-75-9	N-Nitrosodimethylamine	204		33	12
621-64-7	N-Nitrosodi-n-propylamine	230		33	10
86-30-6	N-Nitrosodiphenylamine	179		33	10
87-86-5	Pentachlorophenol	239		33	10
85-01-8	Phenanthrene	267		40	10
108-95-2	Phenol	224		33	10
129-00-0	Pyrene	243		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	70	30-130	
321-60-8	2-Fluorobiphenyl	67	30-130	
367-12-4	2-Fluorophenol	62	30-130	
4165-60-0	Nitrobenzene-d5	57	30-130	
4165-62-2	Phenol-d5	65	30-130	
1718-51-0	Terphenyl-d14	60	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10451.D		
Lims ID:	LCSD 360-48854/3-A	Client ID:	
Inject. Date:	21-Sep-2009 21:36:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	lcsd 360-48742/3-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	49265	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 11:12:58	Calib Date:	21-Sep-2009 19:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 11:12:58

WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.901	7.900	0.001	586095	2.00	
* 2 Naphthalene-d8	136	9.031	9.030	0.001	1527106	2.00	
* 3 Acenaphthene-d10	164	10.536	10.535	0.001	571559	2.00	
* 4 Phenanthrene-d10	188	11.801	11.800	0.001	992925	2.00	
* 5 Chrysene-d12	240	15.403	15.397	0.006	719889	2.00	
* 6 Perylene-d12	264	17.836	17.840	-0.004	430605	2.00	
$ 7 2-Fluorophenol	112	6.661	6.630	0.031	1030400	6.24	
$ 8 Phenol-d5	99	7.531	7.520	0.011	1240948	6.53	
$ 9 Nitrobenzene-d5	82	8.392	8.390	0.002	559367	2.86	
$ 10 2-Fluorobiphenyl	172	9.926	9.924	0.002	1267187	3.36	
$ 11 2,4,6-Tribromophenol	330	11.205	11.204	0.001	253964	7.00	
$ 12 Terphenyl-d14	244	13.427	13.425	0.002	1026661	3.00	
14 1,4-Dioxane	88	4.458	4.351	0.107	197985	4.57	M
15 N-Nitrosodimethylamine	42	4.973	4.928	0.045	699019	6.12	
16 Pyridine	79	5.030	4.967	0.063	653318	4.99	
17 Benzaldehyde	105	7.507	7.506	0.001	761363	7.02	
18 Phenol	94	7.545	7.534	0.011	1348106	6.72	
19 Aniline	93	7.598	7.597	0.001	641374	2.65	
20 Bis(2-chloroethyl)ether	93	7.637	7.635	0.002	942141	5.64	
21 2-Chlorophenol	128	7.714	7.708	0.006	1107740	6.43	
22 1,4-Dichlorobenzene	146	7.853	7.852	0.001	1147323	5.27	
23 1,3-Dichlorobenzene	146	7.920	7.919	0.001	1208967	5.31	
24 Benzyl alcohol	79	8.007	8.001	0.006	889675	7.30	
25 1,2-Dichlorobenzene	146	8.060	8.059	0.001	1130994	6.37	
26 2-Methylphenol	108	8.094	8.083	0.011	1028445	6.71	
27 2,2'-oxybis[1-chloropropane]	45	8.118	8.116	0.002	1776224	5.84	
28 3 & 4 Methylphenol	108	8.219	8.212	0.007	1139231	7.10	
29 N-Nitrosodi-n-propylamine	70	8.233	8.232	0.001	786203	6.91	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	8.247	8.246	0.001	1500752	6.62	
31 Hexachloroethane	117	8.368	8.366	0.002	428536	5.63	
32 Nitrobenzene	77	8.411	8.410	0.001	1151499	5.96	
33 Isophorone	82	8.608	8.607	0.001	1742123	5.61	
35 2,4-Dimethylphenol	107	8.685	8.679	0.006	1263684	7.05	
34 2-Nitrophenol	139	8.690	8.689	0.001	656602	7.23	
36 Benzoic acid	105	8.728	8.713	0.015	153571	3.54	
37 Bis(2-chloroethoxy)methane	93	8.767	8.765	0.002	1174021	6.01	
38 2,4-Dichlorophenol	162	8.892	8.891	0.001	1003846	6.93	
39 1,2,4-Trichlorobenzene	180	8.974	8.972	0.002	961408	6.25	
40 Alpha-Terpineol	59	9.022	9.020	0.002	959284	6.02	
41 Naphthalene	128	9.051	9.049	0.001	3273373	6.83	
42 4-Chloroaniline	127	9.070	9.068	0.002	1217073	5.10	
43 Hexachlorobutadiene	225	9.137	9.136	0.001	488169	5.37	
44 Caprolactam	55	9.373	9.352	0.021	535605	8.35	
45 4-Chloro-3-methylphenol	107	9.454	9.448	0.006	1087544	8.04	
46 2-Methylnaphthalene	142	9.637	9.636	0.001	2325658	6.00	
47 1-Methylnaphthalene	142	9.724	9.727	-0.003	2330246	6.16	
48 Hexachlorocyclopentadiene	237	9.762	9.766	-0.004	382278	5.58	
49 1,2,4,5-Tetrachlorobenzene	216	9.777	9.780	-0.003	959885	6.25	
50 2,4,6-Trichlorophenol	196	9.863	9.862	0.001	702087	7.23	
51 2,4,5-Trichlorophenol	196	9.902	9.896	0.006	778215	7.65	
52 1,1'-Biphenyl	154	10.022	10.021	0.001	2991402	7.46	
53 2-Chloronaphthalene	162	10.060	10.059	0.001	2169391	5.81	
54 Phenyl ether	170	10.104	10.102	0.002	1582610	6.41	
68 4-Nitroaniline	138	10.128	10.122	0.006	856809	7.63	
56 Dimethyl phthalate	163	10.243	10.237	0.006	2689221	7.60	
57 2,6-Dinitrotoluene	165	10.310	10.309	0.001	619573	7.87	
58 Acenaphthylene	152	10.421	10.420	0.001	3482311	7.30	
59 3-Nitroaniline	138	10.469	10.463	0.006	624025	7.20	
60 2,4-Dinitrophenol	184	10.551	10.550	0.001	155373	5.98	
62 4-Nitrophenol	109	10.570	10.559	0.011	437672	8.31	
61 Acenaphthene	153	10.565	10.564	0.001	2829603	8.43	
63 2,4-Dinitrotoluene	165	10.657	10.655	0.002	812069	7.13	
64 Dibenzofuran	168	10.705	10.703	0.002	3202469	7.33	
65 2,3,4,6-Tetrachlorophenol	232	10.796	10.795	0.001	494380	6.62	
66 Diethyl phthalate	149	10.825	10.824	0.001	2887647	8.00	
67 4-Chlorophenyl phenyl ether	204	10.964	10.963	0.001	1230075	7.60	
55 2-Nitroaniline	65	10.993	10.982	0.011	769557	7.57	
69 Fluorene	166	10.998	10.997	0.001	3340312	9.10	
70 4,6-Dinitro-2-methylphenol	198	11.008	11.002	0.006	357640	6.74	
72 N-Nitrosodiphenylamine	169	11.061	11.059	0.002	1733967	5.36	
74 Azobenzene	77	11.104	11.103	0.001	4419995	7.48	
73 1,2-Diphenylhydrazine	77	11.104	11.103	0.001	4419995	7.48	
13 Benzophenone	105	11.113	11.112	0.001	2846482	8.02	
75 4-Bromophenyl phenyl ether	248	11.388	11.386	0.002	681513	7.49	
77 Atrazine	200	11.474	11.468	0.006	882525	8.14	
76 Hexachlorobenzene	284	11.474	11.473	0.001	645197	7.34	
78 Pentachlorophenol	266	11.628	11.625	0.003	356148	7.18	
79 Pentachloronitrobenzene	237	11.638	11.636	0.002	319853	7.36	
80 Phenanthrene	178	11.825	11.824	0.001	4112911	8.00	
81 Anthracene	178	11.868	11.867	0.001	4236461	8.81	

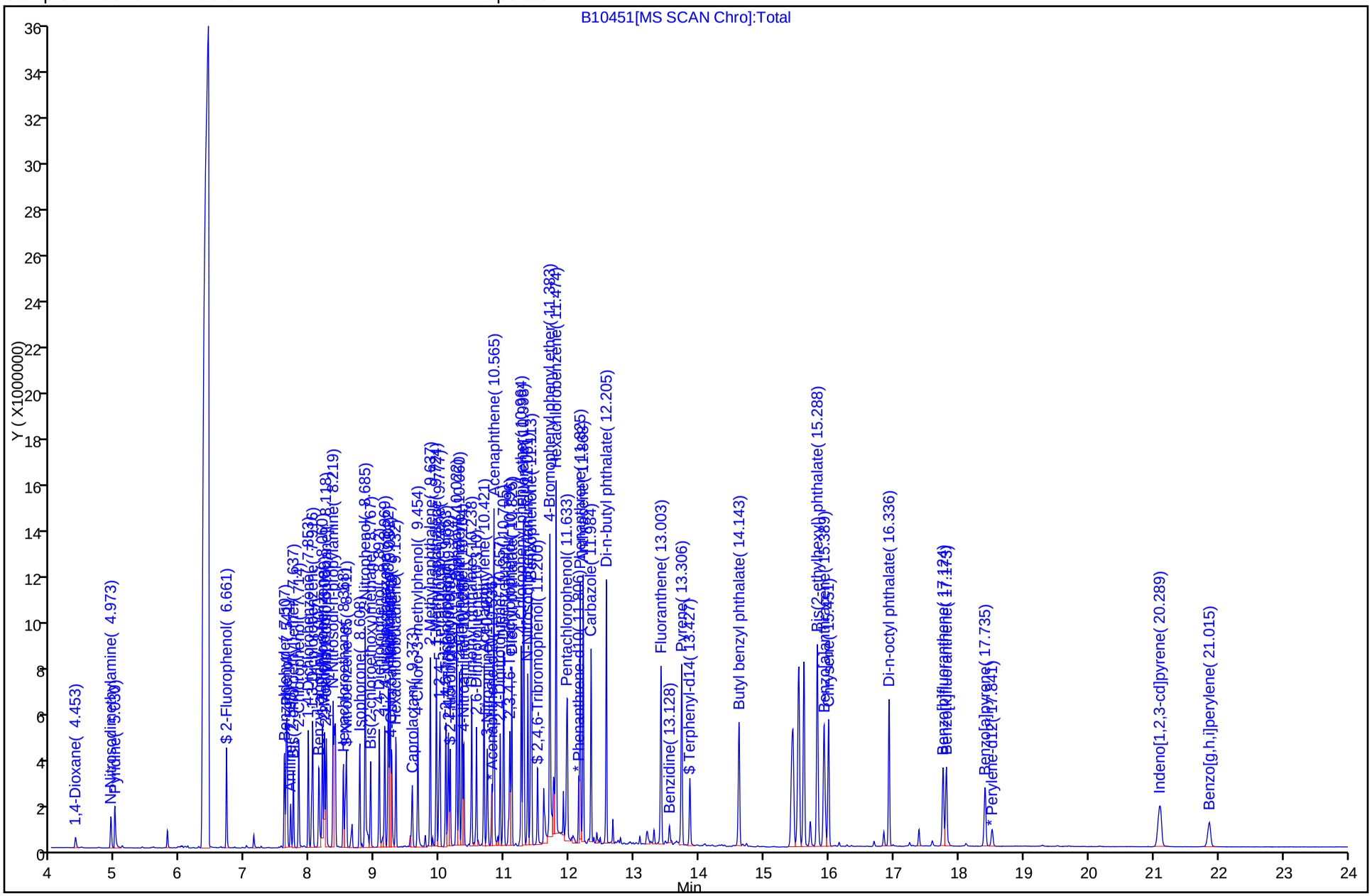
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.984	11.983	0.001	3380432	8.31	
84 Di-n-butyl phthalate	149	12.210	12.204	0.006	5668231	9.35	
87 Fluoranthene	202	13.003	13.002	0.001	3751276	8.44	
86 Benzidine	184	13.109	13.102	0.007	16589	0.4382	
85 Pyrene	202	13.306	13.305	0.001	4261651	7.29	
89 Butyl benzyl phthalate	149	14.143	14.142	0.001	1876489	7.73	
92 Bis(2-ethylhexyl) phthalate	149	15.288	15.281	0.007	2733740	7.82	
91 3,3'-Dichlorobenzidine	252	15.297	15.286	0.011	769681	7.07	
93 Benzo[a]anthracene	228	15.384	15.378	0.006	2870548	9.02	
94 Chrysene	228	15.451	15.445	0.006	2684321	8.61	
95 Di-n-octyl phthalate	149	16.336	16.335	0.001	3841073	7.33	
97 Benzo[b]fluoranthene	252	17.124	17.123	0.001	2167844	8.17	
98 Benzo[k]fluoranthene	252	17.173	17.166	0.007	2058405	8.46	
99 Benzo[a]pyrene	252	17.740	17.734	0.006	1737271	9.60	
100 Indeno[1,2,3-cd]pyrene	276	20.274	20.268	0.006	1373580	9.47	
101 Dibenz(a,h)anthracene	278	20.303	20.302	0.001	1113164	9.32	
102 Benzo[g,h,i]perylene	276	21.015	20.999	0.016	1114397	8.88	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 22-Sep-2009 11:12:59 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10451.D		
Inj Date:	21-Sep-2009 21:36:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	14
Client ID:		Instrument:	Inst. B
Sample Info:	lcsd 360-48742/3-a		
Sample Amount:	1.00 ul	Operator:	MZ



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Instrument ID: Inst. B Start Date: 09/18/2009 23:25

Analysis Batch Number: 49187 End Date: 09/19/2009 10:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49187/1		09/18/2009 23:25	1	B10414.D	Rtx-5ms 0.25(um)
CCV 360-49187/2 CCVIS		09/18/2009 23:56	1	B10415.D	Rtx-5ms 0.25(um)
ZZZZZ		09/19/2009 00:27	1		Rtx-5ms 0.25(um)
ZZZZZ		09/19/2009 00:58	1		Rtx-5ms 0.25(um)
ZZZZZ		09/19/2009 01:30	1		Rtx-5ms 0.25(um)
ZZZZZ		09/19/2009 02:01	1		Rtx-5ms 0.25(um)
ZZZZZ		09/19/2009 02:32	1		Rtx-5ms 0.25(um)
ZZZZZ		09/19/2009 03:03	1		Rtx-5ms 0.25(um)
ZZZZZ		09/19/2009 03:34	1		Rtx-5ms 0.25(um)
ZZZZZ		09/19/2009 04:05	1		Rtx-5ms 0.25(um)
ZZZZZ		09/19/2009 04:36	1		Rtx-5ms 0.25(um)
ZZZZZ		09/19/2009 05:06	1		Rtx-5ms 0.25(um)
ZZZZZ		09/19/2009 05:37	1		Rtx-5ms 0.25(um)
ZZZZZ		09/19/2009 06:08	1		Rtx-5ms 0.25(um)
ZZZZZ		09/19/2009 06:39	1		Rtx-5ms 0.25(um)
ZZZZZ		09/19/2009 07:10	10		Rtx-5ms 0.25(um)
360-24365-2	OC-SB-442-20/22-XXX	09/19/2009 08:12	1	B10430.D	Rtx-5ms 0.25(um)
ZZZZZ		09/19/2009 08:42	1		Rtx-5ms 0.25(um)
ZZZZZ		09/19/2009 09:13	10		Rtx-5ms 0.25(um)
ZZZZZ		09/19/2009 09:44	50		Rtx-5ms 0.25(um)
ZZZZZ		09/19/2009 10:15	10		Rtx-5ms 0.25(um)
ZZZZZ		09/19/2009 10:46	1		Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Instrument ID: Inst. B Start Date: 09/18/2009 16:08

Analysis Batch Number: 49189 End Date: 09/18/2009 22:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49189/1		09/18/2009 16:08	1	B10400.D	Rtx-5ms 0.25(um)
STD5 360-49189/2 ICIS		09/18/2009 16:39	1	B10401.D	Rtx-5ms 0.25(um)
STD01 360-49189/3 IC		09/18/2009 17:10	1	B10402.D	Rtx-5ms 0.25(um)
STD025 360-49189/4 IC		09/18/2009 17:41	1	B10403.D	Rtx-5ms 0.25(um)
STD05 360-49189/5 IC		09/18/2009 18:12	1	B10404.D	Rtx-5ms 0.25(um)
STD1 360-49189/6 IC		09/18/2009 18:44	1	B10405.D	Rtx-5ms 0.25(um)
STD25 360-49189/7 IC		09/18/2009 19:15	1	B10406.D	Rtx-5ms 0.25(um)
STD8 360-49189/8 IC		09/18/2009 19:46	1	B10407.D	Rtx-5ms 0.25(um)
STD10 360-49189/9 IC		09/18/2009 20:17	1	B10408.D	Rtx-5ms 0.25(um)
STD20 360-49189/10 IC		09/18/2009 20:49	1	B10409.D	Rtx-5ms 0.25(um)
ICV 360-49189/11		09/18/2009 21:20	1		Rtx-5ms 0.25(um)
MB 360-48742/1-A		09/18/2009 21:51	1	B10411.D	Rtx-5ms 0.25(um)
LCS 360-48742/2-A		09/18/2009 22:22	1	B10412.D	Rtx-5ms 0.25(um)
LCSD 360-48742/3-A		09/18/2009 22:54	1	B10413.D	Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Instrument ID: Inst. B Start Date: 09/21/2009 14:53

Analysis Batch Number: 49265 End Date: 09/21/2009 21:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49265/1		09/21/2009 14:53	1	B10438.D	Rtx-5ms 0.25(um)
STD5 360-49265/2 ICIS		09/21/2009 15:24	1		Rtx-5ms 0.25(um)
STD01 360-49265/3 IC		09/21/2009 15:55	1	B10440.D	Rtx-5ms 0.25(um)
STD025 360-49265/4 IC		09/21/2009 16:25	1	B10441.D	Rtx-5ms 0.25(um)
STD05 360-49265/5 IC		09/21/2009 16:56	1	B10442.D	Rtx-5ms 0.25(um)
STD1 360-49265/6 IC		09/21/2009 17:27	1	B10443.D	Rtx-5ms 0.25(um)
STD25 360-49265/7 IC		09/21/2009 17:58	1	B10444.D	Rtx-5ms 0.25(um)
STD8 360-49265/8 IC		09/21/2009 18:29	1	B10445.D	Rtx-5ms 0.25(um)
STD10 360-49265/9 IC		09/21/2009 19:00	1	B10446.D	Rtx-5ms 0.25(um)
STD20 360-49265/10 IC		09/21/2009 19:31	1	B10447.D	Rtx-5ms 0.25(um)
ICV 360-49265/11		09/21/2009 20:02	1		Rtx-5ms 0.25(um)
MB 360-48854/1-A		09/21/2009 20:33	1	B10449.D	Rtx-5ms 0.25(um)
LCS 360-48854/2-A		09/21/2009 21:05	1	B10450.D	Rtx-5ms 0.25(um)
LCSD 360-48854/3-A		09/21/2009 21:36	1	B10451.D	Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Instrument ID: Inst. B Start Date: 09/21/2009 22:07

Analysis Batch Number: 49266 End Date: 09/22/2009 09:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49266/15		09/21/2009 22:07	1	B10452.D	Rtx-5ms 0.25(um)
CCV 360-49266/16 CCVIS		09/21/2009 22:38	1	B10453.D	Rtx-5ms 0.25(um)
ZZZZZ		09/21/2009 23:09	1		Rtx-5ms 0.25(um)
ZZZZZ		09/21/2009 23:40	100		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 00:11	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 00:42	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 01:13	1		Rtx-5ms 0.25(um)
360-24365-9	OC-SB-452-13/15-XXX	09/22/2009 01:44	1	B10457.D	Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 02:15	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 02:46	10		Rtx-5ms 0.25(um)
360-24365-14	OC-SB-458-22/24-XXX	09/22/2009 03:17	1	B10460.D	Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 03:48	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 04:19	10		Rtx-5ms 0.25(um)
360-24365-17	OC-SB-460-30/32-XXX	09/22/2009 04:50	1	B10463.D	Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 05:21	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 05:52	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 06:23	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 06:54	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 07:25	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 07:56	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 08:27	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 08:58	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 09:29	10		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 09:59	1		Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Instrument ID: Inst. J Start Date: 10/04/2009 10:01

Analysis Batch Number: 49846 End Date: 10/04/2009 15:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49846/1		10/04/2009 10:01	1	J03293.D	Rtx-5ms 0.25(um)
STD5 360-49846/2 ICIS		10/04/2009 10:34	1	J03294.D	Rtx-5ms 0.25(um)
STD01 360-49846/3 IC		10/04/2009 11:07	1	J03295.D	Rtx-5ms 0.25(um)
STD025 360-49846/4 IC		10/04/2009 11:39	1	J03296.D	Rtx-5ms 0.25(um)
STD05 360-49846/5 IC		10/04/2009 12:12	1	J03297.D	Rtx-5ms 0.25(um)
STD1 360-49846/6 IC		10/04/2009 12:45	1	J03298.D	Rtx-5ms 0.25(um)
STD25 360-49846/7 IC		10/04/2009 13:18	1	J03299.D	Rtx-5ms 0.25(um)
STD8 360-49846/8 IC		10/04/2009 13:51	1	J03300.D	Rtx-5ms 0.25(um)
STD10 360-49846/9 IC		10/04/2009 14:24	1	J03301.D	Rtx-5ms 0.25(um)
STD20 360-49846/10 IC		10/04/2009 14:57	1	J03302.D	Rtx-5ms 0.25(um)
ICV 360-49846/11		10/04/2009 15:30	1		Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Instrument ID: Inst. J Start Date: 10/04/2009 16:02

Analysis Batch Number: 49847 End Date: 10/04/2009 23:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49847/12		10/04/2009 16:02	1	J03304.D	Rtx-5ms 0.25(um)
CCV 360-49847/13 CCVIS		10/04/2009 16:35	1	J03305.D	Rtx-5ms 0.25(um)
ZZZZZ		10/04/2009 17:08	1		Rtx-5ms 0.25(um)
ZZZZZ		10/04/2009 17:41	1		Rtx-5ms 0.25(um)
ZZZZZ		10/04/2009 18:14	10		Rtx-5ms 0.25(um)
ZZZZZ		10/04/2009 18:47	1		Rtx-5ms 0.25(um)
ZZZZZ		10/04/2009 19:20	1		Rtx-5ms 0.25(um)
ZZZZZ		10/04/2009 19:53	1		Rtx-5ms 0.25(um)
ZZZZZ		10/04/2009 20:26	1		Rtx-5ms 0.25(um)
ZZZZZ		10/04/2009 20:59	1		Rtx-5ms 0.25(um)
ZZZZZ		10/04/2009 21:31	1		Rtx-5ms 0.25(um)
ZZZZZ		10/04/2009 22:04	1		Rtx-5ms 0.25(um)
360-24365-6 DL	OC-SB-447-18/20-XXX DL	10/04/2009 22:37	10	J03316.D	Rtx-5ms 0.25(um)
360-24365-6	OC-SB-447-18/20-XXX	10/04/2009 23:10	1	J03317.D	Rtx-5ms 0.25(um)

Instrument Dilution Log Book

Analysts Initials	Date	Lab sample ID	Method/Analyte	Initial Sample Volume	Final Volume	Final Dilution	Comments
PJ	8/21/09	24244-1→12	8270-LL	100 ml	100 ml	1X	24244 screened @ 10X
MZ	9/3/09	24223-1→12	"	100 µl	1000 µl	10X	all screened @ 10X
↓	↓	24251-1→24	"	100 µl	1000 µl	10X	all screened @ 10X
		24309-1→11	"	100 µl	1000 µl	10X	all screened @ 10X
TP	8/25/09	24194-1	EPH	10 ml	1000 ml	100X	
↓	↓	24194-1	"	50 ml	1000 ml	20X	taken from 100X (2000X)
		24244 (1-3)	"	100 ml	1000 ml	10X	
		24244-2	"	50	1000 ml	20X	
TP	9/1/09	24251-10	EPH	200 ml	1000 ml	5X	
↓		24251-13	↓	20 ml	1000 ml	50X	
TP	9/3/09	24365-5	EPH	100 ml	1000 ml	10X	
		24365-7	↓	200 ml	1000 ml	5X	
		↓ 7	↓	100 ml	1000 ml	10X	
KR	9/6/09	24327-3	8270-LL	100 µl	1000 µl	10X	
MZ	9/8/09	24327-7→17	8270LL	100 µl	1000 µl	10X	all screened @ 10X
↓	↓	24343-1→7	"	100 µl	1000 µl	10X	all screened @ 10X
MZ	9/10/09	24309-12→23	"	100 µl	1000 µl	10X	all screened @ 10X
↓	↓	24327-1→6	"	100 µl	1000 µl	10X	all screened @ 10X
KR	9/10/09	24327-9	8270-LL	100 µl	1000 µl	10X	
		24343-1,9	— " —	100 µl	1000 µl	10X	
		24365-1	— " —	100 µl	1000 µl	10X	
KR	9/12/09	24343-10 (MS/D)	8270-LL	100 µl	1000 µl	10X	
	↓	~~24327-7→17~~	KR 9/12/09				
		24343-8→17		100 µl	1000 µl	10X	screened @ 10X
PS (KR)	9/1/09	24223-7	8270LL	200 µl	1000 µl	5X	
	(9/15/09 Entered)	24244-1,2,3	ND MA				

Instrument Dilution Log Book

Analysts Initials	Date	Lab sample ID	Method/Analyte	Initial Sample Volume	Final Volume	Final Dilution	Comments
KR	9/12/09	24365-1→8	8270-LL	100 µL	1000 µL	10X	screened at 10X
TP	9/14/09	24365-7	EPH	100 mL	1000	10X	
↓	↓	7	↓	100 mL	1000	100X	taken from 10X (1000X)
MZ	9/14/09	24315-4-9-10	827066	100 µL	1000 µL	10X	screened @ 10X
↓	↓	-13→18 -20	↓	↓	↓	↓	↓
		24417-1→6					
		24417-11-12					
MZ	9/15/09	24417-7→10	827066	100 µL	1000 µL	10X	screened @ 10X
↓	↓	24417-13→16	↓	↓	↓	↓	↓
		24444-1→5					
		24444-7→9					
MZ	9/15/09	24525-2,8	827066	100 µL	1000 µL	10X	screened @ 10X
BS	9/15/09	24244-2	8270LL	100 mL	100 mL	100X	10x from 10X dilution ⊕
BS	9/14/09	24251-20	8270LL	200 mL	1000 mL	5X	
↓	↓	24251-1	↓	↓	↓	↓	
BS	~~9/14/09~~ (9/15/09)	24244-2	8270LL	100 mL	1000 mL	100X	10x dilution from 10X ⊕
		↓ -2	↓	50 mL	100 mL	200X	2x of the 100X
		24244-3	8270 LL	100 mL	↓	100X	10x of the 10X ⊕ BS 9/14/09
		↓ -3	↓	50 mL		200X	2x of the 100X
BS	9/15/09 - Repeat 9/16/09	24233-7	8270 LL	50 mL	100 mL	2x	
BS	9/15/09	24251-5	8270 LL	100 mL	200 mL	2x	
		-5	↓	200 mL	1000 mL	5x	
		-13	8270-LL	100 mL	200 mL	2x	
		-13		200 mL	1000 mL	5x	
↓	↓	-16	↓	200 mL	1000 mL	5x	

TestAmerica
53 Southampton Road
Westfield, MA

Instrument Dilution Log Book

Analysts Initials	Date	Lab sample ID	Method/Analyte	Initial Sample Volume	Final Volume	Final Dilution	Comments
BS	9/18/09	24327-9	8270_LL	20 ml	1000 ml	50X	
↓	↓	24315-5	↓	20 ml	1000 ml	50X	
↓	↓	24327-9	8270_LL	500 ml	1000 ml	100X	2X ~~50~~ 100X
BS	9/23/09	24315-20	↓	200 ml	1000 ml	5X	
↓	↓	↓ -20	↓	100 ml	1000 ml	10X	

TestAmerica
53 Southampton Road
Westfield, MA

Organic Prep Worksheet

Batch Number: 360-48742
Method: 3546
Analyst: LaPlante, Carrie A

Date Open: Sep 09 2009 9:58AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	ABN SURR_00010	OlinLCSextras_00001	OP-abnms_00063
MB~360-48742/1		3546, 8270C LL		30.00 g	1.0 mL	50 uL		
LCS~360-48742/2		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
LCSD~360-48742/3		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
360-24343-A-8	OC-SB-451-18/20-XXX		T	30.10 g	1.0 mL	50 uL		
360-24343-A-9	OC-SB-451-2.5/4.5-DUP		T	30.15 g	1.0 mL	50 uL		
360-24343-A-10	OC-SB-451-2.5/4.5-XXX		T	30.76 g	1.0 mL	50 uL		
360-24343-A-10~MS	OC-SB-451-2.5/4.5-XMS		T	30.45 g	1.0 mL	50 uL	.100 mL	100 uL
360-24343-A-10~MSD	OC-SB-451-2.5/4.5-MSD		T	30.12 g	1.0 mL	50 uL	.100 mL	100 uL
360-24343-A-11	OC-SB-454-0.0/1.0-XXX		T	30.26 g	1.0 mL	50 uL		
360-24343-A-12	OC-SB-454-18/20-XXX		T	30.15 g	1.0 mL	50 uL		
360-24343-A-13	OC-SB-454-6.0/8.0-XXX		T	30.47 g	1.0 mL	50 uL		
360-24343-A-15	OC-SB-455-28/30-XXX		T	30.66 g	1.0 mL	50 uL		
360-24343-A-16	OC-SB-455-6.0/8.0-DUP		T	30.94 g	1.0 mL	50 uL		
360-24343-A-17	OC-SB-455-6.0/8.0-XXX		T	30.50 g	1.0 mL	50 uL		
360-24343-A-17~MS	OC-SB-455-6.0/8.0-XMS		T	30.11 g	1.0 mL	50 uL	.100 mL	100 uL
360-24343-A-17~MSD	OC-SB-455-6.0/8.0-MSD		T	30.26 g	1.0 mL	50 uL	.100 mL	100 uL
360-24365-A-1	OC-SB-442-0.0/1.0-XXX		T	30.36 g	1.0 mL	50 uL		
360-24365-A-2	OC-SB-442-20/22-XXX		T	30.20 g	1.0 mL	50 uL		
360-24365-A-3	OC-SB-442-8.0/10-DUP		T	30.60 g	1.0 mL	50 uL		
360-24365-A-5	OC-SB-447-0.0/1.0-XXX		T	30.12 g	1.0 mL	50 uL		
360-24365-A-6	OC-SB-447-18/20-XXX		T	30.09 g	1.0 mL	50 uL		
360-24365-A-7	OC-SB-447-3.0/5.0-XXX		T	30.11 g	1.0 mL	50 uL		
360-24365-A-8	OC-SB-452-0.0/1.0-XXX		T	30.13 g	1.0 mL	50 uL		
360-24343-A-8	OC-SB-451-18/20-XXX		T	30.10 g	1.0 mL	50 uL		
360-24343-A-15	OC-SB-455-28/30-XXX		T	30.66 g	1.0 mL	50 uL		

Organic Prep Worksheet

Batch Number: 360-48742
Method: 3546
Analyst: LaPlante, Carrie A

Date Open: Sep 09 2009 9:58AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	ABN SURR_00010	OlinLCSextras_00001	OP-abnms_00063
360-24343-A-12	OC-SB-454-18/20-XXX		T	30.15 g	1.0 mL	50 uL		
360-24365-A-2	OC-SB-442-20/22-XXX	3546, 8270C LL	T	30.20 g	1.0 mL	50 uL		
360-24365-A-6	OC-SB-447-18/20-XXX	3546, 8270C LL	T	30.09 g	1.0 mL	50 uL		

Organic Prep Worksheet

Batch Number: 360-48854
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 11 2009 11:42AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	ABN SURR_00010	OlinLCSextras_00001	OP-abnms_00063
MB~360-48854/1		3546, 8270C LL		30.00 g	1.0 mL	50 uL		
LCS~360-48854/2		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
LCSD~360-48854/3		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
360-24365-A-4	OC-SB-442-8.0/10-XXX		T	30.19 g	1.0 mL	50 uL		
360-24365-A-4~MS	OC-SB-442-8.0/10-XMS		T	30.39 g	1.0 mL	50 uL	.100 mL	100 uL
360-24365-A-4~MSD	OC-SB-442-8.0/10-MSD		T	30.29 g	1.0 mL	50 uL	.100 mL	100 uL
360-24365-A-9	OC-SB-452-13/15-XXX		T	30.03 g	1.0 mL	50 uL		
360-24365-A-10	OC-SB-452-5.0/7.0-XXX		T	30.46 g	1.0 mL	50 uL		
360-24365-A-13	OC-SB-458-0.0/1.0-XXX		T	30.33 g	1.0 mL	50 uL		
360-24365-A-14	OC-SB-458-22/24-XXX		T	30.42 g	1.0 mL	50 uL		
360-24365-A-15	OC-SB-458-5.0/7.0-XXX		T	30.17 g	1.0 mL	50 uL		
360-24365-A-16	OC-SB-460-0.0/1.0-XXX		T	30.25 g	1.0 mL	50 uL		
360-24365-A-17	OC-SB-460-30/32-XXX		T	30.15 g	1.0 mL	50 uL		
360-24365-A-18	OC-SB-460-5.5/7.5-XXX		T	30.36 g	1.0 mL	50 uL		
360-24365-A-20	OC-PE-SS1039-SVOC		T	30.29 g	1.0 mL	50 uL		
360-24417-A-1	OC-SB-463-0.0/1.0-XXX		T	30.37 g	1.0 mL	50 uL		
360-24417-A-2	OC-SB-463-28/30-XXX		T	30.61 g	1.0 mL	50 uL		
360-24417-A-3	OC-SB-463-6.0/8.0-XXX		T	30.67 g	1.0 mL	50 uL		
360-24417-A-4	OC-SB-464-0.0/1.0-XXX		T	30.48 g	1.0 mL	50 uL		
360-24417-A-5	OC-SB-464-26/28-XXX		T	30.03 g	1.0 mL	50 uL		
360-24417-A-6	OC-SB-464-5.0/7.0-XXX		T	30.53 g	1.0 mL	50 uL		
360-24417-A-11	OC-SB-468-0.0/1.0-XXX		T	30.14 g	1.0 mL	50 uL		
360-24417-A-12	OC-SB-468-31/33-XXX		T	30.28 g	1.0 mL	50 uL		
360-24365-A-9	OC-SB-452-13/15-XXX	3546, 8270C LL	T	30.03 g	1.0 mL	50 uL		
360-24365-A-14	OC-SB-458-22/24-XXX	3546, 8270C LL	T	30.42 g	1.0 mL	50 uL		

Organic Prep Worksheet

Batch Number: 360-48854
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 11 2009 11:42AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	ABN SURR_00010	OlinLCSextras_00001	OP-abnms_00063
360-24365-A-17	OC-SB-460-30/32-XXX	3546, 8270C LL	T	30.15 g	1.0 mL	50 uL		
360-24417-A-2	OC-SB-463-28/30-XXX		T	30.61 g	1.0 mL	50 uL		
360-24417-A-5	OC-SB-464-26/28-XXX		T	30.03 g	1.0 mL	50 uL		
360-24417-A-12	OC-SB-468-31/33-XXX		T	30.28 g	1.0 mL	50 uL		

Organic Prep Worksheet

Batch Number: 360-48854
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 11 2009 11:42AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~360-48854/1		3546, 8270C LL		
LCS~360-48854/2		3546, 8270C LL		
LCSD~360-48854/3		3546, 8270C LL		
360-24365-A-4	OC-SB-442-8.0/10-XXX		T	
360-24365-A-4~MS	OC-SB-442-8.0/10-XMS		T	
360-24365-A-4~MSD	OC-SB-442-8.0/10-MSD		T	
360-24365-A-9	OC-SB-452-13/15-XXX		T	
360-24365-A-10	OC-SB-452-5.0/7.0-XXX		T	
360-24365-A-13	OC-SB-458-0.0/1.0-XXX		T	
360-24365-A-14	OC-SB-458-22/24-XXX		T	
360-24365-A-15	OC-SB-458-5.0/7.0-XXX		T	
360-24365-A-16	OC-SB-460-0.0/1.0-XXX		T	
360-24365-A-17	OC-SB-460-30/32-XXX		T	
360-24365-A-18	OC-SB-460-5.5/7.5-XXX		T	
360-24365-A-20	OC-PE-SS1039-SVOC		T	PE sample
360-24417-A-1	OC-SB-463-0.0/1.0-XXX		T	
360-24417-A-2	OC-SB-463-28/30-XXX		T	
360-24417-A-3	OC-SB-463-6.0/8.0-XXX		T	
360-24417-A-4	OC-SB-464-0.0/1.0-XXX		T	
360-24417-A-5	OC-SB-464-26/28-XXX		T	
360-24417-A-6	OC-SB-464-5.0/7.0-XXX		T	
360-24417-A-11	OC-SB-468-0.0/1.0-XXX		T	
360-24417-A-12	OC-SB-468-31/33-XXX		T	
360-24365-A-9	OC-SB-452-13/15-XXX	3546, 8270C LL	T	
360-24365-A-14	OC-SB-458-22/24-XXX	3546, 8270C LL	T	

Organic Prep Worksheet

Batch Number: 360-48854
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 11 2009 11:42AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
360-24365-A-17	OC-SB-460-30/32-XXX	3546, 8270C LL	T	
360-24417-A-2	OC-SB-463-28/30-XXX		T	
360-24417-A-5	OC-SB-464-26/28-XXX		T	
360-24417-A-12	OC-SB-468-31/33-XXX		T	

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24365-2

SDG No.: OCRI-09A

Project: Olin Chemical Superfund Site

Client Sample ID	Lab Sample ID
OC-SB-442-20/22-XXX	360-24365-2
OC-SB-447-18/20-XXX	360-24365-6
OC-SB-452-13/15-XXX	360-24365-9
OC-SB-458-22/24-XXX	360-24365-14
OC-SB-460-30/32-XXX	360-24365-17

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-442-20/22-XXX
Lab Sample ID: 360-24365-2
Lab Name: TestAmerica Westfield
Job No.: 360-24365-2
SDG ID.: OCRI-09A
Matrix: Solid
Date Sampled: 08/31/2009 13:20
Reporting Basis: DRY
Date Received: 08/31/2009 17:45
% Solids: 93.1

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	4600	2.8	0.72	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.55	0.20	mg/Kg			1	6010B
7440-38-2	Arsenic	2.6	1.1	0.10	mg/Kg			1	6010B
7440-39-3	Barium	14	0.55	0.072	mg/Kg			1	6010B
7440-41-7	Beryllium	0.14	0.22	0.028	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.16	0.22	0.0078	mg/Kg	J		1	6010B
7440-70-2	Calcium	1500	11	2.8	mg/Kg		B	1	6010B
7440-47-3	Chromium	13	0.55	0.074	mg/Kg		B	1	6010B
7440-48-4	Cobalt	6.0	0.55	0.072	mg/Kg			1	6010B
7440-50-8	Copper	15	1.1	0.072	mg/Kg			1	6010B
7439-89-6	Iron	9700	5.5	0.88	mg/Kg		B	1	6010B
7439-92-1	Lead	1.5	0.55	0.063	mg/Kg			1	6010B
7439-95-4	Magnesium	2700	11	0.55	mg/Kg		B	1	6010B
7439-96-5	Manganese	93	1.1	0.074	mg/Kg			1	6010B
7440-02-0	Nickel	9.0	1.1	0.072	mg/Kg			1	6010B
7440-09-7	Potassium	1100	220	35	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.55	0.26	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.55	0.056	mg/Kg			1	6010B
7440-23-5	Sodium	61	110	14	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	1.1	0.080	mg/Kg			1	6010B
7440-62-2	Vanadium	13	1.1	0.072	mg/Kg			1	6010B
7440-66-6	Zinc	12	2.8	0.65	mg/Kg			1	6010B
7440-31-5	Tin	4.2	5.5	0.35	mg/Kg	J	^ B	1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-447-18/20-XXX
Lab Sample ID: 360-24365-6
Lab Name: TestAmerica Westfield
Job No.: 360-24365-2
SDG ID.: OCRI-09A
Matrix: Solid
Date Sampled: 08/31/2009 09:05
Reporting Basis: DRY
Date Received: 08/31/2009 17:45
% Solids: 90.6

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7400	3.4	0.88	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.68	0.25	mg/Kg			1	6010B
7440-38-2	Arsenic	3.9	1.4	0.12	mg/Kg			1	6010B
7440-39-3	Barium	30	0.68	0.088	mg/Kg			1	6010B
7440-41-7	Beryllium	0.22	0.27	0.034	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.22	0.27	0.0095	mg/Kg	J		1	6010B
7440-70-2	Calcium	2000	14	3.4	mg/Kg		B	1	6010B
7440-47-3	Chromium	12	0.68	0.090	mg/Kg		B	1	6010B
7440-48-4	Cobalt	6.0	0.68	0.088	mg/Kg			1	6010B
7440-50-8	Copper	26	1.4	0.088	mg/Kg			1	6010B
7439-89-6	Iron	15000	6.8	1.1	mg/Kg		B	1	6010B
7439-92-1	Lead	1.4	0.68	0.077	mg/Kg			1	6010B
7439-95-4	Magnesium	3500	14	0.68	mg/Kg		B	1	6010B
7439-96-5	Manganese	93	1.4	0.090	mg/Kg			1	6010B
7440-02-0	Nickel	9.8	1.4	0.088	mg/Kg			1	6010B
7440-09-7	Potassium	1900	270	42	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.68	0.32	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.68	0.068	mg/Kg			1	6010B
7440-23-5	Sodium	61	140	18	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	1.4	0.098	mg/Kg			1	6010B
7440-62-2	Vanadium	19	1.4	0.088	mg/Kg			1	6010B
7440-66-6	Zinc	22	3.4	0.80	mg/Kg			1	6010B
7440-31-5	Tin	3.6	6.8	0.43	mg/Kg	J	^ B	1	6010B
7439-97-6	Mercury	ND	0.14	0.025	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-452-13/15-XXX
Lab Sample ID: 360-24365-9
Lab Name: TestAmerica Westfield
Job No.: 360-24365-2
SDG ID.: OCRI-09A
Matrix: Solid
Date Sampled: 08/31/2009 11:00
Reporting Basis: DRY
Date Received: 08/31/2009 17:45
% Solids: 92.0

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7300	3.5	0.90	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.69	0.25	mg/Kg			1	6010B
7440-38-2	Arsenic	7.8	1.4	0.13	mg/Kg			1	6010B
7440-39-3	Barium	24	0.69	0.090	mg/Kg			1	6010B
7440-41-7	Beryllium	0.21	0.28	0.035	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.23	0.28	0.0097	mg/Kg	J		1	6010B
7440-70-2	Calcium	3200	14	3.5	mg/Kg		B	1	6010B
7440-47-3	Chromium	17	0.69	0.092	mg/Kg		B	1	6010B
7440-48-4	Cobalt	7.2	0.69	0.090	mg/Kg			1	6010B
7440-50-8	Copper	29	1.4	0.090	mg/Kg			1	6010B
7439-89-6	Iron	15000	6.9	1.1	mg/Kg		B	1	6010B
7439-92-1	Lead	2.5	0.69	0.079	mg/Kg			1	6010B
7439-95-4	Magnesium	3200	14	0.69	mg/Kg		B	1	6010B
7439-96-5	Manganese	110	1.4	0.092	mg/Kg			1	6010B
7440-02-0	Nickel	13	1.4	0.090	mg/Kg			1	6010B
7440-09-7	Potassium	1000	280	43	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.69	0.32	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.69	0.070	mg/Kg			1	6010B
7440-23-5	Sodium	130	140	18	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	1.4	0.10	mg/Kg			1	6010B
7440-62-2	Vanadium	30	1.4	0.090	mg/Kg			1	6010B
7440-66-6	Zinc	20	3.5	0.81	mg/Kg			1	6010B
7440-31-5	Tin	5.5	6.9	0.44	mg/Kg	J	^ B	1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-458-22/24-XXX
Lab Sample ID: 360-24365-14
Lab Name: TestAmerica Westfield
Job No.: 360-24365-2
SDG ID.: OCRI-09A
Matrix: Solid
Date Sampled: 08/31/2009 16:30
Reporting Basis: DRY
Date Received: 09/01/2009 17:15
% Solids: 92.0

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5800	3.1	0.80	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.61	0.22	mg/Kg			1	6010B
7440-38-2	Arsenic	3.5	1.2	0.11	mg/Kg			1	6010B
7440-39-3	Barium	16	0.61	0.080	mg/Kg			1	6010B
7440-41-7	Beryllium	0.18	0.25	0.031	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.14	0.25	0.0086	mg/Kg	J		1	6010B
7440-70-2	Calcium	1500	12	3.1	mg/Kg		B	1	6010B
7440-47-3	Chromium	13	0.61	0.082	mg/Kg		B	1	6010B
7440-48-4	Cobalt	4.0	0.61	0.080	mg/Kg			1	6010B
7440-50-8	Copper	11	1.2	0.080	mg/Kg			1	6010B
7439-89-6	Iron	10000	6.1	0.98	mg/Kg		B	1	6010B
7439-92-1	Lead	1.5	0.61	0.070	mg/Kg			1	6010B
7439-95-4	Magnesium	2600	12	0.61	mg/Kg		B	1	6010B
7439-96-5	Manganese	85	1.2	0.082	mg/Kg			1	6010B
7440-02-0	Nickel	8.2	1.2	0.080	mg/Kg			1	6010B
7440-09-7	Potassium	1100	250	38	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.61	0.29	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.61	0.062	mg/Kg			1	6010B
7440-23-5	Sodium	68	120	16	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	1.2	0.089	mg/Kg			1	6010B
7440-62-2	Vanadium	13	1.2	0.080	mg/Kg			1	6010B
7440-66-6	Zinc	16	3.1	0.72	mg/Kg			1	6010B
7440-31-5	Tin	4.2	6.1	0.39	mg/Kg	J	^ B	1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-460-30/32-XXX
Lab Sample ID: 360-24365-17
Lab Name: TestAmerica Westfield
Job No.: 360-24365-2
SDG ID.: OCRI-09A
Matrix: Solid
Date Sampled: 09/01/2009 10:40
Reporting Basis: DRY
Date Received: 09/01/2009 17:15
% Solids: 90.4

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5900	3.0	0.78	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.60	0.22	mg/Kg			1	6010B
7440-38-2	Arsenic	3.9	1.2	0.11	mg/Kg			1	6010B
7440-39-3	Barium	24	0.60	0.078	mg/Kg			1	6010B
7440-41-7	Beryllium	0.19	0.24	0.030	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.28	0.24	0.0084	mg/Kg			1	6010B
7440-70-2	Calcium	1900	12	3.0	mg/Kg		B	1	6010B
7440-47-3	Chromium	120	0.60	0.080	mg/Kg			1	6010B
7440-48-4	Cobalt	5.3	0.60	0.078	mg/Kg			1	6010B
7440-50-8	Copper	19	1.2	0.078	mg/Kg			1	6010B
7439-89-6	Iron	13000	6.0	0.95	mg/Kg		B	1	6010B
7439-92-1	Lead	1.4	0.60	0.068	mg/Kg			1	6010B
7439-95-4	Magnesium	3300	12	0.60	mg/Kg		B	1	6010B
7439-96-5	Manganese	96	1.2	0.080	mg/Kg			1	6010B
7440-02-0	Nickel	9.9	1.2	0.078	mg/Kg			1	6010B
7440-09-7	Potassium	1400	240	37	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.60	0.28	mg/Kg			1	6010B
7440-22-4	Silver	1.5	0.60	0.060	mg/Kg			1	6010B
7440-23-5	Sodium	68	120	16	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	1.2	0.086	mg/Kg			1	6010B
7440-62-2	Vanadium	19	1.2	0.078	mg/Kg			1	6010B
7440-66-6	Zinc	17	3.0	0.70	mg/Kg			1	6010B
7440-31-5	Tin	50	6.0	0.38	mg/Kg		^ B	1	6010B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	ICV 360-49582/6 09/28/2009 10:15				CCV 360-49582/13 09/28/2009 10:35				CCV 360-49582/25 09/28/2009 12:42			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	1000		1000	100	995		1000	100	989		1000	99
Al	1000		1000	100	4980		5000	100	4960		5000	99
As	995		1000	100	997		1000	100	983		1000	98
Ba	1010		1000	101	995		1000	100	997		1000	100
Be	1010		1000	101	994		1000	99	986		1000	99
Cd	1010		1000	101	991		1000	99	986		1000	99
Co	1010		1000	101	993		1000	99	988		1000	99
Cr	997		1000	100	992		1000	99	986		1000	99
Cu	990		1000	99	991		1000	99	980		1000	98
Fe	976		1000	98	4960		5000	99	4950		5000	99
K	9370		10000	94	19900		20000	99	19700		20000	98
Mn	1010		1000	101	993		1000	99	988		1000	99
Ni	1010		1000	101	991		1000	99	982		1000	98
Pb	1010		1000	101	993		1000	99	987		1000	99
Sb	973		1000	97	1000		1000	100	999		1000	100
Se	1010		1000	101	1000		1000	100	989		1000	99
Tl	1010		1000	101	997		1000	100	991		1000	99
V	1010		1000	101	993		1000	99	991		1000	99
Zn	1010		1000	101	989		1000	99	981		1000	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49582/37 09/28/2009 13:17				CCV 360-49582/49 09/28/2009 13:51				CCV 360-49582/54 09/28/2009 15:26			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	987		1000	99	986		1000	99	988		1000	99
Al	4960		5000	99	4950		5000	99	4950		5000	99
As	983		1000	98	974		1000	97	982		1000	98
Ba	997		1000	100	998		1000	100	992		1000	99
Be	983		1000	98	976		1000	98	993		1000	99
Cd	979		1000	98	970		1000	97	988		1000	99
Co	983		1000	98	976		1000	98	989		1000	99
Cr	982		1000	98	976		1000	98	986		1000	99
Cu	981		1000	98	982		1000	98	980		1000	98
Fe	4940		5000	99	4900		5000	98	4950		5000	99
K	19800		20000	99	20500		20000	103	20500		20000	102
Mn	985		1000	99	980		1000	98	988		1000	99
Ni	983		1000	98	974		1000	97	984		1000	98
Pb	982		1000	98	975		1000	97	986		1000	99
Sb	992		1000	99	989		1000	99	993		1000	99
Se	983		1000	98	975		1000	97	988		1000	99
Tl	983		1000	98	973		1000	97	981		1000	98
V	990		1000	99	983		1000	98	994		1000	99
Zn	972		1000	97	962		1000	96	982		1000	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	ICV 360-49582/6 09/28/2009 10:15				CCV 360-49582/13 09/28/2009 10:35				CCV 360-49582/25 09/28/2009 12:42			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	10100		10000	101	19800		20000	99	19800		20000	99
Mg	9970		10000	100	19900		20000	99	19700		20000	99
Na	9280		10000	93	19900		20000	99	19800		20000	99
Sn	1000		1000	100	995		1000	99	986		1000	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49582/37 09/28/2009 13:17				CCV 360-49582/49 09/28/2009 13:51				CCV 360-49582/54 09/28/2009 15:26			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	19700		20000	98	19500		20000	98	19800		20000	99
Mg	19600		20000	98	19500		20000	98	19700		20000	99
Na	19900		20000	100	19800		20000	99	19800		20000	99
Sn	982		1000	98	976		1000	98	984		1000	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	ICV 360-50204/6 10/12/2009 10:37				CCV 360-50204/13 10/12/2009 10:57				CCV 360-50204/21 10/12/2009 16:37			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	1010		1000	101	999		1000	100	983		1000	98
Al	1010		1000	101	4990		5000	100	4970		5000	99
As	989		1000	99	993		1000	99	980		1000	98
Ba	1000		1000	100	1000		1000	100	996		1000	100
Be	1000		1000	100	995		1000	99	978		1000	98
Cd	1010		1000	101	992		1000	99	959		1000	96
Co	1010		1000	101	994		1000	99	967		1000	97
Cr	995		1000	100	995		1000	99	977		1000	98
Cu	999		1000	100	993		1000	99	1000		1000	100
Fe	994		1000	99	4970		5000	99	4870		5000	97
K	9350		10000	93	20400		20000	102	20700		20000	103
Mn	1010		1000	101	994		1000	99	980		1000	98
Ni	1020		1000	102	1020		1000	102	976		1000	98
Pb	1010		1000	101	995		1000	99	974		1000	97
Sb	962		1000	96	999		1000	100	993		1000	99
Se	1000		1000	100	996		1000	100	972		1000	97
Tl	1000		1000	100	995		1000	100	971		1000	97
V	1010		1000	101	994		1000	99	977		1000	98
Zn	1010		1000	101	991		1000	99	948		1000	95

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-50204/31 10/12/2009 17:12				CCV 360-50204/43 10/12/2009 17:46				CCV 360-50204/54 10/12/2009 18:18			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	993		1000	99	1000		1000	100	1000		1000	100
Al	5020		5000	100	5020		5000	100	5020		5000	100
As	988		1000	99	982		1000	98	987		1000	99
Ba	1010		1000	101	1010		1000	101	1010		1000	101
Be	990		1000	99	995		1000	100	998		1000	100
Cd	973		1000	97	977		1000	98	977		1000	98
Co	979		1000	98	985		1000	99	986		1000	99
Cr	990		1000	99	994		1000	99	996		1000	100
Cu	1010		1000	101	1010		1000	101	1000		1000	100
Fe	4950		5000	99	4990		5000	100	4970		5000	99
K	20800		20000	104	21700		20000	108	21100		20000	105
Mn	993		1000	99	995		1000	99	997		1000	100
Ni	991		1000	99	994		1000	99	996		1000	100
Pb	988		1000	99	991		1000	99	991		1000	99
Sb	999		1000	100	997		1000	100	993		1000	99
Se	979		1000	98	973		1000	97	969		1000	97
Tl	981		1000	98	986		1000	99	988		1000	99
V	989		1000	99	993		1000	99	994		1000	99
Zn	965		1000	96	968		1000	97	972		1000	97

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	ICV 360-50204/6 10/12/2009 10:37				CCV 360-50204/13 10/12/2009 10:57				CCV 360-50204/21 10/12/2009 16:37			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	10000		10000	100	19800		20000	99	19300		20000	96
Mg	9930		10000	99	19800		20000	99	19400		20000	97
Na	9280		10000	93	20000		20000	100	19600		20000	98
Sn	1000		1000	100	997		1000	100	973		1000	97

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-50204/31 10/12/2009 17:12				CCV 360-50204/43 10/12/2009 17:46				CCV 360-50204/54 10/12/2009 18:18			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	19500		20000	98	19700		20000	98	19700		20000	99
Mg	19600		20000	98	19700		20000	99	19700		20000	99
Na	20000		20000	100	20200		20000	101	20000		20000	100
Sn	983		1000	98	988		1000	99	990		1000	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

ICV Source: METHG1mg/L_00517 Concentration Units: ug/L

CCV Source: METHG1mg/L_00517

Analyte	ICV 360-49362/17 09/23/2009 08:37				CCV 360-49362/42 09/23/2009 09:58				CCV 360-49362/54 09/23/2009 10:21			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	5.15		5.00	103	5.18		5.00	104	5.28		5.00	106

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

ICV Source: METHG1mg/L_00517 Concentration Units: ug/L

CCV Source: METHG1mg/L_00517

Analyte	CCV 360-49362/65 09/23/2009 10:44											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	5.23		5.00	105								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Analysis Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-49582/8 Concentration Units: ug/L

CRQL Check Standard Source: CRI-RL ICP_00004

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	105		105	70-130
Antimony	10.0	10.1		101	70-130
Arsenic	10.0	10.4		104	70-130
Barium	10.0	11.2		112	70-130
Beryllium	1.00	1.01		101	70-130
Cadmium	1.00	1.00		100	70-130
Calcium	400	418		104	70-130
Chromium	5.00	5.32		106	70-130
Cobalt	10.0	10.6		106	70-130
Copper	10.0	10.7		107	70-130
Iron	100	104		104	70-130
Lead	5.00	5.86		117	70-130
Magnesium	400	426		107	70-130
Manganese	10.0	10.8		108	70-130
Nickel	10.0	10.6		106	70-130
Potassium	4000	3920	J	98	70-130
Selenium	10.0	10.7		107	70-130
Sodium	2000	1880	J	94	70-130
Thallium	10.0	11.8		118	70-130
Vanadium	10.0	10.4		104	70-130
Zinc	50.0	51.6		103	70-130
Tin	50.0	31.6	J	63	70-130

Lab Sample ID: CRI 360-49582/9 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	6.00	5.95	J	99	70-130
Arsenic	50.0	50.5		101	70-130
Barium	2000	2140		107	70-130
Beryllium	4.00	4.14		104	70-130
Cadmium	5.00	5.18		104	70-130
Chromium	100	107		107	70-130
Lead	15.0	16.2		108	70-130
Nickel	100	110		110	70-130

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Analysis Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-49582/9 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Selenium	50.0	48.7		97	70-130
Silver	7.00	6.82		97	70-130
Thallium	2.00	2.40	J	120	70-130
Vanadium	50.0	51.7		103	70-130
Zinc	900	948		105	70-130

Lab Sample ID: CRI 360-49582/18 Concentration Units: ug/L

CRQL Check Standard Source: CRI-RL ICP_00004

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	5.00	4.16	J	83	70-130

Lab Sample ID: CRI 360-50204/8 Concentration Units: ug/L

CRQL Check Standard Source: CRI-RL ICP_00004

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	105		105	70-130
Antimony	10.0	12.0		120	70-130
Arsenic	10.0	10.5		105	70-130
Barium	10.0	11.4		114	70-130
Beryllium	1.00	1.01		101	70-130
Cadmium	1.00	1.03		103	70-130
Calcium	400	420		105	70-130
Chromium	5.00	5.18		104	70-130
Cobalt	10.0	10.8		108	70-130
Copper	10.0	11.0		110	70-130
Iron	100	106		106	70-130
Lead	5.00	5.78		116	70-130
Magnesium	400	429		107	70-130
Manganese	10.0	10.9		109	70-130
Nickel	10.0	10.9		109	70-130
Potassium	4000	3700	J	93	70-130

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Analysis Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-50204/8 Concentration Units: ug/L

CRQL Check Standard Source: CRI-RL ICP_00004

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Selenium	10.0	9.00	J	90	70-130
Sodium	2000	1990	J	100	70-130
Thallium	10.0	11.1		111	70-130
Vanadium	10.0	10.5		105	70-130
Zinc	50.0	52.3		105	70-130
Tin	50.0	31.7	J	63	70-130

Lab Sample ID: CRI 360-50204/9 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	6.00	7.35	J	123	70-130
Arsenic	50.0	51.5		103	70-130
Barium	2000	2210		110	70-130
Beryllium	4.00	4.19		105	70-130
Cadmium	5.00	5.25		105	70-130
Chromium	100	108		108	70-130
Lead	15.0	17.0		114	70-130
Nickel	100	112		112	70-130
Selenium	50.0	51.2		102	70-130
Silver	7.00	7.05		101	70-130
Vanadium	50.0	52.7		105	70-130
Zinc	900	958		106	70-130

Lab Sample ID: CRI 360-50204/18 Concentration Units: ug/L

CRQL Check Standard Source: CRI-RL ICP_00004

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	5.00	4.01	J	80	70-130

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Analysis Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-50204/20 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Thallium	2.00	2.32	J	116	70-130

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Concentration Units: ug/L

Analyte	RL	ICB 360-49582/7 09/28/2009 10:18		CCB 360-49582/14 09/28/2009 10:38		CCB 360-49582/26 09/28/2009 12:45		CCB 360-49582/38 09/28/2009 13:20	
		Found	C	Found	C	Found	C	Found	C
Ag	5.0	ND		ND		ND		ND	
Al	100	ND		ND		ND		ND	
As	10	ND		2.41	J	ND		ND	
Ba	10	ND		ND		ND		ND	
Be	1.0	ND		ND		ND		ND	
Ca	400	ND		ND		ND		ND	
Cd	1.0	ND		ND		ND		ND	
Co	10	ND		ND		ND		ND	
Cr	5.0	ND		ND		ND		ND	
Cu	10	ND		ND		ND		ND	
Fe	100	ND		ND		ND		ND	
K	4000	ND		ND		ND		ND	
Mg	400	ND		ND		ND		ND	
Mn	10	ND		ND		ND		ND	
Na	2000	ND		ND		ND		ND	
Ni	10	ND		ND		ND		ND	
Pb	5.0	ND		ND		ND		ND	
Sb	10	3.62	J	ND		ND		ND	
Se	10	ND		ND		3.46	J	3.26	J
Sn	50	ND		ND		ND		ND	
Tl	10	ND		2.83	J	2.11	J	2.14	J
V	10	ND		ND		ND		ND	
Zn	50	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Concentration Units: ug/L

Analyte	RL	CCB 360-49582/50 09/28/2009 13:54		CCB 360-49582/55 09/28/2009 15:28					
		Found	C	Found	C	Found	C	Found	C
Ag	5.0	ND		ND					
Al	100	ND		ND					
As	10	ND		2.68	J				
Ba	10	ND		ND					
Be	1.0	ND		ND					
Ca	400	ND		ND					
Cd	1.0	ND		ND					
Co	10	ND		ND					
Cr	5.0	ND		ND					
Cu	10	ND		ND					
Fe	100	ND		ND					
K	4000	ND		ND					
Mg	400	ND		ND					
Mn	10	ND		ND					
Na	2000	ND		ND					
Ni	10	ND		ND					
Pb	5.0	ND		ND					
Sb	10	ND		ND					
Se	10	2.75	J	ND					
Sn	50	ND		ND					
Tl	10	ND		2.81	J				
V	10	ND		ND					
Zn	50	ND		ND					

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Concentration Units: ug/L

Analyte	RL	ICB 360-50204/7 10/12/2009 10:40		CCB 360-50204/14 10/12/2009 11:00		CCB 360-50204/22 10/12/2009 16:40		CCB 360-50204/32 10/12/2009 17:15	
		Found	C	Found	C	Found	C	Found	C
Ag	5.0	ND		ND		ND		ND	
Al	100	ND		ND		ND		ND	
As	10	ND		ND		ND		ND	
Ba	10	ND		ND		ND		ND	
Be	1.0	ND		ND		ND		ND	
Ca	400	ND		ND		ND		ND	
Cd	1.0	ND		ND		ND		ND	
Co	10	ND		ND		ND		ND	
Cr	5.0	ND		ND		ND		ND	
Cu	10	ND		ND		ND		ND	
Fe	100	ND		ND		ND		ND	
K	4000	ND		ND		ND		ND	
Mg	400	ND		ND		ND		ND	
Mn	10	ND		ND		ND		ND	
Na	2000	ND		ND		ND		ND	
Ni	10	ND		ND		ND		ND	
Pb	5.0	ND		ND		ND		ND	
Sb	10	4.32	J	ND		ND		ND	
Se	10	ND		ND		4.76	J	ND	
Sn	50	ND		ND		ND		ND	
Tl	10	ND		1.45	J	ND		1.90	J
V	10	ND		ND		ND		ND	
Zn	50	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Concentration Units: ug/L

Analyte	RL	CCB 360-50204/44 10/12/2009 17:49		CCB 360-50204/55 10/12/2009 18:21					
		Found	C	Found	C	Found	C	Found	C
Ag	5.0	ND		ND					
Al	100	ND		ND					
As	10	2.35	J	ND					
Ba	10	ND		ND					
Be	1.0	ND		ND					
Ca	400	ND		ND					
Cd	1.0	ND		ND					
Co	10	ND		ND					
Cr	5.0	ND		ND					
Cu	10	ND		ND					
Fe	100	ND		ND					
K	4000	ND		ND					
Mg	400	ND		ND					
Mn	10	ND		ND					
Na	2000	ND		ND					
Ni	10	ND		ND					
Pb	5.0	ND		ND					
Sb	10	ND		ND					
Se	10	ND		ND					
Sn	50	ND		ND					
Tl	10	1.59	J	ND					
V	10	ND		ND					
Zn	50	ND		ND					

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Concentration Units: ug/L

Analyte	RL	ICB 360-49362/19 09/23/2009 08:42		CCB 360-49362/43 09/23/2009 10:00		CCB 360-49362/55 09/23/2009 10:23		CCB 360-49362/66 09/23/2009 10:46	
		Found	C	Found	C	Found	C	Found	C
Hg	0.20	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Concentration Units: mg/Kg Lab Sample ID: MB 360-49527/1-A

Instrument Code: Varian ICP Batch No.: 49582

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	ND			6010B
7440-36-0	Antimony	ND			6010B
7440-38-2	Arsenic	ND			6010B
7440-39-3	Barium	ND			6010B
7440-41-7	Beryllium	ND			6010B
7440-43-9	Cadmium	ND			6010B
7440-70-2	Calcium	7.34	J		6010B
7440-47-3	Chromium	0.0900	J		6010B
7440-48-4	Cobalt	ND			6010B
7440-50-8	Copper	ND			6010B
7439-89-6	Iron	1.32	J		6010B
7439-92-1	Lead	ND			6010B
7439-95-4	Magnesium	2.01	J		6010B
7439-96-5	Manganese	ND			6010B
7440-02-0	Nickel	ND			6010B
7440-09-7	Potassium	ND			6010B
7782-49-2	Selenium	ND			6010B
7440-22-4	Silver	ND			6010B
7440-23-5	Sodium	ND			6010B
7440-28-0	Thallium	ND			6010B
7440-62-2	Vanadium	ND			6010B
7440-66-6	Zinc	ND			6010B
7440-31-5	Tin	0.500	J		6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Concentration Units: mg/Kg Lab Sample ID: MB 360-50159/1-A

Instrument Code: Varian ICP Batch No.: 50204

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	ND			6010B
7440-36-0	Antimony	ND			6010B
7440-38-2	Arsenic	ND			6010B
7440-39-3	Barium	ND			6010B
7440-41-7	Beryllium	ND			6010B
7440-43-9	Cadmium	ND			6010B
7440-70-2	Calcium	5.55	J		6010B
7440-47-3	Chromium	ND			6010B
7440-48-4	Cobalt	ND			6010B
7440-50-8	Copper	ND			6010B
7439-89-6	Iron	2.01	J		6010B
7439-92-1	Lead	ND			6010B
7439-95-4	Magnesium	1.72	J		6010B
7439-96-5	Manganese	ND			6010B
7440-02-0	Nickel	ND			6010B
7440-09-7	Potassium	ND			6010B
7782-49-2	Selenium	ND			6010B
7440-22-4	Silver	ND			6010B
7440-23-5	Sodium	ND			6010B
7440-28-0	Thallium	ND			6010B
7440-62-2	Vanadium	ND			6010B
7440-66-6	Zinc	ND			6010B
7440-31-5	Tin	0.404	J		6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Concentration Units: mg/Kg Lab Sample ID: MB 360-49278/1-A

Instrument Code: Hg Analyzer Batch No.: 49362

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7471A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Lab Sample ID: ICSA 360-49582/10 Instrument ID: Varian ICP

Lab File ID: ICS Source: ICSA wk_00004

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Ag		**0.336**	
Al	**100000**	**115499**	**115**
As		**0.412**	
Ba		**0.543**	
Be		**0.0080**	
Ca	**100000**	**105988**	**106**
Cd		**0.650**	
Co		**1.52**	
Cr		**0.357**	
Cu		**0.558**	
Fe	**40000**	**44701**	**112**
K		**1776**	
Mg	**100000**	**111467**	**111**
Mn		**3.26**	
Na		**81.7**	
Ni		**5.31**	
Pb		**-1.18**	
Sb		**-0.596**	
Se		**-1.41**	
Sn		**2.60**	
Tl		**1.70**	
V		**2.04**	
Zn		**-1.01**	
B		*6.77*	
Li		*0.934*	
Mo		*0.511*	
Si		*-7.08*	
Si		*-5.61*	
SiO2		*-15.1*	
Sr		*0.596*	
Ti		*1.51*	
Zr		*0.590*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Lab Sample ID: ICSAB 360-49582/11 Instrument ID: Varian ICP

Lab File ID: ICS Source: ICSAB_00009

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Ag	**600**	**614**	**102**
Al	**100000**	**114152**	**114**
As	**2000**	**1994**	**100**
Ba	**600**	**591**	**99**
Be	**200**	**191**	**96**
Ca	**100000**	**107384**	**107**
Cd	**600**	**577**	**96**
Co	**600**	**579**	**97**
Cr	**600**	**574**	**96**
Cu	**600**	**599**	**100**
Fe	**40000**	**44096**	**110**
K	**40000**	**43081**	**108**
Mg	**100000**	**108746**	**109**
Mn	**400**	**387**	**97**
Na		**-14.7**	
Ni	**600**	**581**	**97**
Pb	**2000**	**1891**	**95**
Sb		**946**	
Se	**1000**	**982**	**98**
Sn		**252**	
Tl	**2000**	**1896**	**95**
V	**600**	**591**	**98**
Zn	**600**	**559**	**93**
B		*4.49*	
Li		*0.864*	
Mo		*0.468*	
Si		*-7.76*	
Si		*-4.30*	
SiO2		*-16.6*	
Sr		*0.625*	
Ti		*1.49*	
Zr		*0.952*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Lab Sample ID: ICSA 360-49582/52 Instrument ID: Varian ICP

Lab File ID: ICS Source: ICSA wk_00004

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Ag		**0.146**	
Al	**100000**	**114843**	**115**
As		**1.13**	
Ba		**0.397**	
Be		**0.0111**	
Ca	**100000**	**105153**	**105**
Cd		**0.624**	
Co		**1.56**	
Cr		**0.421**	
Cu		**0.952**	
Fe	**40000**	**44584**	**111**
K		**1798**	
Mg	**100000**	**110890**	**111**
Mn		**3.37**	
Na		**37.5**	
Ni		**5.01**	
Pb		**-1.50**	
Sb		**0.0034**	
Se		**0.346**	
Sn		**2.12**	
Tl		**1.56**	
V		**2.21**	
Zn		**-0.642**	
B		*6.58*	
Li		*0.955*	
Mo		*0.732*	
Si		*-6.73*	
Si		*-6.36*	
SiO2		*-14.4*	
Sr		*0.600*	
Ti		*1.50*	
Zr		*0.635*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Lab Sample ID: ICSAB 360-49582/53 Instrument ID: Varian ICP

Lab File ID: ICS Source: ICSAB_00009

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Ag	**600**	**609**	**101**
Al	**100000**	**113519**	**114**
As	**2000**	**1982**	**99**
Ba	**600**	**588**	**98**
Be	**200**	**190**	**95**
Ca	**100000**	**105393**	**105**
Cd	**600**	**577**	**96**
Co	**600**	**576**	**96**
Cr	**600**	**571**	**95**
Cu	**600**	**595**	**99**
Fe	**40000**	**43944**	**110**
K	**40000**	**42885**	**107**
Mg	**100000**	**108251**	**108**
Mn	**400**	**384**	**96**
Na		**-88.2**	
Ni	**600**	**577**	**96**
Pb	**2000**	**1885**	**94**
Sb		**943**	
Se	**1000**	**980**	**98**
Sn		**247**	
Tl	**2000**	**1880**	**94**
V	**600**	**590**	**98**
Zn	**600**	**559**	**93**
B		*4.51*	
Li		*0.911*	
Mo		*0.324*	
Si		*-6.96*	
Si		*-5.51*	
SiO2		*-14.9*	
Sr		*0.624*	
Ti		*1.59*	
Zr		*1.59*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Lab Sample ID: ICSA 360-50204/10 Instrument ID: Varian ICP

Lab File ID: ICS Source: ICSA wk_00004

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Ag		**0.368**	
Al	**100000**	**111828**	**112**
As		**1.98**	
Ba		**0.296**	
Be		**0.0039**	
Ca	**100000**	**107579**	**108**
Cd		**0.853**	
Co		**1.74**	
Cr		**0.300**	
Cu		**0.421**	
Fe	**40000**	**42859**	**107**
K		**2810**	
Mg	**100000**	**108438**	**108**
Mn		**3.22**	
Na		**162**	
Ni		**4.73**	
Pb		**-1.66**	
Sb		**0.178**	
Se		**-3.70**	
Sn		**4.89**	
Tl		**0.289**	
V		**1.92**	
Zn		**0.590**	
B		*2.32*	
Li		*0.756*	
Mo		*0.594*	
Si		*-3.15*	
Si		*-2.81*	
SiO2		*-6.75*	
Sr		*0.587*	
Ti		*1.57*	
Zr		*0.577*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Lab Sample ID: ICSAB 360-50204/11 Instrument ID: Varian ICP

Lab File ID: ICS Source: ICSAB_00009

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Ag	**600**	**614**	**102**
Al	**100000**	**110623**	**111**
As	**2000**	**1963**	**98**
Ba	**600**	**588**	**98**
Be	**200**	**192**	**96**
Ca	**100000**	**105879**	**106**
Cd	**600**	**568**	**95**
Co	**600**	**572**	**95**
Cr	**600**	**566**	**94**
Cu	**600**	**604**	**101**
Fe	**40000**	**42383**	**106**
K	**40000**	**43359**	**108**
Mg	**100000**	**106211**	**106**
Mn	**400**	**383**	**96**
Na		**79.6**	
Ni	**600**	**577**	**96**
Pb	**2000**	**1860**	**93**
Sb		**957**	
Se	**1000**	**972**	**97**
Sn		**266**	
Tl	**2000**	**1867**	**93**
V	**600**	**584**	**97**
Zn	**600**	**543**	**90**
B		*2.94*	
Li		*0.660*	
Mo		*0.431*	
Si		*-2.75*	
Si		*-2.14*	
SiO2		*-5.88*	
Sr		*0.615*	
Ti		*1.58*	
Zr		*1.78*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Lab Sample ID: ICSA 360-50204/56 Instrument ID: Varian ICP

Lab File ID: ICS Source: ICSA wk_00004

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Ag		**0.643**	
Al	**100000**	**112534**	**113**
As		**0.871**	
Ba		**0.277**	
Be		**0.0021**	
Ca	**100000**	**106731**	**107**
Cd		**0.950**	
Co		**2.13**	
Cr		**0.406**	
Cu		**0.254**	
Fe	**40000**	**42626**	**107**
K		**2837**	
Mg	**100000**	**107577**	**108**
Mn		**3.23**	
Na		**124**	
Ni		**5.27**	
Pb		**-1.77**	
Sb		**0.422**	
Se		**-3.20**	
Sn		**3.55**	
Tl		**1.15**	
V		**2.06**	
Zn		**0.538**	
B		*11.0*	
Li		*0.521*	
Mo		*2.04*	
Si		*12.5*	
Si		*12.0*	
SiO2		*26.7*	
Sr		*0.598*	
Ti		*1.82*	
Zr		*0.887*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Lab Sample ID: ICSAB 360-50204/57 Instrument ID: Varian ICP

Lab File ID: ICS Source: ICSAB_00009

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Ag	**600**	**613**	**102**
Al	**100000**	**110991**	**111**
As	**2000**	**1943**	**97**
Ba	**600**	**591**	**99**
Be	**200**	**192**	**96**
Ca	**100000**	**104625**	**105**
Cd	**600**	**557**	**93**
Co	**600**	**566**	**94**
Cr	**600**	**563**	**94**
Cu	**600**	**604**	**101**
Fe	**40000**	**42138**	**105**
K	**40000**	**45028**	**113**
Mg	**100000**	**105041**	**105**
Mn	**400**	**381**	**95**
Na		**36.7**	
Ni	**600**	**572**	**95**
Pb	**2000**	**1844**	**92**
Sb		**940**	
Se	**1000**	**943**	**94**
Sn		**261**	
Tl	**2000**	**1843**	**92**
V	**600**	**582**	**97**
Zn	**600**	**531**	**89**
B		*6.95*	
Li		*0.614*	
Mo		*1.04*	
Si		*10.0*	
Si		*10.9*	
SiO2		*21.4*	
Sr		*0.623*	
Ti		*1.69*	
Zr		*3.10*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 360-49527/2-A

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

Sample Matrix: Solid LCS Source: stlma-3_00039

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	250	226		90	80	120		6010B
Antimony	50.0	43.3		87	80	120		6010B
Arsenic	50.0	45.0		90	80	120		6010B
Barium	50.0	46.6		93	80	120		6010B
Beryllium	50.0	45.4		91	80	120		6010B
Cadmium	50.0	45.2		90	80	120		6010B
Calcium	1000	925		93	80	120		6010B
Chromium	50.0	46.0		92	80	120		6010B
Cobalt	50.0	45.6		91	80	120		6010B
Copper	50.0	45.6		91	80	120		6010B
Iron	250	229		91	80	120		6010B
Lead	50.0	45.0		90	80	120		6010B
Magnesium	1000	904		90	80	120		6010B
Manganese	50.0	46.1		92	80	120		6010B
Nickel	50.0	45.2		90	80	120		6010B
Potassium	1000	842		84	80	120		6010B
Selenium	50.0	44.7		89	80	120		6010B
Silver	50.0	45.1		90	80	120		6010B
Sodium	1000	888		89	80	120		6010B
Thallium	50.0	44.4		89	80	120		6010B
Vanadium	50.0	46.3		93	80	120		6010B
Zinc	50.0	44.4		89	80	120		6010B
Tin	50.0	46.0		92	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCSD 360-49527/3-A

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

Sample Matrix: Solid LCS Source: stlma-3_00039

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	225		250	90	80-120	0	30		6010B
Antimony	44.1		50.0	88	80-120	2	30		6010B
Arsenic	45.0		50.0	90	80-120	0	30		6010B
Barium	46.6		50.0	93	80-120	0	30		6010B
Beryllium	45.5		50.0	91	80-120	0	30		6010B
Cadmium	45.0		50.0	90	80-120	0	30		6010B
Calcium	924		1000	92	80-120	0	30		6010B
Chromium	46.0		50.0	92	80-120	0	30		6010B
Cobalt	45.5		50.0	91	80-120	0	30		6010B
Copper	45.7		50.0	91	80-120	0	30		6010B
Iron	228		250	91	80-120	0	30		6010B
Lead	44.9		50.0	90	80-120	0	30		6010B
Magnesium	900		1000	90	80-120	0	30		6010B
Manganese	46.0		50.0	92	80-120	0	30		6010B
Nickel	45.0		50.0	90	80-120	0	30		6010B
Potassium	864		1000	86	80-120	3	30		6010B
Selenium	44.8		50.0	90	80-120	0	30		6010B
Silver	45.1		50.0	90	80-120	0	30		6010B
Sodium	880		1000	88	80-120	1	30		6010B
Thallium	44.3		50.0	89	80-120	0	30		6010B
Vanadium	46.3		50.0	93	80-120	0	30		6010B
Zinc	44.2		50.0	88	80-120	0	30		6010B
Tin	46.0		50.0	92	80-120	0	30		6010B

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 360-50159/2-A

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

Sample Matrix: Solid LCS Source: stlma-3_00041

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	250	231		92	80	120		6010B
Antimony	50.0	41.7		83	80	120		6010B
Arsenic	50.0	45.7		91	80	120		6010B
Barium	50.0	47.3		95	80	120		6010B
Beryllium	50.0	46.0		92	80	120		6010B
Cadmium	50.0	45.0		90	80	120		6010B
Calcium	1000	924		92	80	120		6010B
Chromium	50.0	46.7		93	80	120		6010B
Cobalt	50.0	45.8		92	80	120		6010B
Copper	50.0	47.6		95	80	120		6010B
Iron	250	233		93	80	120		6010B
Lead	50.0	45.7		91	80	120		6010B
Magnesium	1000	897		90	80	120		6010B
Manganese	50.0	46.6		93	80	120		6010B
Nickel	50.0	46.3		93	80	120		6010B
Potassium	1000	924		92	80	120		6010B
Selenium	50.0	45.3		91	80	120		6010B
Silver	50.0	46.3		93	80	120		6010B
Sodium	1000	898		90	80	120		6010B
Thallium	50.0	44.9		90	80	120		6010B
Vanadium	50.0	46.6		93	80	120		6010B
Zinc	50.0	44.6		89	80	120		6010B
Tin	50.0	44.9		90	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCSD 360-50159/3-A

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

Sample Matrix: Solid LCS Source: stlma-3_00041

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	231		250	92	80-120	0	30		6010B
Antimony	42.2		50.0	84	80-120	1	30		6010B
Arsenic	45.6		50.0	91	80-120	0	30		6010B
Barium	47.3		50.0	95	80-120	0	30		6010B
Beryllium	46.0		50.0	92	80-120	0	30		6010B
Cadmium	44.9		50.0	90	80-120	0	30		6010B
Calcium	925		1000	92	80-120	0	30		6010B
Chromium	46.8		50.0	94	80-120	0	30		6010B
Cobalt	45.8		50.0	92	80-120	0	30		6010B
Copper	47.1		50.0	94	80-120	1	30		6010B
Iron	235		250	94	80-120	1	30		6010B
Lead	45.5		50.0	91	80-120	0	30		6010B
Magnesium	895		1000	90	80-120	0	30		6010B
Manganese	46.6		50.0	93	80-120	0	30		6010B
Nickel	46.2		50.0	92	80-120	0	30		6010B
Potassium	932		1000	93	80-120	1	30		6010B
Selenium	45.3		50.0	91	80-120	0	30		6010B
Silver	46.3		50.0	93	80-120	0	30		6010B
Sodium	894		1000	89	80-120	0	30		6010B
Thallium	45.0		50.0	90	80-120	0	30		6010B
Vanadium	46.6		50.0	93	80-120	0	30		6010B
Zinc	44.5		50.0	89	80-120	0	30		6010B
Tin	44.9		50.0	90	80-120	0	30		6010B

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 360-49278/2-A

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

Sample Matrix: Solid LCS Source: METHG1mg/L_00517

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	1.25	1.27		102	80	120		7471A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCSD 360-49278/3-A

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

Sample Matrix: Solid LCS Source: METHG1mg/L_00517

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	1.30		1.25	104	80-120	3	30		7471A

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24365-2

SDG Number: OCRI-09A

Matrix: Solid Instrument ID: Varian ICP

Analysis Method: 6010B MDL Date: 06/24/2009 13:14

Prep Method: 3050B

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (ug/Kg)
Aluminum	237.312	2.5	650
Antimony	217.582	0.5	181
Arsenic	188.980	1	91.2
Barium	493.408	0.5	65
Beryllium	313.042	0.2	25
Cadmium	214.439	0.2	7
Calcium	373.690	10	2500
Chromium	267.716	0.5	66.5
Cobalt	228.615	0.5	65
Copper	327.395	1	65
Iron	273.955	5	797
Lead	220.353	0.5	57.1
Magnesium	279.078	10	500
Manganese	257.610	1	66.8
Nickel	216.555	1	65
Potassium	404.721	200	31260
Selenium	196.026	0.5	234
Silver	338.289	0.5	50.3
Sodium	330.237	100	13000
Thallium	190.794	1	72.3
Tin	283.998	5	320
Vanadium	292.401	1	65
Zinc	202.548	2.5	588

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24365-2

SDG Number: OCRI-09A

Matrix: Solid Instrument ID: Hg Analyzer

Analysis Method: 7471A MDL Date: 05/20/2009 14:47

Prep Method: 7471A

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury		0.1	0.034

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24365-2

SDG No.: OCRI-09A

ICP-AES Instrument ID: Varian ICP Date: 01/01/2009

Analyte	Wave Length	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	CaCO3	Cd	Co	Cr	Cr6
Aluminum	237.312														
Antimony	217.528														
Arsenic	188.980														
Barium	493.408														
Beryllium	313.004 2														
Bismuth															
Boron	249.678														
Cadmium	214.439														
Calcium	373.690														
Chromium	267.716														
Cobalt	228.615														
Copper	327.395														
Gold															
Iron	273.955														
Lanthanum															
Lead	220.353														
Lithium	610.365														
Lutetium															
Magnesium	279.078														
Manganese	257.610														
Molybdenum	202.032														
Nickel	216.555														
Palladium															
Phosphorus															
Potassium	404.721														
Selenium	196.026														
Silicon	251.611														
Silver	338.289														
Sodium	330.237														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24365-2

SDG No.: OCRI-09A

ICP-AES Instrument ID: Varian ICP Date: 01/01/2009

Analyte	Wave Length	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	CaCO3	Cd	Co	Cr	Cr6
Strontium	421.552														
Sulfur															
Thallium	190.794														
Thorium															
Tin	283.998														
Titanium	336.122														
Tungsten															
Uranium															
Vanadium	292.401														
Yttrium															
Zinc	202.548														
Zirconium	339.198														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24365-2

SDG No.: OCRI-09A

ICP-AES Instrument ID: Varian ICP Date: 01/01/2009

Analyte	Wave Length	Cu	Fe	HardC	K	La	Li	Lu	Mg	MgHAR	Mn	Mo	Na	Ni	P
Aluminum	237.312														
Antimony	217.528														
Arsenic	188.980														
Barium	493.408														
Beryllium	313.004 2														
Bismuth															
Boron	249.678														
Cadmium	214.439														
Calcium	373.690														
Chromium	267.716														
Cobalt	228.615														
Copper	327.395														
Gold															
Iron	273.955														
Lanthanum															
Lead	220.353														
Lithium	610.365														
Lutetium															
Magnesium	279.078														
Manganese	257.610														
Molybdenum	202.032														
Nickel	216.555														
Palladium															
Phosphorus															
Potassium	404.721														
Selenium	196.026														
Silicon	251.611														
Silver	338.289														
Sodium	330.237														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24365-2

SDG No.: OCRI-09A

ICP-AES Instrument ID: Varian ICP Date: 01/01/2009

Analyte	Wave Length	Cu	Fe	HardC	K	La	Li	Lu	Mg	MgHAR	Mn	Mo	Na	Ni	P
Strontium	421.552														
Sulfur															
Thallium	190.794														
Thorium															
Tin	283.998														
Titanium	336.122														
Tungsten															
Uranium															
Vanadium	292.401														
Yttrium															
Zinc	202.548														
Zirconium	339.198														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24365-2

SDG No.: OCRI-09A

ICP-AES Instrument ID: Varian ICP Date: 01/01/2009

Analyte	Wave Length	Pb	Pd	Pt	S	Sb	Sc	Se	Si	SiO2	Sn	Sr	Te	Th	Ti
Aluminum	237.312														
Antimony	217.528														
Arsenic	188.980														
Barium	493.408														
Beryllium	313.004 2														
Bismuth															
Boron	249.678														
Cadmium	214.439														
Calcium	373.690														
Chromium	267.716														
Cobalt	228.615														
Copper	327.395														
Gold															
Iron	273.955														
Lanthanum															
Lead	220.353														
Lithium	610.365														
Lutetium															
Magnesium	279.078														
Manganese	257.610														
Molybdenum	202.032														
Nickel	216.555														
Palladium															
Phosphorus															
Potassium	404.721														
Selenium	196.026														
Silicon	251.611														
Silver	338.289														
Sodium	330.237														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24365-2

SDG No.: OCRI-09A

ICP-AES Instrument ID: Varian ICP Date: 01/01/2009

Analyte	Wave Length	Pb	Pd	Pt	S	Sb	Sc	Se	Si	SiO2	Sn	Sr	Te	Th	Ti
Strontium	421.552														
Sulfur															
Thallium	190.794														
Thorium															
Tin	283.998														
Titanium	336.122														
Tungsten															
Uranium															
Vanadium	292.401														
Yttrium															
Zinc	202.548														
Zirconium	339.198														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24365-2

SDG No.: OCRI-09A

ICP-AES Instrument ID: Varian ICP Date: 01/01/2009

Analyte	Wave Length	Tl	U	V	V2O5	W	Y	Zn	Zr						
Aluminum	237.312														
Antimony	217.528														
Arsenic	188.980														
Barium	493.408														
Beryllium	313.004 2														
Bismuth															
Boron	249.678														
Cadmium	214.439														
Calcium	373.690														
Chromium	267.716														
Cobalt	228.615														
Copper	327.395														
Gold															
Iron	273.955														
Lanthanum															
Lead	220.353														
Lithium	610.365														
Lutetium															
Magnesium	279.078														
Manganese	257.610														
Molybdenum	202.032														
Nickel	216.555														
Palladium															
Phosphorus															
Potassium	404.721														
Selenium	196.026														
Silicon	251.611														
Silver	338.289														
Sodium	330.237														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24365-2

SDG No.: OCRI-09A

ICP-AES Instrument ID: Varian ICP Date: 01/01/2009

Analyte	Wave Length	Tl	U	V	V2O5	W	Y	Zn	Zr						
Strontium	421.552														
Sulfur															
Thallium	190.794														
Thorium															
Tin	283.998														
Titanium	336.122														
Tungsten															
Uranium															
Vanadium	292.401														
Yttrium															
Zinc	202.548														
Zirconium	339.198														

X-IN

11-IN
ICP-AES AND ICP-MS LINEAR RANGES
METALS

Lab Name: TestAmerica Westfield Job No: 360-24365-2

SDG No.: OCRI-09A

Instrument ID: Varian ICP Date: 01/01/2009 14:05

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Aluminum		200000	6010B
Antimony		50000	6010B
Arsenic		50000	6010B
Barium		10000	6010B
Beryllium		8000	6010B
Cadmium		15000	6010B
Calcium		500000	6010B
Chromium		50000	6010B
Cobalt		50000	6010B
Copper		50000	6010B
Iron		700000	6010B
Lead		50000	6010B
Magnesium		175000	6010B
Manganese		15000	6010B
Nickel		50000	6010B
Potassium		75000	6010B
Selenium		50000	6010B
Silver		25000	6010B
Sodium		500000	6010B
Thallium		50000	6010B
Vanadium		50000	6010B
Zinc		20000	6010B
Tin			6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Preparation Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 360-49527/1-A	09/28/2009 08:10	49527	2.0		100
LCS 360-49527/2-A	09/28/2009 08:10	49527	2.0		100
LCSD 360-49527/3-A	09/28/2009 08:10	49527	2.0		100
360-24365-2	09/28/2009 08:10	49527	1.94		100
360-24365-6	09/28/2009 08:10	49527	1.63		100
360-24365-9	09/28/2009 08:10	49527	1.57		100
360-24365-14	09/28/2009 08:10	49527	1.77		100

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Preparation Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 360-50159/1-A	10/12/2009 08:52	50159	2.0		100
LCS 360-50159/2-A	10/12/2009 08:52	50159	2.0		100
LCSD 360-50159/3-A	10/12/2009 08:52	50159	2.0		100
360-24365-17	10/12/2009 08:52	50159	1.85		100

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Preparation Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 360-49278/1-A	09/22/2009 09:07	49278	0.2		50
LCS 360-49278/2-A	09/22/2009 09:07	49278	0.2		50
LCSD 360-49278/3-A	09/22/2009 09:07	49278	0.2		50
360-24365-6	09/22/2009 09:07	49278	0.30		50

FORM XII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/28/2009 10:00 End Date: 09/28/2009 15:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Sn
ZZZZZZ			10:00																				
ZZZZZZ			10:03																				
ZZZZZZ			10:06																				
ZZZZZZ			10:09																				
ZZZZZZ			10:12																				
ICV 360-49582/6	1		10:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 360-49582/7	1		10:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 360-49582/8	1		10:20		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 360-49582/9	1		10:23	X		X	X	X		X		X							X	X	X	X	
ICSA 360-49582/10	1		10:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 360-49582/11	1		10:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			10:32																				
CCV 360-49582/13	1		10:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49582/14	1		10:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 360-49582/15			10:41																				
ICV 360-49582/16			10:44																				
ICV 360-49582/17			10:47																				
CRI 360-49582/18	1		10:57	X																			
ZZZZZZ			11:00																				
ZZZZZZ			11:03																				
MB 360-49527/1-A	1	T	12:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 360-49527/2-A	1	T	12:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSD 360-49527/3-A	1	T	12:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			12:39																				
CCV 360-49582/25	1		12:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49582/26	1		12:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			12:48																				
ZZZZZZ			12:51																				
ZZZZZZ			12:54																				
ZZZZZZ			12:57																				
ZZZZZZ			12:59																				
ZZZZZZ			13:02																				
ZZZZZZ			13:05																				
ZZZZZZ			13:08																				
ZZZZZZ			13:11																				
ZZZZZZ			13:14																				
CCV 360-49582/37	1		13:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49582/38	1		13:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			13:23																				
ZZZZZZ			13:25																				
ZZZZZZ			13:28																				
ZZZZZZ			13:31																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/28/2009 10:00 End Date: 09/28/2009 15:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Sn
ZZZZZZ			13:34																				
ZZZZZZ			13:37																				
360-24365-2	1	T	13:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24365-6	1	T	13:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24365-9	1	T	13:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24365-14	1	T	13:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 360-49582/49	1		13:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49582/50	1		13:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			13:57																				
ICSA 360-49582/52	1		15:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 360-49582/53	1		15:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 360-49582/54	1		15:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49582/55	1		15:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/28/2009 10:00 End Date: 09/28/2009 15:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				Tl	V	Zn																	
ZZZZZZ			10:00																				
ZZZZZZ			10:03																				
ZZZZZZ			10:06																				
ZZZZZZ			10:09																				
ZZZZZZ			10:12																				
ICV 360-49582/6	1		10:15	X	X	X																	
ICB 360-49582/7	1		10:18	X	X	X																	
CRI 360-49582/8	1		10:20	X	X	X																	
CRI 360-49582/9	1		10:23	X	X	X																	
ICSA 360-49582/10	1		10:26	X	X	X																	
ICSAB 360-49582/11	1		10:29	X	X	X																	
ZZZZZZ			10:32																				
CCV 360-49582/13	1		10:35	X	X	X																	
CCB 360-49582/14	1		10:38	X	X	X																	
ICB 360-49582/15			10:41																				
ICV 360-49582/16			10:44																				
ICV 360-49582/17			10:47																				
CRI 360-49582/18	1		10:57																				
ZZZZZZ			11:00																				
ZZZZZZ			11:03																				
MB 360-49527/1-A	1	T	12:31	X	X	X																	
LCS 360-49527/2-A	1	T	12:33	X	X	X																	
LCSD 360-49527/3-A	1	T	12:36	X	X	X																	
ZZZZZZ			12:39																				
CCV 360-49582/25	1		12:42	X	X	X																	
CCB 360-49582/26	1		12:45	X	X	X																	
ZZZZZZ			12:48																				
ZZZZZZ			12:51																				
ZZZZZZ			12:54																				
ZZZZZZ			12:57																				
ZZZZZZ			12:59																				
ZZZZZZ			13:02																				
ZZZZZZ			13:05																				
ZZZZZZ			13:08																				
ZZZZZZ			13:11																				
ZZZZZZ			13:14																				
CCV 360-49582/37	1		13:17	X	X	X																	
CCB 360-49582/38	1		13:20	X	X	X																	
ZZZZZZ			13:23																				
ZZZZZZ			13:25																				
ZZZZZZ			13:28																				
ZZZZZZ			13:31																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/28/2009 10:00 End Date: 09/28/2009 15:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				Tl	V	Zn																	
ZZZZZZ			13:34																				
ZZZZZZ			13:37																				
360-24365-2	1	T	13:40	X	X	X																	
360-24365-6	1	T	13:43	X	X	X																	
360-24365-9	1	T	13:46	X	X	X																	
360-24365-14	1	T	13:49	X	X	X																	
CCV 360-49582/49	1		13:51	X	X	X																	
CCB 360-49582/50	1		13:54	X	X	X																	
ZZZZZZ			13:57																				
ICSA 360-49582/52	1		15:00	X	X	X																	
ICSAB 360-49582/53	1		15:02	X	X	X																	
CCV 360-49582/54	1		15:26	X	X	X																	
CCB 360-49582/55	1		15:28	X	X	X																	

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Instrument ID: Varian ICP Method: 6010B

Start Date: 10/12/2009 10:22 End Date: 10/12/2009 18:27

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Sn
ZZZZZZ			10:22																				
ZZZZZZ			10:25																				
ZZZZZZ			10:28																				
ZZZZZZ			10:31																				
ZZZZZZ			10:34																				
ICV 360-50204/6	1		10:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 360-50204/7	1		10:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 360-50204/8	1		10:42		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 360-50204/9	1		10:45	X		X	X	X		X		X							X	X	X	X	
ICSA 360-50204/10	1		10:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 360-50204/11	1		10:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			10:54																				
CCV 360-50204/13	1		10:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-50204/14	1		11:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 360-50204/15			11:03																				
ICV 360-50204/16			11:06																				
ICV 360-50204/17			11:09																				
CRI 360-50204/18	1		11:19	X																			
CRI 360-50204/19			11:22																				
CRI 360-50204/20	1		11:31																				
CCV 360-50204/21	1		16:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-50204/22	1		16:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 360-50159/1-A	1	T	16:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 360-50159/2-A	1	T	16:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSD 360-50159/3-A	1	T	16:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:57																				
ZZZZZZ			17:00																				
ZZZZZZ			17:03																				
ZZZZZZ			17:06																				
ZZZZZZ			17:09																				
CCV 360-50204/31	1		17:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-50204/32	1		17:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			17:18																				
360-24365-17	1	T	17:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			17:23																				
ZZZZZZ			17:26																				
ZZZZZZ			17:29																				
ZZZZZZ			17:32																				
ZZZZZZ			17:35																				
ZZZZZZ			17:38																				
ZZZZZZ			17:41																				
ZZZZZZ			17:44																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Instrument ID: Varian ICP Method: 6010B

Start Date: 10/12/2009 10:22 End Date: 10/12/2009 18:27

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Sn
CCV 360-50204/43	1		17:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-50204/44	1		17:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			17:52																				
ZZZZZZ			17:55																				
ZZZZZZ			17:58																				
ZZZZZZ			18:01																				
ZZZZZZ			18:04																				
ZZZZZZ			18:07																				
ZZZZZZ			18:10																				
ZZZZZZ			18:13																				
ZZZZZZ			18:15																				
CCV 360-50204/54	1		18:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-50204/55	1		18:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 360-50204/56	1		18:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 360-50204/57	1		18:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Instrument ID: Varian ICP Method: 6010B

Start Date: 10/12/2009 10:22 End Date: 10/12/2009 18:27

Lab Sample ID	D/F	Type	Time	Analytes																			
				Tl	V	Zn																	
ZZZZZZ			10:22																				
ZZZZZZ			10:25																				
ZZZZZZ			10:28																				
ZZZZZZ			10:31																				
ZZZZZZ			10:34																				
ICV 360-50204/6	1		10:37	X	X	X																	
ICB 360-50204/7	1		10:40	X	X	X																	
CRI 360-50204/8	1		10:42	X	X	X																	
CRI 360-50204/9	1		10:45		X	X																	
ICSA 360-50204/10	1		10:48	X	X	X																	
ICSAB 360-50204/11	1		10:51	X	X	X																	
ZZZZZZ			10:54																				
CCV 360-50204/13	1		10:57	X	X	X																	
CCB 360-50204/14	1		11:00	X	X	X																	
ICB 360-50204/15			11:03																				
ICV 360-50204/16			11:06																				
ICV 360-50204/17			11:09																				
CRI 360-50204/18	1		11:19																				
CRI 360-50204/19			11:22																				
CRI 360-50204/20	1		11:31	X																			
CCV 360-50204/21	1		16:37	X	X	X																	
CCB 360-50204/22	1		16:40	X	X	X																	
MB 360-50159/1-A	1	T	16:49	X	X	X																	
LCS 360-50159/2-A	1	T	16:51	X	X	X																	
LCSD 360-50159/3-A	1	T	16:54	X	X	X																	
ZZZZZZ			16:57																				
ZZZZZZ			17:00																				
ZZZZZZ			17:03																				
ZZZZZZ			17:06																				
ZZZZZZ			17:09																				
CCV 360-50204/31	1		17:12	X	X	X																	
CCB 360-50204/32	1		17:15	X	X	X																	
ZZZZZZ			17:18																				
360-24365-17	1	T	17:20	X	X	X																	
ZZZZZZ			17:23																				
ZZZZZZ			17:26																				
ZZZZZZ			17:29																				
ZZZZZZ			17:32																				
ZZZZZZ			17:35																				
ZZZZZZ			17:38																				
ZZZZZZ			17:41																				
ZZZZZZ			17:44																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Instrument ID: Varian ICP Method: 6010B

Start Date: 10/12/2009 10:22 End Date: 10/12/2009 18:27

Lab Sample ID	D/F	Type	Time	Analytes																			
				Tl	V	Zn																	
CCV 360-50204/43	1		17:46	X	X	X																	
CCB 360-50204/44	1		17:49	X	X	X																	
ZZZZZZ			17:52																				
ZZZZZZ			17:55																				
ZZZZZZ			17:58																				
ZZZZZZ			18:01																				
ZZZZZZ			18:04																				
ZZZZZZ			18:07																				
ZZZZZZ			18:10																				
ZZZZZZ			18:13																				
ZZZZZZ			18:15																				
CCV 360-50204/54	1		18:18	X	X	X																	
CCB 360-50204/55	1		18:21	X	X	X																	
ICSA 360-50204/56	1		18:24	X	X	X																	
ICSAB 360-50204/57	1		18:27	X	X	X																	

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Instrument ID: Hg Analyzer Method: 7471A

Start Date: 09/23/2009 08:04 End Date: 09/23/2009 13:42

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
STD01REP1 360-49362/1 IC			08:04	X																			
STD01REP2 360-49362/2 IC			08:06	X																			
STD02REP1 360-49362/3 IC			08:08	X																			
STD02REP2 360-49362/4 IC			08:10	X																			
STD03REP1 360-49362/5 IC			08:13	X																			
STD03REP2 360-49362/6 IC			08:15	X																			
STD04REP1 360-49362/7 IC			08:17	X																			
STD04REP2 360-49362/8 IC			08:19	X																			
STD05REP1 360-49362/9 IC			08:21	X																			
STD05REP2 360-49362/10 IC			08:23	X																			
STD06REP1 360-49362/11 IC			08:24	X																			
STD06REP2 360-49362/12 IC			08:26	X																			
STD01REP1 360-49362/13 IC			08:28	X																			
STD01REP2 360-49362/14 IC			08:31	X																			
STD02REP1 360-49362/15 IC			08:33	X																			
STD02REP2 360-49362/16 IC			08:35	X																			
ICV 360-49362/17	1		08:37	X																			
ZZZZZZ			08:40																				
ICB 360-49362/19	1		08:42	X																			
ZZZZZZ			09:12																				
ZZZZZZ			09:14																				
ZZZZZZ			09:15																				
ZZZZZZ			09:17																				
ZZZZZZ			09:19																				
ZZZZZZ			09:20																				
ZZZZZZ			09:23																				
ZZZZZZ			09:25																				
ZZZZZZ			09:27																				
ZZZZZZ			09:29																				
CCV 360-49362/30			09:31																				
CCB 360-49362/31			09:35																				
ZZZZZZ			09:37																				
ZZZZZZ			09:38																				
ZZZZZZ			09:40																				
ZZZZZZ			09:42																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

Instrument ID: Hg Analyzer Method: 7471A

Start Date: 09/23/2009 08:04 End Date: 09/23/2009 13:42

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			09:44																				
ZZZZZZ			09:46																				
ZZZZZZ			09:48																				
ZZZZZZ			09:51																				
ZZZZZZ			09:54																				
ZZZZZZ			09:55																				
CCV 360-49362/42	1		09:58	X																			
CCB 360-49362/43	1		10:00	X																			
ZZZZZZ			10:02																				
ZZZZZZ			10:04																				
ZZZZZZ			10:06																				
ZZZZZZ			10:08																				
ZZZZZZ			10:10																				
MB 360-49278/1-A	1	T	10:12	X																			
LCS 360-49278/2-A	1	T	10:14	X																			
LCSD 360-49278/3-A	1	T	10:16	X																			
ZZZZZZ			10:17																				
ZZZZZZ			10:19																				
CCV 360-49362/54	1		10:21	X																			
CCB 360-49362/55	1		10:23	X																			
ZZZZZZ			10:25																				
ZZZZZZ			10:27																				
ZZZZZZ			10:29																				
ZZZZZZ			10:31																				
ZZZZZZ			10:33																				
ZZZZZZ			10:35																				
ZZZZZZ			10:37																				
ZZZZZZ			10:40																				
360-24365-6	1	T	10:42	X																			
CCV 360-49362/65	1		10:44	X																			
CCB 360-49362/66	1		10:46	X																			
CCV 360-49362/67			12:57																				
CCB 360-49362/68			12:59																				
ZZZZZZ			13:00																				
ZZZZZZ			13:02																				
ZZZZZZ			13:04																				
ZZZZZZ			13:05																				
ZZZZZZ			13:07																				
ZZZZZZ			13:10																				
ZZZZZZ			13:12																				
ZZZZZZ			13:14																				
ZZZZZZ			13:16																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24365-2

SDG No.: OCRI-09A

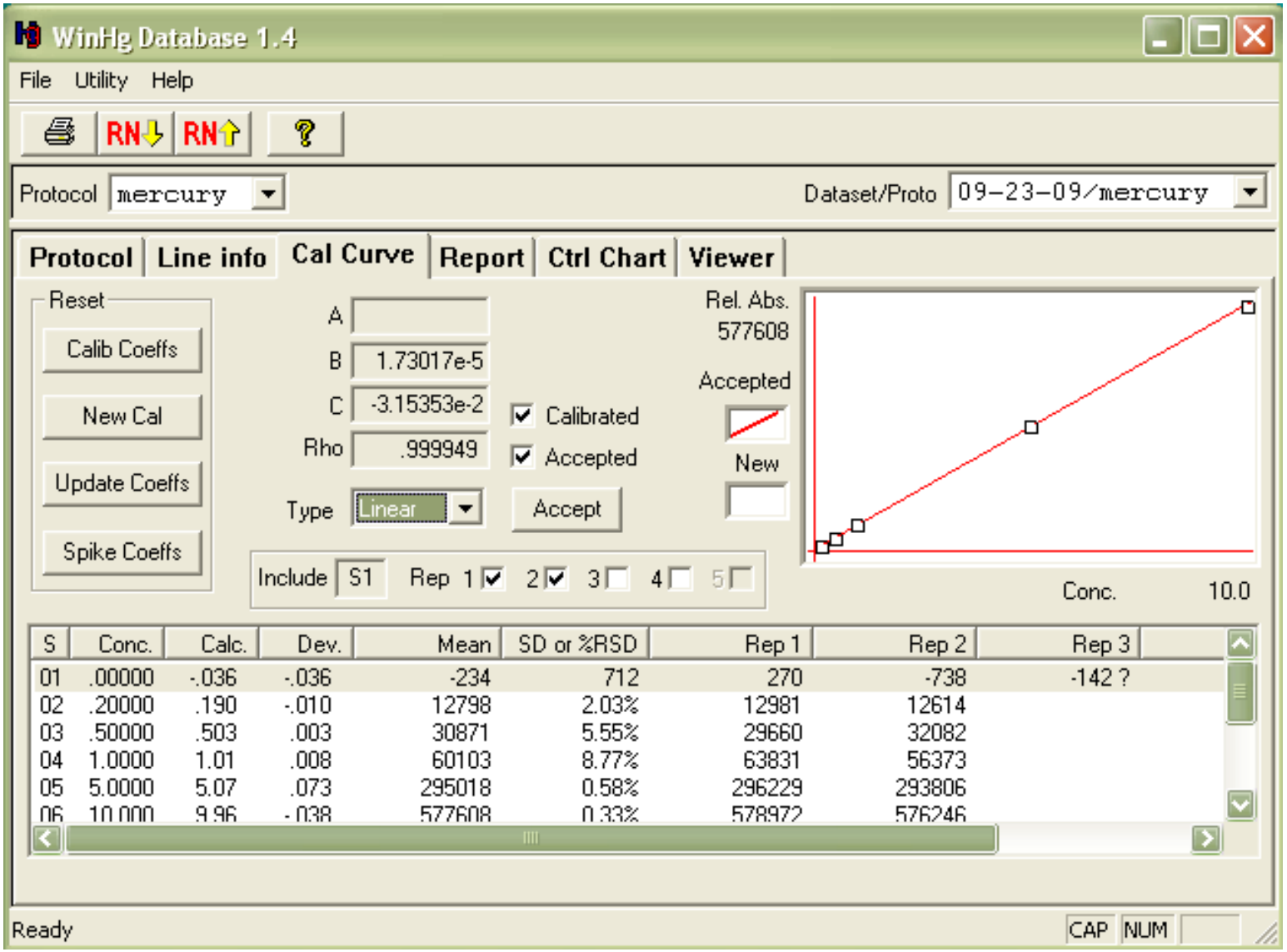
Instrument ID: Hg Analyzer Method: 7471A

Start Date: 09/23/2009 08:04 End Date: 09/23/2009 13:42

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			13:18																				
CCV 360-49362/79			13:19																				
CCB 360-49362/80			13:22																				
ZZZZZZ			13:24																				
ZZZZZZ			13:26																				
ZZZZZZ			13:27																				
ZZZZZZ			13:29																				
ZZZZZZ			13:31																				
ZZZZZZ			13:33																				
ZZZZZZ			13:34																				
ZZZZZZ			13:36																				
ZZZZZZ			13:38																				
CCV 360-49362/90			13:40																				
CCB 360-49362/91			13:42																				

Prep Types

T = Total/NA


WinHg Database 1.4
File Utility Help
RN RN
Protocol mercury
Dataset/Proto 09-23-09/mercury
Protocol Line info Cal Curve Report Ctrl Chart Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 1.73017e-5
C -3.15353e-2
Rho .999949
Type Linear
Calibrated
Accepted
Accept
Rel. Abs.
577608
Accepted
New
Conc. 10.0
Include S1 Rep 1 2 3 4 5
S Conc. Calc. Dev. Mean SD or %RSD Rep 1 Rep 2 Rep 3
01 .00000 -.036 -.036 -234 712 270 -738 -142 ?
02 .20000 .190 -.010 12798 2.03% 12981 12614
03 .50000 .503 .003 30871 5.55% 29660 32082
04 1.0000 1.01 .008 60103 8.77% 63831 56373
05 5.0000 5.07 .073 295018 0.58% 296229 293806
06 10.000 9.96 -.038 577608 0.33% 578972 576246
Ready
CAP NUM

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 0 08:04:15 23 Sep 09 HG

Hg .000 ppb 5275

*** Standard: 1 Rep: 2 Seq: 1 08:06:27 23 Sep 09 HG

Hg .000 ppb -1392

*** Standard: 2 Rep: 1 Seq: 2 08:08:23 23 Sep 09 HG

Hg .200 ppb 14680

*** Standard: 2 Rep: 2 Seq: 3 08:10:46 23 Sep 09 HG

Hg .200 ppb 20199

*** Standard: 3 Rep: 1 Seq: 4 08:13:10 23 Sep 09 HG

Hg .500 ppb 29659

*** Standard: 3 Rep: 2 Seq: 5 08:15:32 23 Sep 09 HG

Hg .500 ppb 32082

*** Standard: 4 Rep: 1 Seq: 6 08:17:30 23 Sep 09 HG

Hg 1.00 ppb 63831

*** Standard: 4 Rep: 2 Seq: 7 08:19:13 23 Sep 09 HG

Hg 1.00 ppb 56373

*** Standard: 5 Rep: 1 Seq: 8 08:21:18 23 Sep 09 HG

Hg 5.00 ppb 296228

*** Standard: 5 Rep: 2 Seq: 9 08:23:00 23 Sep 09 HG

Hg 5.00 ppb 293806

*** Standard: 6 Rep: 1 Seq: 10 08:24:48 23 Sep 09 HG

Hg 10.0 ppb 578971

*** Standard: 6 Rep: 2 Seq: 11 08:26:40 23 Sep 09 HG

Hg 10.0 ppb 576246

*** Standard: 1 Rep: 1 Seq: 12 08:28:51 23 Sep 09 HG

Hg .000 ppb 270

*** Standard: 1 Rep: 2 Seq: 13 08:31:57 23 Sep 09 HG

Hg .000 ppb -738

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------

*** Standard: 2 Rep: 1              Seq:  14      08:33:51 23 Sep 09   HG

Hg    .200    ppb      12981

*** Standard: 2 Rep: 2              Seq:  15      08:35:35 23 Sep 09   HG

Hg    .200    ppb      12614

*** Check Standard: 2  Ck2ICV       Seq:  16      08:37:49 23 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          103.     5.15    5.00   ppb        .000

*** Check Standard: 3  Ck3IPC       Seq:  17      08:40:05 23 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          104.     5.20    5.00   ppb        .000

*** Check Standard: 5  Ck5ICB       Seq:  18      08:42:36 23 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg         -58.6    -.059    .100   ppb        .000

*** Sample ID: MB                    Seq:  19      09:12:24 23 Sep 09   HG
                          49277
Hg   -.135    ppb       .000     -.135

================================================================================
*** Sample ID: LCS                   Seq:  20      09:14:07 23 Sep 09   HG

Hg    5.16    ppb       .000      5.16
                                                                              =
================================================================================
*** Sample ID: LCSD                  Seq:  21      09:15:48 23 Sep 09   HG

Hg    5.20    ppb       .000      5.20
                                                                              =
================================================================================
*** Sample ID: 24665A1A              Seq:  22      09:17:28 23 Sep 09   HG

Hg    .270    ppb       .000      .270
                                                                              =
================================================================================
*** Sample ID: 24665A1B              Seq:  23      09:19:14 23 Sep 09   HG
                             DU
Hg    .253    ppb       .000      .253
                                                                              =
================================================================================
*** Sample ID: 24665A1C              Seq:  24      09:20:58 23 Sep 09   HG
                             MS
Hg    5.33    ppb       .000      5.33
                                                                              =
================================================================================
*** Sample ID: 24665A2A              Seq:  25      09:23:31 23 Sep 09   HG

Hg    .409    ppb       .000      .409
                                                                              =
================================================================================
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------

*** Sample ID: 24665A3A              Seq:  26     09:25:33 23 Sep 09   HG

Hg    .093    ppb       .000      .093
                                                                                =
================================================================================
*** Sample ID: 24665A4A              Seq:  27     09:27:17 23 Sep 09   HG

Hg    .062    ppb       .000      .062
                                                                                =
================================================================================
*** Sample ID: 24665A5A              Seq:  28     09:29:12 23 Sep 09   HG

Hg    .119    ppb       .000      .119
                                                                                =
*** Check Standard: 4  Ck4CCV       Seq:  29      09:31:25 23 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          99.5     4.98    5.00   ppb        .000
                                                                                =
*** Check Standard: 1  Ck1CCB       Seq:  30      09:35:02 23 Sep 09   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.041     .100     ppb        .000
                                                                                =
*** Sample ID: 24665A6A              Seq:  31     09:37:13 23 Sep 09   HG

Hg    .143    ppb       .000      .143
                                                                                =
================================================================================
*** Sample ID: 24665A7A              Seq:  32     09:38:56 23 Sep 09   HG

Hg    .107    ppb       .000      .107
                                                                                =
================================================================================
*** Sample ID: 24665A8A              Seq:  33     09:40:52 23 Sep 09   HG

Hg    .145    ppb       .000      .145
                                                                                =
================================================================================
*** Sample ID: 24665A9A              Seq:  34     09:42:56 23 Sep 09   HG

Hg    .220    ppb       .000      .220
                                                                                =
================================================================================
*** Sample ID: 24665A10A             Seq:  35     09:44:37 23 Sep 09   HG

Hg    .256    ppb       .000      .256
                                                                                =
================================================================================
*** Sample ID: 24665A11A             Seq:  36     09:46:23 23 Sep 09   HG

Hg    .164    ppb       .000      .164
                                                                                =
================================================================================
*** Sample ID: 24665A12A             Seq:  37     09:48:54 23 Sep 09   HG

Hg    .106    ppb       .000      .106
                                                                                =
================================================================================
 STL-WESTFIELD                 Folder:   09-23-09                     Page  530
                             Protocol: mercury
                            ***POST-RUN REPORT***
                                     Page 3
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------

*** Sample ID: 24665A13A             Seq:  38     09:51:14 23 Sep 09   HG

Hg    .147    ppb       .000      .147
                                                                                =
================================================================================
*** Sample ID: 24665A15A             Seq:  39     09:54:01 23 Sep 09   HG

Hg   -.011    ppb       .000     -.011
                                                                                =
================================================================================
*** Sample ID: 24665A16A             Seq:  40     09:55:46 23 Sep 09   HG

Hg    .112    ppb       .000      .112
                                                                                =
*** Check Standard: 4  Ck4CCV       Seq:  41      09:58:21 23 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          104.     5.18    5.00   ppb        .000
                                                                                =
*** Check Standard: 1  Ck1CCB       Seq:  42      10:00:13 23 Sep 09   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg      L  -.197     .100     ppb        .000
                                                                                =
*** Sample ID: 24665A17A             Seq:  43     10:02:24 23 Sep 09   HG

Hg   -.005    ppb       .000     -.005
                                                                                =
================================================================================
*** Sample ID: 24578A2G              Seq:  44     10:04:39 23 Sep 09   HG

Hg   -.108    ppb       .000     -.108
                                                                                =
================================================================================
*** Sample ID: 24678A1C              Seq:  45     10:06:42 23 Sep 09   HG

Hg    .187    ppb       .000      .187
                                                                                =
================================================================================
*** Sample ID: 24678A2C              Seq:  46     10:08:45 23 Sep 09   HG

Hg    .102    ppb       .000      .102
                                                                                =
================================================================================
*** Sample ID: 24678A3C              Seq:  47     10:10:25 23 Sep 09   HG

Hg    .080    ppb       .000      .080
                                                                                =
================================================================================
*** Sample ID: MB                    Seq:  48     10:12:11 23 Sep 09   HG
                            49278
Hg    .001    ppb       .000      .001
                                                                                =
================================================================================
*** Sample ID: LCS                   Seq:  49     10:14:05 23 Sep 09   HG

Hg    5.08    ppb       .000      5.08
                                                                                =
================================================================================
 STL-WESTFIELD                 Folder:   09-23-09                     Page  531
                             Protocol: mercury
                            ***POST-RUN REPORT***
                                     Page 4
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------

*** Sample ID: LCSD                  Seq:  50     10:16:10 23 Sep 09   HG

Hg    5.21    ppb       .000      5.21
                                                                                =
================================================================================
*** Sample ID: 24642A1B              Seq:  51     10:17:56 23 Sep 09   HG

Hg    1.31    ppb       .000      1.31
                                                                                =
================================================================================
*** Sample ID: 24642A1C              Seq:  52     10:19:41 23 Sep 09   HG
                              DU
Hg    1.61    ppb       .000      1.61
                                                                                =
*** Check Standard: 4  Ck4CCV       Seq:  53     10:21:24 23 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          106.     5.28    5.00   ppb        .000
                                                                                =
*** Check Standard: 1  Ck1CCB       Seq:  54     10:23:59 23 Sep 09   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg      L  -.115     .100     ppb        .000
                                                                                =
*** Sample ID: 24642A1D              Seq:  55     10:25:54 23 Sep 09   HG
                              MS
Hg    6.94    ppb       .000      6.94
                                                                                =
================================================================================
*** Sample ID: 24642A2B              Seq:  56     10:27:51 23 Sep 09   HG

Hg    .329    ppb       .000      .329
                                                                                =
================================================================================
*** Sample ID: 24642A3B              Seq:  57     10:29:49 23 Sep 09   HG

Hg    1.01    ppb       .000      1.01
                                                                                =
================================================================================
*** Sample ID: 24642A4B              Seq:  58     10:31:50 23 Sep 09   HG

Hg    1.77    ppb       .000      1.77
                                                                                =
================================================================================
*** Sample ID: 24642A5B              Seq:  59     10:33:35 23 Sep 09   HG

Hg    .258    ppb       .000      .258
                                                                                =
================================================================================
*** Sample ID: 24642A6B              Seq:  60     10:35:28 23 Sep 09   HG

Hg    2.08    ppb       .000      2.08
                                                                                =
================================================================================
*** Sample ID: 24525E2D              Seq:  61     10:37:13 23 Sep 09   HG

Hg    .005    ppb       .000      .005
                                                                                =
================================================================================
 STL-WESTFIELD                 Folder:   09-23-09                     Page  532
                             Protocol: mercury
                            ***POST-RUN REPORT***
                                     Page 5
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------

*** Sample ID: 24525A8F              Seq:  62     10:40:24 23 Sep 09   HG

Hg    .002    ppb       .000      .002
                                                                                =
================================================================================
*** Sample ID: 24365A6E              Seq:  63     10:42:45 23 Sep 09   HG

Hg    .128    ppb       .000      .128
                                                                                =
*** Check Standard: 4  Ck4CCV       Seq:  64      10:44:38 23 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          105.     5.23    5.00   ppb        .000
                                                                                =
*** Check Standard: 1  Ck1CCB       Seq:  65      10:46:24 23 Sep 09   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.015     .100     ppb        .000
                                                                                =
*** Check Standard: 4  Ck4CCV       Seq:  66      12:57:02 23 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          95.8     4.79    5.00   ppb        .000
                                                                                =
*** Check Standard: 1  Ck1CCB       Seq:  67      12:59:04 23 Sep 09   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.057     .100     ppb        .000
                                                                                =
*** Sample ID: MB                    Seq:  68     13:00:47 23 Sep 09   HG
                            49343
Hg    .134    ppb       .000      .134
                                                                                =
================================================================================
*** Sample ID: LSC                   Seq:  69     13:02:31 23 Sep 09   HG

Hg    5.24    ppb       .000      5.24
                                                                                =
================================================================================
*** Sample ID: LCSD                  Seq:  70     13:04:16 23 Sep 09   HG

Hg    5.31    ppb       .000      5.31
                                                                                =
================================================================================
*** Sample ID: 24715A5B              Seq:  71     13:05:57 23 Sep 09   HG

Hg    .495    ppb       .000      .495
                                                                                =
================================================================================
*** Sample ID: 24715A5C              Seq:  72     13:07:45 23 Sep 09   HG
                            DU
Hg    .338    ppb       .000      .338
                                                                                =
================================================================================
*** Sample ID: 24715A5D              Seq:  73     13:10:17 23 Sep 09   HG
                            MS
Hg    5.63    ppb       .000      5.63
                                                                                =
================================================================================
 STL-WESTFIELD                 Folder:   09-23-09                      Page  533
                             Protocol: mercury
                            ***POST-RUN REPORT***
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------
```

```
*** Sample ID: 24730A1B              Seq:  74     13:12:08 23 Sep 09   HG

Hg    .103    ppb       .000      .103
                                                                                =
================================================================================
*** Sample ID: 24686A3A              Seq:  75     13:14:43 23 Sep 09   HG

Hg   -.127    ppb       .000     -.127
                                                                                =
================================================================================
*** Sample ID: 24686A4A              Seq:  76     13:16:28 23 Sep 09   HG

Hg   -.026    ppb       .000     -.026
                                                                                =
================================================================================
*** Sample ID: 24686A5A              Seq:  77     13:18:12 23 Sep 09   HG

Hg    .085    ppb       .000      .085
                                                                                =
*** Check Standard: 4  Ck4CCV       Seq:  78      13:19:59 23 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          98.1     4.90    5.00   ppb        .000
                                                                                =
*** Check Standard: 1  Ck1CCB       Seq:  79      13:22:25 23 Sep 09   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.086     .100     ppb        .000
                                                                                =
*** Sample ID: 24686A6A              Seq:  80     13:24:08 23 Sep 09   HG

Hg   -.125    ppb       .000     -.125
                                                                                =
================================================================================
*** Sample ID: 24686A7A              Seq:  81     13:26:03 23 Sep 09   HG

Hg   -.028    ppb       .000     -.028
                                                                                =
================================================================================
*** Sample ID: 24686A9A              Seq:  82     13:27:45 23 Sep 09   HG

Hg    .038    ppb       .000      .038
                                                                                =
================================================================================
*** Sample ID: 24686A10B             Seq:  83     13:29:37 23 Sep 09   HG

Hg    .239    ppb       .000      .239
                                                                                =
================================================================================
*** Sample ID: 24686A11B             Seq:  84     13:31:23 23 Sep 09   HG

Hg    .082    ppb       .000      .082
                                                                                =
================================================================================
*** Sample ID: 24686A13A             Seq:  85     13:33:17 23 Sep 09   HG

Hg    .020    ppb       .000      .020
                                                                                =
================================================================================
 STL-WESTFIELD                 Folder:   09-23-09                      Page  534
                              Protocol: mercury
                             ***POST-RUN REPORT***
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------
```

```
*** Sample ID: 24686A14A             Seq:  86     13:34:59 23 Sep 09   HG

Hg    .246    ppb       .000      .246
                                                                                =
================================================================================
*** Sample ID: 24686A15A             Seq:  87     13:36:42 23 Sep 09   HG

Hg    .574    ppb       .000      .574
                                                                                =
================================================================================
*** Sample ID: 24686A16A             Seq:  88     13:38:52 23 Sep 09   HG

Hg    .159    ppb       .000      .159
                                                                                =
*** Check Standard: 4  Ck4CCV       Seq:  89      13:40:35 23 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          102.     5.10    5.00   ppb        .000
                                                                                =
*** Check Standard: 1  Ck1CCB       Seq:  90      13:42:36 23 Sep 09   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg      L  -.142     .100     ppb        .000
                                                                                =
```

MET092809emn@720/725/730/735-ES@Quant@. All Data Report 9/29/2009, 8:48:32 AM

Blank (Blk) **9/28/2009, 10:00:41 AM** **Rack 0, Tube 1**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	0.000000	ug/L	2.921	53.0	5.51361
Al 237.312	0.000000	ug/L	2.586	67.2	3.84479
As 188.980	0.000000	ug/L	0.229	16.4	1.39498
B 249.678	0.000000	ug/L	4.716	21.9	21.5488
Ba 493.408	0.000000	ug/L	5.196	3.8	137.896
Be 313.042	0.000000	ug/L	0.411	1.8	22.6459
Ca 373.690	0.000000	ug/L	2.540	13.6	18.6681
Cd 214.439	0.000000	ug/L	1.371	30.8	4.45039
Co 228.615	0.000000	ug/L	0.481	5.4	8.86267
Cr 267.716	0.000000	ug/L	3.603	20.1	17.9234
Cu 327.395	0.000000	ug/L	7.341	11.5	63.7245
Fe 273.955	0.000000	ug/L	0.869	2.3	37.5460
K 404.721	0.000000	ug/L	4.240	41.8	10.1387
Li 610.365	0.000000	ug/L	3.607	449.4	-0.802734
Mg 279.078	0.000000	ug/L	0.188	2.7	6.99335
Mn 257.610	0.000000	ug/L	2.095	4.2	50.4024
Mo 202.032	0.000000	ug/L	2.151	26.6	8.08748
Na 330.237	0.000000	ug/L	2.577	21.8	11.8013
Ni 216.555	0.000000	ug/L	0.583	14.7	3.96764
Pb 220.353	0.000000	ug/L	1.937	40.2	4.82169
Sb 217.582	0.000000	ug/L	0.288	6.1	4.71187
Se 196.026	0.000000	ug/L	0.151	6.7	2.23861
Si 251.611	0.000000	ug/L	3.563	4.7	75.1411
Si 288.158	0.000000	ug/L	7.519	1.5	493.876
Sn 283.998	0.000000	ug/L	1.466	19.6	7.48535
Sr 421.552	0.000000	ug/L	3.285	13.3	24.6504
Ti 336.122	0.000000	ug/L	48.719	63.7	76.5085
Tl 190.794	0.000000	ug/L	0.358	21.3	1.67809
V 292.401	0.000000	ug/L	1.304	9.1	14.2810
Zn 202.548	0.000000	ug/L	1.037	1.6	65.1251
Zr 339.198	0.000000	ug/L	2.269	45.8	4.95789

Standard 1 (Std) **9/28/2009, 10:03:35 AM** **Rack 0, Tube 2**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	1000.00	ug/L	9.490	0.1	8383.12
Al 237.312	5000.00	ug/L	13.088	0.1	21828.9
As 188.980	1000.00	ug/L	1.420	0.1	1040.12
B 249.678	1000.00	ug/L	449.982	1.6	28325.8
Ba 493.408	1000.00	ug/L	3077.506	0.1	2450499
Be 313.042	1000.00	ug/L	4946.389	0.2	3293756
Ca 373.690	20000.0	ug/L	125.705	0.1	95099.3
Cd 214.439	1000.00	ug/L	74.898	0.2	38270.9
Co 228.615	1000.00	ug/L	8.362	0.1	8631.80
Cr 267.716	1000.00	ug/L	56.803	0.1	46787.3
Cu 327.395	1000.00	ug/L	82.306	0.1	68069.3
Fe 273.955	5000.00	ug/L	103.354	0.1	78581.9
K 404.721	20000.0	ug/L	4.998	1.8	275.795
Li 610.365	5000.00	ug/L	96.321	0.0	365344
Mg 279.078	20000.0	ug/L	118.866	0.1	85880.0
Mn 257.610	1000.00	ug/L	426.363	0.1	295812
Mo 202.032	1000.00	ug/L	38.750	0.4	9018.43
Na 330.237	20000.0	ug/L	5.811	0.2	2711.86

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ni 216.555	1000.00	ug/L	22.754	0.3	8662.73
Pb 220.353	1000.00	ug/L	3.677	0.1	4924.06
Sb 217.582	1000.00	ug/L	3.271	0.2	1972.14
Se 196.026	1000.00	ug/L	0.517	0.1	550.971
Si 251.611	1000.00	ug/L	84.715	1.6	5326.06
Si 288.158	1000.00	ug/L	187.606	1.5	12399.1
Sn 283.998	1000.00	ug/L	0.187	0.0	4484.73
Sr 421.552	1000.00	ug/L	1944.720	0.1	2386625
Ti 336.122	1000.00	ug/L	214.983	0.1	237227
Tl 190.794	1000.00	ug/L	0.199	0.0	804.558
V 292.401	1000.00	ug/L	36.960	0.1	37416.0
Zn 202.548	1000.00	ug/L	34.134	0.1	23731.6
Zr 339.198	1000.00	ug/L	298.272	0.5	55579.5

Standard 2 (Std) **9/28/2009, 10:06:28 AM** **Rack 0, Tube 3**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	25000.0	ug/L	115.988	0.1	101980
Ca 373.690	100000	ug/L	862.648	0.2	444002
Fe 273.955	25000.0	ug/L	542.992	0.2	349521
K 404.721	100000	ug/L	8.475	0.5	1772.04
Mg 279.078	100000	ug/L	718.465	0.2	402490
Na 330.237	100000	ug/L	31.227	0.2	15572.2

RB (ICV) **9/28/2009, 10:09:21 AM** **Rack 0, Tube 4**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.369150	ug/L	0.249236	67.5	8.60620	-
Al 237.312	0.432480	ug/L	0.467820	108.2	5.76349	-
As 188.980	4.08266	ug/L	1.59692	39.1	5.63576	-
B 249.678	8.88986	ug/L	0.805540	9.1	273.170	-
Ba 493.408	0.166072	ug/L	0.072238	43.5	544.832	-
Be 313.042	0.147955	ug/L	0.072784	49.2	509.971	-
Ca 373.690	2.22790	ug/L	1.04918	47.1	29.4346	-
Cd 214.439	0.142075	ug/L	0.133077	93.7	9.88708	-
Co 228.615	0.217226	ug/L	0.114729	52.8	10.7358	-
Cr 267.716	0.171927	ug/L	0.081844	47.6	25.9644	-
Cu 327.395	0.193011	ug/L	0.239032	123.8	76.8503	-
Fe 273.955	2.76681	ug/L	1.11646	40.4	82.2051	-
K 404.721	304.924	ug/L	115.533	37.9	13.8638	-
Li 610.365	-0.199659uv	ug/L	0.051959	26.0	-15.3916	-
Mg 279.078	3.49556	ug/L	0.439181	12.6	22.2369	-
Mn 257.610	0.083963	ug/L	0.064811	77.2	75.2355	-
Mo 202.032	2.32046	ug/L	0.871260	37.5	28.9956	-
Na 330.237	-14.3804uv	ug/L	36.8325	256.1	9.93396	-
Ni 216.555	0.205031	ug/L	0.014290	7.0	5.74295	-
Pb 220.353	0.053594	ug/L	0.072538	135.3	5.08533	-
Sb 217.582	-0.652776uv	ug/L	1.07351	164.5	3.42758	-
Se 196.026	7.86599	ug/L	1.11731	14.2	6.55493	-
Si 251.611	-3.18566uv	ug/L	1.16997	36.7	58.4134	-
Si 288.158	-1.89612uv	ug/L	1.48433	78.3	471.303	-
Sn 283.998	0.662762	ug/L	0.103393	15.6	10.4527	-
Sr 421.552	0.161210	ug/L	0.078722	48.8	499.394	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 336.122	-0.079219uv	ug/L	0.043301	54.7	57.7218	-
Tl 190.794	2.59956	ug/L	0.006840	0.3	3.76522	-
V 292.401	0.375909	ug/L	0.123259	32.8	28.3406	-
Zn 202.548	-0.650894uv	ug/L	0.084738	13.0	49.7207	-
Zr 339.198	0.277530	ug/L	0.070060	25.2	20.3815	-

IPC (ICV) **9/28/2009, 10:12:14 AM** **Rack 0, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	997.169	ug/L	1.31331	0.1	8359.40	99.71690
Al 237.312	4986.28	ug/L	12.8892	0.3	21770.0	99.72565
As 188.980	1000.30	ug/L	1.60916	0.2	1040.44	100.03030
B 249.678	1003.98	ug/L	14.2600	1.4	28438.5	100.39810
Ba 493.408	997.908	ug/L	1.96077	0.2	2445374	99.79083
Be 313.042	997.765	ug/L	1.30571	0.1	3286393	99.77647
Ca 373.690	19898.9	ug/L	32.8045	0.2	94626.5	99.49449
Cd 214.439	995.993	ug/L	2.02624	0.2	38117.6	99.59927
Co 228.615	995.672	ug/L	1.20002	0.1	8594.48	99.56721
Cr 267.716	996.532	ug/L	2.19598	0.2	46625.1	99.65325
Cu 327.395	990.054	ug/L	6.87832	0.7	67392.9	99.00539
Fe 273.955	4981.74	ug/L	11.3948	0.2	78302.9	99.63479
K 404.721	20064.1	ug/L	169.297	0.8	276.716	100.32020
Li 610.365	4977.57	ug/L	7.29894	0.1	363705	99.55145
Mg 279.078	19941.9	ug/L	47.2256	0.2	85634.4	99.70940
Mn 257.610	996.138	ug/L	2.18265	0.2	294670	99.61377
Mo 202.032	1000.49	ug/L	5.23589	0.5	9022.87	100.04940
Na 330.237	19916.6	ug/L	46.8997	0.2	2700.18	99.58318
Ni 216.555	992.925	ug/L	2.31704	0.2	8601.47	99.29246
Pb 220.353	997.505	ug/L	2.33090	0.2	4911.78	99.75047
Sb 217.582	1000.46	ug/L	3.11599	0.3	1973.05	100.04640
Se 196.026	1005.64	ug/L	11.3338	1.1	554.065	100.56390
Si 251.611	993.330	ug/L	15.7671	1.6	5291.04	99.33305
Si 288.158	994.731	ug/L	16.6916	1.7	12336.4	99.47311
Sn 283.998	996.941	ug/L	1.88412	0.2	4471.03	99.69413
Sr 421.552	997.619	ug/L	2.20086	0.2	2380942	99.76186
Ti 336.122	996.919	ug/L	5.25816	0.5	236496	99.69187
Tl 190.794	994.695	ug/L	4.40820	0.4	800.299	99.46946
V 292.401	996.545	ug/L	2.08679	0.2	37286.8	99.65453
Zn 202.548	995.318	ug/L	2.88017	0.3	23620.8	99.53178
Zr 339.198	1018.15	ug/L	1.69366	0.2	56588.1	101.81500

ICV (ICV) **9/28/2009, 10:15:08 AM** **Rack 0, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	1004.70	ug/L	0.453767	0.0	8422.46	100.46970
Al 237.312	1004.86	ug/L	1.51507	0.2	4447.48	100.48580
As 188.980	995.133	ug/L	1.49885	0.2	1035.07	99.51328
B 249.678	1006.65	ug/L	6.25140	0.6	28513.9	100.66450
Ba 493.408	1006.30	ug/L	1.51753	0.2	2465943	100.63030
Be 313.042	1008.67	ug/L	1.87868	0.2	3322329	100.86750
Ca 373.690	10077.3	ug/L	13.3087	0.1	48319.3	100.77330

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cd 214.439	1010.09	ug/L	1.57610	0.2	38656.8	101.00850
Co 228.615	1011.96	ug/L	1.02609	0.1	8734.93	101.19600
Cr 267.716	997.402	ug/L	1.56406	0.2	46665.7	99.74017
Cu 327.395	990.156	ug/L	4.89459	0.5	67399.9	99.01556
Fe 273.955	975.754	ug/L	1.88032	0.2	15705.1	97.57539
K 404.721	9371.12	ug/L	405.892	4.3	129.219	93.71118
Li 610.365	10086.2	ug/L	12.6899	0.1	736988	100.86210
Mg 279.078	9966.96	ug/L	20.0538	0.2	43137.7	99.66961
Mn 257.610	1007.92	ug/L	1.51676	0.2	298153	100.79150
Mo 202.032	999.421	ug/L	4.18295	0.4	9013.21	99.94210
Na 330.237	9283.83	ug/L	35.3374	0.4	1239.53	92.83827
Ni 216.555	1012.62	ug/L	3.92146	0.4	8772.03	101.26230
Pb 220.353	1013.71	ug/L	0.768262	0.1	4991.49	101.37080
Sb 217.582	973.353	ug/L	4.66201	0.5	1919.71	97.33529
Se 196.026	1013.96	ug/L	0.337326	0.0	558.632	101.39620
Si 251.611	610.710	ug/L	43.0951	7.1	3281.94	122.14210Q
Si 288.158	610.747	ug/L	41.9146	6.9	7764.95	122.14940Q
Sn 283.998	1002.30	ug/L	1.11936	0.1	4495.01	100.22960
Sr 421.552	1000.44	ug/L	1.40144	0.1	2387666	100.04360
Ti 336.122	983.880	ug/L	0.591788	0.1	233404	98.38802
Tl 190.794	1006.98	ug/L	2.85795	0.3	810.160	100.69770
V 292.401	1007.47	ug/L	1.53363	0.2	37695.5	100.74740
Zn 202.548	1012.24	ug/L	0.957469	0.1	24021.3	101.22420
Zr 339.198	1037.63	ug/L	3.52742	0.3	57670.5	103.76260

ICB (ICB) **9/28/2009, 10:18:01 AM** **Rack 0, Tube 7**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.126899uv	ug/L	0.418426	329.7	6.57672	0.12690
Al 237.312	0.482434	ug/L	0.526908	109.2	5.98511	0.48243
As 188.980	1.99906	ug/L	0.706457	35.3	3.47146	1.99906
B 249.678	34.6820	ug/L	4.77769	13.8	1003.20	34.68205
Ba 493.408	0.043704	ug/L	0.033971	77.7	244.987	0.04370
Be 313.042	0.048363	ug/L	0.028162	58.2	181.939	0.04836
Ca 373.690	-0.116410uv	ug/L	0.420869	361.5	18.1055	-0.11641
Cd 214.439	0.018722uv	ug/L	0.077383	413.3	5.16681	0.01872
Co 228.615	0.132044	ug/L	0.029995	22.7	10.0013	0.13204
Cr 267.716	0.047146	ug/L	0.030906	65.6	20.1284	0.04715
Cu 327.395	-0.026539uv	ug/L	0.028949	109.1	61.9197	-0.02654
Fe 273.955	0.307516	ug/L	0.161353	52.5	42.5097	0.30752
K 404.721	203.533	ug/L	22.2911	11.0	12.6238	203.53270
Li 610.365	-0.229917uv	ug/L	0.078269	34.0	-17.6025	-0.22992
Mg 279.078	0.837081	ug/L	0.701463	83.8	10.6437	0.83708
Mn 257.610	-0.027156uv	ug/L	0.035969	132.5	42.3706	-0.02716
Mo 202.032	12.1837	ug/L	2.10560	17.3	117.867	12.18369
Na 330.237	-21.1920uv	ug/L	1.87853	8.9	9.04944	-21.19199
Ni 216.555	-0.099388uv	ug/L	0.137304	138.1	3.10706	-0.09939
Pb 220.353	0.249011uv	ug/L	0.467025	187.6	6.04663	0.24901
Sb 217.582	3.62054	ug/L	1.22264	33.8	11.8350	3.62054
Se 196.026	1.93418	ug/L	0.130236	6.7	3.29996	1.93418
Si 251.611	-3.33770uv	ug/L	1.94930	58.4	57.6151	-3.33770
Si 288.158	-2.12476uv	ug/L	1.85657	87.4	468.581	-2.12476
Sn 283.998	0.335505uv	ug/L	0.636111	189.6	8.98749	0.33550

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sr 421.552	0.048257	ug/L	0.028683	59.4	139.822	0.04826
Ti 336.122	0.264848	ug/L	0.223981	84.6	139.317	0.26485
Tl 190.794	1.17501	ug/L	0.303068	25.8	2.62148	1.17501
V 292.401	0.002143uv	ug/L	0.047128	2199.5	14.3611	0.00214
Zn 202.548	-0.810422uv	ug/L	0.100057	12.3	45.9452	-0.81042
Zr 339.198	0.242779	ug/L	0.130249	53.6	18.4502	0.24278

CRI-RL (CRI) **9/28/2009, 10:20:55 AM** **Rack 0, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	2.77126	ug/L	0.185098	6.7	28.7302	55.42528R
Al 237.312	104.762	ug/L	0.718938	0.7	468.468	104.76230
As 188.980	10.3959	ug/L	0.635398	6.1	12.1934	103.95850
B 249.678	24.8915	ug/L	0.828428	3.3	726.083	248.91470R
Ba 493.408	11.2309	ug/L	0.033551	0.3	27657.7	112.30930
Be 313.042	1.01095	ug/L	0.005918	0.6	3352.45	101.09500
Ca 373.690	417.543	ug/L	1.80605	0.4	2035.80	104.38580
Cd 214.439	1.00162	ug/L	0.024494	2.4	42.7787	100.16170
Co 228.615	10.6303	ug/L	0.167342	1.6	100.527	106.30330
Cr 267.716	5.31996	ug/L	0.084784	1.6	266.735	106.39930
Cu 327.395	10.7439	ug/L	0.005932	0.1	794.368	107.43870
Fe 273.955	103.727	ug/L	0.331753	0.3	1710.90	103.72690
K 404.721	3924.62	ug/L	255.664	6.5	58.8508	98.11545
Li 610.365	81.4475	ug/L	0.254424	0.3	5950.48	-R
Mg 279.078	426.197	ug/L	0.093503	0.0	1864.97	106.54930
Mn 257.610	10.7611	ug/L	0.000750	0.0	3233.12	107.61100
Mo 202.032	13.0961	ug/L	1.21827	9.3	126.088	130.96080R
Na 330.237	1878.04	ug/L	41.9272	2.2	256.577	93.90173
Ni 216.555	10.6029	ug/L	0.052221	0.5	95.7759	106.02930
Pb 220.353	5.85691	ug/L	0.409270	7.0	33.6332	117.13830
Sb 217.582	10.0906	ug/L	0.299982	3.0	24.5644	100.90650
Se 196.026	10.6821	ug/L	1.67932	15.7	8.10025	106.82150
Si 251.611	92.9400	ug/L	1.75314	1.9	563.162	92.93996
Si 288.158	96.2566	ug/L	2.38242	2.5	1639.83	96.25664
Sn 283.998	31.5973	ug/L	1.50540	4.8	148.954	63.19469R
Sr 421.552	22.2574	ug/L	0.061145	0.3	53144.2	111.28710
Ti 336.122	10.4341	ug/L	0.032380	0.3	2550.95	104.34060
Tl 190.794	11.8456	ug/L	3.37912	28.5	11.1887	118.45560
V 292.401	10.3841	ug/L	0.037857	0.4	402.665	103.84150
Zn 202.548	51.5542	ug/L	0.215541	0.4	1285.23	103.10850
Zr 339.198	10.0251	ug/L	0.039857	0.4	562.099	-R

CRI2-MCP (CRI) **9/28/2009, 10:23:50 AM** **Rack 0, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	6.81969	ug/L	0.365478	5.4	62.6462	97.42410
Al 237.312	0.341735	ug/L	0.137262	40.2	5.36090	-
As 188.980	50.4706	ug/L	0.918442	1.8	53.8202	100.94120
B 249.678	9.40891	ug/L	0.446175	4.7	287.861	-
Ba 493.408	2139.90	ug/L	3.18819	0.1	5243667	106.99500
Be 313.042	4.14339	ug/L	0.003266	0.1	13669.9	103.58480

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ca 373.690	10.2288	ug/L	0.061087	0.6	68.0994	-
Cd 214.439	5.17616	ug/L	0.010841	0.2	202.524	103.52320
Co 228.615	-0.018219uv	ug/L	0.185037	1015.6	8.70557	-
Cr 267.716	107.017	ug/L	0.036383	0.0	5023.02	107.01670
Cu 327.395	0.160570	ug/L	0.018275	11.4	74.6442	-
Fe 273.955	-0.827979uv	ug/L	0.004631	0.6	24.1814	-
K 404.721	-93.7639uv	ug/L	461.996	492.7	8.99634	-
Li 610.365	-0.088797uv	ug/L	0.072390	81.5	-7.29102	-
Mg 279.078	0.375698	ug/L	0.034362	9.1	8.63171	-
Mn 257.610	-0.000023uv	ug/L	0.000410	1750.6	50.3955	-
Mo 202.032	1.61860	ug/L	0.433121	26.8	22.6716	-
Na 330.237	24.2582	ug/L	8.47581	34.9	14.9514	-
Ni 216.555	109.584	ug/L	0.377177	0.3	952.830	109.58410
Pb 220.353	16.2109	ug/L	0.429124	2.6	84.5671	108.07290
Sb 217.582	5.94982	ug/L	0.417649	7.0	16.4177	99.16373
Se 196.026	48.6687	ug/L	1.03286	2.1	28.9447	97.33733
Si 251.611	-3.97875uv	ug/L	1.72670	43.4	54.2490	-
Si 288.158	-3.11642uv	ug/L	1.59213	51.1	456.775	-
Sn 283.998	47.6473	ug/L	1.14891	2.4	220.814	-
Sr 421.552	0.010987	ug/L	0.001208	11.0	50.8716	-
Ti 336.122	-0.129871uv	ug/L	0.075488	58.1	45.7095	-
Tl 190.794	2.39571	ug/L	0.578855	24.2	3.60156	119.78530
V 292.401	51.7313	ug/L	0.095806	0.2	1949.12	103.46250
Zn 202.548	947.731	ug/L	0.316998	0.0	22494.6	105.30340
Zr 339.198	0.064354	ug/L	0.008601	13.4	8.53430	-

Interf Check A (ICSA) **9/28/2009, 10:26:44 AM** **Rack 0, Tube 10**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.335607	ug/L	0.457053	136.2	8.32520	0.33561
Al 237.312	115499	ug/L	466.602	0.4	4387765	499.29688K
As 188.980	0.412499	ug/L	0.567729	137.6	1.82346	0.41250
B 249.678	6.76933	ug/L	0.328827	4.9	213.150	6.76933
Ba 493.408	0.542925	ug/L	0.070304	12.9	1468.26	0.54293
Be 313.042	0.007970	ug/L	0.000110	1.4	48.8979	0.00797
Ca 373.690	105988	ug/L	201.017	0.2	4682375	988.29688K
Cd 214.439	0.649722	ug/L	0.077400	11.9	29.3130	0.64972
Co 228.615	1.52497	ug/L	0.147354	9.7	22.0124	1.52497
Cr 267.716	0.356719	ug/L	0.014669	4.1	34.6069	0.35672
Cu 327.395	0.557620	ug/L	0.023390	4.2	101.646	0.55762
Fe 273.955	44700.8	ug/L	126.981	0.3	5823334	700.82031K
K 404.721	1776.12	ug/L	543.536	30.6	31.9841	1776.11804
Li 610.365	0.934143	ug/L	0.013325	1.4	67.4541	0.93414
Mg 279.078	111467	ug/L	352.962	0.3	4447891	466.89844K
Mn 257.610	3.25995	ug/L	0.004650	0.1	1014.57	3.25995
Mo 202.032	0.510807	ug/L	0.458705	89.8	12.6900	0.51081
Na 330.237	81.6948	ug/L	2.48661	3.0	22.4112	81.69477
Ni 216.555	5.31132	ug/L	0.046788	0.9	49.9571	5.31132
Pb 220.353	-1.18214uv	ug/L	0.006808	0.6	-0.993530	-1.18214
Sb 217.582	-0.596469uv	ug/L	0.235488	39.5	3.53836	-0.59647
Se 196.026	-1.41263uv	ug/L	0.020174	1.4	1.46345	-1.41263
Si 251.611	-7.07596uv	ug/L	1.32313	18.7	37.9857	-7.07596
Si 288.158	-5.60582uv	ug/L	0.752744	13.4	427.138	-5.60582

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sn 283.998	2.59979	ug/L	1.83027	70.4	19.1252	2.59979
Sr 421.552	0.595840	ug/L	0.002377	0.4	1446.68	0.59584
Ti 336.122	1.50929	ug/L	0.019691	1.3	434.439	1.50929
Tl 190.794	1.70363	ug/L	0.879772	51.6	3.04590	1.70363
V 292.401	2.04383	ug/L	0.138313	6.8	90.7236	2.04383
Zn 202.548	-1.01169uv	ug/L	2.44430	241.6	41.1818	-1.01169
Zr 339.198	0.590189	ug/L	0.035214	6.0	37.7573	0.59019

Interf Check AB (ICSAB) **9/28/2009, 10:29:39 AM** **Rack 0, Tube 11**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	613.580	ug/L	0.592521	0.1	5145.85	102.26330
Al 237.312	114152	ug/L	180.152	0.2	433763	114.15210
As 188.980	1993.70	ug/L	2.90611	0.1	2072.30	99.68488
B 249.678	4.49207	ug/L	0.869106	19.3	148.693	-
Ba 493.408	591.265	ug/L	0.265597	0.0	1448951	98.54419
Be 313.042	191.274	ug/L	0.260601	0.1	630027	95.63683
Ca 373.690	107384	ug/L	77.9806	0.1	473886	107.38420
Cd 214.439	577.328	ug/L	0.466369	0.1	22096.8	96.22141
Co 228.615	579.285	ug/L	0.331197	0.1	5004.00	96.54743
Cr 267.716	574.481	ug/L	0.742367	0.1	26886.0	95.74679
Cu 327.395	598.551	ug/L	4.27311	0.7	40768.5	99.75849
Fe 273.955	44095.7	ug/L	35.7255	0.1	575182	110.23930
K 404.721	43081.1	ug/L	142.477	0.3	636.276	107.70290
Li 610.365	0.863523	ug/L	0.231782	26.8	62.2939	-
Mg 279.078	108747	ug/L	56.7287	0.1	434754	108.74650
Mn 257.610	386.641	ug/L	0.342030	0.1	114404	96.66020
Mo 202.032	0.467933	ug/L	0.031038	6.6	12.3037	-
Na 330.237	-14.7408uv	ug/L	51.5159	349.5	9.88721	-
Ni 216.555	580.565	ug/L	1.09855	0.2	5030.94	96.76083
Pb 220.353	1891.33	ug/L	0.136121	0.0	9308.72	94.56651
Sb 217.582	945.658	ug/L	3.21150	0.3	1865.22	94.56576
Se 196.026	982.183	ug/L	2.52895	0.3	541.194	98.21831
Si 251.611	-7.76116uv	ug/L	1.44789	18.7	34.3878	-
Si 288.158	-4.30344uv	ug/L	0.613915	14.3	442.643	-
Sn 283.998	251.778	ug/L	0.641420	0.3	1134.76	-
Sr 421.552	0.624932	ug/L	0.001938	0.3	1516.11	-
Ti 336.122	1.48783	ug/L	0.039608	2.7	429.349	-
Tl 190.794	1895.82	ug/L	6.75342	0.4	1523.80	94.79118
V 292.401	590.720	ug/L	1.14012	0.2	22108.2	98.45337
Zn 202.548	559.102	ug/L	3.08172	0.6	13297.1	93.18369
Zr 339.198	0.952001	ug/L	0.108775	11.4	57.8649	-

RB (ICSAB) **9/28/2009, 10:32:33 AM** **Rack 4, Tube 1**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.380828uv	ug/L	0.165646	43.5	2.32318	-
Al 237.312	1.19035	ug/L	0.188510	15.8	9.12579	-
As 188.980	2.59082	ug/L	0.106101	4.1	4.08614	-
B 249.678	3.07652	ug/L	0.061178	2.0	108.627	-
Ba 493.408	-0.005953uv	ug/L	0.001729	29.0	123.309	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Be 313.042	0.007296	ug/L	0.001406	19.3	46.6785	-
Ca 373.690	0.322468uv	ug/L	1.25566	389.4	20.2264	-
Cd 214.439	0.010838	ug/L	0.000736	6.8	4.86513	-
Co 228.615	0.088320uv	ug/L	0.140620	159.2	9.62425	-
Cr 267.716	-0.035286uv	ug/L	0.051508	146.0	16.2731	-
Cu 327.395	-0.040817uv	ug/L	0.088960	218.0	60.9487	-
Fe 273.955	4.73647	ug/L	1.36373	28.8	113.997	-
K 404.721	-117.259uv	ug/L	259.854	221.6	8.70837	-
Li 610.365	-0.173624uv	ug/L	0.043680	25.2	-13.4893	-
Mg 279.078	1.54376	ug/L	0.274814	17.8	13.7255	-
Mn 257.610	-0.060274uv	ug/L	0.004448	7.4	32.5757	-
Mo 202.032	0.153875	ug/L	0.180345	117.2	9.47395	-
Na 330.237	-37.5539uv	ug/L	22.1913	59.1	6.92481	-
Ni 216.555	0.152959	ug/L	0.182061	119.0	5.29207	-
Pb 220.353	0.221132	ug/L	0.259587	117.4	5.90948	-
Sb 217.582	1.11600uv	ug/L	2.03894	182.7	6.90752	-
Se 196.026	1.62022uv	ug/L	3.21713	198.6	3.12768	-
Si 251.611	-4.00056uv	ug/L	1.43005	35.7	54.1344	-
Si 288.158	-2.81354uv	ug/L	1.43381	51.0	460.380	-
Sn 283.998	0.483593	ug/L	0.191672	39.6	9.65051	-
Sr 421.552	-0.002221uv	ug/L	0.001903	85.7	19.3498	-
Ti 336.122	-0.173881uv	ug/L	0.008123	4.7	35.2726	-
Tl 190.794	3.51124	ug/L	0.663726	18.9	4.49720	-
V 292.401	-0.059131uv	ug/L	0.059586	100.8	12.0694	-
Zn 202.548	-0.872814uv	ug/L	0.030291	3.5	44.4686	-
Zr 339.198	-0.025414uv	ug/L	0.010847	42.7	3.54553	-

CCV (CCV) **9/28/2009, 10:35:28 AM** **Rack 4, Tube 2**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	995.382	ug/L	1.03757	0.1	8344.43	99.53816
Al 237.312	4982.18	ug/L	5.17590	0.1	21752.4	99.64352
As 188.980	997.413	ug/L	2.63762	0.3	1037.44	99.74127
B 249.678	998.266	ug/L	16.9925	1.7	28276.7	99.82658
Ba 493.408	995.272	ug/L	0.663301	0.1	2438914	99.52720
Be 313.042	993.645	ug/L	0.071729	0.0	3272823	99.36446
Ca 373.690	19822.0	ug/L	4.28407	0.0	94266.8	99.10989
Cd 214.439	990.652	ug/L	2.63180	0.3	37913.2	99.06519
Co 228.615	992.525	ug/L	1.66993	0.2	8567.34	99.25248
Cr 267.716	992.205	ug/L	0.680737	0.1	46422.7	99.22048
Cu 327.395	991.257	ug/L	2.31838	0.2	67474.8	99.12573
Fe 273.955	4958.40	ug/L	6.65744	0.1	77946.2	99.16792
K 404.721	19889.9	ug/L	79.3714	0.4	274.215	99.44973
Li 610.365	4955.52	ug/L	0.314193	0.0	362094	99.11035
Mg 279.078	19853.9	ug/L	39.6159	0.2	85262.6	99.26959
Mn 257.610	993.037	ug/L	1.13869	0.1	293753	99.30374
Mo 202.032	995.517	ug/L	6.27890	0.6	8978.03	99.55168
Na 330.237	19875.0	ug/L	18.1003	0.1	2694.34	99.37495
Ni 216.555	990.790	ug/L	9.66303	1.0	8582.98	99.07902
Pb 220.353	993.079	ug/L	1.09454	0.1	4890.01	99.30788
Sb 217.582	1001.35	ug/L	2.29892	0.2	1974.79	100.13480
Se 196.026	1003.25	ug/L	9.00745	0.9	552.753	100.32480
Si 251.611	983.691	ug/L	13.8422	1.4	5240.42	98.36906

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Si 288.158	986.732	ug/L	12.4151	1.3	12241.1	98.67316
Sn 283.998	994.740	ug/L	1.15919	0.1	4461.18	99.47400
Sr 421.552	995.993	ug/L	0.434432	0.0	2377063	99.59933
Ti 336.122	993.899	ug/L	1.68965	0.2	235780	99.38991
Tl 190.794	996.555	ug/L	5.31927	0.5	801.792	99.65546
V 292.401	993.196	ug/L	0.532618	0.1	37161.5	99.31962
Zn 202.548	988.940	ug/L	3.92249	0.4	23469.9	98.89403
Zr 339.198	991.676	ug/L	2.14273	0.2	55116.8	99.16758

CCB (CCB) **9/28/2009, 10:38:21 AM** **Rack 4, Tube 3**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.266154uv	ug/L	0.200409	75.3	3.28387	-0.26615
Al 237.312	0.402268	ug/L	0.308086	76.6	5.62946	0.40227
As 188.980	2.41306	ug/L	0.124326	5.2	3.90150	2.41306
B 249.678	25.3230	ug/L	4.37969	17.3	738.297	25.32298
Ba 493.408	-0.005551uv	ug/L	0.010506	189.3	124.295	-0.00555
Be 313.042	0.012057	ug/L	0.001113	9.2	62.3591	0.01206
Ca 373.690	0.663817	ug/L	0.672108	101.2	21.8760	0.66382
Cd 214.439	-0.019835uv	ug/L	0.033275	167.8	3.69137	-0.01984
Co 228.615	0.015608uv	ug/L	0.424890	2722.3	8.99725	0.01561
Cr 267.716	-0.003818uv	ug/L	0.040551	1062.1	17.7449	-0.00382
Cu 327.395	0.009749uv	ug/L	0.023923	245.4	64.3875	0.00975
Fe 273.955	1.39739	ug/L	0.352464	25.2	60.1014	1.39739
K 404.721	19.9644uv	ug/L	578.877	2899.6	10.3872	19.96436
Li 610.365	-0.043142uv	ug/L	0.127770	296.2	-3.95508	-0.04314
Mg 279.078	0.639974	ug/L	0.087092	13.6	9.78418	0.63997
Mn 257.610	-0.037633uv	ug/L	0.000338	0.9	39.2721	-0.03763
Mo 202.032	10.4243	ug/L	1.78305	17.1	102.014	10.42433
Na 330.237	-7.56289uv	ug/L	18.5393	245.1	10.8192	-7.56289
Ni 216.555	-0.001794uv	ug/L	0.119672	6670.8	3.95210	-0.00179
Pb 220.353	0.320807	ug/L	0.387758	120.9	6.39981	0.32081
Sb 217.582	-0.466274uv	ug/L	0.043994	9.4	3.79451	-0.46627
Se 196.026	1.71818	ug/L	0.571636	33.3	3.18144	1.71818
Si 251.611	-3.58492uv	ug/L	0.968037	27.0	56.3169	-3.58492
Si 288.158	-2.63334uv	ug/L	1.09619	41.6	462.526	-2.63334
Sn 283.998	0.603598	ug/L	0.024465	4.1	10.1878	0.60360
Sr 421.552	0.012344	ug/L	0.000677	5.5	54.1096	0.01234
Ti 336.122	0.165455	ug/L	0.158822	96.0	115.746	0.16546
Tl 190.794	2.83273	ug/L	0.436567	15.4	3.95243	2.83273
V 292.401	-0.063201uv	ug/L	0.029930	47.4	11.9172	-0.06320
Zn 202.548	-0.703541uv	ug/L	0.012741	1.8	48.4747	-0.70354
Zr 339.198	0.633596	ug/L	0.224927	35.5	40.1697	0.63360

ICB RR (Samp) **9/28/2009, 10:41:15 AM** **Rack 1, Tube 1**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.302742uv	ug/L	0.146894	48.5	2.97736
Al 237.312	0.983853	ug/L	0.227422	23.1	8.20966
As 188.980	0.579516	ug/L	0.052342	9.0	1.99694
B 249.678	10.1166	ug/L	0.797511	7.9	307.892

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ba 493.408	-0.014794uv	ug/L	0.001410	9.5	101.646
Be 313.042	0.006222	ug/L	0.004647	74.7	43.1379
Ca 373.690	0.161221	ug/L	0.008734	5.4	19.4472
Cd 214.439	-0.080850uv	ug/L	0.037689	46.6	1.35657
Co 228.615	-0.018387uv	ug/L	0.028361	154.2	8.70412
Cr 267.716	0.055815	ug/L	0.052667	94.4	20.5339
Cu 327.395	-0.025191uv	ug/L	0.035699	141.7	62.0113
Fe 273.955	0.548682	ug/L	0.378927	69.1	46.4024
K 404.721	133.549uv	ug/L	366.017	274.1	11.7720
Li 610.365	-0.151719uv	ug/L	0.062713	41.3	-11.8887
Mg 279.078	3.03039	ug/L	0.881073	29.1	20.2084
Mn 257.610	-0.073310uv	ug/L	0.008289	11.3	28.7200
Mo 202.032	2.35987	ug/L	0.770300	32.6	29.3507
Na 330.237	-39.0702uv	ug/L	8.72258	22.3	6.72790
Ni 216.555	0.267631	ug/L	0.246240	92.0	6.28499
Pb 220.353	0.273442	ug/L	0.374361	136.9	6.16681
Sb 217.582	-0.344339uv	ug/L	1.00314	291.3	4.03441
Se 196.026	-1.16323uv	ug/L	3.46912	298.2	1.60031
Si 251.611	-3.31432uv	ug/L	1.54463	46.6	57.7378
Si 288.158	-1.82706uv	ug/L	1.36893	74.9	472.125
Sn 283.998	1.16304	ug/L	0.448102	38.5	12.6926
Sr 421.552	0.000521uv	ug/L	0.004348	834.8	25.8936
Ti 336.122	-0.064152uv	ug/L	0.089058	138.8	61.2948
Tl 190.794	1.61581	ug/L	1.16361	72.0	2.97539
V 292.401	-0.060482uv	ug/L	0.026025	43.0	12.0189
Zn 202.548	-0.835486uv	ug/L	0.041136	4.9	45.3521
Zr 339.198	0.261064	ug/L	0.058600	22.4	19.4664

ICVNa K Mg Ca 75ppm (Samp) 9/28/2009, 10:44:10 AM Rack 1, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.200986uv	ug/L	0.337247	167.8	7.19739
Al 237.312	4.44676	ug/L	1.18938	26.7	23.5726
As 188.980	1.24373	ug/L	0.247249	19.9	2.68688
B 249.678	6.03408	ug/L	0.346557	5.7	192.339
Ba 493.408	0.239318	ug/L	0.001285	0.5	724.313
Be 313.042	0.045078	ug/L	0.001623	3.6	171.122
Ca 373.690	76375.3	ug/L	120.484	0.2	346199
Cd 214.439	-0.044098uv	ug/L	0.002209	5.0	2.76291
Co 228.615	0.766003	ug/L	0.115677	15.1	15.4679
Cr 267.716	0.269174	ug/L	0.023208	8.6	30.5125
Cu 327.395	0.448663	ug/L	0.078669	17.5	94.2361
Fe 273.955	3.13662	ug/L	0.432324	13.8	88.1742
K 404.721	76665.1	ug/L	132.384	0.2	1263.94
Li 610.365	0.727200	ug/L	0.029051	4.0	52.3330
Mg 279.078	77283.7	ug/L	120.567	0.2	316960
Mn 257.610	3.73473	ug/L	0.013211	0.4	1154.99
Mo 202.032	1.02234	ug/L	0.333095	32.6	17.2992
Na 330.237	77117.7	ug/L	84.1789	0.1	11557.2
Ni 216.555	0.472071	ug/L	0.018933	4.0	8.05519
Pb 220.353	0.613853uv	ug/L	1.06755	173.9	7.84137
Sb 217.582	1.42980	ug/L	0.231551	16.2	7.52489
Se 196.026	-1.86496uv	ug/L	1.01717	54.5	1.21525

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Si 251.611	-0.005890uv	ug/L	1.17882	20012.9	75.1101
Si 288.158	-0.564759uv	ug/L	0.760894	134.7	487.153
Sn 283.998	1.36721	ug/L	0.295277	21.6	13.6067
Sr 421.552	0.496222	ug/L	0.003942	0.8	1208.94
Ti 336.122	1.34501	ug/L	0.025536	1.9	395.478
Tl 190.794	0.817194	ug/L	0.110465	13.5	2.33420
V 292.401	1.61477	ug/L	0.062323	3.9	74.6761
Zn 202.548	-0.478119uv	ug/L	0.172159	36.0	53.8097
Zr 339.198	0.482524	ug/L	0.018483	3.8	31.7739

ICV Sb 1ppm (Samp) **9/28/2009, 10:47:03 AM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.402692	ug/L	0.226940	56.4	8.88721
Al 237.312	0.829907	ug/L	0.825502	99.5	7.52667
As 188.980	0.657894	ug/L	0.869606	132.2	2.07835
B 249.678	3.55230	ug/L	0.534257	15.0	122.094
Ba 493.408	-0.004531uv	ug/L	0.002571	56.8	126.795
Be 313.042	0.005276	ug/L	0.000275	5.2	40.0225
Ca 373.690	3.24350	ug/L	1.21405	37.4	34.3425
Cd 214.439	-0.039687uv	ug/L	0.015654	39.4	2.93171
Co 228.615	0.111525	ug/L	0.150537	135.0	9.82434
Cr 267.716	-0.004790uv	ug/L	0.014058	293.5	17.6994
Cu 327.395	-0.120421uv	ug/L	0.092808	77.1	55.5352
Fe 273.955	-0.994368uv	ug/L	0.137310	13.8	21.4957
K 404.721	387.976	ug/L	313.483	80.8	14.8823
Li 610.365	0.043129	ug/L	0.009885	22.9	2.34863
Mg 279.078	4.55458	ug/L	0.889864	19.5	26.8552
Mn 257.610	-0.063492uv	ug/L	0.003435	5.4	31.6239
Mo 202.032	0.538901	ug/L	0.569466	105.7	12.9432
Na 330.237	-38.2317uv	ug/L	12.8306	33.6	6.83679
Ni 216.555	-0.072932uv	ug/L	0.080186	109.9	3.33614
Pb 220.353	0.561363	ug/L	0.180653	32.2	7.58316
Sb 217.582	1010.24	ug/L	0.532833	0.1	1992.28
Se 196.026	-0.991750uv	ug/L	0.465664	47.0	1.69441
Si 251.611	-2.22289uv	ug/L	1.77761	80.0	63.4688
Si 288.158	-1.00895uv	ug/L	2.44381	242.2	481.865
Sn 283.998	1.02461	ug/L	0.307809	30.0	12.0728
Sr 421.552	0.001300uv	ug/L	0.002381	183.1	27.7537
Ti 336.122	-0.148548uv	ug/L	0.029438	19.8	41.2803
Tl 190.794	0.975520	ug/L	0.383975	39.4	2.46131
V 292.401	-0.076351uv	ug/L	0.072436	94.9	11.4254
Zn 202.548	-0.821817uv	ug/L	0.018013	2.2	45.6755
Zr 339.198	13.1652	ug/L	1.57827	12.0	736.608

CRI RL Ag B Mo (Samp) **9/28/2009, 10:57:15 AM** **Rack 1, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	4.15718	ug/L	0.719354	17.3	40.3408
Al 237.312	104.568	ug/L	0.077356	0.1	467.606
As 188.980	9.32145	ug/L	0.650921	7.0	11.0774

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	11.0192	ug/L	0.160623	1.5	333.440
Ba 493.408	11.1615	ug/L	0.022790	0.2	27487.6
Be 313.042	1.00304	ug/L	0.004155	0.4	3326.41
Ca 373.690	414.477	ug/L	0.436698	0.1	2020.99
Cd 214.439	1.00104	ug/L	0.045829	4.6	42.7565
Co 228.615	10.7840	ug/L	0.061032	0.6	101.853
Cr 267.716	5.17691	ug/L	0.011092	0.2	260.044
Cu 327.395	10.6343	ug/L	0.175465	1.6	786.915
Fe 273.955	102.552	ug/L	0.549671	0.5	1691.95
K 404.721	3862.53	ug/L	418.384	10.8	58.0702
Li 610.365	80.8456	ug/L	0.179636	0.2	5906.50
Mg 279.078	423.422	ug/L	1.93129	0.5	1852.88
Mn 257.610	10.6467	ug/L	0.024904	0.2	3199.28
Mo 202.032	9.93002	ug/L	0.156715	1.6	97.5603
Na 330.237	1919.82	ug/L	89.3110	4.7	262.045
Ni 216.555	10.5235	ug/L	0.203596	1.9	95.0880
Pb 220.353	5.42962	ug/L	0.133408	2.5	31.5313
Sb 217.582	9.11011	ug/L	1.60496	17.6	22.6353
Se 196.026	12.2338	ug/L	0.554942	4.5	8.95170
Si 251.611	92.2274	ug/L	2.24482	2.4	559.420
Si 288.158	95.2613	ug/L	2.13202	2.2	1627.98
Sn 283.998	30.7808	ug/L	0.581051	1.9	145.298
Sr 421.552	22.1107	ug/L	0.055537	0.3	52793.9
Ti 336.122	10.2294	ug/L	0.027921	0.3	2502.42
Tl 190.794	10.2969	ug/L	0.296201	2.9	9.94524
V 292.401	10.0737	ug/L	0.075201	0.7	391.056
Zn 202.548	51.0209	ug/L	0.022917	0.0	1272.61
Zr 339.198	10.5092	ug/L	0.227693	2.2	589.004

LCS 360-49480/2-A (Samp) **9/28/2009, 11:00:08 AM** **Rack 1, Tube 5**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	871.454	ug/L	1.91446	0.2	7306.21
Al 237.312	4354.80	ug/L	10.7823	0.2	19052.8
As 188.980	870.096	ug/L	1.21128	0.1	905.188
B 249.678	862.719	ug/L	11.2047	1.3	24440.2
Ba 493.408	901.107	ug/L	2.01878	0.2	2208177
Be 313.042	883.563	ug/L	2.56223	0.3	2910244
Ca 373.690	17879.3	ug/L	75.4491	0.4	85166.4
Cd 214.439	872.354	ug/L	5.07983	0.6	33386.3
Co 228.615	882.965	ug/L	4.54078	0.5	7622.62
Cr 267.716	892.906	ug/L	4.49529	0.5	41778.6
Cu 327.395	887.365	ug/L	5.53187	0.6	60409.5
Fe 273.955	4409.30	ug/L	17.4263	0.4	69527.9
K 404.721	16469.7	ug/L	470.267	2.9	225.757
Li 610.365	4117.14	ug/L	13.0815	0.3	300834
Mg 279.078	17414.9	ug/L	73.3982	0.4	74931.8
Mn 257.610	891.848	ug/L	4.34354	0.5	263825
Mo 202.032	917.119	ug/L	7.18773	0.8	8271.64
Na 330.237	16904.6	ug/L	27.0151	0.2	2280.50
Ni 216.555	875.055	ug/L	6.82985	0.8	7580.86
Pb 220.353	869.201	ug/L	5.80946	0.7	4280.62
Sb 217.582	878.264	ug/L	2.78337	0.3	1732.63

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Se 196.026	869.950	ug/L	4.79101	0.6	479.608
Si 251.611	959.571	ug/L	17.9668	1.9	5113.78
Si 288.158	957.174	ug/L	18.7124	2.0	11889.2
Sn 283.998	888.316	ug/L	4.54574	0.5	3984.69
Sr 421.552	901.675	ug/L	1.99185	0.2	2151964
Ti 336.122	904.589	ug/L	0.082778	0.0	214600
Tl 190.794	855.923	ug/L	10.6636	1.2	688.882
V 292.401	896.992	ug/L	3.04029	0.3	33563.3
Zn 202.548	856.725	ug/L	5.57541	0.7	20340.8
Zr 339.198	925.523	ug/L	1.70273	0.2	51440.4

LCSD 360-49480/3-A (Samp) **9/28/2009, 11:03:02 AM** **Rack 1, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	871.687	ug/L	3.61486	0.4	7308.17
Al 237.312	4356.37	ug/L	24.1915	0.6	19059.6
As 188.980	872.549	ug/L	3.67507	0.4	907.735
B 249.678	879.206	ug/L	7.94321	0.9	24906.8
Ba 493.408	902.697	ug/L	4.73326	0.5	2212071
Be 313.042	884.064	ug/L	3.75245	0.4	2911892
Ca 373.690	17962.5	ug/L	73.1068	0.4	85556.7
Cd 214.439	873.495	ug/L	3.66708	0.4	33430.0
Co 228.615	884.325	ug/L	3.08311	0.3	7634.34
Cr 267.716	894.810	ug/L	4.13902	0.5	41867.6
Cu 327.395	894.218	ug/L	3.09264	0.3	60875.6
Fe 273.955	4417.50	ug/L	16.2162	0.4	69654.1
K 404.721	16201.5	ug/L	251.693	1.6	222.007
Li 610.365	4118.72	ug/L	15.7431	0.4	300950
Mg 279.078	17433.5	ug/L	69.0990	0.4	75010.6
Mn 257.610	893.970	ug/L	3.59427	0.4	264452
Mo 202.032	921.001	ug/L	5.46691	0.6	8306.62
Na 330.237	16967.2	ug/L	39.5676	0.2	2289.17
Ni 216.555	880.429	ug/L	4.24933	0.5	7627.40
Pb 220.353	869.521	ug/L	2.71022	0.3	4282.20
Sb 217.582	876.651	ug/L	2.04519	0.2	1729.46
Se 196.026	877.055	ug/L	3.58780	0.4	483.507
Si 251.611	1008.21	ug/L	20.7695	2.1	5369.19
Si 288.158	1007.26	ug/L	18.0414	1.8	12485.6
Sn 283.998	888.269	ug/L	4.28886	0.5	3984.48
Sr 421.552	903.747	ug/L	4.27432	0.5	2156907
Ti 336.122	903.518	ug/L	4.73862	0.5	214346
Tl 190.794	856.994	ug/L	11.2966	1.3	689.742
V 292.401	899.679	ug/L	4.27604	0.5	33663.8
Zn 202.548	858.568	ug/L	3.96298	0.5	20384.4
Zr 339.198	925.154	ug/L	1.57040	0.2	51419.9

MB 360-49527/1-A (Samp) **9/28/2009, 12:31:05 PM** **Rack 1, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.105465uv	ug/L	0.254790	241.6	4.63007
Al 237.312	4.06934	ug/L	0.156878	3.9	21.8983

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	0.604595	ug/L	0.078835	13.0	2.02299
B 249.678	0.741353	ug/L	0.083032	11.2	42.5323
Ba 493.408	0.795587	ug/L	0.005981	0.8	2087.37
Be 313.042	0.008188	ug/L	0.001780	21.7	49.6158
Ca 373.690	146.761	ug/L	1.12790	0.8	727.817
Cd 214.439	-0.004264uv	ug/L	0.003811	89.4	4.28721
Co 228.615	-0.016340uv	ug/L	0.035996	220.3	8.72177
Cr 267.716	1.79945	ug/L	0.063639	3.5	102.082
Cu 327.395	0.283169	ug/L	0.130244	46.0	82.9816
Fe 273.955	26.3284	ug/L	1.04527	4.0	462.460
K 404.721	113.652	ug/L	160.729	141.4	11.5265
Li 610.365	-0.046978uv	ug/L	0.000397	0.8	-4.23535
Mg 279.078	40.1493	ug/L	0.106515	0.3	182.073
Mn 257.610	0.488789	ug/L	0.001471	0.3	194.967
Mo 202.032	-0.180121uv	ug/L	0.118412	65.7	6.46453
Na 330.237	121.679	ug/L	28.6440	23.5	27.6055
Ni 216.555	-0.139210uv	ug/L	0.121930	87.6	2.76225
Pb 220.353	0.424279uv	ug/L	0.649161	153.0	6.90881
Sb 217.582	-0.358849uv	ug/L	0.291119	81.1	4.00586
Se 196.026	-0.988058uv	ug/L	1.25132	126.6	1.69643
Si 251.611	26.3673	ug/L	3.02235	11.5	213.594
Si 288.158	27.5002	ug/L	2.76476	10.1	821.272
Sn 283.998	9.99802	ug/L	0.342935	3.4	52.2489
Sr 421.552	0.359838	ug/L	0.000447	0.1	883.440
Ti 336.122	0.059141	ug/L	0.052966	89.6	90.5339
Tl 190.794	-0.333064uv	ug/L	1.43469	430.8	1.41068
V 292.401	-0.157865uv	ug/L	0.025432	16.1	8.37659
Zn 202.548	1.70001	ug/L	0.003235	0.2	105.358
Zr 339.198	1.02059	ug/L	0.104499	10.2	61.6769

LCS 360-49527/2-A (Samp) **9/28/2009, 12:33:59 PM** **Rack 1, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	901.662	ug/L	0.215188	0.0	7559.28
Al 237.312	4519.42	ug/L	7.07728	0.2	19762.3
As 188.980	900.238	ug/L	0.584753	0.1	936.497
B 249.678	896.801	ug/L	9.24500	1.0	25404.8
Ba 493.408	932.467	ug/L	0.957555	0.1	2285018
Be 313.042	908.191	ug/L	2.59459	0.3	2991363
Ca 373.690	18500.3	ug/L	49.2765	0.3	88078.8
Cd 214.439	903.623	ug/L	2.65299	0.3	34582.9
Co 228.615	912.836	ug/L	1.57649	0.2	7880.19
Cr 267.716	919.195	ug/L	2.68437	0.3	43008.1
Cu 327.395	912.930	ug/L	14.6626	1.6	62148.1
Fe 273.955	4572.35	ug/L	12.9154	0.3	72033.0
K 404.721	16843.2	ug/L	368.810	2.2	230.985
Li 610.365	4306.99	ug/L	9.65366	0.2	314707
Mg 279.078	18077.0	ug/L	37.1839	0.2	77740.3
Mn 257.610	921.079	ug/L	2.48290	0.3	272470
Mo 202.032	947.705	ug/L	2.06737	0.2	8547.23
Na 330.237	17755.3	ug/L	42.2704	0.2	2398.56
Ni 216.555	903.029	ug/L	1.47968	0.2	7823.08
Pb 220.353	899.010	ug/L	2.53771	0.3	4427.26

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sb 217.582	865.870	ug/L	5.39234	0.6	1708.24
Se 196.026	893.106	ug/L	0.323990	0.0	492.315
Si 251.611	973.668	ug/L	11.5367	1.2	5187.80
Si 288.158	967.528	ug/L	11.1982	1.2	12012.5
Sn 283.998	919.869	ug/L	1.57217	0.2	4125.96
Sr 421.552	931.440	ug/L	1.38120	0.1	2222999
Ti 336.122	936.825	ug/L	3.74205	0.4	222245
Tl 190.794	888.722	ug/L	5.10274	0.6	715.216
V 292.401	925.460	ug/L	2.35856	0.3	34628.0
Zn 202.548	887.443	ug/L	2.31195	0.3	21067.8
Zr 339.198	936.640	ug/L	4.64781	0.5	52058.2

LCSD 360-49527/3-A (Samp) **9/28/2009, 12:36:52 PM** **Rack 1, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	901.984	ug/L	2.72968	0.3	7561.98
Al 237.312	4504.98	ug/L	14.5540	0.3	19700.1
As 188.980	900.996	ug/L	1.35966	0.2	937.284
B 249.678	916.080	ug/L	15.6054	1.7	25950.5
Ba 493.408	932.711	ug/L	2.36076	0.3	2285618
Be 313.042	909.082	ug/L	3.30917	0.4	2994296
Ca 373.690	18478.1	ug/L	58.3156	0.3	87974.5
Cd 214.439	900.595	ug/L	1.95046	0.2	34467.0
Co 228.615	910.488	ug/L	1.67515	0.2	7859.94
Cr 267.716	919.365	ug/L	2.83956	0.3	43016.0
Cu 327.395	914.203	ug/L	1.04098	0.1	62234.6
Fe 273.955	4563.47	ug/L	12.1044	0.3	71896.8
K 404.721	17287.7	ug/L	59.0420	0.3	237.227
Li 610.365	4268.52	ug/L	12.2359	0.3	311896
Mg 279.078	17997.1	ug/L	42.2869	0.2	77401.3
Mn 257.610	919.468	ug/L	2.27268	0.2	271994
Mo 202.032	959.458	ug/L	4.89425	0.5	8653.13
Na 330.237	17604.4	ug/L	65.8700	0.4	2377.58
Ni 216.555	900.735	ug/L	2.56404	0.3	7803.22
Pb 220.353	897.668	ug/L	3.48271	0.4	4420.66
Sb 217.582	882.511	ug/L	5.36364	0.6	1740.99
Se 196.026	896.582	ug/L	1.29812	0.1	494.221
Si 251.611	1047.07	ug/L	16.4305	1.6	5573.25
Si 288.158	1040.90	ug/L	16.1671	1.6	12886.0
Sn 283.998	920.400	ug/L	3.03697	0.3	4128.34
Sr 421.552	931.634	ug/L	1.91990	0.2	2223464
Ti 336.122	938.450	ug/L	1.32630	0.1	222631
Tl 190.794	885.131	ug/L	6.07273	0.7	712.332
V 292.401	926.339	ug/L	2.45878	0.3	34660.9
Zn 202.548	884.510	ug/L	1.58201	0.2	20998.4
Zr 339.198	973.399	ug/L	2.50120	0.3	54101.1

360-24808-A-1-A (Samp) **9/28/2009, 12:39:46 PM** **Rack 1, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.163305uv	ug/L	0.061037	37.4	4.14551
Al 237.312	126421	ug/L	406.531	0.3	479423
As 188.980	90.5505	ug/L	1.47570	1.6	95.4522
B 249.678	68.0732	ug/L	3.46977	5.1	1948.31
Ba 493.408	832.592	ug/L	0.915691	0.1	2040288
Be 313.042	6.28793	ug/L	0.003835	0.1	20733.4
Ca 373.690	24348.9	ug/L	23.9215	0.1	115358
Cd 214.439	7.79204	ug/L	0.214092	2.7	302.624
Co 228.615	94.5280	ug/L	0.066539	0.1	823.972
Cr 267.716	319.540	ug/L	0.344943	0.1	14962.6
Cu 327.395	582.725	ug/L	5.00866	0.9	39692.3
Fe 273.955	323857	ug/L	179.693	0.1	3881222
K 404.721	19270.3	ug/L	182.809	0.9	265.342
Li 610.365	396.514	ug/L	1.25250	0.3	28972.1
Mg 279.078	59025.8	ug/L	34.0157	0.1	245703
Mn 257.610	1745.07	ug/L	1.46747	0.1	516175
Mo 202.032	16.1855	ug/L	0.864323	5.3	153.924
Na 330.237	226.370	ug/L	49.9959	22.1	41.2095
Ni 216.555	248.700	ug/L	0.399603	0.2	2157.40
Pb 220.353	706.875	ug/L	0.538660	0.1	3482.11
Sb 217.582	2.86334	ug/L	0.983764	34.4	10.3453
Se 196.026	0.421372uv	ug/L	2.04851	486.2	2.46983
Si 251.611	3261.61	ug/L	62.6974	1.9	17201.6
Si 288.158	3299.84	ug/L	85.1931	2.6	39779.2
Sn 283.998	108.097	ug/L	0.791751	0.7	491.461
Sr 421.552	126.691	ug/L	0.191499	0.2	302384
Ti 336.122	5345.00	ug/L	2.71414	0.1	1267646
Tl 190.794	2.01913	ug/L	1.92675	95.4	3.29921
V 292.401	656.534	ug/L	0.149975	0.0	24569.8
Zn 202.548	780.442	ug/L	3.91874	0.5	18535.4
Zr 339.198	86.9833	ug/L	1.25535	1.4	4839.01

CCV (CCV) **9/28/2009, 12:42:39 PM** **Rack 4, Tube 2**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	988.953	ug/L	0.629897	0.1	8290.57	98.89528
Al 237.312	4964.26	ug/L	0.691225	0.0	21675.5	99.28523
As 188.980	983.021	ug/L	1.51896	0.2	1022.48	98.30206
B 249.678	1002.03	ug/L	14.8226	1.5	28383.4	100.20340
Ba 493.408	996.791	ug/L	0.795150	0.1	2442635	99.67905
Be 313.042	986.368	ug/L	1.77989	0.2	3248857	98.63684
Ca 373.690	19757.1	ug/L	16.2717	0.1	93963.4	98.78555
Cd 214.439	986.035	ug/L	0.409875	0.0	37736.5	98.60349
Co 228.615	987.805	ug/L	0.326234	0.0	8526.64	98.78047
Cr 267.716	986.308	ug/L	0.321918	0.0	46146.9	98.63080
Cu 327.395	980.326	ug/L	1.65120	0.2	66731.4	98.03259
Fe 273.955	4946.21	ug/L	1.83337	0.0	77760.0	98.92422
K 404.721	19694.1	ug/L	99.2891	0.5	271.405	98.47035
Li 610.365	4947.88	ug/L	5.55673	0.1	361535	98.95753
Mg 279.078	19738.3	ug/L	3.47615	0.0	84773.9	98.69172
Mn 257.610	987.952	ug/L	0.157830	0.0	292249	98.79521
Mo 202.032	990.413	ug/L	2.74241	0.3	8932.04	99.04128
Na 330.237	19811.2	ug/L	13.5800	0.1	2685.40	99.05592

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ni 216.555	981.952	ug/L	2.31035	0.2	8506.46	98.19520
Pb 220.353	986.934	ug/L	1.39104	0.1	4859.78	98.69341
Sb 217.582	999.412	ug/L	3.74131	0.4	1970.98	99.94118
Se 196.026	989.491	ug/L	1.51490	0.2	545.204	98.94912
Si 251.611	989.461	ug/L	13.1579	1.3	5270.72	98.94608
Si 288.158	985.543	ug/L	13.2801	1.3	12227.0	98.55434
Sn 283.998	985.947	ug/L	2.59170	0.3	4421.81	98.59467
Sr 421.552	994.711	ug/L	0.350273	0.0	2374002	99.47109
Ti 336.122	991.215	ug/L	2.43413	0.2	235144	99.12148
Tl 190.794	990.743	ug/L	1.33398	0.1	797.126	99.07432
V 292.401	991.379	ug/L	0.110701	0.0	37093.5	99.13794
Zn 202.548	980.778	ug/L	0.606548	0.1	23276.7	98.07784
Zr 339.198	987.956	ug/L	2.99100	0.3	54910.1	98.79565

CCB (CCB) **9/28/2009, 12:45:32 PM** **Rack 4, Tube 3**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.058991uv	ug/L	0.807179	1368.3	5.01941	-0.05899
Al 237.312	2.01939	ug/L	0.123722	6.1	12.8038	2.01939
As 188.980	-0.042491uv	ug/L	0.469289	1104.5	1.35084	-0.04249
B 249.678	29.9220	ug/L	4.34210	14.5	868.469	29.92200
Ba 493.408	0.017706	ug/L	0.001882	10.6	181.283	0.01771
Be 313.042	0.023783	ug/L	0.001377	5.8	100.981	0.02378
Ca 373.690	0.247206uv	ug/L	0.859903	347.8	19.8627	0.24721
Cd 214.439	0.007571uv	ug/L	0.022864	302.0	4.74011	0.00757
Co 228.615	-0.095070uv	ug/L	0.042726	44.9	8.04289	-0.09507
Cr 267.716	-0.027086uv	ug/L	0.050449	186.3	16.6566	-0.02709
Cu 327.395	0.015021uv	ug/L	0.076889	511.9	64.7460	0.01502
Fe 273.955	2.51111	ug/L	0.396101	15.8	78.0779	2.51111
K 404.721	257.989	ug/L	5.80304	2.2	13.2894	257.98889
Li 610.365	-0.161021uv	ug/L	0.113367	70.4	-12.5684	-0.16102
Mg 279.078	0.973138	ug/L	1.28611	132.2	11.2371	0.97314
Mn 257.610	-0.018134uv	ug/L	0.011031	60.8	45.0391	-0.01813
Mo 202.032	10.7007	ug/L	1.78952	16.7	104.504	10.70067
Na 330.237	-19.2348uv	ug/L	40.2758	209.4	9.30359	-19.23485
Ni 216.555	0.021170uv	ug/L	0.087072	411.3	4.15094	0.02117
Pb 220.353	0.251536uv	ug/L	0.844202	335.6	6.05905	0.25154
Sb 217.582	2.21790	ug/L	0.649649	29.3	9.07541	2.21790
Se 196.026	3.46447	ug/L	1.02634	29.6	4.13968	3.46447
Si 251.611	-3.35970uv	ug/L	1.01304	30.2	57.4995	-3.35970
Si 288.158	-2.47059uv	ug/L	1.01988	41.3	464.463	-2.47059
Sn 283.998	0.359634uv	ug/L	0.609660	169.5	9.09552	0.35963
Sr 421.552	0.023349	ug/L	0.004313	18.5	80.3752	0.02335
Ti 336.122	0.310916	ug/L	0.156293	50.3	150.242	0.31092
Tl 190.794	2.11219	ug/L	1.96900	93.2	3.37393	2.11219
V 292.401	0.015211uv	ug/L	0.067442	443.4	14.8499	0.01521
Zn 202.548	-0.774837uv	ug/L	0.043947	5.7	46.7874	-0.77484
Zr 339.198	0.660833	ug/L	0.213688	32.3	41.6833	0.66083

360-24808-A-1-B DU (Samp) **9/28/2009, 12:48:27 PM** **Rack 1, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.274482	ug/L	0.333435	121.5	7.81311
Al 237.312	123381	ug/L	196.531	0.2	468110
As 188.980	85.5278	ug/L	1.87507	2.2	90.2351
B 249.678	55.2188	ug/L	0.379662	0.7	1584.47
Ba 493.408	824.473	ug/L	1.61058	0.2	2020396
Be 313.042	6.13068	ug/L	0.017534	0.3	20215.5
Ca 373.690	25496.0	ug/L	8.79878	0.0	120677
Cd 214.439	7.75347	ug/L	0.055690	0.7	301.148
Co 228.615	95.2291	ug/L	0.684956	0.7	830.017
Cr 267.716	300.371	ug/L	0.874777	0.3	14066.1
Cu 327.395	582.723	ug/L	0.370774	0.1	39692.2
Fe 273.955	337122	ug/L	767.012	0.2	4037978
K 404.721	16987.9	ug/L	75.5928	0.4	233.012
Li 610.365	332.447	ug/L	0.747525	0.2	24290.7
Mg 279.078	53032.7	ug/L	167.803	0.3	221824
Mn 257.610	1678.07	ug/L	0.951469	0.1	496358
Mo 202.032	12.9769	ug/L	1.00504	7.7	125.013
Na 330.237	268.192	ug/L	4.86729	1.8	46.6451
Ni 216.555	252.337	ug/L	2.68599	1.1	2188.90
Pb 220.353	557.810	ug/L	0.835201	0.1	2748.82
Sb 217.582	-0.088919uv	ug/L	1.50892	1697.0	4.53693
Se 196.026	-2.36648uv	ug/L	2.08933	88.3	0.940048
Si 251.611	3051.98	ug/L	39.6688	1.3	16100.8
Si 288.158	3104.46	ug/L	38.1632	1.2	37453.1
Sn 283.998	96.4772	ug/L	0.621092	0.6	439.437
Sr 421.552	123.491	ug/L	0.211832	0.2	294749
Ti 336.122	5504.73	ug/L	11.7463	0.2	1305527
Tl 190.794	-1.69455uv	ug/L	0.109175	6.4	0.317566
V 292.401	681.790	ug/L	1.27883	0.2	25514.4
Zn 202.548	777.583	ug/L	6.30613	0.8	18467.8
Zr 339.198	87.4758	ug/L	1.56298	1.8	4866.38

360-24808-A-1-C MS (Samp) **9/28/2009, 12:51:19 PM** **Rack 1, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	856.459	ug/L	5.17749	0.6	7180.59
Al 237.312	128539	ug/L	543.776	0.4	487305
As 188.980	940.328	ug/L	6.40634	0.7	978.139
B 249.678	894.537	ug/L	11.6100	1.3	25340.8
Ba 493.408	1639.51	ug/L	1.14568	0.1	4017530
Be 313.042	864.548	ug/L	5.71348	0.7	2847613
Ca 373.690	44287.0	ug/L	188.963	0.4	206336
Cd 214.439	844.132	ug/L	3.73350	0.4	32306.4
Co 228.615	936.951	ug/L	5.14392	0.5	8088.14
Cr 267.716	1159.47	ug/L	5.29700	0.5	54245.4
Cu 327.395	1418.36	ug/L	11.8024	0.8	96520.0
Fe 273.955	317992	ug/L	1145.93	0.4	3811917
K 404.721	40506.0	ug/L	35.0487	0.1	593.195
Li 610.365	4772.00	ug/L	23.1432	0.5	348684
Mg 279.078	75354.2	ug/L	406.034	0.5	309535

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	2696.20	ug/L	13.4140	0.5	797481
Mo 202.032	894.423	ug/L	5.02100	0.6	8067.14
Na 330.237	17260.0	ug/L	28.1130	0.2	2329.77
Ni 216.555	1074.66	ug/L	4.01442	0.4	9309.18
Pb 220.353	1646.51	ug/L	6.83094	0.4	8104.36
Sb 217.582	489.190	ug/L	3.73706	0.8	967.157
Se 196.026	823.991	ug/L	3.77554	0.5	454.389
Si 251.611	4403.38	ug/L	34.6624	0.8	23197.0
Si 288.158	4444.30	ug/L	28.3119	0.6	53404.2
Sn 283.998	904.280	ug/L	7.33118	0.8	4056.17
Sr 421.552	994.176	ug/L	3.63139	0.4	2372725
Ti 336.122	6324.34	ug/L	32.9278	0.5	1499899
Tl 190.794	780.377	ug/L	4.12650	0.5	628.227
V 292.401	1751.66	ug/L	8.37341	0.5	65529.2
Zn 202.548	1586.51	ug/L	11.9826	0.8	37612.2
Zr 339.198	895.403	ug/L	6.45067	0.7	49766.5

360-24808-A-1-Asd@5 (Samp) **9/28/2009, 12:54:12 PM** **Rack 1, Tube 13**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.743574uv	ug/L	0.128389	17.3	-0.715759
Al 237.312	25371.1	ug/L	27.8630	0.1	103361
As 188.980	19.4963	ug/L	0.441088	2.3	21.6463
B 249.678	32.2709	ug/L	3.21839	10.0	934.951
Ba 493.408	178.577	ug/L	0.052966	0.0	437715
Be 313.042	1.29449	ug/L	0.002426	0.2	4286.34
Ca 373.690	5167.73	ug/L	5.32091	0.1	24887.3
Cd 214.439	1.60414	ug/L	0.025063	1.6	65.8350
Co 228.615	20.6562	ug/L	0.090084	0.4	186.980
Cr 267.716	68.5553	ug/L	0.144397	0.2	3224.21
Cu 327.395	120.590	ug/L	0.422213	0.4	8264.51
Fe 273.955	69879.9	ug/L	91.2720	0.1	879884
K 404.721	3567.89	ug/L	375.196	10.5	54.3563
Li 610.365	70.9621	ug/L	0.431524	0.6	5184.32
Mg 279.078	12465.4	ug/L	7.74848	0.1	53844.9
Mn 257.610	385.298	ug/L	0.327421	0.1	114007
Mo 202.032	7.31300	ug/L	0.970656	13.3	73.9801
Na 330.237	-11.9507uv	ug/L	50.3830	421.6	10.2495
Ni 216.555	54.3274	ug/L	0.291840	0.5	474.376
Pb 220.353	157.369	ug/L	0.259932	0.2	778.955
Sb 217.582	2.52597	ug/L	1.29417	51.2	9.68152
Se 196.026	-1.29031uv	ug/L	1.71475	132.9	1.53058
Si 251.611	683.675	ug/L	6.18878	0.9	3665.07
Si 288.158	689.973	ug/L	3.57727	0.5	8708.15
Sn 283.998	22.5416	ug/L	0.417467	1.9	108.410
Sr 421.552	26.9302	ug/L	0.015544	0.1	64296.2
Ti 336.122	1163.45	ug/L	3.33571	0.3	275990
Tl 190.794	2.81239	ug/L	0.889105	31.6	3.93610
V 292.401	138.734	ug/L	0.355388	0.3	5203.18
Zn 202.548	170.552	ug/L	1.69178	1.0	4101.48
Zr 339.198	22.1597	ug/L	1.02620	4.6	1236.47

360-24808-A-1-Apds (Samp) **9/28/2009, 12:57:06 PM** **Rack 1, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	883.733	ug/L	4.89256	0.6	7409.08
Al 237.312	126328	ug/L	537.727	0.4	479076
As 188.980	974.972	ug/L	1.42172	0.1	1014.13
B 249.678	961.723	ug/L	14.3444	1.5	27242.4
Ba 493.408	1679.77	ug/L	14.6611	0.9	4116182
Be 313.042	880.072	ug/L	5.00944	0.6	2898744
Ca 373.690	43538.7	ug/L	298.200	0.7	202978
Cd 214.439	867.376	ug/L	4.63184	0.5	33195.8
Co 228.615	955.686	ug/L	3.80290	0.4	8249.68
Cr 267.716	1192.25	ug/L	5.74956	0.5	55778.8
Cu 327.395	1476.70	ug/L	13.3478	0.9	100487
Fe 273.955	313482	ug/L	1248.82	0.4	3758620
K 404.721	37114.7	ug/L	116.849	0.3	537.557
Li 610.365	4935.77	ug/L	17.4905	0.4	360651
Mg 279.078	75625.0	ug/L	380.412	0.5	310579
Mn 257.610	2510.24	ug/L	11.9678	0.5	742482
Mo 202.032	941.347	ug/L	6.53444	0.7	8489.95
Na 330.237	17627.0	ug/L	120.302	0.7	2380.73
Ni 216.555	1090.50	ug/L	5.28958	0.5	9446.34
Pb 220.353	1499.08	ug/L	8.74026	0.6	7379.17
Sb 217.582	888.667	ug/L	5.01531	0.6	1753.10
Se 196.026	852.875	ug/L	1.76086	0.2	470.238
Si 251.611	4040.84	ug/L	29.0632	0.7	21293.3
Si 288.158	4075.00	ug/L	26.5453	0.7	49007.6
Sn 283.998	962.078	ug/L	3.46791	0.4	4314.94
Sr 421.552	1008.69	ug/L	4.06453	0.4	2407355
Ti 336.122	6015.30	ug/L	40.9131	0.7	1426609
Tl 190.794	809.409	ug/L	5.29653	0.7	651.536
V 292.401	1527.29	ug/L	6.00436	0.4	57137.5
Zn 202.548	1585.36	ug/L	7.78568	0.5	37585.1
Zr 339.198	1001.29	ug/L	4.81285	0.5	55651.0

360-24808-A-2-A (Samp) **9/28/2009, 12:59:59 PM** **Rack 1, Tube 15**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.059384uv	ug/L	0.020112	33.9	5.01611
Al 237.312	113000	ug/L	334.069	0.3	429474
As 188.980	106.081	ug/L	0.171765	0.2	111.584
B 249.678	76.3045	ug/L	3.62965	4.8	2181.29
Ba 493.408	1391.55	ug/L	15.1657	1.1	3409944
Be 313.042	6.34720	ug/L	0.015052	0.2	20928.6
Ca 373.690	30616.4	ug/L	164.173	0.5	144293
Cd 214.439	31.5585	ug/L	0.156167	0.5	1212.08
Co 228.615	171.315	ug/L	0.326536	0.2	1486.10
Cr 267.716	284.635	ug/L	1.04834	0.4	13330.1
Cu 327.395	807.173	ug/L	2.88717	0.4	54956.0
Fe 273.955	314058	ug/L	1241.83	0.4	3765425
K 404.721	18782.2	ug/L	439.235	2.3	258.384
Li 610.365	328.087	ug/L	1.21122	0.4	23972.2
Mg 279.078	53292.1	ug/L	174.512	0.3	222863

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	18721.1	ug/L	77.5953	0.4	5537023
Mo 202.032	38.3749	ug/L	1.00191	2.6	353.858
Na 330.237	574.094	ug/L	4.12788	0.7	86.4336
Ni 216.555	377.829	ug/L	1.21540	0.3	3275.50
Pb 220.353	8478.68	ug/L	30.8468	0.4	41713.4
Sb 217.582	-1.03673uv	ug/L	0.217303	21.0	2.67218
Se 196.026	9.77991	ug/L	3.14848	32.2	7.60516
Si 251.611	4540.80	ug/L	26.7665	0.6	23918.5
Si 288.158	4625.87	ug/L	2.83292	0.1	55565.9
Sn 283.998	114.735	ug/L	0.289069	0.3	521.183
Sr 421.552	181.067	ug/L	0.527385	0.3	432158
Ti 336.122	5548.08	ug/L	18.0195	0.3	1315808
Tl 190.794	14.8785	ug/L	1.46271	9.8	13.6238
V 292.401	654.504	ug/L	1.85339	0.3	24493.8
Zn 202.548	2140.71	ug/L	10.9139	0.5	50728.1
Zr 339.198	91.6292	ug/L	5.54914	6.1	5097.20

360-24808-A-3-A (Samp) **9/28/2009, 1:02:53 PM** **Rack 1, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.22716	ug/L	0.331539	27.0	15.7943
Al 237.312	128186	ug/L	184.699	0.1	485990
As 188.980	45.1235	ug/L	0.155249	0.3	48.2660
B 249.678	45.8028	ug/L	0.350033	0.8	1317.96
Ba 493.408	1221.77	ug/L	3.63376	0.3	2993908
Be 313.042	6.87518	ug/L	0.023468	0.3	22667.7
Ca 373.690	29183.4	ug/L	73.5184	0.3	137705
Cd 214.439	7.45991	ug/L	0.041963	0.6	289.914
Co 228.615	116.532	ug/L	0.484356	0.4	1013.71
Cr 267.716	474.687	ug/L	1.67077	0.4	22218.7
Cu 327.395	1907.07	ug/L	5.79116	0.3	129756
Fe 273.955	272471	ug/L	541.931	0.2	3273979
K 404.721	19045.1	ug/L	130.570	0.7	262.125
Li 610.365	350.195	ug/L	1.35170	0.4	25587.6
Mg 279.078	47370.7	ug/L	130.801	0.3	199044
Mn 257.610	1142.01	ug/L	4.18697	0.4	337811
Mo 202.032	11.5121	ug/L	0.759587	6.6	111.815
Na 330.237	401.000	ug/L	20.8606	5.2	63.9136
Ni 216.555	668.683	ug/L	2.04812	0.3	5793.94
Pb 220.353	940.040	ug/L	1.87161	0.2	4629.10
Sb 217.582	-0.490076uv	ug/L	0.473126	96.5	3.74768
Se 196.026	-0.389129uv	ug/L	1.59001	408.6	2.02508
Si 251.611	3135.65	ug/L	14.6171	0.5	16540.2
Si 288.158	3179.39	ug/L	27.7719	0.9	38345.1
Sn 283.998	192.388	ug/L	2.09166	1.1	868.854
Sr 421.552	161.595	ug/L	0.564706	0.3	385687
Ti 336.122	6117.20	ug/L	13.3214	0.2	1450774
Tl 190.794	-1.11921uv	ug/L	0.764791	68.3	0.779495
V 292.401	551.610	ug/L	2.15770	0.4	20645.4
Zn 202.548	1301.11	ug/L	0.007510	0.0	30857.8
Zr 339.198	83.7549	ug/L	1.86969	2.2	4659.60

360-24808-A-5-A (Samp) **9/28/2009, 1:05:46 PM** **Rack 1, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.331760uv	ug/L	0.223931	67.5	2.73425
Al 237.312	174139	ug/L	1023.59	0.6	657005
As 188.980	130.862	ug/L	1.01602	0.8	137.325
B 249.678	80.6688	ug/L	1.07852	1.3	2304.82
Ba 493.408	1286.94	ug/L	6.51899	0.5	3153619
Be 313.042	9.23888	ug/L	0.042228	0.5	30453.1
Ca 373.690	41688.3	ug/L	159.605	0.4	194655
Cd 214.439	10.5866	ug/L	0.073348	0.7	409.563
Co 228.615	161.164	ug/L	1.16918	0.7	1398.57
Cr 267.716	398.072	ug/L	1.78846	0.4	18635.5
Cu 327.395	776.614	ug/L	3.66846	0.5	52877.8
Fe 273.955	420831	ug/L	2836.03	0.7	5027208
K 404.721	24438.4	ug/L	699.740	2.9	340.643
Li 610.365	626.272	ug/L	1.71650	0.3	45760.2
Mg 279.078	78991.1	ug/L	440.445	0.6	323509
Mn 257.610	3648.36	ug/L	17.5025	0.5	1079094
Mo 202.032	21.6588	ug/L	0.414737	1.9	203.241
Na 330.237	540.001	ug/L	13.0301	2.4	81.9968
Ni 216.555	314.230	ug/L	1.09657	0.3	2724.81
Pb 220.353	2922.98	ug/L	13.0347	0.4	14383.6
Sb 217.582	-1.06781uv	ug/L	0.782650	73.3	2.61102
Se 196.026	-1.81587uv	ug/L	2.19303	120.8	1.24219
Si 251.611	3250.40	ug/L	25.2558	0.8	17142.7
Si 288.158	3286.17	ug/L	14.5240	0.4	39616.4
Sn 283.998	144.940	ug/L	0.055297	0.0	656.418
Sr 421.552	223.362	ug/L	0.821897	0.4	533100
Ti 336.122	8090.71	ug/L	15.4569	0.2	1918793
Tl 190.794	1.32877	ug/L	1.52947	115.1	2.74493
V 292.401	910.602	ug/L	4.72416	0.5	34072.3
Zn 202.548	1496.39	ug/L	7.47633	0.5	35479.3
Zr 339.198	102.015	ug/L	4.47541	4.4	5674.40

360-24808-A-7-A (Samp) **9/28/2009, 1:08:39 PM** **Rack 1, Tube 18**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.52718	ug/L	0.103012	6.7	18.3077
Al 237.312	147557	ug/L	229.953	0.2	558079
As 188.980	55.9805	ug/L	0.034068	0.1	59.5435
B 249.678	100.160	ug/L	0.454630	0.5	2856.51
Ba 493.408	1179.67	ug/L	0.331456	0.0	2890759
Be 313.042	5.49784	ug/L	0.007362	0.1	18131.1
Ca 373.690	49924.5	ug/L	63.2281	0.1	231494
Cd 214.439	16.2509	ug/L	0.007361	0.0	626.315
Co 228.615	103.413	ug/L	0.280734	0.3	900.588
Cr 267.716	403.895	ug/L	0.834230	0.2	18907.8
Cu 327.395	1658.34	ug/L	3.85076	0.2	112840
Fe 273.955	269028	ug/L	992.226	0.4	3233286
K 404.721	15389.4	ug/L	499.710	3.2	210.715
Li 610.365	282.826	ug/L	0.121491	0.0	20665.0
Mg 279.078	53057.7	ug/L	180.293	0.3	221924

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1863.58	ug/L	4.60103	0.2	551227
Mo 202.032	17.4373	ug/L	0.231600	1.3	165.203
Na 330.237	681.878	ug/L	22.1712	3.3	100.465
Ni 216.555	312.546	ug/L	1.24562	0.4	2710.23
Pb 220.353	8024.90	ug/L	18.1075	0.2	39481.2
Sb 217.582	-1.42207uv	ug/L	0.414424	29.1	1.91406
Se 196.026	2.96074	ug/L	1.29086	43.6	3.86327
Si 251.611	3613.67	ug/L	45.6256	1.3	19050.3
Si 288.158	3650.85	ug/L	53.5628	1.5	43958.0
Sn 283.998	262.736	ug/L	0.254268	0.1	1183.82
Sr 421.552	317.726	ug/L	0.186660	0.1	758309
Ti 336.122	5713.72	ug/L	16.6619	0.3	1355089
Tl 190.794	-0.993323uv	ug/L	1.32556	133.4	0.880570
V 292.401	698.039	ug/L	0.740641	0.1	26122.1
Zn 202.548	2584.54	ug/L	20.0541	0.8	61232.0
Zr 339.198	67.0569	ug/L	9.39186	14.0	3731.61

360-24808-A-8-A (Samp) **9/28/2009, 1:11:32 PM** **Rack 1, Tube 19**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	2.70803	ug/L	0.196710	7.3	28.2004
Al 237.312	133010	ug/L	169.330	0.1	503944
As 188.980	44.4290	ug/L	2.01186	4.5	47.5446
B 249.678	109.612	ug/L	0.859121	0.8	3124.02
Ba 493.408	1099.26	ug/L	1.73868	0.2	2693728
Be 313.042	4.42243	ug/L	0.006941	0.2	14588.9
Ca 373.690	49207.7	ug/L	99.5170	0.2	228309
Cd 214.439	13.0049	ug/L	0.139450	1.1	502.101
Co 228.615	95.4108	ug/L	0.107216	0.1	831.584
Cr 267.716	455.299	ug/L	1.02210	0.2	21312.0
Cu 327.395	2228.34	ug/L	1.46514	0.1	151604
Fe 273.955	250623	ug/L	104.552	0.0	3015789
K 404.721	13763.7	ug/L	315.286	2.3	188.310
Li 610.365	200.368	ug/L	0.359078	0.2	14639.8
Mg 279.078	49021.0	ug/L	62.8745	0.1	205706
Mn 257.610	1770.20	ug/L	2.15732	0.1	523609
Mo 202.032	20.9409	ug/L	0.310872	1.5	196.772
Na 330.237	929.076	ug/L	62.2326	6.7	132.667
Ni 216.555	294.241	ug/L	0.231307	0.1	2551.73
Pb 220.353	9139.61	ug/L	16.8400	0.2	44964.7
Sb 217.582	0.749319uv	ug/L	3.16276	422.1	6.18610
Se 196.026	3.08674	ug/L	1.03623	33.6	3.93240
Si 251.611	3117.98	ug/L	51.4470	1.7	16447.4
Si 288.158	3152.20	ug/L	49.5866	1.6	38021.5
Sn 283.998	327.461	ug/L	0.068018	0.0	1473.61
Sr 421.552	309.583	ug/L	0.532661	0.2	738875
Ti 336.122	5398.21	ug/L	31.2922	0.6	1280266
Tl 190.794	-1.94209uv	ug/L	0.226924	11.7	0.118820
V 292.401	670.735	ug/L	0.761357	0.1	25100.9
Zn 202.548	2692.65	ug/L	8.46439	0.3	63790.7
Zr 339.198	33.7899	ug/L	6.27558	18.6	1882.81

360-24808-A-11-A (Samp) **9/28/2009, 1:14:25 PM** **Rack 1, Tube 20**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	5.64437	ug/L	0.139733	2.5	52.7999
Al 237.312	138707	ug/L	580.601	0.4	525143
As 188.980	51.8527	ug/L	3.07008	5.9	55.2558
B 249.678	52.7352	ug/L	0.119813	0.2	1514.18
Ba 493.408	712.056	ug/L	2.61000	0.4	1744933
Be 313.042	4.75034	ug/L	0.015294	0.3	15669.0
Ca 373.690	32356.9	ug/L	177.832	0.5	152274
Cd 214.439	8.78887	ug/L	0.160629	1.8	340.769
Co 228.615	81.0242	ug/L	0.381703	0.5	707.530
Cr 267.716	634.727	ug/L	2.47966	0.4	29703.7
Cu 327.395	5490.95	ug/L	22.2500	0.4	373479
Fe 273.955	257742	ug/L	1041.91	0.4	3099924
K 404.721	15192.0	ug/L	359.116	2.4	207.975
Li 610.365	197.345	ug/L	0.442168	0.2	14419.0
Mg 279.078	41348.7	ug/L	170.614	0.4	174578
Mn 257.610	1158.20	ug/L	3.92940	0.3	342601
Mo 202.032	61.8317	ug/L	0.291939	0.5	565.212
Na 330.237	1627.82	ug/L	27.4872	1.7	223.861
Ni 216.555	434.622	ug/L	2.12654	0.5	3767.26
Pb 220.353	-x	ug/L	130.104	0.4	147402
Sb 217.582	0.844373	ug/L	0.122976	14.6	6.37311
Se 196.026	3.20970	ug/L	0.026977	0.8	3.99988
Si 251.611	2979.46	ug/L	28.1734	0.9	15720.0
Si 288.158	3013.40	ug/L	43.3108	1.4	36369.0
Sn 283.998	1002.69	ug/L	2.62688	0.3	4496.77
Sr 421.552	160.944	ug/L	0.785180	0.5	384133
Ti 336.122	6050.56	ug/L	27.6783	0.5	1434972
Tl 190.794	0.222069uv	ug/L	3.14426	1415.9	1.85638
V 292.401	1513.36	ug/L	5.51823	0.4	56616.4
Zn 202.548	2423.76	ug/L	20.7443	0.9	57427.0
Zr 339.198	22.1154	ug/L	2.70391	12.2	1234.01

CCV (CCV) **9/28/2009, 1:17:19 PM** **Rack 4, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	987.290	ug/L	3.50683	0.4	8276.63	98.72897
Al 237.312	4957.30	ug/L	14.4460	0.3	21645.6	99.14607
As 188.980	982.800	ug/L	1.06334	0.1	1022.26	98.27998
B 249.678	995.467	ug/L	11.8803	1.2	28197.5	99.54671
Ba 493.408	997.058	ug/L	3.94334	0.4	2443290	99.70577
Be 313.042	982.858	ug/L	2.49779	0.3	3237295	98.28580
Ca 373.690	19680.8	ug/L	49.0514	0.2	93606.6	98.40414
Cd 214.439	978.804	ug/L	1.07292	0.1	37459.8	97.88036
Co 228.615	983.041	ug/L	1.57774	0.2	8485.57	98.30412
Cr 267.716	982.276	ug/L	2.70827	0.3	45958.3	98.22755
Cu 327.395	980.820	ug/L	2.12667	0.2	66765.0	98.08196
Fe 273.955	4937.22	ug/L	14.3441	0.3	77622.5	98.74445
K 404.721	19776.1	ug/L	111.313	0.6	272.582	98.88052
Li 610.365	4947.04	ug/L	16.4665	0.3	361474	98.94077
Mg 279.078	19647.3	ug/L	44.9786	0.2	84388.9	98.23640

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	985.367	ug/L	2.90931	0.3	291484	98.53669
Mo 202.032	981.245	ug/L	5.03749	0.5	8849.44	98.12455
Na 330.237	19916.6	ug/L	7.08212	0.0	2700.17	99.58277
Ni 216.555	982.547	ug/L	0.621998	0.1	8511.61	98.25465
Pb 220.353	982.332	ug/L	3.99491	0.4	4837.14	98.23319
Sb 217.582	992.452	ug/L	3.49242	0.4	1957.29	99.24519
Se 196.026	982.830	ug/L	1.20994	0.1	541.549	98.28300
Si 251.611	994.427	ug/L	11.7211	1.2	5296.80	99.44264
Si 288.158	987.583	ug/L	15.5693	1.6	12251.3	98.75828
Sn 283.998	982.176	ug/L	1.89435	0.2	4404.92	98.21761
Sr 421.552	994.650	ug/L	2.82515	0.3	2373856	99.46498
Ti 336.122	989.626	ug/L	6.37661	0.6	234767	98.96261
Tl 190.794	983.418	ug/L	1.04659	0.1	791.245	98.34180
V 292.401	989.579	ug/L	3.01988	0.3	37026.2	98.95789
Zn 202.548	972.277	ug/L	0.953239	0.1	23075.5	97.22768
Zr 339.198	885.867	ug/L	11.4337	1.3	49236.6	88.58672Q

CCB (CCB) **9/28/2009, 1:20:12 PM** **Rack 4, Tube 3**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.258905uv	ug/L	0.518852	200.4	3.34460	-0.25891
Al 237.312	1.62390	ug/L	0.094168	5.8	11.0492	1.62390
As 188.980	0.297680uv	ug/L	1.60872	540.4	1.70419	0.29768
B 249.678	26.1458	ug/L	4.23028	16.2	761.586	26.14577
Ba 493.408	0.029299	ug/L	0.000375	1.3	209.690	0.02930
Be 313.042	0.038809	ug/L	0.000357	0.9	150.474	0.03881
Ca 373.690	0.980298	ug/L	0.104114	10.6	23.4055	0.98030
Cd 214.439	-0.010504uv	ug/L	0.007161	68.2	4.04845	-0.01050
Co 228.615	0.040413uv	ug/L	0.158010	391.0	9.21115	0.04041
Cr 267.716	0.079539	ug/L	0.042863	53.9	21.6434	0.07954
Cu 327.395	-0.023613uv	ug/L	0.065758	278.5	62.1186	-0.02361
Fe 273.955	4.03892	ug/L	0.799429	19.8	102.738	4.03892
K 404.721	438.500	ug/L	75.2345	17.2	15.4984	438.50031
Li 610.365	-0.036460uv	ug/L	0.073751	202.3	-3.46680	-0.03646
Mg 279.078	1.64824	ug/L	0.531754	32.3	14.1811	1.64824
Mn 257.610	0.010474	ug/L	0.002861	27.3	53.5001	0.01047
Mo 202.032	10.6613	ug/L	2.17198	20.4	104.150	10.66134
Na 330.237	-48.7398uv	ug/L	18.8025	38.6	5.47229	-48.73978
Ni 216.555	0.430983	ug/L	0.031813	7.4	7.69942	0.43098
Pb 220.353	-0.262145uv	ug/L	0.129434	49.4	3.53214	-0.26214
Sb 217.582	1.02148	ug/L	0.618302	60.5	6.72156	1.02148
Se 196.026	3.25788	ug/L	1.16799	35.9	4.02631	3.25788
Si 251.611	-0.246388uv	ug/L	0.555811	225.6	73.8473	-0.24639
Si 288.158	0.262070uv	ug/L	1.13264	432.2	496.996	0.26207
Sn 283.998	1.01378	ug/L	0.552305	54.5	12.0243	1.01378
Sr 421.552	0.034731	ug/L	0.003306	9.5	107.540	0.03473
Ti 336.122	0.588992	ug/L	0.220197	37.4	216.188	0.58899
Tl 190.794	2.13966	ug/L	0.504646	23.6	3.39598	2.13966
V 292.401	0.046017	ug/L	0.017486	38.0	16.0021	0.04602
Zn 202.548	-0.794786uv	ug/L	0.045530	5.7	46.3153	-0.79479
Zr 339.198	0.553339	ug/L	0.026930	4.9	35.7094	0.55334

360-24808-A-12-A (Samp) **9/28/2009, 1:23:05 PM** **Rack 1, Tube 21**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.150286uv	ug/L	0.575902	383.2	4.25458
Al 237.312	103964	ug/L	432.037	0.4	395848
As 188.980	46.9598	ug/L	1.20958	2.6	50.1734
B 249.678	72.4486	ug/L	0.065455	0.1	2072.15
Ba 493.408	489.651	ug/L	2.07572	0.4	1199960
Be 313.042	3.76921	ug/L	0.018279	0.5	12437.4
Ca 373.690	23249.2	ug/L	90.7431	0.4	110250
Cd 214.439	7.27578	ug/L	0.013886	0.2	282.868
Co 228.615	69.3650	ug/L	0.081920	0.1	606.993
Cr 267.716	255.781	ug/L	1.27120	0.5	11980.6
Cu 327.395	807.639	ug/L	0.921647	0.1	54987.7
Fe 273.955	271287	ug/L	849.279	0.3	3259988
K 404.721	12918.7	ug/L	62.3041	0.5	176.777
Li 610.365	221.776	ug/L	0.907243	0.4	16204.1
Mg 279.078	46652.9	ug/L	238.588	0.5	196140
Mn 257.610	1155.07	ug/L	5.35198	0.5	341675
Mo 202.032	19.7396	ug/L	1.64088	8.3	185.948
Na 330.237	319.845	ug/L	16.5122	5.2	53.3604
Ni 216.555	238.371	ug/L	0.699500	0.3	2067.96
Pb 220.353	3958.85	ug/L	15.9510	0.4	19479.3
Sb 217.582	0.096489uv	ug/L	1.54856	1604.9	4.90170
Se 196.026	-1.16109uv	ug/L	1.85864	160.1	1.60149
Si 251.611	2765.20	ug/L	13.4424	0.5	14595.0
Si 288.158	2782.25	ug/L	8.91859	0.3	33617.1
Sn 283.998	128.850	ug/L	0.495393	0.4	584.377
Sr 421.552	110.297	ug/L	0.573025	0.5	263259
Ti 336.122	3430.19	ug/L	19.5889	0.6	813548
Tl 190.794	-1.28793uv	ug/L	0.196513	15.3	0.644035
V 292.401	474.462	ug/L	2.53603	0.5	17760.0
Zn 202.548	1460.33	ug/L	10.9058	0.7	34626.0
Zr 339.198	79.9609	ug/L	7.67194	9.6	4448.75

360-24343-A-2-E (Samp) **9/28/2009, 1:25:59 PM** **Rack 1, Tube 22**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	25.8671	ug/L	0.905205	3.5	222.218
Al 237.312	110638	ug/L	60.1317	0.1	420684
As 188.980	90.4936	ug/L	1.76878	2.0	95.3932
B 249.678	12.3257	ug/L	0.753008	6.1	370.420
Ba 493.408	467.311	ug/L	0.235429	0.1	1145218
Be 313.042	2.65794	ug/L	0.006283	0.2	8777.18
Ca 373.690	24664.0	ug/L	12.3868	0.1	116820
Cd 214.439	3.79763	ug/L	0.079266	2.1	149.772
Co 228.615	72.8449	ug/L	0.040224	0.1	637.000
Cr 267.716	1872.73	ug/L	2.16802	0.1	87604.3
Cu 327.395	287.959	ug/L	1.33297	0.5	19646.5
Fe 273.955	235446	ug/L	584.214	0.2	2836442
K 404.721	18258.1	ug/L	276.081	1.5	250.936
Li 610.365	149.057	ug/L	0.091237	0.1	10890.6
Mg 279.078	51545.3	ug/L	21.7408	0.0	215861

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1589.50	ug/L	0.473793	0.0	470164
Mo 202.032	4.17754	ug/L	0.561261	13.4	45.7286
Na 330.237	736.316	ug/L	56.6981	7.7	107.554
Ni 216.555	152.411	ug/L	0.218522	0.1	1323.66
Pb 220.353	62.5386	ug/L	0.758530	1.2	312.463
Sb 217.582	1.10728uv	ug/L	3.40913	307.9	6.89035
Se 196.026	-2.91512uv	ug/L	1.41096	48.4	0.638992
Si 251.611	2009.59	ug/L	3.91904	0.2	10627.4
Si 288.158	2025.66	ug/L	11.8603	0.6	24609.8
Sn 283.998	762.680	ug/L	1.30416	0.2	3422.19
Sr 421.552	77.2957	ug/L	0.012937	0.0	184499
Ti 336.122	6730.51	ug/L	6.14299	0.1	1596222
Tl 190.794	-1.02041uv	ug/L	0.912979	89.5	0.858818
V 292.401	322.476	ug/L	0.363717	0.1	12075.4
Zn 202.548	269.002	ug/L	1.15882	0.4	6431.47
Zr 339.198	23.3439	ug/L	0.892551	3.8	1302.28

360-24343-A-5-D (Samp) **9/28/2009, 1:28:52 PM** **Rack 1, Tube 23**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	42.0576	ug/L	0.107731	0.3	357.855
Al 237.312	94879.0	ug/L	474.800	0.5	362037
As 188.980	77.6902	ug/L	2.51525	3.2	82.0939
B 249.678	6.18936	ug/L	0.394374	6.4	196.734
Ba 493.408	338.930	ug/L	1.53305	0.5	830640
Be 313.042	2.48424	ug/L	0.003155	0.1	8205.08
Ca 373.690	21296.2	ug/L	139.676	0.7	101153
Cd 214.439	1.93026	ug/L	0.116030	6.0	78.3148
Co 228.615	47.0504	ug/L	0.099974	0.2	414.575
Cr 267.716	2698.44	ug/L	12.0799	0.4	126222
Cu 327.395	139.522	ug/L	0.020673	0.0	9551.99
Fe 273.955	118128	ug/L	559.377	0.5	1450046
K 404.721	16879.9	ug/L	125.150	0.7	231.498
Li 610.365	232.176	ug/L	1.10508	0.5	16964.0
Mg 279.078	32013.2	ug/L	146.269	0.5	136168
Mn 257.610	1331.97	ug/L	6.43655	0.5	393995
Mo 202.032	6.05928	ug/L	0.363415	6.0	62.6836
Na 330.237	953.500	ug/L	8.72684	0.9	135.850
Ni 216.555	125.619	ug/L	0.545328	0.4	1091.68
Pb 220.353	39.7617	ug/L	0.428544	1.1	200.419
Sb 217.582	-0.519765uv	ug/L	1.75220	337.1	3.68927
Se 196.026	0.902634uv	ug/L	2.98509	330.7	2.73392
Si 251.611	4005.66	ug/L	26.0178	0.6	21108.6
Si 288.158	4052.18	ug/L	31.2335	0.8	48736.0
Sn 283.998	1135.73	ug/L	10.6567	0.9	5092.44
Sr 421.552	69.2326	ug/L	0.287791	0.4	165255
Ti 336.122	5270.11	ug/L	15.8768	0.3	1249886
Tl 190.794	-0.583223uv	ug/L	0.971141	166.5	1.20983
V 292.401	178.702	ug/L	0.664574	0.4	6698.02
Zn 202.548	265.705	ug/L	0.240824	0.1	6353.42
Zr 339.198	26.6951	ug/L	0.094364	0.4	1488.52

360-24343-A-8-E (Samp) **9/28/2009, 1:31:44 PM** **Rack 1, Tube 24**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	4.73698	ug/L	0.190137	4.0	45.1981
Al 237.312	104220	ug/L	64.4296	0.1	396799
As 188.980	83.6874	ug/L	0.372894	0.4	88.3233
B 249.678	6.92930	ug/L	0.282625	4.1	217.678
Ba 493.408	458.503	ug/L	0.560196	0.1	1123636
Be 313.042	5.84092	ug/L	0.010567	0.2	19261.1
Ca 373.690	19593.9	ug/L	13.7610	0.1	93199.7
Cd 214.439	3.79409	ug/L	0.040060	1.1	149.637
Co 228.615	82.7054	ug/L	0.006700	0.0	722.027
Cr 267.716	666.445	ug/L	1.44196	0.2	31187.1
Cu 327.395	169.170	ug/L	1.16438	0.7	11568.2
Fe 273.955	167930	ug/L	511.338	0.3	2038579
K 404.721	22142.6	ug/L	152.873	0.7	306.828
Li 610.365	248.230	ug/L	0.045500	0.0	18137.1
Mg 279.078	41425.9	ug/L	123.155	0.3	174893
Mn 257.610	1561.98	ug/L	3.17326	0.2	462026
Mo 202.032	2.69752	ug/L	0.420843	15.6	32.3930
Na 330.237	302.080	ug/L	42.4360	14.0	51.0508
Ni 216.555	217.890	ug/L	0.414666	0.2	1890.62
Pb 220.353	40.3717	ug/L	0.576078	1.4	203.419
Sb 217.582	1.85366	ug/L	2.17248	117.2	8.35880
Se 196.026	-1.81220uv	ug/L	0.223684	12.3	1.24420
Si 251.611	3959.19	ug/L	55.5783	1.4	20864.6
Si 288.158	3993.29	ug/L	54.8603	1.4	48034.8
Sn 283.998	259.053	ug/L	0.783799	0.3	1167.33
Sr 421.552	80.3938	ug/L	0.047264	0.1	191893
Ti 336.122	5240.81	ug/L	2.94927	0.1	1242938
Tl 190.794	0.083199uv	ug/L	1.91672	2303.8	1.74489
V 292.401	235.407	ug/L	0.487377	0.2	8818.88
Zn 202.548	922.493	ug/L	13.1737	1.4	21897.3
Zr 339.198	24.3483	ug/L	0.141264	0.6	1358.10

360-24343-A-12-D (Samp) **9/28/2009, 1:34:36 PM** **Rack 1, Tube 25**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	69.9923	ug/L	1.08430	1.5	591.881
Al 237.312	176610	ug/L	127.500	0.1	666201
As 188.980	78.6012	ug/L	0.450520	0.6	83.0402
B 249.678	6.85989	ug/L	0.149620	2.2	215.713
Ba 493.408	550.626	ug/L	0.882934	0.2	1349370
Be 313.042	4.63431	ug/L	0.013936	0.3	15286.8
Ca 373.690	49374.3	ug/L	57.4110	0.1	229049
Cd 214.439	4.47303	ug/L	0.075459	1.7	175.617
Co 228.615	134.988	ug/L	0.056473	0.0	1172.86
Cr 267.716	4449.97	ug/L	8.07131	0.2	208140
Cu 327.395	448.229	ug/L	0.438964	0.1	30545.8
Fe 273.955	307122	ug/L	491.395	0.2	3683462
K 404.721	35694.5	ug/L	234.409	0.7	514.628
Li 610.365	194.778	ug/L	0.054121	0.0	14231.4
Mg 279.078	94493.3	ug/L	195.808	0.2	382075

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1922.79	ug/L	0.196889	0.0	568738
Mo 202.032	5.90318	ug/L	0.322061	5.5	61.2771
Na 330.237	4654.04	ug/L	48.5166	1.0	621.718
Ni 216.555	319.978	ug/L	0.048985	0.0	2774.59
Pb 220.353	24.4692	ug/L	0.373062	1.5	125.191
Sb 217.582	-1.95197uv	ug/L	0.462026	23.7	0.871521
Se 196.026	-2.22119uv	ug/L	1.30600	58.8	1.01978
Si 251.611	3750.71	ug/L	91.4882	2.4	19769.9
Si 288.158	3794.45	ug/L	134.278	3.5	45667.6
Sn 283.998	1838.55	ug/L	3.69160	0.2	8239.11
Sr 421.552	110.058	ug/L	0.037553	0.0	262689
Ti 336.122	9128.83	ug/L	14.1318	0.2	2164984
Tl 190.794	0.193999uv	ug/L	2.15182	1109.2	1.83385
V 292.401	488.689	ug/L	1.14633	0.2	18292.1
Zn 202.548	284.815	ug/L	2.30880	0.8	6805.70
Zr 339.198	30.7957	ug/L	0.520858	1.7	1716.42

360-24343-A-15-D (Samp) **9/28/2009, 1:37:30 PM** **Rack 1, Tube 26**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.023219uv	ug/L	0.262280	1129.6	5.31909
Al 237.312	101455	ug/L	379.810	0.4	386508
As 188.980	44.5146	ug/L	0.699689	1.6	47.6335
B 249.678	7.26519	ug/L	0.175431	2.4	227.185
Ba 493.408	398.723	ug/L	1.46803	0.4	977154
Be 313.042	2.44719	ug/L	0.010531	0.4	8083.03
Ca 373.690	43906.8	ug/L	129.622	0.3	204630
Cd 214.439	3.49313	ug/L	0.081320	2.3	138.120
Co 228.615	121.946	ug/L	0.517043	0.4	1060.40
Cr 267.716	276.898	ug/L	1.26560	0.5	12968.3
Cu 327.395	360.092	ug/L	2.24162	0.6	24552.0
Fe 273.955	222786	ug/L	845.180	0.4	2686827
K 404.721	26729.8	ug/L	383.680	1.4	374.940
Li 610.365	115.178	ug/L	0.003814	0.0	8415.16
Mg 279.078	64911.0	ug/L	189.190	0.3	268916
Mn 257.610	2286.71	ug/L	14.5967	0.6	676372
Mo 202.032	0.921845	ug/L	0.388076	42.1	16.3936
Na 330.237	1703.99	ug/L	34.4462	2.0	233.816
Ni 216.555	216.143	ug/L	0.462917	0.2	1875.50
Pb 220.353	20.3734	ug/L	1.03479	5.1	105.043
Sb 217.582	-0.245073uv	ug/L	2.37969	971.0	4.22971
Se 196.026	-3.95940uv	ug/L	0.608248	15.4	0.065964
Si 251.611	1841.18	ug/L	20.6618	1.1	9743.02
Si 288.158	1871.22	ug/L	24.5520	1.3	22771.2
Sn 283.998	93.0993	ug/L	0.651977	0.7	424.313
Sr 421.552	99.6442	ug/L	0.356315	0.4	237836
Ti 336.122	6991.45	ug/L	27.0496	0.4	1658103
Tl 190.794	0.828093uv	ug/L	2.52282	304.7	2.34295
V 292.401	322.982	ug/L	1.47207	0.5	12094.4
Zn 202.548	262.996	ug/L	2.74425	1.0	6289.32
Zr 339.198	22.3235	ug/L	0.139366	0.6	1245.57

360-24365-A-2-C (Samp) **9/28/2009, 1:40:24 PM** **Rack 1, Tube 27**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.063522uv	ug/L	0.214926	338.3	4.98144
Al 237.312	83810.4	ug/L	261.011	0.3	320845
As 188.980	46.2589	ug/L	0.673287	1.5	49.4453
B 249.678	5.28135	ug/L	0.009545	0.2	171.034
Ba 493.408	250.287	ug/L	0.679690	0.3	613432
Be 313.042	2.54531	ug/L	0.007604	0.3	8406.21
Ca 373.690	27379.4	ug/L	94.2979	0.3	129388
Cd 214.439	2.84608	ug/L	0.055123	1.9	113.360
Co 228.615	108.003	ug/L	0.225805	0.2	940.163
Cr 267.716	227.401	ug/L	1.10615	0.5	10653.3
Cu 327.395	264.443	ug/L	0.603742	0.2	18047.3
Fe 273.955	175799	ug/L	687.385	0.4	2131567
K 404.721	20469.3	ug/L	428.275	2.1	282.554
Li 610.365	100.032	ug/L	0.095019	0.1	7308.39
Mg 279.078	49106.9	ug/L	183.599	0.4	206052
Mn 257.610	1677.51	ug/L	4.67034	0.3	496193
Mo 202.032	1.78139	ug/L	0.049161	2.8	24.1384
Na 330.237	1094.71	ug/L	6.24787	0.6	154.260
Ni 216.555	163.018	ug/L	0.309586	0.2	1415.51
Pb 220.353	27.1937	ug/L	0.078048	0.3	138.594
Sb 217.582	-0.710385uv	ug/L	1.46797	206.6	3.31424
Se 196.026	-2.42763uv	ug/L	0.669714	27.6	0.906494
Si 251.611	2170.94	ug/L	20.9696	1.0	11474.6
Si 288.158	2197.08	ug/L	11.2923	0.5	26650.6
Sn 283.998	76.1748	ug/L	0.229149	0.3	348.538
Sr 421.552	65.1638	ug/L	0.193193	0.3	155545
Ti 336.122	4818.42	ug/L	7.23127	0.2	1142769
Tl 190.794	-0.268964uv	ug/L	1.95693	727.6	1.46214
V 292.401	231.040	ug/L	1.09971	0.5	8655.56
Zn 202.548	221.137	ug/L	1.56898	0.7	5298.66
Zr 339.198	20.1823	ug/L	0.117644	0.6	1126.58

360-24365-A-6-F (Samp) **9/28/2009, 1:43:18 PM** **Rack 1, Tube 28**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.057097uv	ug/L	0.545187	954.9	5.03528
Al 237.312	109097	ug/L	689.125	0.6	414951
As 188.980	57.1747	ug/L	0.143658	0.3	60.7839
B 249.678	7.25966	ug/L	0.111646	1.5	227.028
Ba 493.408	447.628	ug/L	2.91088	0.7	1096987
Be 313.042	3.24269	ug/L	0.015621	0.5	10703.2
Ca 373.690	29856.1	ug/L	223.754	0.7	140800
Cd 214.439	3.19465	ug/L	0.086272	2.7	126.698
Co 228.615	88.4252	ug/L	0.210440	0.2	771.348
Cr 267.716	181.390	ug/L	1.11850	0.6	8501.41
Cu 327.395	388.205	ug/L	1.79321	0.5	26463.9
Fe 273.955	221892	ug/L	814.907	0.4	2676268
K 404.721	28645.0	ug/L	171.933	0.6	404.049
Li 610.365	101.312	ug/L	0.559160	0.6	7401.92
Mg 279.078	51183.3	ug/L	259.196	0.5	214407

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1380.80	ug/L	7.09299	0.5	408436
Mo 202.032	1.58657	ug/L	0.186410	11.7	22.3830
Na 330.237	902.540	ug/L	3.11837	0.3	129.208
Ni 216.555	144.327	ug/L	0.523587	0.4	1253.66
Pb 220.353	20.1575	ug/L	0.624069	3.1	103.981
Sb 217.582	-1.37142uv	ug/L	0.353243	25.8	2.01370
Se 196.026	-0.785857uv	ug/L	0.345239	43.9	1.80739
Si 251.611	2423.84	ug/L	0.472843	0.0	12802.5
Si 288.158	2454.88	ug/L	12.8710	0.5	29719.7
Sn 283.998	53.4384	ug/L	0.031619	0.1	246.742
Sr 421.552	73.9401	ug/L	0.420093	0.6	176490
Ti 336.122	5904.91	ug/L	31.6820	0.5	1400430
Tl 190.794	-0.183746uv	ug/L	1.66811	907.8	1.53056
V 292.401	286.514	ug/L	1.08582	0.4	10730.4
Zn 202.548	330.285	ug/L	2.34926	0.7	7881.82
Zr 339.198	21.6900	ug/L	0.158638	0.7	1210.37

360-24365-A-9-E (Samp) **9/28/2009, 1:46:11 PM** **Rack 1, Tube 29**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.186254	ug/L	0.029261	15.7	7.07398
Al 237.312	106169	ug/L	130.030	0.1	404053
As 188.980	113.211	ug/L	0.421862	0.4	118.991
B 249.678	9.79415	ug/L	0.077508	0.8	298.765
Ba 493.408	341.075	ug/L	0.435079	0.1	835896
Be 313.042	3.00208	ug/L	0.009161	0.3	9910.70
Ca 373.690	46280.5	ug/L	107.745	0.2	215261
Cd 214.439	3.33563	ug/L	0.107568	3.2	132.093
Co 228.615	104.600	ug/L	0.329989	0.3	910.825
Cr 267.716	245.939	ug/L	0.465139	0.2	11520.3
Cu 327.395	422.286	ug/L	2.81749	0.7	28781.5
Fe 273.955	215431	ug/L	425.214	0.2	2599916
K 404.721	14692.1	ug/L	31.3185	0.2	201.065
Li 610.365	136.600	ug/L	0.182862	0.1	9980.41
Mg 279.078	46430.8	ug/L	96.9372	0.2	195241
Mn 257.610	1554.68	ug/L	3.36782	0.2	459864
Mo 202.032	4.18390	ug/L	0.383959	9.2	45.7858
Na 330.237	1886.43	ug/L	44.4543	2.4	257.676
Ni 216.555	182.090	ug/L	0.030254	0.0	1580.64
Pb 220.353	36.6877	ug/L	0.534511	1.5	185.297
Sb 217.582	-0.509140uv	ug/L	2.05630	403.9	3.71018
Se 196.026	-1.13248uv	ug/L	0.024382	2.2	1.61719
Si 251.611	3415.31	ug/L	43.7545	1.3	18008.7
Si 288.158	3441.61	ug/L	46.7640	1.4	41467.0
Sn 283.998	78.8380	ug/L	2.12123	2.7	360.462
Sr 421.552	88.1886	ug/L	0.045111	0.1	210496
Ti 336.122	6508.98	ug/L	12.7887	0.2	1543685
Tl 190.794	0.710271	ug/L	0.122103	17.2	2.24835
V 292.401	433.757	ug/L	0.934141	0.2	16237.5
Zn 202.548	294.466	ug/L	5.19799	1.8	7034.11
Zr 339.198	24.8028	ug/L	0.037132	0.1	1383.36

360-24365-A-14-E (Samp) **9/28/2009, 1:49:04 PM** **Rack 1, Tube 30**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.037652uv	ug/L	0.120291	319.5	5.82904
Al 237.312	95102.1	ug/L	230.721	0.2	362867
As 188.980	57.3950	ug/L	0.088137	0.2	61.0128
B 249.678	4.03254	ug/L	0.128510	3.2	135.687
Ba 493.408	259.060	ug/L	0.307611	0.1	634928
Be 313.042	2.97620	ug/L	0.008912	0.3	9825.46
Ca 373.690	24158.6	ug/L	81.4927	0.3	114475
Cd 214.439	2.32036	ug/L	0.086380	3.7	93.2425
Co 228.615	65.1881	ug/L	0.524477	0.8	570.976
Cr 267.716	210.093	ug/L	0.577384	0.3	9843.82
Cu 327.395	177.270	ug/L	0.166170	0.1	12119.1
Fe 273.955	166873	ug/L	162.690	0.1	2026083
K 404.721	17155.3	ug/L	513.854	3.0	235.372
Li 610.365	189.998	ug/L	0.461147	0.2	13882.2
Mg 279.078	42582.1	ug/L	128.014	0.3	179608
Mn 257.610	1379.37	ug/L	4.69408	0.3	408014
Mo 202.032	3.17123	ug/L	0.386128	12.2	36.6613
Na 330.237	1113.09	ug/L	21.6385	1.9	156.658
Ni 216.555	133.322	ug/L	0.236119	0.2	1158.38
Pb 220.353	25.0789	ug/L	0.201981	0.8	128.191
Sb 217.582	0.218626uv	ug/L	3.51648	1608.4	5.14200
Se 196.026	-0.201569uv	ug/L	2.35698	1169.3	2.12801
Si 251.611	2253.95	ug/L	8.58852	0.4	11910.4
Si 288.158	2272.04	ug/L	3.10084	0.1	27543.0
Sn 283.998	69.1567	ug/L	1.06890	1.5	317.116
Sr 421.552	61.3817	ug/L	0.184704	0.3	146518
Ti 336.122	5080.50	ug/L	4.71151	0.1	1204921
Tl 190.794	0.022982uv	ug/L	0.076076	331.0	1.69654
V 292.401	212.526	ug/L	0.926934	0.4	7963.12
Zn 202.548	266.227	ug/L	0.446495	0.2	6365.79
Zr 339.198	20.9283	ug/L	0.283107	1.4	1168.04

CCV (CCV) **9/28/2009, 1:51:58 PM** **Rack 4, Tube 2**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	986.113	ug/L	1.97186	0.2	8266.78	98.61131
Al 237.312	4952.96	ug/L	6.31217	0.1	21627.0	99.05925
As 188.980	974.086	ug/L	0.286356	0.0	1013.21	97.40861
B 249.678	982.335	ug/L	13.1057	1.3	27825.8	98.23347
Ba 493.408	997.523	ug/L	1.46126	0.1	2444431	99.75235
Be 313.042	976.266	ug/L	2.14756	0.2	3215582	97.62658
Ca 373.690	19541.5	ug/L	44.2618	0.2	92954.9	97.70767
Cd 214.439	969.701	ug/L	1.19437	0.1	37111.5	96.97014
Co 228.615	975.537	ug/L	2.29883	0.2	8420.86	97.55375
Cr 267.716	975.683	ug/L	1.38923	0.1	45650.0	97.56828
Cu 327.395	981.912	ug/L	4.90076	0.5	66839.3	98.19124
Fe 273.955	4902.92	ug/L	7.82927	0.2	77098.0	98.05830
K 404.721	20503.5	ug/L	399.841	2.0	283.048	102.51770
Li 610.365	4923.80	ug/L	11.4687	0.2	359776	98.47592
Mg 279.078	19512.2	ug/L	34.1897	0.2	83817.6	97.56097

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	979.713	ug/L	1.90169	0.2	289812	97.97133
Mo 202.032	978.043	ug/L	2.98928	0.3	8820.59	97.80431
Na 330.237	19787.6	ug/L	28.9279	0.1	2682.10	98.93782
Ni 216.555	974.062	ug/L	1.16515	0.1	8438.14	97.40617
Pb 220.353	974.708	ug/L	4.00143	0.4	4799.64	97.47079
Sb 217.582	989.430	ug/L	1.88732	0.2	1951.34	98.94301
Se 196.026	974.520	ug/L	1.91360	0.2	536.989	97.45203
Si 251.611	987.891	ug/L	14.9625	1.5	5262.48	98.78913
Si 288.158	979.006	ug/L	14.6397	1.5	12149.2	97.90062
Sn 283.998	975.630	ug/L	1.27391	0.1	4375.61	97.56295
Sr 421.552	990.790	ug/L	1.75361	0.2	2364644	99.07896
Ti 336.122	985.009	ug/L	1.22958	0.1	233672	98.50086
Tl 190.794	972.709	ug/L	4.35554	0.4	782.647	97.27095
V 292.401	983.310	ug/L	2.47474	0.3	36791.7	98.33102
Zn 202.548	962.101	ug/L	1.95102	0.2	22834.7	96.21014
Zr 339.198	964.577	ug/L	6.86615	0.7	53610.9	96.45772

CCB (CCB) **9/28/2009, 1:54:51 PM** **Rack 4, Tube 3**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.699650uv	ug/L	0.142824	20.4	-0.347778	-0.69965
Al 237.312	2.04901	ug/L	0.050586	2.5	12.9352	2.04901
As 188.980	1.09922	ug/L	1.05327	95.8	2.53677	1.09922
B 249.678	24.5518	ug/L	4.45850	18.2	716.469	24.55179
Ba 493.408	0.043962	ug/L	0.001904	4.3	245.619	0.04396
Be 313.042	0.045512	ug/L	0.000256	0.6	172.550	0.04551
Ca 373.690	1.16125	ug/L	0.270708	23.3	24.2799	1.16125
Cd 214.439	0.006390uv	ug/L	0.064510	1009.5	4.69492	0.00639
Co 228.615	-0.005073uv	ug/L	0.105915	2087.7	8.81892	-0.00507
Cr 267.716	0.026734	ug/L	0.023282	87.1	19.1738	0.02673
Cu 327.395	-0.022543uv	ug/L	0.006336	28.1	62.1914	-0.02254
Fe 273.955	3.67136	ug/L	0.996796	27.2	96.8052	3.67136
K 404.721	58.5130	ug/L	24.9365	42.6	10.8527	58.51300
Li 610.365	-0.095132uv	ug/L	0.009488	10.0	-7.75391	-0.09513
Mg 279.078	1.64211	ug/L	0.594144	36.2	14.1544	1.64211
Mn 257.610	0.039437	ug/L	0.005755	14.6	62.0665	0.03944
Mo 202.032	10.1834	ug/L	2.20660	21.7	99.8438	10.18345
Na 330.237	-23.7339uv	ug/L	25.3860	107.0	8.71936	-23.73393
Ni 216.555	0.087608	ug/L	0.020214	23.1	4.72621	0.08761
Pb 220.353	0.311157	ug/L	0.206723	66.4	6.35234	0.31116
Sb 217.582	0.694804	ug/L	0.186186	26.8	6.07884	0.69480
Se 196.026	2.74799	ug/L	1.19210	43.4	3.74652	2.74799
Si 251.611	1.06110uv	ug/L	4.08232	384.7	80.7128	1.06110
Si 288.158	0.663603uv	ug/L	4.20582	633.8	501.777	0.66360
Sn 283.998	0.978950	ug/L	0.258744	26.4	11.8684	0.97895
Sr 421.552	0.047575	ug/L	0.001157	2.4	138.194	0.04758
Ti 336.122	0.678832	ug/L	0.384146	56.6	237.494	0.67883
Tl 190.794	1.41212	ug/L	0.116278	8.2	2.81186	1.41212
V 292.401	0.093713	ug/L	0.000009	0.0	17.7860	0.09371
Zn 202.548	-0.779155uv	ug/L	0.093999	12.1	46.6852	-0.77916
Zr 339.198	0.620137	ug/L	0.187196	30.2	39.4217	0.62014

360-24365-A-16-G (Samp) **9/28/2009, 1:57:45 PM** **Rack 1, Tube 31**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	4.55213	ug/L	0.181719	4.0	43.6496
Al 237.312	57219.8	ug/L	342.969	0.6	221887
As 188.980	110.734	ug/L	1.38173	1.2	116.418
B 249.678	13.3385	ug/L	0.586231	4.4	399.086
Ba 493.408	178.659	ug/L	0.965906	0.5	437917
Be 313.042	2.26643	ug/L	0.009607	0.4	7487.67
Ca 373.690	10650.3	ug/L	78.3867	0.7	51041.5
Cd 214.439	1.52015	ug/L	0.024846	1.6	62.6210
Co 228.615	25.2553	ug/L	0.588200	2.3	226.637
Cr 267.716	372.338	ug/L	2.30038	0.6	17431.9
Cu 327.395	117.840	ug/L	0.670686	0.6	8077.51
Fe 273.955	113991	ug/L	972.228	0.9	1401162
K 404.721	10169.7	ug/L	383.159	3.8	139.807
Li 610.365	64.7055	ug/L	0.353942	0.5	4727.16
Mg 279.078	12691.0	ug/L	74.5231	0.6	54809.4
Mn 257.610	465.094	ug/L	2.11126	0.5	137607
Mo 202.032	7.87137	ug/L	0.930085	11.8	79.0112
Na 330.237	492.649	ug/L	19.4863	4.0	75.8354
Ni 216.555	73.3906	ug/L	0.607767	0.8	639.440
Pb 220.353	98.0802	ug/L	0.384169	0.4	487.301
Sb 217.582	-0.139006uv	ug/L	0.812813	584.7	4.43839
Se 196.026	-0.022906uv	ug/L	3.15175	13759.3	2.22604
Si 251.611	3268.22	ug/L	3.58094	0.1	17236.3
Si 288.158	3297.66	ug/L	4.63555	0.1	39753.2
Sn 283.998	144.424	ug/L	2.80999	1.9	654.105
Sr 421.552	32.3997	ug/L	0.167614	0.5	77349.8
Ti 336.122	3078.71	ug/L	26.1013	0.8	730195
Tl 190.794	-0.599614uv	ug/L	0.805161	134.3	1.19667
V 292.401	159.749	ug/L	0.954652	0.6	5989.18
Zn 202.548	120.048	ug/L	0.830416	0.7	2906.24
Zr 339.198	79.0801	ug/L	10.2033	12.9	4399.80

icsa (Samp) **9/28/2009, 3:00:01 PM** **Rack 1, Tube 32**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.146286uv	ug/L	0.589388	402.9	6.73914
Al 237.312	114843	ug/L	249.813	0.2	436335
As 188.980	1.12502	ug/L	0.331169	29.4	2.56357
B 249.678	6.57553	ug/L	0.033240	0.5	207.664
Ba 493.408	0.396663	ug/L	0.000263	0.1	1109.86
Be 313.042	0.011112	ug/L	0.000284	2.6	59.2473
Ca 373.690	105153	ug/L	216.822	0.2	464858
Cd 214.439	0.624182	ug/L	0.031843	5.1	28.3356
Co 228.615	1.55920	ug/L	0.022708	1.5	22.3076
Cr 267.716	0.420803	ug/L	0.060399	14.4	37.6041
Cu 327.395	0.951727	ug/L	0.198126	20.8	128.447
Fe 273.955	44584.1	ug/L	41.3464	0.1	580954
K 404.721	1797.96	ug/L	482.589	26.8	32.2532
Li 610.365	0.955273	ug/L	0.114539	12.0	68.9980
Mg 279.078	110890	ug/L	161.176	0.1	442661

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	3.36566	ug/L	0.000230	0.0	1045.83
Mo 202.032	0.732193	ug/L	0.339410	46.4	14.6848
Na 330.237	37.4711uv	ug/L	63.2980	168.9	16.6679
Ni 216.555	5.00597	ug/L	0.246088	4.9	47.3132
Pb 220.353	-1.49782uv	ug/L	0.028478	1.9	-2.54645
Sb 217.582	0.003374uv	ug/L	1.01689	30141.2	4.71851
Se 196.026	0.346014uv	ug/L	1.45257	419.8	2.42848
Si 251.611	-6.73288uv	ug/L	0.201798	3.0	39.7872
Si 288.158	-6.36449uv	ug/L	0.022679	0.4	418.106
Sn 283.998	2.11511	ug/L	0.733026	34.7	16.9552
Sr 421.552	0.599594	ug/L	0.001769	0.3	1455.64
Ti 336.122	1.50454	ug/L	0.073797	4.9	433.310
Tl 190.794	1.56463	ug/L	1.73217	110.7	2.93430
V 292.401	2.20856	ug/L	0.015462	0.7	96.8848
Zn 202.548	-0.641578uv	ug/L	1.63862	255.4	49.9412
Zr 339.198	0.635077	ug/L	0.005697	0.9	40.2519

icsab (Samp) **9/28/2009, 3:02:54 PM** **Rack 1, Tube 33**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	608.825	ug/L	0.893465	0.1	5106.00
Al 237.312	113519	ug/L	121.396	0.1	431405
As 188.980	1982.35	ug/L	0.223388	0.0	2060.52
B 249.678	4.50795	ug/L	0.276928	6.1	149.143
Ba 493.408	588.437	ug/L	0.289377	0.0	1442020
Be 313.042	190.465	ug/L	0.125407	0.1	627363
Ca 373.690	105393	ug/L	946.148	0.9	465829
Cd 214.439	576.716	ug/L	1.31745	0.2	22073.3
Co 228.615	576.323	ug/L	0.217820	0.0	4978.46
Cr 267.716	571.051	ug/L	0.406034	0.1	26725.6
Cu 327.395	594.850	ug/L	4.32136	0.7	40516.9
Fe 273.955	43944.0	ug/L	29.0356	0.1	573389
K 404.721	42884.6	ug/L	36.0680	0.1	632.961
Li 610.365	0.910901	ug/L	0.032850	3.6	65.7559
Mg 279.078	108251	ug/L	108.127	0.1	432926
Mn 257.610	384.317	ug/L	0.125591	0.0	113717
Mo 202.032	0.324421	ug/L	0.086864	26.8	11.0106
Na 330.237	-88.2236uv	ug/L	22.8029	25.8	0.345215
Ni 216.555	576.879	ug/L	1.23269	0.2	4999.03
Pb 220.353	1884.53	ug/L	6.53988	0.3	9275.25
Sb 217.582	942.543	ug/L	2.68954	0.3	1859.09
Se 196.026	980.183	ug/L	2.29857	0.2	540.096
Si 251.611	-6.96194uv	ug/L	0.377952	5.4	38.5845
Si 288.158	-5.50952uv	ug/L	0.256531	4.7	428.284
Sn 283.998	246.527	ug/L	1.29558	0.5	1111.24
Sr 421.552	0.623628	ug/L	0.001480	0.2	1513.00
Ti 336.122	1.58865	ug/L	0.079394	5.0	453.258
Tl 190.794	1880.22	ug/L	5.30822	0.3	1511.27
V 292.401	589.703	ug/L	0.110701	0.0	22070.2
Zn 202.548	558.773	ug/L	2.91496	0.5	13289.3
Zr 339.198	1.58871	ug/L	0.105678	6.7	93.2495

CCV (CCV) **9/28/2009, 3:26:02 PM** **Rack 4, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	988.037	ug/L	0.201765	0.0	8282.90	98.80373
Al 237.312	4948.05	ug/L	6.76378	0.1	21605.9	98.96105
As 188.980	982.063	ug/L	5.72492	0.6	1021.49	98.20634
B 249.678	1010.82	ug/L	13.8094	1.4	28632.1	101.08220
Ba 493.408	992.068	ug/L	1.22440	0.1	2431063	99.20680
Be 313.042	992.676	ug/L	0.813017	0.1	3269631	99.26756
Ca 373.690	19801.7	ug/L	26.7900	0.1	94171.9	99.00845
Cd 214.439	987.935	ug/L	0.644355	0.1	37809.2	98.79353
Co 228.615	988.585	ug/L	1.13494	0.1	8533.37	98.85854
Cr 267.716	986.302	ug/L	0.965971	0.1	46146.6	98.63017
Cu 327.395	979.548	ug/L	0.750912	0.1	66678.5	97.95482
Fe 273.955	4945.86	ug/L	1.43631	0.0	77754.6	98.91726
K 404.721	20475.5	ug/L	59.8417	0.3	282.639	102.37750
Li 610.365	4956.79	ug/L	7.44465	0.2	362186	99.13575
Mg 279.078	19741.0	ug/L	31.5740	0.2	84785.3	98.70512
Mn 257.610	987.632	ug/L	1.29993	0.1	292154	98.76319
Mo 202.032	985.975	ug/L	2.86490	0.3	8892.05	98.59747
Na 330.237	19759.4	ug/L	4.47328	0.0	2678.15	98.79688
Ni 216.555	983.830	ug/L	1.27688	0.1	8522.72	98.38302
Pb 220.353	985.675	ug/L	0.559807	0.1	4853.59	98.56749
Sb 217.582	993.407	ug/L	1.26165	0.1	1959.16	99.34068
Se 196.026	987.828	ug/L	1.32060	0.1	544.292	98.78284
Si 251.611	1000.12	ug/L	9.84231	1.0	5326.67	100.01160
Si 288.158	993.388	ug/L	8.72429	0.9	12320.4	99.33884
Sn 283.998	983.824	ug/L	0.116657	0.0	4412.30	98.38242
Sr 421.552	991.115	ug/L	1.18750	0.1	2365420	99.11147
Ti 336.122	987.536	ug/L	5.60053	0.6	234271	98.75356
Tl 190.794	981.197	ug/L	3.31491	0.3	789.462	98.11969
V 292.401	993.628	ug/L	0.721263	0.1	37177.6	99.36279
Zn 202.548	981.949	ug/L	0.172202	0.0	23304.4	98.19493
Zr 339.198	1001.82	ug/L	0.020846	0.0	55680.7	100.18220

CCB (CCB) **9/28/2009, 3:28:55 PM** **Rack 4, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.299245uv	ug/L	0.060470	20.2	3.00665	-0.29925
Al 237.312	0.946048	ug/L	0.483036	51.1	8.04193	0.94605
As 188.980	2.68350	ug/L	1.00116	37.3	4.18240	2.68350
B 249.678	31.4103	ug/L	4.84632	15.4	910.594	31.41029
Ba 493.408	0.076424	ug/L	0.003806	5.0	325.162	0.07642
Be 313.042	0.079175	ug/L	0.001278	1.6	283.427	0.07918
Ca 373.690	2.53284	ug/L	0.027578	1.1	30.9082	2.53284
Cd 214.439	0.057463	ug/L	0.015838	27.6	6.64929	0.05746
Co 228.615	0.169065uv	ug/L	0.302934	179.2	10.3205	0.16907
Cr 267.716	0.185130	ug/L	0.017365	9.4	26.5819	0.18513
Cu 327.395	0.135894	ug/L	0.072272	53.2	72.9661	0.13589
Fe 273.955	3.03398	ug/L	0.526305	17.3	86.5175	3.03398
K 404.721	212.008uv	ug/L	457.078	215.6	12.7327	212.00751
Li 610.365	-0.221123uv	ug/L	0.032302	14.6	-16.9600	-0.22112
Mg 279.078	2.79215	ug/L	0.061301	2.2	19.1695	2.79215

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	0.076855	ug/L	0.007981	10.4	73.1331	0.07685
Mo 202.032	10.7903	ug/L	2.40478	22.3	105.312	10.79030
Na 330.237	-26.1095uv	ug/L	36.4405	139.6	8.41089	-26.10949
Ni 216.555	0.052881uv	ug/L	0.148556	280.9	4.42552	0.05288
Pb 220.353	0.240388	ug/L	0.142726	59.4	6.00421	0.24039
Sb 217.582	-0.152260uv	ug/L	0.358651	235.6	4.41231	-0.15226
Se 196.026	1.79989	ug/L	1.07218	59.6	3.22627	1.79989
Si 251.611	1.42391	ug/L	0.784728	55.1	82.6179	1.42391
Si 288.158	1.43334	ug/L	0.725947	50.6	510.941	1.43334
Sn 283.998	2.21828	ug/L	0.012647	0.6	17.4171	2.21828
Sr 421.552	0.079991	ug/L	0.005066	6.3	215.557	0.07999
Ti 336.122	0.316145	ug/L	0.154765	49.0	151.482	0.31614
Tl 190.794	2.80589	ug/L	0.417470	14.9	3.93089	2.80589
V 292.401	0.332795	ug/L	0.106126	31.9	26.7281	0.33279
Zn 202.548	-0.767795uv	ug/L	0.052394	6.8	46.9541	-0.76779
Zr 339.198	0.673851	ug/L	0.114868	17.0	42.4068	0.67385

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Blank (Blk) **10/12/2009, 10:22:46 AM** **Rack 0, Tube 1**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	0.000000	ug/L	0.470	11.6	4.05566
Al 237.312	0.000000	ug/L	5.330	76.6	6.95770
As 188.980	0.000000	ug/L	0.170	16.4	1.03394
B 249.678	0.000000	ug/L	2.092	16.8	12.4218
Ba 493.408	0.000000	ug/L	17.225	5.0	344.426
Be 313.042	0.000000	ug/L	3.973	2.6	155.197
Ca 373.690	0.000000	ug/L	0.767	1.7	43.9832
Cd 214.439	0.000000	ug/L	0.215	6.6	3.27458
Co 228.615	0.000000	ug/L	1.714	15.4	11.1485
Cr 267.716	0.000000	ug/L	1.870	9.5	19.6165
Cu 327.395	0.000000	ug/L	2.291	3.1	73.0808
Fe 273.955	0.000000	ug/L	0.100	0.2	48.1412
K 404.721	0.000000	ug/L	1.640	12.7	12.8739
Li 610.365	0.000000	ug/L	12.452	60.1	20.7148
Mg 279.078	0.000000	ug/L	2.059	17.7	11.6466
Mn 257.610	0.000000	ug/L	1.612	2.8	58.2593
Mo 202.032	0.000000	ug/L	0.602	9.3	6.46400
Na 330.237	0.000000	ug/L	1.931	20.1	9.62012
Ni 216.555	0.000000	ug/L	3.256	73.5	4.42857
Pb 220.353	0.000000	ug/L	0.161	2.1	7.58261
Sb 217.582	0.000000	ug/L	1.046	36.0	2.90324
Se 196.026	0.000000	ug/L	1.203	44.6	2.69693
Si 251.611	0.000000	ug/L	1.587	2.5	62.9182
Si 288.158	0.000000	ug/L	6.031	1.2	500.099
Sn 283.998	0.000000	ug/L	1.066	17.0	6.28253
Sr 421.552	0.000000	ug/L	7.032	13.0	53.9002
Ti 336.122	0.000000	ug/L	0.150	0.4	35.9880
Tl 190.794	0.000000	ug/L	0.515	32.1	1.60418
V 292.401	0.000000	ug/L	4.169	31.7	13.1343
Zn 202.548	0.000000	ug/L	2.324	3.3	71.4687
Zr 339.198	0.000000	ug/L	2.468	40.8	6.05017

Standard 1 (Std) **10/12/2009, 10:25:39 AM** **Rack 0, Tube 2**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	1000.00	ug/L	32.836	0.4	9070.58
Al 237.312	5000.00	ug/L	78.320	0.3	23596.8
As 188.980	1000.00	ug/L	1.121	0.1	1126.46
B 249.678	1000.00	ug/L	413.646	1.4	30521.4
Ba 493.408	1000.00	ug/L	10021.470	0.4	2625306
Be 313.042	1000.00	ug/L	6366.436	0.2	3543606
Ca 373.690	20000.0	ug/L	265.701	0.3	106103
Cd 214.439	1000.00	ug/L	69.669	0.2	40764.9
Co 228.615	1000.00	ug/L	21.431	0.2	9432.23
Cr 267.716	1000.00	ug/L	212.864	0.4	49888.6
Cu 327.395	1000.00	ug/L	165.038	0.2	72109.8
Fe 273.955	5000.00	ug/L	300.813	0.4	83382.6
K 404.721	20000.0	ug/L	3.857	1.3	287.518
Li 610.365	5000.00	ug/L	1144.408	0.3	403406
Mg 279.078	20000.0	ug/L	341.599	0.4	92954.2
Mn 257.610	1000.00	ug/L	863.289	0.3	319765
Mo 202.032	1000.00	ug/L	20.418	0.2	9876.28
Na 330.237	20000.0	ug/L	13.174	0.4	2949.47

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ni 216.555	1000.00	ug/L	26.455	0.3	9015.20
Pb 220.353	1000.00	ug/L	14.818	0.3	5274.89
Sb 217.582	1000.00	ug/L	11.270	0.5	2099.91
Se 196.026	1000.00	ug/L	2.510	0.4	623.099
Si 251.611	1000.00	ug/L	68.645	1.2	5594.35
Si 288.158	1000.00	ug/L	156.779	1.2	13599.5
Sn 283.998	1000.00	ug/L	7.448	0.2	4945.46
Sr 421.552	1000.00	ug/L	12517.730	0.5	2590400
Ti 336.122	1000.00	ug/L	856.616	0.3	255542
Tl 190.794	1000.00	ug/L	0.437	0.0	878.398
V 292.401	1000.00	ug/L	172.901	0.4	41219.8
Zn 202.548	1000.00	ug/L	42.279	0.2	25991.4
Zr 339.198	1000.00	ug/L	374.490	0.6	60987.2

Standard 2 (Std) **10/12/2009, 10:28:32 AM** **Rack 0, Tube 3**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	25000.0	ug/L	7.579	0.0	111677
Ca 373.690	100000	ug/L	898.490	0.2	485950
Fe 273.955	25000.0	ug/L	266.093	0.1	381406
K 404.721	100000	ug/L	6.932	0.4	1858.24
Mg 279.078	100000	ug/L	254.669	0.1	440240
Na 330.237	100000	ug/L	14.736	0.1	17105.4

RB (ICV) **10/12/2009, 10:31:25 AM** **Rack 0, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.073822uv	ug/L	0.133819	181.3	3.38635	-
Al 237.312	0.716451	ug/L	0.078558	11.0	10.3829	-
As 188.980	3.25961	ug/L	1.34536	41.3	4.70238	-
B 249.678	4.11542	ug/L	0.597135	14.5	137.979	-
Ba 493.408	0.173802	ug/L	0.121599	70.0	800.648	-
Be 313.042	0.185095	ug/L	0.112702	60.9	811.074	-
Ca 373.690	2.69522	ug/L	2.19616	81.5	58.5748	-
Cd 214.439	0.283654	ug/L	0.097562	34.4	14.8368	-
Co 228.615	0.240091	ug/L	0.064845	27.0	13.4105	-
Cr 267.716	0.179643	ug/L	0.139728	77.8	28.5751	-
Cu 327.395	0.076509uv	ug/L	0.112912	147.6	78.5923	-
Fe 273.955	2.30980	ug/L	1.12262	48.6	87.4536	-
K 404.721	-78.1927uv	ug/L	295.468	377.9	11.8929	-
Li 610.365	-0.496288uv	ug/L	0.069330	14.0	-19.3242	-
Mg 279.078	3.76806	ug/L	2.00073	53.1	29.3878	-
Mn 257.610	0.190097	ug/L	0.107169	56.4	119.035	-
Mo 202.032	1.87490	ug/L	0.701036	37.4	24.9689	-
Na 330.237	-18.8939uv	ug/L	2.74987	14.6	6.95606	-
Ni 216.555	0.378618	ug/L	0.238338	62.9	7.84021	-
Pb 220.353	0.123703	ug/L	0.023663	19.1	8.23419	-
Sb 217.582	0.562545	ug/L	0.203453	36.2	4.08290	-
Se 196.026	6.92709	ug/L	2.89597	41.8	6.99451	-
Si 251.611	-1.64788uv	ug/L	0.750941	45.6	53.8031	-
Si 288.158	-1.28186uv	ug/L	1.04875	81.8	483.307	-
Sn 283.998	0.896476	ug/L	0.006519	0.7	10.7104	-
Sr 421.552	0.203966	ug/L	0.117527	57.6	582.243	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 336.122	0.146031	ug/L	0.078538	53.8	73.2998	-
Tl 190.794	2.97961	ug/L	0.207081	6.9	4.21668	-
V 292.401	0.296414	ug/L	0.039498	13.3	25.3485	-
Zn 202.548	-0.205428uv	ug/L	0.147250	71.7	66.1440	-
Zr 339.198	0.308747	ug/L	0.181423	58.8	24.8779	-

IPC (ICV) **10/12/2009, 10:34:18 AM** **Rack 0, Tube 5**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	997.279	ug/L	0.682809	0.1	9045.90	99.72786
Al 237.312	4990.31	ug/L	3.10015	0.1	23551.7	99.80619
As 188.980	994.310	ug/L	1.88006	0.2	1120.05	99.43104
B 249.678	1007.27	ug/L	4.99834	0.5	30743.1	100.72660
Ba 493.408	997.886	ug/L	0.420967	0.0	2619756	99.78859
Be 313.042	996.004	ug/L	0.526057	0.1	3529447	99.60044
Ca 373.690	19902.6	ug/L	9.53904	0.0	105597	99.51307
Cd 214.439	993.995	ug/L	1.42846	0.1	40520.1	99.39950
Co 228.615	995.313	ug/L	0.351741	0.0	9388.08	99.53136
Cr 267.716	994.267	ug/L	0.832482	0.1	49602.8	99.42672
Cu 327.395	994.928	ug/L	0.516735	0.1	71744.5	99.49280
Fe 273.955	4974.19	ug/L	2.66442	0.1	82961.5	99.48381
K 404.721	20235.5	ug/L	157.077	0.8	291.033	101.17730
Li 610.365	4960.07	ug/L	5.54671	0.1	400185	99.20145
Mg 279.078	19859.8	ug/L	9.35259	0.0	92311.0	99.29877
Mn 257.610	995.367	ug/L	0.135043	0.0	318284	99.53666
Mo 202.032	998.560	ug/L	0.030642	0.0	9862.07	99.85600
Na 330.237	19958.2	ug/L	16.4554	0.1	2943.07	99.79102
Ni 216.555	998.252	ug/L	4.89135	0.5	8999.45	99.82522
Pb 220.353	995.145	ug/L	0.083425	0.0	5249.32	99.51454
Sb 217.582	999.248	ug/L	1.46406	0.1	2098.33	99.92477
Se 196.026	997.437	ug/L	3.85521	0.4	621.509	99.74371
Si 251.611	994.887	ug/L	6.88372	0.7	5566.06	99.48867
Si 288.158	995.359	ug/L	7.19338	0.7	13538.7	99.53585
Sn 283.998	997.971	ug/L	0.980256	0.1	4935.44	99.79704
Sr 421.552	998.015	ug/L	0.113722	0.0	2585259	99.80153
Ti 336.122	995.507	ug/L	0.773053	0.1	254394	99.55074
Tl 190.794	993.745	ug/L	2.44656	0.2	872.913	99.37445
V 292.401	995.772	ug/L	0.461233	0.0	41045.6	99.57717
Zn 202.548	993.415	ug/L	1.14952	0.1	25820.7	99.34145
Zr 339.198	1014.95	ug/L	1.27969	0.1	61898.8	101.49490

ICV (ICV) **10/12/2009, 10:37:11 AM** **Rack 0, Tube 6**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	1009.23	ug/L	0.658813	0.1	9154.26	100.92300
Al 237.312	1007.63	ug/L	0.243845	0.0	4811.44	100.76300
As 188.980	989.373	ug/L	1.05911	0.1	1114.50	98.93733
B 249.678	1012.36	ug/L	0.932652	0.1	30898.4	101.23560
Ba 493.408	1004.88	ug/L	0.454630	0.0	2638112	100.48790
Be 313.042	1004.11	ug/L	1.86535	0.2	3558178	100.41130
Ca 373.690	10022.5	ug/L	12.2107	0.1	53747.6	100.22470

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cd 214.439	1006.76	ug/L	0.074793	0.0	41040.3	100.67560
Co 228.615	1010.36	ug/L	1.16955	0.1	9529.81	101.03570
Cr 267.716	995.130	ug/L	2.32740	0.2	49645.8	99.51295
Cu 327.395	999.208	ug/L	3.23597	0.3	72052.8	99.92084
Fe 273.955	994.047	ug/L	0.067759	0.0	16897.1	99.40474
K 404.721	9346.51	ug/L	8.92584	0.1	135.346	93.46510
Li 610.365	10017.4	ug/L	1.62345	0.0	808197	100.17420
Mg 279.078	9929.95	ug/L	9.56597	0.1	46463.4	99.29949
Mn 257.610	1005.72	ug/L	1.38357	0.1	321593	100.57170
Mo 202.032	991.475	ug/L	0.888760	0.1	9792.14	99.14750
Na 330.237	9275.39	ug/L	22.2214	0.2	1343.23	92.75394
Ni 216.555	1015.40	ug/L	0.032541	0.0	9153.97	101.54010
Pb 220.353	1010.59	ug/L	0.981551	0.1	5330.69	101.05930
Sb 217.582	962.260	ug/L	0.994757	0.1	2020.76	96.22598
Se 196.026	1000.50	ug/L	3.72500	0.4	623.409	100.05010
Si 251.611	584.999	ug/L	26.5103	4.5	3298.80	116.99980Q
Si 288.158	580.642	ug/L	25.2572	4.3	8106.13	116.12830Q
Sn 283.998	1002.82	ug/L	1.18150	0.1	4959.38	100.28190
Sr 421.552	995.676	ug/L	1.40649	0.1	2579199	99.56761
Ti 336.122	980.747	ug/L	0.953929	0.1	250623	98.07469
Tl 190.794	1001.30	ug/L	1.02989	0.1	879.541	100.13040
V 292.401	1005.75	ug/L	1.33554	0.1	41456.7	100.57470
Zn 202.548	1010.91	ug/L	0.069485	0.0	26274.2	101.09100
Zr 339.198	1024.64	ug/L	3.16088	0.3	62489.6	102.46380

ICB (ICB) **10/12/2009, 10:40:05 AM** **Rack 0, Tube 7**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.302311uv	ug/L	0.116234	38.4	1.31476	-0.30231
Al 237.312	0.259869	ug/L	0.299569	115.3	8.20007	0.25987
As 188.980	1.58195	ug/L	1.62332	102.6	2.81430	1.58195
B 249.678	20.1374	ug/L	3.39618	16.9	626.794	20.13741
Ba 493.408	0.039105	ug/L	0.037995	97.2	447.075	0.03911
Be 313.042	0.060525	ug/L	0.033717	55.7	369.663	0.06052
Ca 373.690	2.01631	ug/L	0.715322	35.5	54.8993	2.01631
Cd 214.439	0.071816	ug/L	0.032077	44.7	6.20192	0.07182
Co 228.615	0.051965uv	ug/L	0.279918	538.7	11.6381	0.05196
Cr 267.716	0.021974uv	ug/L	0.089889	409.1	20.7123	0.02197
Cu 327.395	-0.052382uv	ug/L	0.062658	119.6	69.3074	-0.05238
Fe 273.955	-0.143289uv	ug/L	0.134313	93.7	45.7024	-0.14329
K 404.721	369.755	ug/L	287.648	77.8	17.5255	369.75479
Li 610.365	-0.248059uv	ug/L	0.070751	28.5	0.702148	-0.24806
Mg 279.078	0.846459	ug/L	0.785632	92.8	15.6320	0.84646
Mn 257.610	0.060285	ug/L	0.039659	65.8	77.5329	0.06029
Mo 202.032	7.49816	ug/L	2.15104	28.7	80.4695	7.49816
Na 330.237	-37.9913uv	ug/L	21.4762	56.5	4.26331	-37.99129
Ni 216.555	-0.068828uv	ug/L	0.119602	173.8	3.80838	-0.06883
Pb 220.353	0.047242uv	ug/L	0.601257	1272.7	7.83145	0.04724
Sb 217.582	4.31965	ug/L	1.69983	39.4	11.9616	4.31965
Se 196.026	2.63009	ug/L	0.354191	13.5	4.32864	2.63009
Si 251.611	-1.05049uv	ug/L	1.10264	105.0	57.1074	-1.05049
Si 288.158	-0.762156uv	ug/L	0.547815	71.9	490.115	-0.76216
Sn 283.998	1.45131	ug/L	0.516833	35.6	13.4508	1.45131

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sr 421.552	0.070575	ug/L	0.041650	59.0	236.713	0.07057
Ti 336.122	0.406690	ug/L	0.126162	31.0	139.900	0.40669
Tl 190.794	0.215127uv	ug/L	0.538887	250.5	1.79280	0.21513
V 292.401	0.054783	ug/L	0.044626	81.5	15.3917	0.05478
Zn 202.548	0.320432	ug/L	0.016399	5.1	79.7743	0.32043
Zr 339.198	0.193543	ug/L	0.100037	51.7	17.8527	0.19354

CRI-RL (CRI) **10/12/2009, 10:42:58 AM** **Rack 0, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	3.14520	ug/L	0.343733	10.9	32.5717	62.90405R
Al 237.312	105.134	ug/L	1.53101	1.5	509.438	105.13380
As 188.980	10.4835	ug/L	0.414198	4.0	12.8323	104.83490
B 249.678	16.2591	ug/L	0.481686	3.0	508.471	162.59100R
Ba 493.408	11.3551	ug/L	0.054091	0.5	30151.0	113.55060
Be 313.042	1.01361	ug/L	0.002672	0.3	3746.86	101.36070
Ca 373.690	419.976	ug/L	0.105306	0.0	2316.73	104.99400
Cd 214.439	1.02763	ug/L	0.039700	3.9	45.1626	102.76330
Co 228.615	10.8322	ug/L	0.226865	2.1	113.200	108.32210
Cr 267.716	5.17876	ug/L	0.040644	0.8	277.876	103.57530
Cu 327.395	11.0293	ug/L	0.226408	2.1	867.594	110.29280
Fe 273.955	106.333	ug/L	0.666754	0.6	1857.13	106.33300
K 404.721	3700.19	ug/L	426.500	11.5	60.1315	92.50471
Li 610.365	84.7193	ug/L	0.494503	0.6	6855.62	-R
Mg 279.078	429.000	ug/L	0.883193	0.2	2030.96	107.24990
Mn 257.610	10.8546	ug/L	0.010465	0.1	3528.53	108.54560
Mo 202.032	12.1410	ug/L	0.719638	5.9	126.294	121.41040
Na 330.237	1991.75	ug/L	37.7332	1.9	291.647	99.58739
Ni 216.555	10.9248	ug/L	0.036533	0.3	102.869	109.24790
Pb 220.353	5.77961	ug/L	0.605108	10.5	38.0256	115.59230
Sb 217.582	12.0292	ug/L	0.099345	0.8	28.1284	120.29150
Se 196.026	9.00406	ug/L	0.013287	0.1	8.28307	90.04063
Si 251.611	97.6845	ug/L	1.81519	1.9	603.253	97.68449
Si 288.158	99.6351	ug/L	2.02475	2.0	1805.26	99.63515
Sn 283.998	31.6538	ug/L	0.374824	1.2	162.626	63.30751R
Sr 421.552	22.4013	ug/L	0.187639	0.8	58081.1	112.00660
Ti 336.122	10.6976	ug/L	0.028026	0.3	2769.29	106.97610
Tl 190.794	11.1323	ug/L	0.567806	5.1	11.3649	111.32340
V 292.401	10.5052	ug/L	0.000285	0.0	446.019	105.05200
Zn 202.548	52.2646	ug/L	0.072347	0.1	1426.17	104.52920
Zr 339.198	11.4397	ug/L	0.032256	0.3	703.657	-R

CRI2-MCP (CRI) **10/12/2009, 10:45:53 AM** **Rack 0, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	7.04734	ug/L	0.689285	9.8	67.9505	100.67620
Al 237.312	-0.944235uv	ug/L	0.233650	24.7	2.44354	-
As 188.980	51.5234	ug/L	0.740031	1.4	59.0196	103.04690
B 249.678	3.31391	ug/L	0.005921	0.2	113.526	-
Ba 493.408	2206.88	ug/L	0.076304	0.0	5793308	110.34380
Be 313.042	4.19171	ug/L	0.002452	0.1	15008.3	104.79260

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ca 373.690	14.8901	ug/L	0.342667	2.3	124.596	-
Cd 214.439	5.24656	ug/L	0.011571	0.2	217.133	104.93130
Co 228.615	-0.061291uv	ug/L	0.091843	149.8	10.5711	-
Cr 267.716	108.346	ug/L	0.229630	0.2	5422.71	108.34560
Cu 327.395	-0.022856uv	ug/L	0.069665	304.8	71.4343	-
Fe 273.955	-1.40745uv	ug/L	0.169012	12.0	24.1864	-
K 404.721	199.117uv	ug/L	307.024	154.2	15.3783	-
Li 610.365	-0.176412uv	ug/L	0.048000	27.2	6.48242	-
Mg 279.078	0.097976	ug/L	0.128128	130.8	12.1079	-
Mn 257.610	-0.047703uv	ug/L	0.011024	23.1	43.0083	-
Mo 202.032	1.06010	ug/L	0.424423	40.0	16.9270	-
Na 330.237	318.550	ug/L	36.7026	11.5	54.5667	-
Ni 216.555	112.325	ug/L	0.346216	0.3	1016.56	112.32470
Pb 220.353	17.0415	ug/L	0.004645	0.0	97.3453	113.60990
Sb 217.582	7.35354	ug/L	0.078424	1.1	18.3236	122.55890
Se 196.026	51.1979	ug/L	3.39442	6.6	34.4602	102.39570
Si 251.611	-1.84239uv	ug/L	1.14834	62.3	52.7271	-
Si 288.158	-1.29711uv	ug/L	1.68470	129.9	483.108	-
Sn 283.998	51.3224	ug/L	0.930786	1.8	259.773	-
Sr 421.552	-0.001529uv	ug/L	0.003511	229.6	49.9387	-
Ti 336.122	-0.026203uv	ug/L	0.073268	279.6	29.2930	-
Tl 190.794	2.77636	ug/L	0.560619	20.2	4.03848	138.81810R
V 292.401	52.6710	ug/L	0.042239	0.1	2183.53	105.34190
Zn 202.548	958.318	ug/L	3.00469	0.3	24911.0	106.47980
Zr 339.198	-0.010555uv	ug/L	0.068718	651.0	5.40649	-

Interf Check A (ICSA) **10/12/2009, 10:48:47 AM** **Rack 0, Tube 10**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.368304	ug/L	0.163846	44.5	7.39490	0.36830
Al 237.312	111828	ug/L	139.908	0.1	472257	1828.00000K
As 188.980	1.98065	ug/L	2.08636	105.3	3.26301	1.98065
B 249.678	2.32297	ug/L	0.740486	31.9	83.2932	2.32297
Ba 493.408	0.295699	ug/L	0.029816	10.1	1120.62	0.29570
Be 313.042	0.003930	ug/L	0.001215	30.9	169.125	0.00393
Ca 373.690	107579	ug/L	142.869	0.1	518571	7578.79688K
Cd 214.439	0.852954	ug/L	0.060126	7.0	38.0424	0.85295
Co 228.615	1.74211	ug/L	0.251266	14.4	27.5611	1.74211
Cr 267.716	0.299567	ug/L	0.021489	7.2	34.5556	0.29957
Cu 327.395	0.420911	ug/L	0.062730	14.9	103.402	0.42091
Fe 273.955	42858.6	ug/L	75.1190	0.2	622294	2858.60938K
K 404.721	2810.17	ug/L	643.231	22.9	48.6250	2810.17212
Li 610.365	0.756028	ug/L	0.040091	5.3	81.7090	0.75603
Mg 279.078	108438	ug/L	166.038	0.2	474804	8438.10156K
Mn 257.610	3.21890	ug/L	0.036604	1.1	1087.36	3.21890
Mo 202.032	0.593629	ug/L	0.252026	42.5	12.3230	0.59363
Na 330.237	161.992	ug/L	25.9394	16.0	32.4691	161.99200
Ni 216.555	4.72824	ug/L	0.357959	7.6	47.0337	4.72824
Pb 220.353	-1.65910uv	ug/L	0.359209	21.7	-1.15637	-1.65910
Sb 217.582	0.177874uv	ug/L	0.529796	297.8	3.27625	0.17787
Se 196.026	-3.70384uv	ug/L	0.128870	3.5	0.399063	-3.70384
Si 251.611	-3.15352uv	ug/L	0.683833	21.7	45.4747	-3.15352
Si 288.158	-2.80574uv	ug/L	1.29501	46.2	463.346	-2.80574

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sn 283.998	4.89179	ug/L	0.057076	1.2	30.4440	4.89179
Sr 421.552	0.587401	ug/L	0.000374	0.1	1575.47	0.58740
Ti 336.122	1.56971	ug/L	0.119965	7.6	437.059	1.56971
Tl 190.794	0.288859uv	ug/L	2.55819	885.6	1.85745	0.28886
V 292.401	1.92394	ug/L	0.079604	4.1	92.4137	1.92394
Zn 202.548	0.589851uv	ug/L	1.14505	194.1	86.7576	0.58985
Zr 339.198	0.577491	ug/L	0.006616	1.1	41.2662	0.57749

Interf Check AB (ICSAB) **10/12/2009, 10:51:42 AM** **Rack 0, Tube 11**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	613.709	ug/L	1.81438	0.3	5568.26	102.28480
Al 237.312	110623	ug/L	237.190	0.2	467254	110.62340
As 188.980	1963.03	ug/L	5.04237	0.3	2210.27	98.15144
B 249.678	2.93971	ug/L	0.464411	15.8	102.109	-
Ba 493.408	588.421	ug/L	0.787597	0.1	1544928	98.07023
Be 313.042	191.652	ug/L	0.444531	0.2	679265	95.82609
Ca 373.690	105879	ug/L	69.3738	0.1	511253	105.87860
Cd 214.439	568.029	ug/L	0.246305	0.0	23157.1	94.67149
Co 228.615	572.186	ug/L	0.489028	0.1	5401.76	95.36440
Cr 267.716	566.204	ug/L	1.06144	0.2	28255.7	94.36738
Cu 327.395	604.040	ug/L	0.712674	0.1	43586.2	100.67340
Fe 273.955	42383.0	ug/L	44.1251	0.1	615879	105.95760
K 404.721	43358.5	ug/L	30.9525	0.1	668.056	108.39630
Li 610.365	0.660378	ug/L	0.103772	15.7	73.9922	-
Mg 279.078	106211	ug/L	196.648	0.2	465680	106.21050
Mn 257.610	382.885	ug/L	0.536156	0.1	122469	95.72122
Mo 202.032	0.431410	ug/L	0.516491	119.7	10.7219	-
Na 330.237	79.5659	ug/L	60.2258	75.7	20.8414	-
Ni 216.555	576.572	ug/L	1.10775	0.2	5199.78	96.09534
Pb 220.353	1859.68	ug/L	5.52151	0.3	9803.06	92.98376
Sb 217.582	957.004	ug/L	4.92925	0.5	2009.74	95.70042
Se 196.026	972.338	ug/L	1.79759	0.2	605.937	97.23383
Si 251.611	-2.74685uv	ug/L	1.30614	47.6	47.7242	-
Si 288.158	-2.14316uv	ug/L	0.964251	45.0	472.025	-
Sn 283.998	266.431	ug/L	0.566346	0.2	1322.23	-
Sr 421.552	0.614992	ug/L	0.000739	0.1	1646.94	-
Ti 336.122	1.57656	ug/L	0.035639	2.3	438.808	-
Tl 190.794	1866.52	ug/L	5.32945	0.3	1638.16	93.32610
V 292.401	584.457	ug/L	0.890530	0.2	24096.7	97.40952
Zn 202.548	542.786	ug/L	5.47637	1.0	14140.5	90.46432
Zr 339.198	1.78129	ug/L	0.181103	10.2	114.675	-

RB (ICSAB) **10/12/2009, 10:54:36 AM** **Rack 4, Tube 1**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.181392uv	ug/L	0.001152	0.6	2.41107	-
Al 237.312	4.62006	ug/L	2.40470	52.0	29.0448	-
As 188.980	1.55070	ug/L	1.94858	125.7	2.77913	-
B 249.678	0.923355	ug/L	0.115933	12.6	40.5925	-
Ba 493.408	-0.019414uv	ug/L	0.017733	91.3	293.465	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Be 313.042	0.009244	ug/L	0.005052	54.7	187.954	-
Ca 373.690	2.09381	ug/L	2.11156	100.8	55.3189	-
Cd 214.439	0.041955	ug/L	0.030939	73.7	4.98474	-
Co 228.615	-0.086719uv	ug/L	0.049047	56.6	10.3316	-
Cr 267.716	-0.059882uv	ug/L	0.006885	11.5	16.6303	-
Cu 327.395	-0.011713uv	ug/L	0.108756	928.5	72.2371	-
Fe 273.955	3.60616	ug/L	1.51629	42.0	109.517	-
K 404.721	188.663uv	ug/L	442.595	234.6	15.2494	-
Li 610.365	-0.300654uv	ug/L	0.001096	0.4	-3.54102	-
Mg 279.078	3.58017	ug/L	3.43249	95.9	28.5032	-
Mn 257.610	-0.015483uv	ug/L	0.014329	92.5	53.3093	-
Mo 202.032	0.372606	ug/L	0.005768	1.5	10.1416	-
Na 330.237	-30.0680uv	ug/L	7.04119	23.4	5.38049	-
Ni 216.555	0.151622uv	ug/L	0.275127	181.5	5.79480	-
Pb 220.353	0.027254uv	ug/L	0.199032	730.3	7.72617	-
Sb 217.582	0.869947	ug/L	0.566667	65.1	4.72752	-
Se 196.026	4.74424	ug/L	0.854069	18.0	5.64027	-
Si 251.611	-1.61683uv	ug/L	1.60643	99.4	53.9748	-
Si 288.158	-1.92118uv	ug/L	1.02371	53.3	474.933	-
Sn 283.998	0.737783	ug/L	0.047133	6.4	9.92657	-
Sr 421.552	-0.003788uv	ug/L	0.000302	8.0	44.0891	-
Ti 336.122	0.014218uv	ug/L	0.041881	294.6	39.6208	-
Tl 190.794	4.75978	ug/L	0.366041	7.7	5.77752	-
V 292.401	-0.030713uv	ug/L	0.028893	94.1	11.8687	-
Zn 202.548	-0.343434uv	ug/L	0.028126	8.2	62.5669	-
Zr 339.198	-0.047288uv	ug/L	0.021753	46.0	3.16650	-

CCV (CCV) **10/12/2009, 10:57:29 AM** **Rack 4, Tube 2**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	998.567	ug/L	0.637320	0.1	9057.59	99.85674
Al 237.312	4990.38	ug/L	4.89347	0.1	23552.0	99.80756
As 188.980	993.349	ug/L	0.481647	0.0	1118.97	99.33495
B 249.678	994.093	ug/L	8.89119	0.9	30341.2	99.40932
Ba 493.408	999.673	ug/L	0.616431	0.1	2624448	99.96733
Be 313.042	994.749	ug/L	1.67575	0.2	3524998	99.47487
Ca 373.690	19836.7	ug/L	1.55508	0.0	105255	99.18348
Cd 214.439	991.687	ug/L	0.795625	0.1	40426.1	99.16870
Co 228.615	993.550	ug/L	0.736929	0.1	9371.46	99.35500
Cr 267.716	994.674	ug/L	1.09959	0.1	49623.0	99.46738
Cu 327.395	993.054	ug/L	4.49231	0.5	71609.5	99.30540
Fe 273.955	4967.06	ug/L	3.75236	0.1	82845.1	99.34120
K 404.721	20408.4	ug/L	81.5120	0.4	293.619	102.04210
Li 610.365	4935.97	ug/L	9.35639	0.2	398240	98.71938
Mg 279.078	19830.7	ug/L	0.955699	0.0	92177.6	99.15330
Mn 257.610	994.366	ug/L	0.521181	0.1	317964	99.43662
Mo 202.032	996.467	ug/L	0.859801	0.1	9841.41	99.64671
Na 330.237	19978.2	ug/L	41.6130	0.2	2946.13	99.89101
Ni 216.555	1022.45	ug/L	39.5342	3.9	9217.52	102.24530
Pb 220.353	994.953	ug/L	0.108543	0.0	5248.30	99.49529
Sb 217.582	999.339	ug/L	1.96565	0.2	2098.52	99.93386
Se 196.026	996.392	ug/L	1.61071	0.2	620.860	99.63920
Si 251.611	1037.16	ug/L	54.7243	5.3	5799.87	103.71550

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Si 288.158	989.425	ug/L	9.80739	1.0	13460.9	98.94246
Sn 283.998	997.042	ug/L	0.329946	0.0	4930.85	99.70420
Sr 421.552	999.547	ug/L	1.65625	0.2	2589225	99.95467
Ti 336.122	994.125	ug/L	3.94204	0.4	254041	99.41249
Tl 190.794	995.249	ug/L	0.041000	0.0	874.232	99.52487
V 292.401	993.974	ug/L	0.457608	0.0	40971.6	99.39742
Zn 202.548	991.105	ug/L	5.17870	0.5	25760.9	99.11047
Zr 339.198	997.541	ug/L	1.74791	0.2	60837.2	99.75414

CCB (CCB) **10/12/2009, 11:00:23 AM** **Rack 4, Tube 3**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.214176	ug/L	0.161418	75.4	5.99750	0.21418
Al 237.312	0.322518uv	ug/L	1.33216	413.0	8.49957	0.32252
As 188.980	0.479976	ug/L	0.335219	69.8	1.57412	0.47998
B 249.678	18.5676	ug/L	3.65676	19.7	578.900	18.56757
Ba 493.408	-0.011976uv	ug/L	0.023171	193.5	312.989	-0.01198
Be 313.042	0.026901	ug/L	0.014176	52.7	250.521	0.02690
Ca 373.690	-1.20259uv	ug/L	0.647815	53.9	37.4724	-1.20259
Cd 214.439	0.066700	ug/L	0.086304	129.4	5.99339	0.06670
Co 228.615	-0.085469uv	ug/L	0.055731	65.2	10.3433	-0.08547
Cr 267.716	0.035298	ug/L	0.039877	113.0	21.3768	0.03530
Cu 327.395	-0.013021uv	ug/L	0.040879	313.9	72.1428	-0.01302
Fe 273.955	0.403933	ug/L	0.302799	75.0	55.0161	0.40393
K 404.721	97.9896uv	ug/L	607.371	619.8	14.1121	97.98959
Li 610.365	-0.333421uv	ug/L	0.024120	7.2	-6.18457	-0.33342
Mg 279.078	-0.271449uv	ug/L	1.78841	658.8	10.3685	-0.27145
Mn 257.610	-0.006176uv	ug/L	0.010477	169.6	56.2848	-0.00618
Mo 202.032	6.52324	ug/L	1.77995	27.3	70.8472	6.52324
Na 330.237	-23.1464uv	ug/L	20.9803	90.6	6.35644	-23.14644
Ni 216.555	-0.075944uv	ug/L	0.149332	196.6	3.74426	-0.07594
Pb 220.353	0.394602uv	ug/L	0.626756	158.8	9.66110	0.39460
Sb 217.582	1.13344	ug/L	0.061517	5.4	5.28006	1.13344
Se 196.026	0.979251	ug/L	0.403235	41.2	3.30446	0.97925
Si 251.611	-1.45064uv	ug/L	0.987806	68.1	54.8941	-1.45064
Si 288.158	-1.17214uv	ug/L	1.43052	122.0	484.745	-1.17214
Sn 283.998	0.908191	ug/L	0.534396	58.8	10.7683	0.90819
Sr 421.552	0.019862	ug/L	0.013316	67.0	105.349	0.01986
Ti 336.122	0.279119	ug/L	0.172630	61.8	107.305	0.27912
Tl 190.794	1.45480	ug/L	0.254993	17.5	2.87974	1.45480
V 292.401	0.063804	ug/L	0.000046	0.1	15.7634	0.06380
Zn 202.548	-0.471136uv	ug/L	0.037580	8.0	59.2569	-0.47114
Zr 339.198	0.676161	ug/L	0.187980	27.8	47.2832	0.67616

ICB RR (Samp) **10/12/2009, 11:03:17 AM** **Rack 1, Tube 1**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.081032uv	ug/L	0.241580	298.1	4.79034
Al 237.312	0.938647	ug/L	0.875475	93.3	11.4451
As 188.980	0.814208uv	ug/L	1.17140	143.9	1.95027
B 249.678	6.08426	ug/L	0.841065	13.8	198.047

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ba 493.408	-0.006385uv	ug/L	0.002593	40.6	327.665
Be 313.042	0.005779	ug/L	0.001697	29.4	175.677
Ca 373.690	0.956915	ug/L	0.157904	16.5	49.1638
Cd 214.439	0.032506	ug/L	0.043141	132.7	4.59959
Co 228.615	0.002280uv	ug/L	0.004922	215.8	11.1700
Cr 267.716	-0.067042uv	ug/L	0.021172	31.6	16.2732
Cu 327.395	0.201578	ug/L	0.149506	74.2	87.6018
Fe 273.955	0.072668uv	ug/L	0.314042	432.2	49.3780
K 404.721	276.006uv	ug/L	411.938	149.2	16.3478
Li 610.365	-0.061080uv	ug/L	0.000171	0.3	15.7871
Mg 279.078	0.711395uv	ug/L	1.21761	171.2	14.9960
Mn 257.610	-0.009890uv	ug/L	0.004068	41.1	55.0975
Mo 202.032	1.72696	ug/L	0.712851	41.3	23.5088
Na 330.237	-3.25089uv	ug/L	12.1809	374.7	9.16174
Ni 216.555	-0.012838uv	ug/L	0.062150	484.1	4.31290
Pb 220.353	0.053210uv	ug/L	0.204472	384.3	7.86288
Sb 217.582	1.01190	ug/L	0.545756	53.9	5.02519
Se 196.026	1.71973	ug/L	0.585635	34.1	3.76385
Si 251.611	-1.41052uv	ug/L	1.51103	107.1	55.1160
Si 288.158	-1.39549uv	ug/L	0.959876	68.8	481.819
Sn 283.998	0.715527	ug/L	0.193214	27.0	9.81665
Sr 421.552	0.008702	ug/L	0.000487	5.6	76.4402
Ti 336.122	0.110165	ug/L	0.049442	44.9	64.1357
Tl 190.794	1.80790	ug/L	0.855951	47.3	3.18934
V 292.401	0.100028	ug/L	0.007683	7.7	17.2561
Zn 202.548	-0.244072uv	ug/L	0.003321	1.4	65.1424
Zr 339.198	0.265461	ug/L	0.000759	0.3	22.2383

ICVNa K Mg Ca 75ppm (Samp) 10/12/2009, 11:06:11 AM Rack 1, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.131838uv	ug/L	0.075820	57.5	2.86035
Al 237.312	3.05122	ug/L	1.05777	34.7	21.5447
As 188.980	0.958613	ug/L	0.660985	69.0	2.11279
B 249.678	3.08958	ug/L	0.251487	8.1	106.682
Ba 493.408	0.161915	ug/L	0.001994	1.2	769.447
Be 313.042	0.030464	ug/L	0.003459	11.4	263.144
Ca 373.690	77394.7	ug/L	120.225	0.2	385817
Cd 214.439	0.091432	ug/L	0.024280	26.6	7.00148
Co 228.615	0.323661	ug/L	0.043639	13.5	14.1978
Cr 267.716	0.210323	ug/L	0.023727	11.3	30.1051
Cu 327.395	0.366560	ug/L	0.002200	0.6	99.4866
Fe 273.955	2.70097	ug/L	0.469052	17.4	94.1112
K 404.721	77400.8	ug/L	40.8354	0.1	1337.97
Li 610.365	0.551134	ug/L	0.102454	18.6	65.1787
Mg 279.078	77156.9	ug/L	121.854	0.2	345072
Mn 257.610	2.23775	ug/L	0.003434	0.2	773.682
Mo 202.032	1.04313	ug/L	0.639304	61.3	16.7595
Na 330.237	76991.1	ug/L	366.696	0.5	12641.2
Ni 216.555	0.577825	ug/L	0.561859	97.2	9.63522
Pb 220.353	0.275274uv	ug/L	0.443267	161.0	9.03256
Sb 217.582	1.80345	ug/L	0.124721	6.9	6.68509
Se 196.026	-1.61447uv	ug/L	0.496487	30.8	1.69531

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Si 251.611	2.42064	ug/L	1.65717	68.5	76.3078
Si 288.158	0.034843uv	ug/L	1.24547	3574.5	500.555
Sn 283.998	0.367347	ug/L	0.121772	33.1	8.09692
Sr 421.552	0.496745	ug/L	0.006269	1.3	1340.64
Ti 336.122	1.37191	ug/L	0.142728	10.4	386.521
Tl 190.794	0.682835	ug/L	0.000283	0.0	2.20289
V 292.401	1.63356	ug/L	0.014395	0.9	80.4477
Zn 202.548	-1.59698uv	ug/L	0.175048	11.0	30.0749
Zr 339.198	0.528936	ug/L	0.149606	28.3	38.3053

ICV Sb 1ppm (Samp) **10/12/2009, 11:09:05 AM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.351137uv	ug/L	0.734573	209.2	7.23926
Al 237.312	-0.290816uv	ug/L	0.105405	36.2	5.56738
As 188.980	0.634740uv	ug/L	1.57253	247.7	1.74829
B 249.678	1.50334	ug/L	0.403441	26.8	58.2871
Ba 493.408	-0.082352uv	ug/L	0.005235	6.4	128.254
Be 313.042	0.002557	ug/L	0.000550	21.5	164.258
Ca 373.690	-0.214223uv	ug/L	0.707347	330.2	42.8234
Cd 214.439	0.066023	ug/L	0.021846	33.1	5.96578
Co 228.615	0.085645	ug/L	0.045105	52.7	11.9554
Cr 267.716	-0.021193uv	ug/L	0.067118	316.7	18.5596
Cu 327.395	-0.140916uv	ug/L	0.036752	26.1	62.9297
Fe 273.955	-1.33790uv	ug/L	0.258458	19.3	25.3701
K 404.721	-130.650uv	ug/L	145.032	111.0	11.2340
Li 610.365	-0.197886uv	ug/L	0.062996	31.8	4.75000
Mg 279.078	3.43863	ug/L	1.24995	36.4	27.8367
Mn 257.610	-0.043647uv	ug/L	0.002527	5.8	44.3051
Mo 202.032	0.674770	ug/L	0.321986	47.7	13.1239
Na 330.237	11.6282	ug/L	10.2227	87.9	11.2598
Ni 216.555	0.018634uv	ug/L	0.111462	598.2	4.59648
Pb 220.353	-0.037996uv	ug/L	0.300157	790.0	7.38248
Sb 217.582	998.642	ug/L	0.957598	0.1	2097.06
Se 196.026	-0.562992uv	ug/L	0.296330	52.6	2.34765
Si 251.611	-0.411611uv	ug/L	1.82840	444.2	60.6414
Si 288.158	-0.463564uv	ug/L	1.79379	387.0	494.027
Sn 283.998	1.39720	ug/L	0.373618	26.7	13.1835
Sr 421.552	-0.001979uv	ug/L	0.001245	62.9	48.7739
Ti 336.122	0.033874	ug/L	0.029523	87.2	44.6431
Tl 190.794	1.23699	ug/L	0.759031	61.4	2.68877
V 292.401	0.107040	ug/L	0.073345	68.5	17.5450
Zn 202.548	-0.586650uv	ug/L	0.002237	0.4	56.2628
Zr 339.198	13.5480	ug/L	1.36750	10.1	832.222

CRI-RL B (Samp) **10/12/2009, 11:19:23 AM** **Rack 1, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	4.01213	ug/L	0.127973	3.2	40.4318
Al 237.312	104.659	ug/L	1.34846	1.3	507.170
As 188.980	9.82170	ug/L	0.596205	6.1	12.0875

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	10.3991	ug/L	0.326594	3.1	329.687
Ba 493.408	11.2981	ug/L	0.016971	0.2	30001.5
Be 313.042	1.00796	ug/L	0.000604	0.1	3726.86
Ca 373.690	416.434	ug/L	0.750524	0.2	2297.56
Cd 214.439	1.01826	ug/L	0.005645	0.6	44.7806
Co 228.615	10.9442	ug/L	0.167618	1.5	114.255
Cr 267.716	5.28920	ug/L	0.018550	0.4	283.384
Cu 327.395	10.9855	ug/L	0.224358	2.0	864.442
Fe 273.955	105.809	ug/L	0.026267	0.0	1848.22
K 404.721	4109.74	ug/L	160.650	3.9	65.4563
Li 610.365	84.2319	ug/L	0.068422	0.1	6816.30
Mg 279.078	426.869	ug/L	1.46395	0.3	2020.93
Mn 257.610	10.7746	ug/L	0.027961	0.3	3502.96
Mo 202.032	10.1025	ug/L	0.238295	2.4	106.174
Na 330.237	1998.88	ug/L	22.4001	1.1	292.661
Ni 216.555	10.4950	ug/L	0.006294	0.1	98.9964
Pb 220.353	5.47225	ug/L	0.745326	13.6	36.4066
Sb 217.582	10.9006	ug/L	0.276145	2.5	25.7619
Se 196.026	10.6556	ug/L	0.881583	8.3	9.30766
Si 251.611	96.1948	ug/L	0.810752	0.8	595.013
Si 288.158	97.8095	ug/L	1.09768	1.1	1781.34
Sn 283.998	30.2713	ug/L	0.407032	1.3	155.798
Sr 421.552	22.3061	ug/L	0.138190	0.6	57834.5
Ti 336.122	10.5089	ug/L	0.019047	0.2	2721.07
Tl 190.794	10.6575	ug/L	0.878593	8.2	10.9486
V 292.401	10.3607	ug/L	0.002895	0.0	440.066
Zn 202.548	51.8290	ug/L	0.130403	0.3	1414.87
Zr 339.198	11.0600	ug/L	0.211932	1.9	680.500

CRI-MCP Tl (Samp) **10/12/2009, 11:22:16 AM** **Rack 1, Tube 5**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	6.99457	ug/L	0.728090	10.4	67.4721
Al 237.312	-0.115667uv	ug/L	0.549397	475.0	6.40472
As 188.980	51.1382	ug/L	0.785631	1.5	58.5861
B 249.678	0.789750	ug/L	0.278732	35.3	36.5163
Ba 493.408	2203.37	ug/L	8.61182	0.4	5784103
Be 313.042	4.18429	ug/L	0.004112	0.1	14982.0
Ca 373.690	16.6303	ug/L	0.426024	2.6	134.017
Cd 214.439	5.14097	ug/L	0.026789	0.5	212.829
Co 228.615	0.053920	ug/L	0.051179	94.9	11.6565
Cr 267.716	108.059	ug/L	0.009052	0.0	5408.40
Cu 327.395	-0.078089uv	ug/L	0.083244	106.6	67.4556
Fe 273.955	-1.13373uv	ug/L	0.056385	5.0	28.8451
K 404.721	415.934	ug/L	16.0428	3.9	18.1049
Li 610.365	-0.221986uv	ug/L	0.044149	19.9	2.80566
Mg 279.078	-1.05147uv	ug/L	0.042587	4.1	6.69586
Mn 257.610	-0.047489uv	ug/L	0.011141	23.5	43.0768
Mo 202.032	0.227934	ug/L	0.124695	54.7	8.71366
Na 330.237	241.903	ug/L	31.5042	13.0	43.7463
Ni 216.555	110.953	ug/L	0.147558	0.1	1004.20
Pb 220.353	16.8116	ug/L	0.291128	1.7	96.1345
Sb 217.582	7.14330	ug/L	1.53144	21.4	17.8828

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Se 196.026	48.7790	ug/L	0.571131	1.2	32.9595
Si 251.611	-2.05866uv	ug/L	1.14257	55.5	51.5308
Si 288.158	-2.45941uv	ug/L	0.801190	32.6	467.882
Sn 283.998	51.9903	ug/L	0.823799	1.6	263.072
Sr 421.552	0.005072	ug/L	0.001736	34.2	67.0393
Ti 336.122	-0.091425uv	ug/L	0.043653	47.7	12.6284
Tl 190.794	3.08795	ug/L	0.785051	25.4	4.31168
V 292.401	52.5389	ug/L	0.273085	0.5	2178.09
Zn 202.548	949.301	ug/L	5.92314	0.6	24677.3
Zr 339.198	0.005421uv	ug/L	0.071943	1327.2	6.38074

CRI-MCP Tl (Samp) **10/12/2009, 11:31:16 AM** **Rack 1, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	7.20031	ug/L	0.750101	10.4	69.3375
Al 237.312	-0.070957uv	ug/L	1.39766	1969.7	6.61847
As 188.980	51.0478	ug/L	0.223946	0.4	58.4843
B 249.678	0.637419	ug/L	0.103371	16.2	31.8688
Ba 493.408	2204.47	ug/L	1.78710	0.1	5786986
Be 313.042	4.19304	ug/L	0.005722	0.1	15013.0
Ca 373.690	15.9949	ug/L	0.059503	0.4	130.577
Cd 214.439	5.23632	ug/L	0.035716	0.7	216.716
Co 228.615	0.093526uv	ug/L	0.178633	191.0	12.0297
Cr 267.716	108.326	ug/L	0.397278	0.4	5421.70
Cu 327.395	0.118036	ug/L	0.130382	110.5	81.5837
Fe 273.955	-1.18210uv	ug/L	0.271776	23.0	28.0218
K 404.721	190.735	ug/L	28.2406	14.8	15.2701
Li 610.365	-0.101666uv	ug/L	0.004810	4.7	12.5127
Mg 279.078	0.830254	ug/L	0.805174	97.0	15.5557
Mn 257.610	-0.009380uv	ug/L	0.005064	54.0	55.2604
Mo 202.032	-0.063361uv	ug/L	0.191431	302.1	5.83864
Na 330.237	329.287	ug/L	7.32480	2.2	56.0824
Ni 216.555	111.971	ug/L	0.128294	0.1	1013.37
Pb 220.353	17.0316	ug/L	0.606838	3.6	97.2931
Sb 217.582	7.10157	ug/L	0.010023	0.1	17.7953
Se 196.026	48.0739	ug/L	0.828991	1.7	32.5220
Si 251.611	-2.17160uv	ug/L	0.756130	34.8	50.9061
Si 288.158	-2.37030uv	ug/L	1.44924	61.1	469.050
Sn 283.998	52.2729	ug/L	0.081612	0.2	264.467
Sr 421.552	0.001825uv	ug/L	0.004482	245.5	58.6284
Ti 336.122	-0.015783uv	ug/L	0.004417	28.0	31.9553
Tl 190.794	2.31671	ug/L	0.795111	34.3	3.63546
V 292.401	52.7033	ug/L	0.011561	0.0	2184.86
Zn 202.548	953.766	ug/L	0.103408	0.0	24793.0
Zr 339.198	0.008882uv	ug/L	0.021023	236.7	6.59180

CCV (CCV) **10/12/2009, 4:37:31 PM** **Rack 4, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	982.651	ug/L	0.887164	0.1	8913.29	98.26514
Al 237.312	4974.72	ug/L	6.98855	0.1	23479.1	99.49434

MET101209emn@720/725/730/735-ES@Quant@. All Data Report 10/13/2009, 11:07:15 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	979.823	ug/L	1.39898	0.1	1103.75	97.98232
B 249.678	965.651	ug/L	8.58347	0.9	29473.5	96.56510
Ba 493.408	995.885	ug/L	3.20749	0.3	2614503	99.58848
Be 313.042	977.795	ug/L	0.154421	0.0	3464923	97.77948
Ca 373.690	19266.6	ug/L	4.79783	0.0	102292	96.33274
Cd 214.439	959.265	ug/L	0.378844	0.0	39104.5	95.92647
Co 228.615	966.902	ug/L	1.23316	0.1	9120.41	96.69022
Cr 267.716	977.266	ug/L	0.514059	0.1	48754.9	97.72659
Cu 327.395	1004.23	ug/L	0.292182	0.0	72414.8	100.42330
Fe 273.955	4872.77	ug/L	0.086663	0.0	81305.8	97.45541
K 404.721	20659.7	ug/L	321.026	1.6	297.385	103.29850
Li 610.365	4852.25	ug/L	4.59205	0.1	391486	97.04489
Mg 279.078	19357.9	ug/L	3.64740	0.0	90008.4	96.78955
Mn 257.610	979.553	ug/L	0.623293	0.1	313228	97.95534
Mo 202.032	981.782	ug/L	1.43273	0.1	9696.47	98.17816
Na 330.237	19628.0	ug/L	48.3056	0.2	2892.59	98.13980
Ni 216.555	975.605	ug/L	3.42596	0.4	8795.38	97.56053
Pb 220.353	973.721	ug/L	0.328608	0.0	5136.47	97.37212
Sb 217.582	993.164	ug/L	1.44632	0.1	2085.57	99.31641
Se 196.026	971.508	ug/L	1.48668	0.2	605.422	97.15082
Si 251.611	978.382	ug/L	7.40839	0.8	5474.77	97.83818
Si 288.158	975.027	ug/L	8.42637	0.9	13272.3	97.50266
Sn 283.998	972.729	ug/L	0.031290	0.0	4810.76	97.27287
Sr 421.552	993.524	ug/L	1.31007	0.1	2573624	99.35237
Ti 336.122	986.405	ug/L	0.687858	0.1	252068	98.64050
Tl 190.794	970.729	ug/L	3.27153	0.3	852.733	97.07289
V 292.401	977.086	ug/L	0.250017	0.0	40275.6	97.70858
Zn 202.548	948.435	ug/L	0.964590	0.1	24654.9	94.84354
Zr 339.198	1006.43	ug/L	1.36808	0.1	61379.6	100.64350

CCB (CCB) **10/12/2009, 4:40:24 PM** **Rack 4, Tube 3**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.224880	ug/L	0.048411	21.5	6.09454	0.22488
Al 237.312	1.28361	ug/L	0.248421	19.4	13.0943	1.28361
As 188.980	1.66022	ug/L	0.961844	57.9	2.90239	1.66022
B 249.678	27.1238	ug/L	4.56950	16.8	839.941	27.12377
Ba 493.408	0.117600	ug/L	0.003764	3.2	653.122	0.11760
Be 313.042	0.147273	ug/L	0.000223	0.2	677.051	0.14727
Ca 373.690	4.17698	ug/L	0.514978	12.3	66.5969	4.17698
Cd 214.439	0.111364	ug/L	0.045789	41.1	7.81398	0.11136
Co 228.615	0.235451	ug/L	0.015537	6.6	13.3667	0.23545
Cr 267.716	0.125567	ug/L	0.033883	27.0	25.8784	0.12557
Cu 327.395	0.190727	ug/L	0.227158	119.1	86.8202	0.19073
Fe 273.955	4.22689	ug/L	1.20071	28.4	120.082	4.22689
K 404.721	270.854	ug/L	64.9992	24.0	16.2781	270.85440
Li 610.365	-0.386402uv	ug/L	0.117741	30.5	-10.4590	-0.38640
Mg 279.078	2.82274	ug/L	0.033714	1.2	24.9370	2.82274
Mn 257.610	0.319983	ug/L	0.002349	0.7	160.560	0.31998
Mo 202.032	8.26031	ug/L	2.21694	26.8	87.9918	8.26031
Na 330.237	-5.17155uv	ug/L	37.3185	721.6	8.89099	-5.17155
Ni 216.555	0.279000	ug/L	0.007254	2.6	6.94258	0.27900
Pb 220.353	-0.219034uv	ug/L	0.145634	66.5	6.42889	-0.21903

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sb 217.582	1.50793	ug/L	1.19495	79.2	6.06537	1.50793
Se 196.026	4.76249	ug/L	0.065217	1.4	5.65159	4.76249
Si 251.611	-1.66774uv	ug/L	0.796125	47.7	53.6932	-1.66774
Si 288.158	-1.75184uv	ug/L	0.510783	29.2	477.151	-1.75184
Sn 283.998	1.11628	ug/L	1.17851	105.6	11.7960	1.11628
Sr 421.552	0.140011	ug/L	0.004204	3.0	416.576	0.14001
Ti 336.122	0.480434	ug/L	0.094005	19.6	158.742	0.48043
Tl 190.794	1.27936uv	ug/L	3.34263	261.3	2.72591	1.27936
V 292.401	0.532055	ug/L	0.078437	14.7	35.0585	0.53206
Zn 202.548	-0.264852uv	ug/L	0.053012	20.0	64.6038	-0.26485
Zr 339.198	0.600183	ug/L	0.158320	26.4	42.6500	0.60018

MB 360-50159/1-A (Samp) **10/12/2009, 4:49:05 PM** **Rack 2, Tube 23**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.219999uv	ug/L	0.465394	211.5	6.05029
Al 237.312	4.94558	ug/L	0.736791	14.9	30.6010
As 188.980	0.841504	ug/L	1.07517	127.8	1.98099
B 249.678	6.41552	ug/L	0.952322	14.8	208.153
Ba 493.408	0.598304	ug/L	0.004310	0.7	1914.95
Be 313.042	0.047094	ug/L	0.001510	3.2	322.071
Ca 373.690	110.942	ug/L	1.60638	1.4	644.545
Cd 214.439	0.065292	ug/L	0.008249	12.6	5.93601
Co 228.615	-0.038015uv	ug/L	0.025603	67.4	10.7904
Cr 267.716	0.584293	ug/L	0.071876	12.3	48.7546
Cu 327.395	0.790736	ug/L	0.083792	10.6	130.043
Fe 273.955	40.1181	ug/L	1.31787	3.3	730.838
K 404.721	-54.5490uv	ug/L	258.651	474.2	12.1897
Li 610.365	-0.397974uv	ug/L	0.036702	9.2	-11.3926
Mg 279.078	34.4215	ug/L	0.034980	0.1	173.711
Mn 257.610	0.589340	ug/L	0.014139	2.4	246.675
Mo 202.032	1.96607	ug/L	0.556845	28.3	25.8687
Na 330.237	109.741	ug/L	65.6064	59.8	25.0979
Ni 216.555	0.192874	ug/L	0.114758	59.5	6.16652
Pb 220.353	0.213570	ug/L	0.266760	124.9	8.70755
Sb 217.582	-0.632115uv	ug/L	0.983607	155.6	1.57770
Se 196.026	0.825962	ug/L	0.275043	33.3	3.20936
Si 251.611	18.1917	ug/L	1.68954	9.3	163.545
Si 288.158	18.6217	ug/L	2.04192	11.0	744.031
Sn 283.998	8.08378	ug/L	0.244086	3.0	46.2098
Sr 421.552	0.574756	ug/L	0.001441	0.3	1542.72
Ti 336.122	0.408660	ug/L	0.088098	21.6	140.403
Tl 190.794	0.359858	ug/L	0.118498	32.9	1.91970
V 292.401	0.335646	ug/L	0.141492	42.2	26.9652
Zn 202.548	2.20549	ug/L	0.048194	2.2	128.635
Zr 339.198	2.30332	ug/L	0.345224	15.0	146.509

LCS 360-50159/2-A (Samp) **10/12/2009, 4:51:58 PM** **Rack 2, Tube 24**
Weight: 1 **Volume: 1** **Dilution: 1**

MET101209emn@720/725/730/735-ES@Quant@. All Data Report 10/13/2009, 11:07:15 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	926.539	ug/L	3.35595	0.4	8404.54
Al 237.312	4617.67	ug/L	20.0890	0.4	21815.1
As 188.980	914.904	ug/L	2.90982	0.3	1030.69
B 249.678	836.000	ug/L	11.6921	1.4	25517.9
Ba 493.408	945.893	ug/L	3.58788	0.4	2483276
Be 313.042	919.420	ug/L	1.81654	0.2	3258075
Ca 373.690	18481.8	ug/L	65.5482	0.4	98207.6
Cd 214.439	901.000	ug/L	3.58560	0.4	36729.5
Co 228.615	916.248	ug/L	3.16994	0.3	8643.20
Cr 267.716	934.894	ug/L	1.91623	0.2	46641.9
Cu 327.395	952.710	ug/L	12.2839	1.3	68703.3
Fe 273.955	4666.97	ug/L	34.8319	0.7	77941.7
K 404.721	18482.9	ug/L	249.551	1.4	265.032
Li 610.365	4361.62	ug/L	14.3372	0.3	351903
Mg 279.078	17930.3	ug/L	45.5628	0.3	83449.9
Mn 257.610	932.375	ug/L	2.50155	0.3	298145
Mo 202.032	880.318	ug/L	3.59401	0.4	8695.04
Na 330.237	17958.5	ug/L	65.1906	0.4	2638.40
Ni 216.555	925.815	ug/L	2.36448	0.3	8346.73
Pb 220.353	913.324	ug/L	3.10145	0.3	4818.34
Sb 217.582	833.394	ug/L	11.7021	1.4	1750.53
Se 196.026	906.765	ug/L	1.73613	0.2	565.255
Si 251.611	816.852	ug/L	9.29252	1.1	4581.28
Si 288.158	810.597	ug/L	7.65513	0.9	11118.4
Sn 283.998	897.608	ug/L	3.79043	0.4	4439.73
Sr 421.552	944.507	ug/L	3.09597	0.3	2446653
Ti 336.122	891.914	ug/L	4.51247	0.5	227925
Tl 190.794	898.961	ug/L	4.90301	0.5	789.807
V 292.401	931.245	ug/L	3.16515	0.3	38386.7
Zn 202.548	891.559	ug/L	3.54848	0.4	23180.6
Zr 339.198	887.844	ug/L	2.21847	0.2	54147.8

LCSD 360-50159/3-A (Samp) **10/12/2009, 4:54:51 PM** **Rack 2, Tube 25**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	925.892	ug/L	3.57753	0.4	8398.68
Al 237.312	4621.34	ug/L	13.0618	0.3	21832.3
As 188.980	912.729	ug/L	0.863038	0.1	1028.24
B 249.678	855.017	ug/L	9.66001	1.1	26098.2
Ba 493.408	945.689	ug/L	2.77798	0.3	2482741
Be 313.042	919.234	ug/L	3.40804	0.4	3257417
Ca 373.690	18491.9	ug/L	50.7349	0.3	98260.3
Cd 214.439	898.914	ug/L	1.70959	0.2	36644.5
Co 228.615	915.534	ug/L	3.37611	0.4	8636.47
Cr 267.716	936.160	ug/L	1.84627	0.2	46705.0
Cu 327.395	942.856	ug/L	3.72841	0.4	67993.4
Fe 273.955	4695.06	ug/L	10.8531	0.2	78401.2
K 404.721	18631.9	ug/L	594.144	3.2	267.237
Li 610.365	4340.58	ug/L	7.97636	0.2	350206
Mg 279.078	17900.6	ug/L	40.3520	0.2	83313.0
Mn 257.610	932.488	ug/L	2.65873	0.3	298181
Mo 202.032	886.453	ug/L	2.44820	0.3	8755.60
Na 330.237	17870.3	ug/L	4.15011	0.0	2625.02

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ni 216.555	924.719	ug/L	3.25919	0.4	8336.86
Pb 220.353	910.206	ug/L	3.13757	0.3	4801.91
Sb 217.582	843.390	ug/L	7.67624	0.9	1771.49
Se 196.026	906.491	ug/L	0.699036	0.1	565.086
Si 251.611	911.826	ug/L	8.46452	0.9	5106.62
Si 288.158	908.484	ug/L	7.50433	0.8	12400.7
Sn 283.998	897.178	ug/L	0.397273	0.0	4437.61
Sr 421.552	945.911	ug/L	1.24300	0.1	2450290
Ti 336.122	891.290	ug/L	2.16387	0.2	227766
Tl 190.794	900.677	ug/L	2.16716	0.2	791.312
V 292.401	931.855	ug/L	2.92748	0.3	38411.8
Zn 202.548	889.976	ug/L	2.60884	0.3	23139.6
Zr 339.198	912.115	ug/L	0.100861	0.0	55627.8

360-24965-A-1-A (Samp) **10/12/2009, 4:57:45 PM** **Rack 2, Tube 26**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.96584	ug/L	0.201127	10.2	21.8790
Al 237.312	16311.2	ug/L	45.2175	0.3	74645.5
As 188.980	322.897	ug/L	2.83995	0.9	364.430
B 249.678	87.9274	ug/L	2.97131	3.4	2695.00
Ba 493.408	526.407	ug/L	0.717249	0.1	1382142
Be 313.042	2.16566	ug/L	0.003643	0.2	7829.10
Ca 373.690	37999.4	ug/L	36.0238	0.1	197758
Cd 214.439	14.5202	ug/L	0.028564	0.2	595.143
Co 228.615	88.1286	ug/L	0.176199	0.2	841.416
Cr 267.716	16.4799	ug/L	0.151014	0.9	841.452
Cu 327.395	37.0263	ug/L	0.234568	0.6	2740.34
Fe 273.955	477984	ug/L	75.7046	0.0	6491533
K 404.721	1756.22	ug/L	231.123	13.2	35.1013
Li 610.365	0.453898	ug/L	0.067926	15.0	57.3340
Mg 279.078	1909.06	ug/L	5.20550	0.3	8989.00
Mn 257.610	2731.09	ug/L	6.01093	0.2	873205
Mo 202.032	9.14929	ug/L	1.99246	21.8	96.7658
Na 330.237	12.4143	ug/L	9.54692	76.9	11.3706
Ni 216.555	109.964	ug/L	2.04448	1.9	995.289
Pb 220.353	142.198	ug/L	0.064079	0.0	756.581
Sb 217.582	-0.104774uv	ug/L	0.017658	16.9	2.68353
Se 196.026	-1.48178uv	ug/L	2.60574	175.9	1.77763
Si 251.611	6220.49	ug/L	108.584	1.7	34471.1
Si 288.158	6273.83	ug/L	110.577	1.8	82683.3
Sn 283.998	-0.284133uv	ug/L	0.230473	81.1	4.87915
Sr 421.552	152.199	ug/L	0.066216	0.0	394301
Ti 336.122	414.501	ug/L	0.811809	0.2	105944
Tl 190.794	0.691389	ug/L	0.206589	29.9	2.21039
V 292.401	78.2987	ug/L	0.310417	0.4	3239.57
Zn 202.548	324.791	ug/L	2.29555	0.7	8490.03
Zr 339.198	113.166	ug/L	14.5733	12.9	6907.04

360-24965-A-1-B DU (Samp) **10/12/2009, 5:00:39 PM** **Rack 2, Tube 27**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.54169	ug/L	0.294180	19.1	18.0334
Al 237.312	15488.3	ug/L	25.3895	0.2	71039.8
As 188.980	239.524	ug/L	1.43920	0.6	270.599
B 249.678	64.4154	ug/L	0.741436	1.2	1977.67
Ba 493.408	454.123	ug/L	0.260116	0.1	1192401
Be 313.042	1.99388	ug/L	0.005645	0.3	7220.42
Ca 373.690	34659.3	ug/L	24.2654	0.1	181021
Cd 214.439	13.2630	ug/L	0.101360	0.8	543.896
Co 228.615	76.6986	ug/L	0.085740	0.1	733.733
Cr 267.716	15.1288	ug/L	0.001011	0.0	774.074
Cu 327.395	35.8039	ug/L	0.211616	0.6	2652.28
Fe 273.955	407305	ug/L	1667.20	0.4	5538170
K 404.721	1444.47	ug/L	165.790	11.5	31.1287
Li 610.365	0.423794	ug/L	0.057159	13.5	54.9053
Mg 279.078	1827.93	ug/L	5.62716	0.3	8607.95
Mn 257.610	2314.95	ug/L	7.45604	0.3	740164
Mo 202.032	4.21595	ug/L	0.775772	18.4	48.0747
Na 330.237	12.7199	ug/L	6.80085	53.5	11.4137
Ni 216.555	97.5462	ug/L	0.011388	0.0	883.395
Pb 220.353	135.950	ug/L	1.27879	0.9	723.675
Sb 217.582	-0.440918uv	ug/L	1.57280	356.7	1.97864
Se 196.026	-4.80050uv	ug/L	1.82164	37.9	-0.281311
Si 251.611	5395.16	ug/L	107.709	2.0	29905.8
Si 288.158	5402.02	ug/L	110.165	2.0	71263.2
Sn 283.998	2.82423	ug/L	0.607673	21.5	20.2319
Sr 421.552	140.661	ug/L	0.222492	0.2	364416
Ti 336.122	399.006	ug/L	1.82679	0.5	101985
Tl 190.794	0.200278uv	ug/L	0.304543	152.1	1.77979
V 292.401	74.2177	ug/L	0.299854	0.4	3071.40
Zn 202.548	299.524	ug/L	1.67951	0.6	7835.12
Zr 339.198	37.2856	ug/L	10.1236	27.2	2279.77

360-24965-A-1-C MS (Samp) **10/12/2009, 5:03:32 PM** **Rack 2, Tube 28**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	918.484	ug/L	2.50737	0.3	8331.51
Al 237.312	19990.1	ug/L	71.2410	0.4	90556.3
As 188.980	1198.25	ug/L	5.36933	0.4	1349.57
B 249.678	879.483	ug/L	12.7101	1.4	26844.6
Ba 493.408	1396.22	ug/L	6.00333	0.4	3665374
Be 313.042	915.224	ug/L	2.85687	0.3	3243206
Ca 373.690	56487.7	ug/L	150.887	0.3	288160
Cd 214.439	886.497	ug/L	2.36633	0.3	36138.3
Co 228.615	957.980	ug/L	1.78140	0.2	9036.35
Cr 267.716	940.441	ug/L	3.77783	0.4	46918.5
Cu 327.395	999.845	ug/L	13.4963	1.3	72098.7
Fe 273.955	420054	ug/L	2379.61	0.6	5710133
K 404.721	19698.8	ug/L	230.224	1.2	283.034
Li 610.365	4419.45	ug/L	12.5732	0.3	356569
Mg 279.078	18688.8	ug/L	80.8422	0.4	86935.7

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	3227.58	ug/L	6.42853	0.2	1031936
Mo 202.032	873.684	ug/L	4.92834	0.6	8629.57
Na 330.237	16993.9	ug/L	58.3391	0.3	2492.29
Ni 216.555	980.450	ug/L	3.30546	0.3	8839.04
Pb 220.353	981.120	ug/L	3.97096	0.4	5175.44
Sb 217.582	718.166	ug/L	8.56858	1.2	1508.90
Se 196.026	865.118	ug/L	2.49935	0.3	539.418
Si 251.611	7405.37	ug/L	71.1592	1.0	41025.2
Si 288.158	7438.50	ug/L	64.7455	0.9	97939.7
Sn 283.998	823.525	ug/L	3.92741	0.5	4073.82
Sr 421.552	1067.69	ug/L	3.75323	0.4	2765735
Ti 336.122	1250.59	ug/L	7.00555	0.6	319570
Tl 190.794	844.271	ug/L	4.53871	0.5	741.856
V 292.401	1001.17	ug/L	4.39633	0.4	41268.0
Zn 202.548	1126.64	ug/L	2.74746	0.2	29273.8
Zr 339.198	740.932	ug/L	8.25110	1.1	45188.9

360-24965-A-1-Asd@5 (Samp) **10/12/2009, 5:06:26 PM** **Rack 2, Tube 29**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.601457	ug/L	0.096708	16.1	9.50879
Al 237.312	3358.56	ug/L	2.47919	0.1	15921.8
As 188.980	67.0139	ug/L	0.467972	0.7	76.4530
B 249.678	35.9892	ug/L	3.95595	11.0	1110.42
Ba 493.408	113.983	ug/L	0.081159	0.1	299546
Be 313.042	0.448349	ug/L	0.001250	0.3	1743.90
Ca 373.690	8103.54	ug/L	0.510305	0.0	43551.6
Cd 214.439	3.13528	ug/L	0.031368	1.0	131.074
Co 228.615	18.6845	ug/L	0.179796	1.0	187.177
Cr 267.716	3.38326	ug/L	0.005007	0.1	188.336
Cu 327.395	7.37096	ug/L	0.103820	1.4	604.061
Fe 273.955	115220	ug/L	380.203	0.3	1598351
K 404.721	489.365	ug/L	366.170	74.8	19.0344
Li 610.365	0.402151	ug/L	0.073695	18.3	53.1592
Mg 279.078	432.687	ug/L	1.39151	0.3	2048.31
Mn 257.610	596.945	ug/L	0.147127	0.0	190905
Mo 202.032	2.78926	ug/L	0.505435	18.1	33.9935
Na 330.237	-23.3845uv	ug/L	22.3822	95.7	6.32288
Ni 216.555	23.6450	ug/L	0.022716	0.1	217.488
Pb 220.353	28.7886	ug/L	0.192395	0.7	159.221
Sb 217.582	1.04711	ug/L	0.798522	76.3	5.09903
Se 196.026	-1.07561uv	ug/L	0.810052	75.3	2.02962
Si 251.611	1325.61	ug/L	33.4922	2.5	7395.46
Si 288.158	1353.15	ug/L	32.9698	2.4	18225.5
Sn 283.998	0.141084uv	ug/L	0.850064	602.5	6.97937
Sr 421.552	32.0801	ug/L	0.007839	0.0	83152.6
Ti 336.122	87.4309	ug/L	0.015542	0.0	22375.1
Tl 190.794	0.058174uv	ug/L	0.320109	550.3	1.65519
V 292.401	16.2546	ug/L	0.044372	0.3	682.931
Zn 202.548	70.0644	ug/L	0.237242	0.3	1887.54
Zr 339.198	16.3474	ug/L	3.07187	18.8	1002.93

360-24965-A-1-Apds (Samp) **10/12/2009, 5:09:20 PM** **Rack 2, Tube 30**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	917.488	ug/L	1.52983	0.2	8322.48
Al 237.312	20442.0	ug/L	1.80091	0.0	92487.3
As 188.980	1240.59	ug/L	1.20110	0.1	1397.22
B 249.678	937.414	ug/L	12.4201	1.3	28612.0
Ba 493.408	1436.61	ug/L	4.10704	0.3	3771401
Be 313.042	916.032	ug/L	3.20753	0.4	3246069
Ca 373.690	57863.7	ug/L	101.340	0.2	294736
Cd 214.439	891.305	ug/L	0.514103	0.1	36334.3
Co 228.615	979.484	ug/L	0.400682	0.0	9238.95
Cr 267.716	941.996	ug/L	0.382513	0.0	46996.0
Cu 327.395	1010.98	ug/L	0.355668	0.0	72900.9
Fe 273.955	456662	ug/L	1985.76	0.4	6203934
K 404.721	19574.6	ug/L	536.077	2.7	281.193
Li 610.365	4477.13	ug/L	2.44276	0.1	361223
Mg 279.078	18731.2	ug/L	7.02273	0.0	87130.8
Mn 257.610	3436.83	ug/L	2.89955	0.1	1098836
Mo 202.032	936.518	ug/L	1.69474	0.2	9249.73
Na 330.237	16888.4	ug/L	51.3923	0.3	2476.35
Ni 216.555	1001.49	ug/L	1.68007	0.2	9028.63
Pb 220.353	1002.40	ug/L	0.155327	0.0	5287.51
Sb 217.582	867.064	ug/L	2.83641	0.3	1821.14
Se 196.026	876.309	ug/L	5.64348	0.6	546.361
Si 251.611	7167.36	ug/L	123.297	1.7	39708.7
Si 288.158	7206.27	ug/L	111.914	1.6	94897.7
Sn 283.998	855.404	ug/L	0.340778	0.0	4231.27
Sr 421.552	1080.63	ug/L	0.911764	0.1	2799266
Ti 336.122	1324.54	ug/L	0.245312	0.0	338463
Tl 190.794	847.387	ug/L	0.964590	0.1	744.588
V 292.401	1011.37	ug/L	0.135431	0.0	41688.4
Zn 202.548	1175.91	ug/L	0.659201	0.1	30550.9
Zr 339.198	949.276	ug/L	2.29482	0.2	57894.0

CCV (CCV) **10/12/2009, 5:12:13 PM** **Rack 4, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	992.849	ug/L	1.72469	0.2	9005.75	99.28496
Al 237.312	5021.30	ug/L	3.62945	0.1	23695.9	100.42590
As 188.980	987.901	ug/L	0.266373	0.0	1112.84	98.79005
B 249.678	996.627	ug/L	10.5940	1.1	30418.5	99.66273
Ba 493.408	1005.52	ug/L	1.50761	0.1	2639785	100.55160
Be 313.042	990.125	ug/L	3.14694	0.3	3508616	99.01256
Ca 373.690	19534.4	ug/L	23.4643	0.1	103685	97.67201
Cd 214.439	973.351	ug/L	0.837618	0.1	39678.6	97.33504
Co 228.615	979.457	ug/L	0.826353	0.1	9238.69	97.94570
Cr 267.716	990.288	ug/L	2.83473	0.3	49404.3	99.02883
Cu 327.395	1006.11	ug/L	4.19823	0.4	72549.7	100.61060
Fe 273.955	4952.85	ug/L	0.509960	0.0	82613.2	99.05699
K 404.721	20807.9	ug/L	261.803	1.3	299.606	104.03930
Li 610.365	4913.61	ug/L	10.8987	0.2	396437	98.27222
Mg 279.078	19626.7	ug/L	36.2586	0.2	91242.0	98.13357

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	992.592	ug/L	1.91403	0.2	317397	99.25922
Mo 202.032	995.510	ug/L	3.37166	0.3	9831.97	99.55099
Na 330.237	19960.1	ug/L	101.395	0.5	2943.37	99.80068
Ni 216.555	990.551	ug/L	1.89288	0.2	8930.05	99.05510
Pb 220.353	987.512	ug/L	1.50191	0.2	5209.11	98.75120
Sb 217.582	999.045	ug/L	3.47641	0.3	2097.90	99.90447
Se 196.026	979.158	ug/L	4.28519	0.4	610.168	97.91580
Si 251.611	1010.19	ug/L	11.7036	1.2	5650.69	101.01870
Si 288.158	1004.26	ug/L	10.5482	1.1	13655.3	100.42600
Sn 283.998	982.836	ug/L	0.072031	0.0	4860.69	98.28365
Sr 421.552	1002.43	ug/L	2.41031	0.2	2596705	100.24340
Ti 336.122	995.964	ug/L	1.10770	0.1	254511	99.59641
Tl 190.794	980.992	ug/L	1.17067	0.1	861.731	98.09916
V 292.401	989.225	ug/L	2.51013	0.3	40775.8	98.92247
Zn 202.548	964.615	ug/L	0.963079	0.1	25074.3	96.46153
Zr 339.198	925.777	ug/L	0.114585	0.0	56461.0	92.57770

CCB (CCB) **10/12/2009, 5:15:07 PM** **Rack 4, Tube 3**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.078279uv	ug/L	0.445535	569.2	3.34595	-0.07828
Al 237.312	2.23868	ug/L	0.842332	37.6	17.6602	2.23868
As 188.980	1.54288	ug/L	1.19134	77.2	2.77033	1.54288
B 249.678	37.4889	ug/L	6.30016	16.8	1156.17	37.48894
Ba 493.408	0.166470	ug/L	0.023987	14.4	781.402	0.16647
Be 313.042	0.154670	ug/L	0.021436	13.9	703.263	0.15467
Ca 373.690	4.74407	ug/L	1.47852	31.2	69.6671	4.74407
Cd 214.439	0.185724	ug/L	0.019351	10.4	10.8450	0.18572
Co 228.615	0.256312	ug/L	0.066024	25.8	13.5633	0.25631
Cr 267.716	0.200342	ug/L	0.040099	20.0	29.6074	0.20034
Cu 327.395	0.255427	ug/L	0.052526	20.6	91.4810	0.25543
Fe 273.955	5.41780	ug/L	1.59522	29.4	140.350	5.41780
K 404.721	418.385	ug/L	19.3166	4.6	18.1357	418.38489
Li 610.365	-0.284772uv	ug/L	0.035915	12.6	-2.25977	-0.28477
Mg 279.078	3.91957	ug/L	1.11178	28.4	30.1012	3.91957
Mn 257.610	0.355805	ug/L	0.033431	9.4	172.012	0.35580
Mo 202.032	9.05014	ug/L	2.18144	24.1	95.7872	9.05014
Na 330.237	-38.6536uv	ug/L	0.999065	2.6	4.16992	-38.65359
Ni 216.555	0.360065	ug/L	0.112619	31.3	7.67304	0.36006
Pb 220.353	-0.024687uv	ug/L	0.308277	1248.7	7.45258	-0.02469
Sb 217.582	2.20025	ug/L	0.180670	8.2	7.51717	2.20025
Se 196.026	1.51807	ug/L	0.337043	22.2	3.63874	1.51807
Si 251.611	7.90315	ug/L	2.30768	29.2	106.634	7.90315
Si 288.158	7.29634	ug/L	2.30719	31.6	595.677	7.29634
Sn 283.998	0.770703	ug/L	0.008895	1.2	10.0892	0.77070
Sr 421.552	0.186336	ug/L	0.025489	13.7	536.575	0.18634
Ti 336.122	0.595486	ug/L	0.164249	27.6	188.138	0.59549
Tl 190.794	1.89806	ug/L	1.25340	66.0	3.26839	1.89806
V 292.401	0.452421	ug/L	0.137856	30.5	31.7770	0.45242
Zn 202.548	-0.102195uv	ug/L	0.052034	50.9	68.8198	-0.10219
Zr 339.198	0.563503	ug/L	0.140474	24.9	40.4132	0.56350

360-24965-A-2-A (Samp) **10/12/2009, 5:18:00 PM** **Rack 2, Tube 31**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	25.1327	ug/L	0.206553	0.8	231.922
Al 237.312	6746.24	ug/L	29.5158	0.4	31687.5
As 188.980	162.552	ug/L	1.11447	0.7	183.974
B 249.678	70.5135	ug/L	2.40303	3.4	2163.72
Ba 493.408	654.405	ug/L	2.62593	0.4	1718132
Be 313.042	0.403307	ug/L	0.002890	0.7	1584.30
Ca 373.690	90011.6	ug/L	443.074	0.5	442404
Cd 214.439	19.4067	ug/L	0.059774	0.3	794.321
Co 228.615	23.9711	ug/L	0.181427	0.8	236.983
Cr 267.716	17.9997	ug/L	0.262518	1.5	917.245
Cu 327.395	55.3533	ug/L	0.161741	0.3	4060.56
Fe 273.955	-x	ug/L	2832.36	0.4	8610984
K 404.721	1306.01	ug/L	91.7923	7.0	29.3677
Li 610.365	0.767515	ug/L	0.091943	12.0	82.6357
Mg 279.078	2722.70	ug/L	9.70287	0.4	12808.4
Mn 257.610	4414.89	ug/L	26.3860	0.6	1411529
Mo 202.032	17.3664	ug/L	2.21446	12.8	177.867
Na 330.237	45.8295	ug/L	5.69453	12.4	16.0828
Ni 216.555	95.9706	ug/L	1.26067	1.3	869.198
Pb 220.353	234.649	ug/L	1.20361	0.5	1243.55
Sb 217.582	-1.02502uv	ug/L	0.456157	44.5	0.753784
Se 196.026	-6.18503uv	ug/L	5.63440	91.1	-1.14027
Si 251.611	8835.94	ug/L	142.755	1.6	48938.3
Si 288.158	8891.22	ug/L	140.682	1.6	116969
Sn 283.998	3.42090	ug/L	0.133097	3.9	23.1790
Sr 421.552	366.015	ug/L	1.66494	0.5	948159
Ti 336.122	366.233	ug/L	0.683607	0.2	93610.8
Tl 190.794	2.56140	ug/L	1.19597	46.7	3.85001
V 292.401	86.1049	ug/L	0.453648	0.5	3561.23
Zn 202.548	324.850	ug/L	1.76947	0.5	8491.57
Zr 339.198	107.180	ug/L	10.2425	9.6	6542.01

360-24365-A-17-E (Samp) **10/12/2009, 5:20:54 PM** **Rack 2, Tube 32**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	24.5159	ug/L	0.141644	0.6	226.330
Al 237.312	99077.4	ug/L	199.189	0.2	419306
As 188.980	65.0204	ug/L	1.54186	2.4	74.2094
B 249.678	13.6731	ug/L	1.45965	10.7	429.576
Ba 493.408	406.549	ug/L	1.40541	0.3	1067519
Be 313.042	3.23121	ug/L	0.008525	0.3	11604.8
Ca 373.690	31425.6	ug/L	65.9750	0.2	164700
Cd 214.439	4.69458	ug/L	0.079687	1.7	194.633
Co 228.615	89.3671	ug/L	0.155090	0.2	853.083
Cr 267.716	1959.19	ug/L	4.29676	0.2	97722.3
Cu 327.395	312.330	ug/L	0.526316	0.2	22572.3
Fe 273.955	219698	ug/L	111.734	0.1	3007618
K 404.721	23147.4	ug/L	7.43153	0.0	335.039
Li 610.365	139.954	ug/L	0.395385	0.3	11311.8
Mg 279.078	54923.4	ug/L	81.5327	0.1	249377

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1604.14	ug/L	1.04547	0.1	512911
Mo 202.032	18.0520	ug/L	0.660736	3.7	184.634
Na 330.237	1131.30	ug/L	16.5007	1.5	169.518
Ni 216.555	165.422	ug/L	0.760041	0.5	1495.01
Pb 220.353	23.8537	ug/L	1.02593	4.3	133.227
Sb 217.582	0.693194uv	ug/L	2.58411	372.8	4.35687
Se 196.026	-3.70438uv	ug/L	0.407896	11.0	0.398727
Si 251.611	1967.49	ug/L	10.5926	0.5	10945.9
Si 288.158	1995.25	ug/L	13.0943	0.7	26636.5
Sn 283.998	842.680	ug/L	3.23947	0.4	4168.43
Sr 421.552	56.3556	ug/L	0.066213	0.1	146034
Ti 336.122	6168.77	ug/L	12.4748	0.2	1576192
Tl 190.794	-0.261666uv	ug/L	1.54934	592.1	1.37476
V 292.401	319.601	ug/L	0.938932	0.3	13182.8
Zn 202.548	278.592	ug/L	5.49997	2.0	7292.57
Zr 339.198	15.7932	ug/L	1.24185	7.9	969.138

360-24978-A-1-D (Samp) **10/12/2009, 5:23:48 PM** **Rack 2, Tube 33**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	5.97589	ug/L	0.959559	16.1	58.2362
Al 237.312	22185.3	ug/L	29.9775	0.1	99888.2
As 188.980	8.00943	ug/L	0.917106	11.5	10.0479
B 249.678	42.8664	ug/L	0.039784	0.1	1320.23
Ba 493.408	951.810	ug/L	0.890228	0.1	2498810
Be 313.042	0.602963	ug/L	0.000235	0.0	2291.77
Ca 373.690	-x	ug/L	81.5824	0.0	3753012
Cd 214.439	1.72625	ug/L	0.006986	0.4	73.6395
Co 228.615	10.9865	ug/L	0.289604	2.6	114.654
Cr 267.716	33.8971	ug/L	0.228106	0.7	1710.03
Cu 327.395	330.124	ug/L	0.982112	0.3	23854.1
Fe 273.955	23959.2	ug/L	51.2901	0.2	367291
K 404.721	14147.8	ug/L	303.029	2.1	202.271
Li 610.365	33.2652	ug/L	0.730820	2.2	2704.46
Mg 279.078	19511.8	ug/L	34.3085	0.2	90714.8
Mn 257.610	825.465	ug/L	1.65901	0.2	263965
Mo 202.032	10.0320	ug/L	0.257731	2.6	105.478
Na 330.237	987.896	ug/L	16.5180	1.7	149.207
Ni 216.555	24.5058	ug/L	0.488682	2.0	225.245
Pb 220.353	72.0423	ug/L	0.138749	0.2	387.051
Sb 217.582	9.47746	ug/L	0.085390	0.9	22.7775
Se 196.026	2.37514	ug/L	1.31548	55.4	4.17047
Si 251.611	3727.58	ug/L	8.28658	0.2	20681.8
Si 288.158	3788.56	ug/L	1.93211	0.1	50127.9
Sn 283.998	16.7198	ug/L	0.146624	0.9	88.8646
Sr 421.552	630.646	ug/L	0.334348	0.1	1633644
Ti 336.122	339.126	ug/L	9.25389	2.7	86684.8
Tl 190.794	0.009393uv	ug/L	0.160381	1707.4	1.61242
V 292.401	42.8682	ug/L	0.087736	0.2	1779.59
Zn 202.548	651.641	ug/L	3.43769	0.5	16962.0
Zr 339.198	61.1922	ug/L	7.16643	11.7	3737.62

360-25001-A-1-A (Samp) **10/12/2009, 5:26:42 PM** **Rack 2, Tube 34**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	3.70994	ug/L	0.591825	16.0	37.6919
Al 237.312	7374.73	ug/L	30.0006	0.4	34580.7
As 188.980	58.9979	ug/L	0.452014	0.8	67.4316
B 249.678	79.0994	ug/L	0.337649	0.4	2425.67
Ba 493.408	1232.01	ug/L	4.67664	0.4	3234328
Be 313.042	0.684657	ug/L	0.001273	0.2	2581.25
Ca 373.690	120849	ug/L	231.379	0.2	575688
Cd 214.439	30.4446	ug/L	0.078110	0.3	1244.25
Co 228.615	30.1674	ug/L	0.100949	0.3	295.358
Cr 267.716	33.3438	ug/L	0.074537	0.2	1682.44
Cu 327.395	57.1447	ug/L	0.049427	0.1	4189.60
Fe 273.955	-x	ug/L	5515.30	0.6	12497280
K 404.721	3896.50	ug/L	191.158	4.9	62.6792
Li 610.365	1.80901	ug/L	0.072651	4.0	166.660
Mg 279.078	2223.25	ug/L	4.14079	0.2	10464.3
Mn 257.610	7351.94	ug/L	23.2586	0.3	2350523
Mo 202.032	8.28445	ug/L	0.089786	1.1	88.2301
Na 330.237	265.438	ug/L	18.5303	7.0	47.0684
Ni 216.555	169.468	ug/L	0.277271	0.2	1531.46
Pb 220.353	538.830	ug/L	1.81403	0.3	2845.76
Sb 217.582	1.02637	ug/L	0.990769	96.5	5.05554
Se 196.026	-9.42289uv	ug/L	2.63541	28.0	-3.14905
Si 251.611	12985.7	ug/L	128.439	1.0	71892.2
Si 288.158	13044.6	ug/L	132.273	1.0	171376
Sn 283.998	3.83630	ug/L	0.122681	3.2	25.2307
Sr 421.552	737.920	ug/L	2.55416	0.3	1911523
Ti 336.122	405.894	ug/L	0.771823	0.2	103744
Tl 190.794	0.636117	ug/L	0.404317	63.6	2.16193
V 292.401	326.856	ug/L	1.41339	0.4	13481.8
Zn 202.548	922.537	ug/L	2.38187	0.3	23983.6
Zr 339.198	14.4017	ug/L	3.71868	25.8	884.280

360-25001-A-2-A (Samp) **10/12/2009, 5:29:35 PM** **Rack 2, Tube 35**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.43421	ug/L	0.391230	27.3	17.0590
Al 237.312	2909.42	ug/L	6.65623	0.2	13809.9
As 188.980	8.03230	ug/L	0.119705	1.5	10.0737
B 249.678	40.8799	ug/L	0.396577	1.0	1259.63
Ba 493.408	666.407	ug/L	2.73654	0.4	1749637
Be 313.042	0.238650	ug/L	0.003455	1.4	1000.84
Ca 373.690	56359.9	ug/L	89.9269	0.2	287548
Cd 214.439	12.5458	ug/L	0.095466	0.8	514.663
Co 228.615	16.0905	ug/L	0.558154	3.5	162.739
Cr 267.716	11.0201	ug/L	0.051975	0.5	569.179
Cu 327.395	26.4129	ug/L	0.183287	0.7	1975.78
Fe 273.955	434065	ug/L	920.366	0.2	5899120
K 404.721	1857.29	ug/L	260.429	14.0	36.3918
Li 610.365	1.00705	ug/L	0.031121	3.1	101.961
Mg 279.078	1904.72	ug/L	2.40133	0.1	8968.63

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	5003.75	ug/L	29.1039	0.6	1599790
Mo 202.032	2.73554	ug/L	0.226150	8.3	33.4633
Na 330.237	184.683	ug/L	13.0119	7.0	35.6709
Ni 216.555	69.2274	ug/L	0.120547	0.2	628.221
Pb 220.353	155.196	ug/L	0.347403	0.2	825.046
Sb 217.582	0.696890	ug/L	0.663531	95.2	4.36462
Se 196.026	-4.69034uv	ug/L	1.72616	36.8	-0.212967
Si 251.611	7597.19	ug/L	141.642	1.9	42086.3
Si 288.158	7660.63	ug/L	118.469	1.5	100849
Sn 283.998	3.74389	ug/L	1.34337	35.9	24.7743
Sr 421.552	370.201	ug/L	1.83909	0.5	959003
Ti 336.122	155.884	ug/L	0.482953	0.3	39865.2
Tl 190.794	1.68068uv	ug/L	2.64384	157.3	3.07779
V 292.401	92.9212	ug/L	0.311938	0.3	3842.11
Zn 202.548	513.817	ug/L	0.447639	0.1	13389.6
Zr 339.198	10.0207	ug/L	2.84437	28.4	617.125

360-25001-A-3-A (Samp) **10/12/2009, 5:32:29 PM** **Rack 2, Tube 36**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	4.39018	ug/L	0.206630	4.7	43.8594
Al 237.312	4524.55	ug/L	5.69622	0.1	21380.7
As 188.980	13.9659	ug/L	0.017526	0.1	16.7515
B 249.678	67.5484	ug/L	0.778502	1.2	2073.26
Ba 493.408	1159.43	ug/L	0.496321	0.0	3043806
Be 313.042	0.333744	ug/L	0.001406	0.4	1337.80
Ca 373.690	117192	ug/L	252.824	0.2	559947
Cd 214.439	24.8874	ug/L	0.253801	1.0	1017.73
Co 228.615	34.7948	ug/L	0.141886	0.4	338.953
Cr 267.716	12.6332	ug/L	0.016000	0.1	649.620
Cu 327.395	49.8972	ug/L	0.085526	0.2	3667.52
Fe 273.955	-x	ug/L	814.013	0.1	10163030
K 404.721	1364.57	ug/L	449.695	33.0	30.1177
Li 610.365	1.28161	ug/L	0.158483	12.4	124.111
Mg 279.078	1862.10	ug/L	3.29402	0.2	8768.45
Mn 257.610	8080.86	ug/L	16.7437	0.2	2583564
Mo 202.032	3.58771	ug/L	0.245447	6.8	41.8741
Na 330.237	511.895	ug/L	36.5736	7.1	81.8766
Ni 216.555	133.419	ug/L	0.238795	0.2	1206.64
Pb 220.353	139.376	ug/L	0.122246	0.1	741.721
Sb 217.582	0.687023uv	ug/L	1.05445	153.5	4.34393
Se 196.026	-11.2989uv	ug/L	0.405147	3.6	-4.31293
Si 251.611	14358.0	ug/L	175.905	1.2	79483.2
Si 288.158	14650.8	ug/L	190.508	1.3	192417
Sn 283.998	2.61638	ug/L	0.353643	13.5	19.2053
Sr 421.552	918.259	ug/L	1.12380	0.1	2378663
Ti 336.122	244.252	ug/L	1.00149	0.4	62443.8
Tl 190.794	2.48619uv	ug/L	3.97692	160.0	3.78406
V 292.401	76.0267	ug/L	0.299454	0.4	3145.94
Zn 202.548	4634.84	ug/L	37.0755	0.8	120206
Zr 339.198	6.07862	ug/L	1.90688	31.4	376.731

360-25001-A-4-A (Samp) **10/12/2009, 5:35:22 PM** **Rack 2, Tube 37**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	2.96028	ug/L	0.240732	8.1	30.8951
Al 237.312	7896.40	ug/L	4.67526	0.1	36974.6
As 188.980	20.3604	ug/L	1.38902	6.8	23.9480
B 249.678	42.7698	ug/L	0.883476	2.1	1317.29
Ba 493.408	721.921	ug/L	0.677198	0.1	1895359
Be 313.042	0.669451	ug/L	0.004114	0.6	2527.36
Ca 373.690	79117.0	ug/L	390.439	0.5	393645
Cd 214.439	17.7101	ug/L	0.376481	2.1	725.165
Co 228.615	30.3977	ug/L	0.358320	1.2	297.527
Cr 267.716	17.4071	ug/L	0.066804	0.4	887.693
Cu 327.395	35.7665	ug/L	0.263992	0.7	2649.58
Fe 273.955	-x	ug/L	729.734	0.1	8424092
K 404.721	1978.12	ug/L	339.911	17.2	37.9373
Li 610.365	0.693919	ug/L	0.044662	6.4	76.6982
Mg 279.078	2099.81	ug/L	1.37226	0.1	9884.77
Mn 257.610	5549.94	ug/L	2.30017	0.0	1774410
Mo 202.032	4.50922	ug/L	0.364028	8.1	50.9692
Na 330.237	-191.118uv	ug/L	42.4957	22.2	-17.3278
Ni 216.555	103.139	ug/L	1.23273	1.2	933.787
Pb 220.353	289.776	ug/L	1.34531	0.5	1533.92
Sb 217.582	-0.381775uv	ug/L	0.088416	23.2	2.10266
Se 196.026	-6.88220uv	ug/L	0.289079	4.2	-1.57280
Si 251.611	9314.38	ug/L	173.818	1.9	51584.8
Si 288.158	9385.70	ug/L	188.084	2.0	123447
Sn 283.998	4.75475	ug/L	0.918954	19.3	29.7671
Sr 421.552	602.064	ug/L	0.033836	0.0	1559607
Ti 336.122	366.749	ug/L	0.442330	0.1	93742.4
Tl 190.794	2.01109	ug/L	0.821384	40.8	3.36749
V 292.401	110.812	ug/L	0.182592	0.2	4579.32
Zn 202.548	2301.03	ug/L	10.9671	0.5	59714.2
Zr 339.198	4.61756	ug/L	1.14261	24.7	287.634

360-25001-A-5-A (Samp) **10/12/2009, 5:38:17 PM** **Rack 2, Tube 38**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.73779	ug/L	0.680602	39.2	19.8113
Al 237.312	2796.97	ug/L	0.999893	0.0	13280.3
As 188.980	5.48265	ug/L	0.691712	12.6	7.20424
B 249.678	15.8972	ug/L	0.327097	2.1	497.428
Ba 493.408	123.903	ug/L	0.061155	0.0	325584
Be 313.042	0.135377	ug/L	0.001229	0.9	634.898
Ca 373.690	14358.5	ug/L	22.0736	0.2	76636.0
Cd 214.439	2.09932	ug/L	0.032435	1.5	88.8465
Co 228.615	3.34612	ug/L	0.206353	6.2	42.6726
Cr 267.716	10.9344	ug/L	0.062673	0.6	564.902
Cu 327.395	52.8621	ug/L	0.498757	0.9	3881.10
Fe 273.955	57633.1	ug/L	30.8724	0.1	821582
K 404.721	1589.67	ug/L	286.822	18.0	32.9788
Li 610.365	0.332477	ug/L	0.022066	6.6	47.5381
Mg 279.078	1331.31	ug/L	0.424247	0.0	6274.47

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	98.4805	ug/L	0.006048	0.0	31543.1
Mo 202.032	2.57078	ug/L	0.325867	12.7	31.8371
Na 330.237	703.244	ug/L	50.2682	7.1	108.927
Ni 216.555	19.6509	ug/L	0.159896	0.8	181.499
Pb 220.353	183.713	ug/L	0.979059	0.5	975.254
Sb 217.582	0.387829	ug/L	0.153884	39.7	3.71652
Se 196.026	0.264421uv	ug/L	0.978504	370.1	2.86098
Si 251.611	3081.04	ug/L	13.1674	0.4	17105.5
Si 288.158	3141.92	ug/L	14.9756	0.5	41657.2
Sn 283.998	7.58700	ug/L	1.00983	13.3	43.7561
Sr 421.552	173.654	ug/L	0.155208	0.1	449878
Ti 336.122	231.688	ug/L	0.785914	0.3	59233.5
Tl 190.794	0.049794uv	ug/L	1.18211	2374.0	1.64784
V 292.401	70.4042	ug/L	0.034883	0.0	2914.26
Zn 202.548	114.042	ug/L	0.521655	0.5	3027.42
Zr 339.198	8.54169	ug/L	2.59317	30.4	526.932

360-25001-A-6-A (Samp) **10/12/2009, 5:41:10 PM** **Rack 2, Tube 39**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	17.5276	ug/L	0.320626	1.8	162.970
Al 237.312	11219.9	ug/L	35.6371	0.3	52065.5
As 188.980	172.194	ug/L	1.48183	0.9	194.825
B 249.678	113.082	ug/L	1.39415	1.2	3462.45
Ba 493.408	492.101	ug/L	0.945147	0.2	1292091
Be 313.042	0.929881	ug/L	0.001481	0.2	3450.19
Ca 373.690	89083.1	ug/L	52.7347	0.1	438300
Cd 214.439	43.9511	ug/L	0.307957	0.7	1794.80
Co 228.615	45.4111	ug/L	0.111135	0.2	438.970
Cr 267.716	23.6585	ug/L	0.166482	0.7	1199.44
Cu 327.395	62.7730	ug/L	0.415526	0.7	4595.04
Fe 273.955	-x	ug/L	5858.20	0.5	16270370
K 404.721	10011.5	ug/L	716.828	7.2	144.467
Li 610.365	2.36630	ug/L	0.099390	4.2	211.621
Mg 279.078	1516.49	ug/L	6.00782	0.4	7144.75
Mn 257.610	1538.43	ug/L	3.04474	0.2	491904
Mo 202.032	31.0030	ug/L	0.144442	0.5	312.458
Na 330.237	77.3925	ug/L	47.0311	60.8	20.5347
Ni 216.555	193.218	ug/L	1.37589	0.7	1745.47
Pb 220.353	336.240	ug/L	0.474246	0.1	1778.66
Sb 217.582	2.09490	ug/L	0.521028	24.9	7.29627
Se 196.026	-12.4836uv	ug/L	4.67791	37.5	-5.04794
Si 251.611	13151.0	ug/L	43.9953	0.3	72807.0
Si 288.158	13231.8	ug/L	36.6736	0.3	173828
Sn 283.998	1.09035uv	ug/L	1.81568	166.5	11.6680
Sr 421.552	114.672	ug/L	0.412934	0.4	297095
Ti 336.122	583.853	ug/L	2.07924	0.4	149214
Tl 190.794	-0.927190uv	ug/L	0.105682	11.4	0.791229
V 292.401	116.620	ug/L	0.284829	0.2	4818.68
Zn 202.548	485.617	ug/L	1.72057	0.4	12658.6
Zr 339.198	8.05227	ug/L	0.751698	9.3	497.087

360-25001-A-7-A (Samp) **10/12/2009, 5:44:04 PM** **Rack 2, Tube 40**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	28.0196	ug/L	0.374531	1.3	258.096
Al 237.312	7544.26	ug/L	6.93641	0.1	35359.4
As 188.980	133.968	ug/L	0.646599	0.5	151.805
B 249.678	68.3227	ug/L	1.39037	2.0	2096.88
Ba 493.408	619.773	ug/L	0.024169	0.0	1627225
Be 313.042	0.631576	ug/L	0.001744	0.3	2393.16
Ca 373.690	88686.9	ug/L	24.6106	0.0	436546
Cd 214.439	22.9589	ug/L	0.074989	0.3	939.118
Co 228.615	40.4192	ug/L	0.422628	1.0	391.941
Cr 267.716	16.3527	ug/L	0.094325	0.6	835.110
Cu 327.395	57.2212	ug/L	0.084488	0.1	4195.11
Fe 273.955	-x	ug/L	763.808	0.1	9658917
K 404.721	1849.22	ug/L	1161.73	62.8	36.3267
Li 610.365	0.871094	ug/L	0.121986	14.0	90.9922
Mg 279.078	3099.01	ug/L	2.20902	0.1	14573.4
Mn 257.610	4115.69	ug/L	11.3441	0.3	1315872
Mo 202.032	9.59054	ug/L	0.177398	1.8	101.121
Na 330.237	88.0442	ug/L	48.4169	55.0	22.0371
Ni 216.555	106.365	ug/L	0.864219	0.8	962.858
Pb 220.353	134.321	ug/L	0.587591	0.4	715.094
Sb 217.582	2.11411	ug/L	2.02583	95.8	7.33655
Se 196.026	-10.5326uv	ug/L	1.11190	10.6	-3.83754
Si 251.611	6000.94	ug/L	89.3247	1.5	33256.7
Si 288.158	6057.56	ug/L	70.4003	1.2	79850.2
Sn 283.998	3.27837	ug/L	0.295448	9.0	22.4750
Sr 421.552	301.098	ug/L	0.236249	0.1	780002
Ti 336.122	346.617	ug/L	1.48890	0.4	88598.6
Tl 190.794	-0.393563uv	ug/L	0.119341	30.3	1.25911
V 292.401	69.9082	ug/L	0.171463	0.2	2893.82
Zn 202.548	358.547	ug/L	0.052351	0.0	9364.98
Zr 339.198	5.43874	ug/L	1.05615	19.4	337.711

CCV (CCV) **10/12/2009, 5:46:58 PM** **Rack 4, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	999.808	ug/L	0.732311	0.1	9068.84	99.98084
Al 237.312	5023.07	ug/L	6.14195	0.1	23704.2	100.46140
As 188.980	981.948	ug/L	0.959885	0.1	1106.14	98.19479
B 249.678	968.208	ug/L	7.08000	0.7	29551.5	96.82085
Ba 493.408	1007.61	ug/L	0.044539	0.0	2645283	100.76100
Be 313.042	995.193	ug/L	1.08168	0.1	3526573	99.51933
Ca 373.690	19652.7	ug/L	11.7170	0.1	104299	98.26365
Cd 214.439	976.947	ug/L	0.218813	0.0	39825.2	97.69474
Co 228.615	985.082	ug/L	1.99154	0.2	9291.68	98.50819
Cr 267.716	993.574	ug/L	0.309143	0.0	49568.2	99.35738
Cu 327.395	1005.46	ug/L	0.035951	0.0	72503.2	100.54600
Fe 273.955	4985.46	ug/L	2.87849	0.1	83145.4	99.70927
K 404.721	21694.5	ug/L	26.7527	0.1	312.956	108.47230
Li 610.365	4944.02	ug/L	4.09141	0.1	398890	98.88043
Mg 279.078	19706.2	ug/L	9.76967	0.0	91606.6	98.53091

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	994.903	ug/L	0.769643	0.1	318135	99.49027
Mo 202.032	988.631	ug/L	0.165383	0.0	9764.08	98.86314
Na 330.237	20164.0	ug/L	30.6127	0.2	2974.56	100.81990
Ni 216.555	994.092	ug/L	7.78076	0.8	8961.96	99.40920
Pb 220.353	990.661	ug/L	1.11931	0.1	5225.69	99.06606
Sb 217.582	996.817	ug/L	2.58726	0.3	2093.23	99.68166
Se 196.026	973.099	ug/L	7.38155	0.8	606.409	97.30995
Si 251.611	1034.37	ug/L	17.5566	1.7	5784.45	103.43680
Si 288.158	1029.27	ug/L	17.3101	1.7	13982.9	102.92740
Sn 283.998	988.024	ug/L	0.212210	0.0	4886.31	98.80238
Sr 421.552	1006.09	ug/L	0.333053	0.0	2606182	100.60930
Ti 336.122	999.483	ug/L	1.45862	0.1	255410	99.94828
Tl 190.794	985.997	ug/L	1.98757	0.2	866.120	98.59971
V 292.401	993.446	ug/L	0.675731	0.1	40949.8	99.34457
Zn 202.548	968.173	ug/L	0.562138	0.1	25166.5	96.81734
Zr 339.198	859.789	ug/L	0.858291	0.1	52436.9	85.97890Q

CCB (CCB) **10/12/2009, 5:49:52 PM** **Rack 4, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.217684	ug/L	0.007369	3.4	6.02930	0.21768
Al 237.312	2.47978	ug/L	0.362767	14.6	18.8129	2.47978
As 188.980	2.35462	ug/L	0.417237	17.7	3.68388	2.35462
B 249.678	29.8257	ug/L	4.78935	16.1	922.375	29.82572
Ba 493.408	0.150079	ug/L	0.008683	5.8	738.377	0.15008
Be 313.042	0.150753	ug/L	0.000669	0.4	689.383	0.15075
Ca 373.690	5.57949	ug/L	0.218173	3.9	74.1899	5.57949
Cd 214.439	0.138299	ug/L	0.016780	12.1	8.91187	0.13830
Co 228.615	0.186860	ug/L	0.003976	2.1	12.9090	0.18686
Cr 267.716	0.200615	ug/L	0.006830	3.4	29.6210	0.20061
Cu 327.395	0.391349	ug/L	0.162123	41.4	101.272	0.39135
Fe 273.955	7.43465	ug/L	1.69689	22.8	174.675	7.43465
K 404.721	-37.2507uv	ug/L	261.879	703.0	12.4070	-37.25069
Li 610.365	-0.429834uv	ug/L	0.090385	21.0	-13.9629	-0.42983
Mg 279.078	2.89581	ug/L	0.635745	22.0	25.2810	2.89581
Mn 257.610	0.358956	ug/L	0.005404	1.5	173.020	0.35896
Mo 202.032	9.63044	ug/L	2.48131	25.8	101.515	9.63044
Na 330.237	0.838864uv	ug/L	7.38150	879.9	9.73840	0.83886
Ni 216.555	0.702837	ug/L	0.007192	1.0	10.7617	0.70284
Pb 220.353	0.070261uv	ug/L	0.457877	651.7	7.95270	0.07026
Sb 217.582	1.59112	ug/L	0.170565	10.7	6.23982	1.59112
Se 196.026	1.47707	ug/L	0.523956	35.5	3.61331	1.47707
Si 251.611	12.5188	ug/L	3.34254	26.7	132.165	12.51883
Si 288.158	11.5903	ug/L	3.57306	30.8	651.924	11.59028
Sn 283.998	2.03345	ug/L	0.404760	19.9	16.3261	2.03345
Sr 421.552	0.174527	ug/L	0.002089	1.2	505.985	0.17453
Ti 336.122	0.610565	ug/L	0.150164	24.6	191.991	0.61056
Tl 190.794	1.58937	ug/L	0.651054	41.0	2.99773	1.58937
V 292.401	0.410383	ug/L	0.133136	32.4	30.0448	0.41038
Zn 202.548	0.033103uv	ug/L	0.050586	152.8	72.3267	0.03310
Zr 339.198	0.474800	ug/L	0.141102	29.7	35.0040	0.47480

360-25021-A-7-A (Samp) **10/12/2009, 5:52:45 PM** **Rack 2, Tube 41**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	141.659	ug/L	1.23178	0.9	1288.41
Al 237.312	95642.2	ug/L	193.803	0.2	405040
As 188.980	140.083	ug/L	0.832860	0.6	158.686
B 249.678	192.441	ug/L	0.123929	0.1	5883.59
Ba 493.408	1413.74	ug/L	1.23191	0.1	3711367
Be 313.042	4.51229	ug/L	0.014408	0.3	16144.3
Ca 373.690	44676.0	ug/L	90.0180	0.2	230842
Cd 214.439	136.201	ug/L	0.037256	0.0	5555.03
Co 228.615	220.628	ug/L	0.830486	0.4	2089.70
Cr 267.716	8377.35	ug/L	25.1845	0.3	417790
Cu 327.395	13539.8	ug/L	82.0334	0.6	975437
Fe 273.955	535193	ug/L	1311.86	0.2	7263206
K 404.721	13225.3	ug/L	128.807	1.0	189.199
Li 610.365	66.8173	ug/L	0.272642	0.4	5411.33
Mg 279.078	19684.1	ug/L	45.3957	0.2	91505.1
Mn 257.610	8560.61	ug/L	32.9281	0.4	2736942
Mo 202.032	1163.78	ug/L	1.80212	0.2	11492.7
Na 330.237	1873.79	ug/L	26.5041	1.4	274.878
Ni 216.555	7857.57	ug/L	29.3190	0.4	70807.2
Pb 220.353	-x	ug/L	103.403	0.2	279771
Sb 217.582	417.549	ug/L	0.410781	0.1	878.505
Se 196.026	18.0098	ug/L	1.31736	7.3	13.8702
Si 251.611	4530.02	ug/L	68.2189	1.5	25120.4
Si 288.158	4587.90	ug/L	61.4081	1.3	60598.7
Sn 283.998	4173.92	ug/L	9.10262	0.2	20622.0
Sr 421.552	122.972	ug/L	0.225718	0.2	318594
Ti 336.122	2750.35	ug/L	1.19307	0.0	702765
Tl 190.794	5.94128	ug/L	3.85433	64.9	6.81346
V 292.401	673.117	ug/L	1.89284	0.3	27750.1
Zn 202.548	10800.1	ug/L	30.6728	0.3	280009
Zr 339.198	209.315	ug/L	0.979361	0.5	12770.3

360-25021-A-8-A (Samp) **10/12/2009, 5:55:39 PM** **Rack 2, Tube 42**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	10.4441	ug/L	0.930255	8.9	98.7471
Al 237.312	-x	ug/L	1016.84	0.3	1472681
As 188.980	106.735	ug/L	0.680802	0.6	121.156
B 249.678	92.3650	ug/L	0.438543	0.5	2830.39
Ba 493.408	892.297	ug/L	2.25321	0.3	2342588
Be 313.042	4.88900	ug/L	0.009958	0.2	17479.1
Ca 373.690	24543.2	ug/L	37.0154	0.2	129577
Cd 214.439	35.7561	ug/L	0.241622	0.7	1460.75
Co 228.615	78.7915	ug/L	0.555626	0.7	753.449
Cr 267.716	719.745	ug/L	0.990226	0.1	35912.6
Cu 327.395	4961.70	ug/L	8.27847	0.2	357498
Fe 273.955	304344	ug/L	738.396	0.2	4149370
K 404.721	15949.9	ug/L	302.845	1.9	228.092
Li 610.365	97.7140	ug/L	0.087558	0.1	7904.00
Mg 279.078	22081.9	ug/L	25.4862	0.1	102489

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	2794.36	ug/L	8.37203	0.3	893433
Mo 202.032	72.2945	ug/L	1.14651	1.6	719.998
Na 330.237	1648.42	ug/L	6.32961	0.4	242.862
Ni 216.555	775.313	ug/L	0.749790	0.1	6990.59
Pb 220.353	2286.51	ug/L	1.69371	0.1	12051.3
Sb 217.582	5.15894	ug/L	1.75210	34.0	13.7216
Se 196.026	3.67922	ug/L	3.38094	91.9	4.97952
Si 251.611	4951.71	ug/L	112.201	2.3	27453.0
Si 288.158	5017.05	ug/L	99.5008	2.0	66220.2
Sn 283.998	368.758	ug/L	1.15854	0.3	1827.64
Sr 421.552	77.2878	ug/L	0.176259	0.2	200256
Ti 336.122	4092.72	ug/L	23.7091	0.6	1045749
Tl 190.794	-0.198720uv	ug/L	0.503231	253.2	1.42995
V 292.401	223.066	ug/L	0.406735	0.2	9204.95
Zn 202.548	3498.00	ug/L	39.5094	1.1	90739.4
Zr 339.198	73.5108	ug/L	3.43847	4.7	4488.82

360-25021-A-9-A (Samp) **10/12/2009, 5:58:33 PM** **Rack 2, Tube 43**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	982.007	ug/L	5.17551	0.5	8907.45
Al 237.312	166742	ug/L	222.087	0.1	700305
As 188.980	184.510	ug/L	1.77198	1.0	208.686
B 249.678	283.066	ug/L	2.18979	0.8	8648.49
Ba 493.408	1824.78	ug/L	0.118513	0.0	4790332
Be 313.042	7.51130	ug/L	0.011077	0.1	26771.1
Ca 373.690	-x	ug/L	271.927	0.1	1676242
Cd 214.439	194.071	ug/L	0.564814	0.3	7913.91
Co 228.615	262.503	ug/L	0.016745	0.0	2484.21
Cr 267.716	-x	ug/L	142.026	0.3	2735072
Cu 327.395	14994.6	ug/L	42.6688	0.3	1080236
Fe 273.955	-x	ug/L	41.8519	0.0	11024410
K 404.721	20501.6	ug/L	146.232	0.7	295.013
Li 610.365	108.168	ug/L	1.36356	1.3	8747.42
Mg 279.078	38798.5	ug/L	53.3617	0.1	178081
Mn 257.610	8491.17	ug/L	9.44996	0.1	2714741
Mo 202.032	1314.46	ug/L	2.60547	0.2	12979.9
Na 330.237	3388.72	ug/L	31.8423	0.9	490.873
Ni 216.555	7859.35	ug/L	9.76933	0.1	70823.2
Pb 220.353	9640.43	ug/L	13.0753	0.1	50786.7
Sb 217.582	63.0713	ug/L	0.055240	0.1	135.164
Se 196.026	1162.82	ug/L	4.95605	0.4	724.114
Si 251.611	3489.82	ug/L	2.92873	0.1	19366.6
Si 288.158	3458.75	ug/L	0.710905	0.0	45807.6
Sn 283.998	-x	ug/L	2.50388	0.0	131628
Sr 421.552	613.146	ug/L	0.596233	0.1	1588315
Ti 336.122	3792.17	ug/L	2.19711	0.1	968956
Tl 190.794	11.8902	ug/L	0.096428	0.8	12.0294
V 292.401	439.445	ug/L	0.722363	0.2	18121.2
Zn 202.548	21814.6	ug/L	139.607	0.6	565504
Zr 339.198	264.958	ug/L	1.72100	0.6	16163.5

360-25046-A-1-B (Samp) **10/12/2009, 6:01:28 PM** **Rack 2, Tube 44**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.413125uv	ug/L	0.760526	184.1	7.80127
Al 237.312	69585.5	ug/L	10.2807	0.0	296832
As 188.980	28.7629	ug/L	0.558394	1.9	33.4044
B 249.678	41.9752	ug/L	1.25981	3.0	1293.04
Ba 493.408	312.433	ug/L	0.158327	0.1	820469
Be 313.042	3.39923	ug/L	0.010292	0.3	12200.2
Ca 373.690	19044.5	ug/L	30.6915	0.2	101137
Cd 214.439	3.58449	ug/L	0.037727	1.1	149.384
Co 228.615	53.6197	ug/L	0.104451	0.2	516.304
Cr 267.716	91.9988	ug/L	0.010606	0.0	4607.51
Cu 327.395	135.113	ug/L	0.085918	0.1	9806.21
Fe 273.955	134079	ug/L	489.671	0.4	1852730
K 404.721	19997.1	ug/L	638.682	3.2	287.487
Li 610.365	54.0275	ug/L	0.073286	0.1	4379.50
Mg 279.078	21551.2	ug/L	46.0724	0.2	100060
Mn 257.610	3973.05	ug/L	6.73961	0.2	1270271
Mo 202.032	12.3383	ug/L	1.86775	15.1	128.241
Na 330.237	1076.52	ug/L	13.7490	1.3	161.757
Ni 216.555	84.0474	ug/L	0.237765	0.3	761.760
Pb 220.353	77.1965	ug/L	0.504991	0.7	414.200
Sb 217.582	-0.131377uv	ug/L	1.34147	1021.1	2.62775
Se 196.026	0.615023	ug/L	0.626365	101.8	3.07849
Si 251.611	3135.58	ug/L	36.0181	1.1	17407.2
Si 288.158	3187.25	ug/L	36.1464	1.1	42251.1
Sn 283.998	31.7024	ug/L	0.675306	2.1	162.866
Sr 421.552	65.0282	ug/L	0.031727	0.0	168499
Ti 336.122	3642.60	ug/L	8.61545	0.2	930742
Tl 190.794	0.924867	ug/L	0.707433	76.5	2.41510
V 292.401	473.565	ug/L	0.853565	0.2	19527.2
Zn 202.548	211.339	ug/L	0.015159	0.0	5549.37
Zr 339.198	36.7544	ug/L	1.67472	4.6	2247.38

360-25046-A-3-B (Samp) **10/12/2009, 6:04:22 PM** **Rack 2, Tube 45**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.255167	ug/L	0.229670	90.0	6.36914
Al 237.312	50764.2	ug/L	155.923	0.3	218671
As 188.980	16.0876	ug/L	0.681376	4.2	19.1393
B 249.678	27.1566	ug/L	0.364953	1.3	840.943
Ba 493.408	299.502	ug/L	1.20192	0.4	786527
Be 313.042	3.34962	ug/L	0.006952	0.2	12024.4
Ca 373.690	17209.5	ug/L	63.5899	0.4	91571.5
Cd 214.439	3.12483	ug/L	0.080330	2.6	130.648
Co 228.615	51.7987	ug/L	0.024196	0.0	499.149
Cr 267.716	78.8227	ug/L	0.277266	0.4	3950.43
Cu 327.395	126.672	ug/L	0.710829	0.6	9198.12
Fe 273.955	117581	ug/L	512.260	0.4	1630192
K 404.721	13438.7	ug/L	784.012	5.8	192.231
Li 610.365	39.9030	ug/L	0.253029	0.6	3239.97
Mg 279.078	16203.2	ug/L	92.1006	0.6	75498.3

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	3641.58	ug/L	12.2537	0.3	1164297
Mo 202.032	7.83976	ug/L	0.605606	7.7	83.8410
Na 330.237	1068.80	ug/L	23.7753	2.2	160.664
Ni 216.555	66.8903	ug/L	0.025156	0.0	607.161
Pb 220.353	43.8838	ug/L	0.137983	0.3	238.732
Sb 217.582	-0.959338uv	ug/L	0.200315	20.9	0.891510
Se 196.026	-0.416885uv	ug/L	3.44487	826.3	2.43829
Si 251.611	3674.52	ug/L	36.1714	1.0	20388.3
Si 288.158	3738.31	ug/L	37.6044	1.0	49469.6
Sn 283.998	24.7737	ug/L	0.101186	0.4	128.644
Sr 421.552	54.5076	ug/L	0.199931	0.4	141248
Ti 336.122	3056.35	ug/L	20.2641	0.7	780952
Tl 190.794	-0.353206uv	ug/L	0.214440	60.7	1.29449
V 292.401	267.628	ug/L	0.851644	0.3	11041.2
Zn 202.548	149.955	ug/L	0.656903	0.4	3958.30
Zr 339.198	33.0606	ug/L	0.712917	2.2	2022.12

360-25046-A-5-B (Samp) **10/12/2009, 6:07:17 PM** **Rack 2, Tube 46**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.050059	ug/L	0.056475	112.8	4.50952
Al 237.312	74375.0	ug/L	208.652	0.3	316722
As 188.980	16.5184	ug/L	0.731173	4.4	19.6241
B 249.678	49.5010	ug/L	0.204921	0.4	1522.65
Ba 493.408	744.399	ug/L	4.19107	0.6	1954362
Be 313.042	3.28623	ug/L	0.007381	0.2	11799.8
Ca 373.690	55172.7	ug/L	215.096	0.4	281855
Cd 214.439	5.67963	ug/L	0.045284	0.8	234.786
Co 228.615	66.5843	ug/L	0.692713	1.0	638.445
Cr 267.716	104.237	ug/L	0.111149	0.1	5217.80
Cu 327.395	220.895	ug/L	0.865293	0.4	15985.7
Fe 273.955	149708	ug/L	142.460	0.1	2063543
K 404.721	15439.5	ug/L	279.951	1.8	220.738
Li 610.365	68.4150	ug/L	0.521596	0.8	5540.24
Mg 279.078	28336.1	ug/L	27.7028	0.1	130970
Mn 257.610	4417.13	ug/L	4.12214	0.1	1412243
Mo 202.032	20.0046	ug/L	0.309622	1.5	203.906
Na 330.237	2163.11	ug/L	10.3691	0.5	316.022
Ni 216.555	95.7820	ug/L	0.448086	0.5	867.498
Pb 220.353	811.187	ug/L	1.19428	0.1	4280.35
Sb 217.582	-0.468845uv	ug/L	0.126511	27.0	1.92007
Se 196.026	-4.51439uv	ug/L	0.054504	1.2	-0.103805
Si 251.611	3936.96	ug/L	24.0237	0.6	21839.9
Si 288.158	4007.13	ug/L	32.0763	0.8	52991.0
Sn 283.998	35.1463	ug/L	0.009438	0.0	179.876
Sr 421.552	215.780	ug/L	0.637169	0.3	558999
Ti 336.122	4525.47	ug/L	5.47110	0.1	1156320
Tl 190.794	-0.801080uv	ug/L	0.885066	110.5	0.901802
V 292.401	370.666	ug/L	0.690253	0.2	15287.0
Zn 202.548	403.396	ug/L	1.64943	0.4	10527.5
Zr 339.198	51.9374	ug/L	1.47096	2.8	3173.25

360-25046-A-7-B (Samp) **10/12/2009, 6:10:11 PM** **Rack 2, Tube 47**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.458458	ug/L	0.543062	118.5	8.21228
Al 237.312	51826.9	ug/L	97.1581	0.2	223084
As 188.980	14.1023	ug/L	1.28497	9.1	16.9050
B 249.678	23.8240	ug/L	0.542406	2.3	739.269
Ba 493.408	306.574	ug/L	0.856996	0.3	805090
Be 313.042	3.40715	ug/L	0.006857	0.2	12228.2
Ca 373.690	19961.3	ug/L	97.1098	0.5	105902
Cd 214.439	2.90110	ug/L	0.065465	2.3	121.528
Co 228.615	45.9849	ug/L	0.203850	0.4	444.376
Cr 267.716	75.2315	ug/L	0.069010	0.1	3771.33
Cu 327.395	161.223	ug/L	0.484971	0.3	11687.1
Fe 273.955	112768	ug/L	162.264	0.1	1565270
K 404.721	14163.8	ug/L	631.927	4.5	202.508
Li 610.365	44.5029	ug/L	0.155127	0.3	3611.08
Mg 279.078	18645.8	ug/L	11.0306	0.1	86738.5
Mn 257.610	3502.96	ug/L	14.5209	0.4	1119978
Mo 202.032	9.17626	ug/L	0.270997	3.0	97.0320
Na 330.237	1285.93	ug/L	9.74516	0.8	191.433
Ni 216.555	69.2361	ug/L	1.21948	1.8	628.299
Pb 220.353	58.0223	ug/L	0.044688	0.1	313.204
Sb 217.582	1.44168	ug/L	0.271751	18.8	5.92645
Se 196.026	-4.99720uv	ug/L	1.37897	27.6	-0.403343
Si 251.611	5416.20	ug/L	78.3590	1.4	30022.3
Si 288.158	5451.51	ug/L	85.6511	1.6	71911.4
Sn 283.998	24.5981	ug/L	0.335782	1.4	127.777
Sr 421.552	59.4766	ug/L	0.049430	0.1	154119
Ti 336.122	3431.74	ug/L	1.16873	0.0	876866
Tl 190.794	-1.18185uv	ug/L	0.106666	9.0	0.567947
V 292.401	261.118	ug/L	0.573834	0.2	10773.0
Zn 202.548	150.663	ug/L	0.658262	0.4	3976.64
Zr 339.198	36.5441	ug/L	0.821412	2.2	2234.55

360-25046-A-9-B (Samp) **10/12/2009, 6:13:05 PM** **Rack 2, Tube 48**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.104870uv	ug/L	0.119747	114.2	3.10486
Al 237.312	75349.1	ug/L	480.805	0.6	320767
As 188.980	28.0074	ug/L	2.09440	7.5	32.5541
B 249.678	30.9739	ug/L	0.354433	1.1	957.404
Ba 493.408	532.667	ug/L	3.95249	0.7	1398574
Be 313.042	4.95985	ug/L	0.026556	0.5	17730.2
Ca 373.690	30045.7	ug/L	152.835	0.5	157700
Cd 214.439	5.85685	ug/L	0.140353	2.4	242.010
Co 228.615	96.1332	ug/L	0.046509	0.0	916.827
Cr 267.716	95.7549	ug/L	0.638237	0.7	4794.82
Cu 327.395	367.626	ug/L	3.12000	0.8	26555.7
Fe 273.955	222309	ug/L	844.208	0.4	3042835
K 404.721	10519.7	ug/L	673.310	6.4	151.460
Li 610.365	58.9970	ug/L	0.438867	0.7	4780.42
Mg 279.078	29508.7	ug/L	150.873	0.5	136284

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	4321.77	ug/L	23.1453	0.5	1381757
Mo 202.032	8.31310	ug/L	0.226283	2.7	88.5128
Na 330.237	3220.66	ug/L	38.7733	1.2	466.844
Ni 216.555	103.639	ug/L	0.674387	0.7	938.299
Pb 220.353	510.664	ug/L	2.67705	0.5	2697.41
Sb 217.582	-0.973003uv	ug/L	0.424668	43.6	0.862854
Se 196.026	-2.92026uv	ug/L	1.40271	48.0	0.885193
Si 251.611	3234.32	ug/L	11.6616	0.4	17953.3
Si 288.158	3289.20	ug/L	3.63549	0.1	43586.5
Sn 283.998	28.9060	ug/L	1.34666	4.7	149.054
Sr 421.552	86.6851	ug/L	0.597754	0.7	224598
Ti 336.122	4889.97	ug/L	46.0924	0.9	1249452
Tl 190.794	0.360054uv	ug/L	1.02775	285.4	1.91988
V 292.401	536.890	ug/L	2.78596	0.5	22136.6
Zn 202.548	345.185	ug/L	3.62776	1.1	9018.66
Zr 339.198	62.3451	ug/L	1.20659	1.9	3807.92

360-25046-A-11-B (Samp) **10/12/2009, 6:15:58 PM** **Rack 2, Tube 49**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.407039	ug/L	0.099583	24.5	7.74609
Al 237.312	48322.6	ug/L	28.5439	0.1	208531
As 188.980	14.6171	ug/L	0.687868	4.7	17.4843
B 249.678	24.3159	ug/L	0.021451	0.1	754.276
Ba 493.408	322.385	ug/L	0.413716	0.1	846594
Be 313.042	3.04946	ug/L	0.001795	0.1	10960.8
Ca 373.690	22521.0	ug/L	30.9649	0.1	119157
Cd 214.439	2.56611	ug/L	0.058718	2.3	107.873
Co 228.615	39.6099	ug/L	0.052505	0.1	384.316
Cr 267.716	74.9163	ug/L	0.222174	0.3	3755.62
Cu 327.395	118.307	ug/L	0.165798	0.1	8595.52
Fe 273.955	96807.7	ug/L	172.203	0.2	1349992
K 404.721	12216.5	ug/L	316.700	2.6	175.025
Li 610.365	37.2682	ug/L	0.132925	0.4	3027.40
Mg 279.078	16213.7	ug/L	23.8994	0.1	75546.8
Mn 257.610	3288.67	ug/L	13.3663	0.4	1051467
Mo 202.032	5.64190	ug/L	0.492137	8.7	62.1485
Na 330.237	1651.19	ug/L	12.5739	0.8	243.257
Ni 216.555	59.6414	ug/L	0.635170	1.1	541.844
Pb 220.353	95.7993	ug/L	0.374960	0.4	512.187
Sb 217.582	-0.636539uv	ug/L	0.407545	64.0	1.56842
Se 196.026	-1.44933uv	ug/L	1.15332	79.6	1.79776
Si 251.611	4583.61	ug/L	67.2773	1.5	25416.8
Si 288.158	4670.44	ug/L	70.6216	1.5	61679.9
Sn 283.998	26.0296	ug/L	0.120025	0.5	134.847
Sr 421.552	63.6114	ug/L	0.050074	0.1	164829
Ti 336.122	2720.69	ug/L	4.36452	0.2	695187
Tl 190.794	0.478246	ug/L	0.381958	79.9	2.02351
V 292.401	231.297	ug/L	0.223280	0.1	9544.14
Zn 202.548	154.466	ug/L	0.517102	0.3	4075.22
Zr 339.198	34.1547	ug/L	0.222589	0.7	2088.84

CCV (CCV) **10/12/2009, 6:18:51 PM** **Rack 4, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	1000.32	ug/L	2.25420	0.2	9073.47	100.03190
Al 237.312	5020.27	ug/L	11.8772	0.2	23691.1	100.40540
As 188.980	987.111	ug/L	1.05885	0.1	1111.95	98.71114
B 249.678	963.705	ug/L	13.8168	1.4	29414.1	96.37052
Ba 493.408	1007.66	ug/L	2.65333	0.3	2645418	100.76620
Be 313.042	998.251	ug/L	0.347166	0.0	3537409	99.82512
Ca 373.690	19726.5	ug/L	24.4491	0.1	104683	98.63229
Cd 214.439	977.477	ug/L	1.23148	0.1	39846.8	97.74776
Co 228.615	986.055	ug/L	0.248549	0.0	9300.85	98.60549
Cr 267.716	995.775	ug/L	0.214411	0.0	49678.0	99.57753
Cu 327.395	1003.72	ug/L	4.11304	0.4	72377.8	100.37200
Fe 273.955	4967.96	ug/L	4.10799	0.1	82859.7	99.35909
K 404.721	21074.4	ug/L	54.8685	0.3	303.608	105.37190
Li 610.365	4949.31	ug/L	13.6018	0.3	399316	98.98618
Mg 279.078	19736.7	ug/L	11.9587	0.1	91746.3	98.68328
Mn 257.610	996.935	ug/L	1.20653	0.1	318785	99.69353
Mo 202.032	992.019	ug/L	1.30589	0.1	9797.51	99.20187
Na 330.237	20007.7	ug/L	44.0064	0.2	2950.65	100.03860
Ni 216.555	996.048	ug/L	1.32099	0.1	8979.58	99.60477
Pb 220.353	991.029	ug/L	0.703481	0.1	5227.63	99.10286
Sb 217.582	993.292	ug/L	0.389634	0.0	2085.84	99.32916
Se 196.026	968.738	ug/L	0.478022	0.0	603.703	96.87376
Si 251.611	1048.71	ug/L	19.5782	1.9	5863.81	104.87150
Si 288.158	1045.00	ug/L	21.1848	2.0	14188.9	104.49960
Sn 283.998	990.260	ug/L	0.936709	0.1	4897.35	99.02600
Sr 421.552	1007.54	ug/L	2.59408	0.3	2609919	100.75360
Ti 336.122	1001.20	ug/L	0.769255	0.1	255849	100.12020
Tl 190.794	987.528	ug/L	5.08639	0.5	867.462	98.75282
V 292.401	994.461	ug/L	1.19234	0.1	40991.6	99.44606
Zn 202.548	971.655	ug/L	0.527179	0.1	25256.7	97.16551
Zr 339.198	1008.03	ug/L	2.97849	0.3	61476.6	100.80270

CCB (CCB) **10/12/2009, 6:21:44 PM** **Rack 4, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.123733	ug/L	0.167045	135.0	5.17749	0.12373
Al 237.312	1.81229	ug/L	0.148179	8.2	15.6218	1.81229
As 188.980	0.877555	ug/L	0.244903	27.9	2.02156	0.87756
B 249.678	28.9260	ug/L	4.61787	16.0	894.926	28.92603
Ba 493.408	0.175793	ug/L	0.004384	2.5	805.875	0.17579
Be 313.042	0.163903	ug/L	0.001964	1.2	735.981	0.16390
Ca 373.690	6.57612	ug/L	0.102263	1.6	79.5856	6.57612
Cd 214.439	0.188344	ug/L	0.018460	9.8	10.9518	0.18834
Co 228.615	0.300559	ug/L	0.082807	27.6	13.9801	0.30056
Cr 267.716	0.280241	ug/L	0.030787	11.0	33.5919	0.28024
Cu 327.395	0.309694	ug/L	0.130933	42.3	95.3901	0.30969
Fe 273.955	5.23100	ug/L	0.725208	13.9	137.171	5.23100
K 404.721	-188.155uv	ug/L	36.0070	19.1	10.5122	-188.15530
Li 610.365	-0.442895uv	ug/L	0.022750	5.1	-15.0166	-0.44289
Mg 279.078	3.10989	ug/L	0.695767	22.4	26.2889	3.10989

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	0.406126	ug/L	0.002044	0.5	188.100	0.40613
Mo 202.032	8.46194	ug/L	1.85338	21.9	89.9818	8.46194
Na 330.237	20.7080uv	ug/L	35.2506	170.2	12.5403	20.70804
Ni 216.555	0.589368	ug/L	0.032431	5.5	9.73923	0.58937
Pb 220.353	-0.148274uv	ug/L	0.063492	42.8	6.80161	-0.14827
Sb 217.582	1.13068	ug/L	0.185239	16.4	5.27428	1.13068
Se 196.026	2.63497	ug/L	1.69906	64.5	4.33167	2.63497
Si 251.611	18.7932	ug/L	5.00440	26.6	166.871	18.79317
Si 288.158	17.8005	ug/L	4.50311	25.3	733.274	17.80046
Sn 283.998	1.69205	ug/L	0.303802	18.0	14.6399	1.69205
Sr 421.552	0.196166	ug/L	0.002477	1.3	562.039	0.19617
Ti 336.122	0.747535	ug/L	0.188744	25.2	226.988	0.74753
Tl 190.794	0.931123	ug/L	0.952883	102.3	2.42059	0.93112
V 292.401	0.399069	ug/L	0.117954	29.6	29.5786	0.39907
Zn 202.548	0.080091	ug/L	0.034963	43.7	73.5447	0.08009
Zr 339.198	0.577579	ug/L	0.119525	20.7	41.2716	0.57758

Interf Check A (ICSA) **10/12/2009, 6:24:38 PM** **Rack 0, Tube 10**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.643128	ug/L	0.197548	30.7	9.88660	0.64313
Al 237.312	112534	ug/L	61.8884	0.1	4751872	533.50000K
As 188.980	0.870586	ug/L	0.479836	55.1	2.01372	0.87059
B 249.678	11.0388	ug/L	1.24125	11.2	349.204	11.03876
Ba 493.408	0.277184	ug/L	0.008409	3.0	1072.02	0.27718
Be 313.042	0.002114	ug/L	0.000697	33.0	162.689	0.00211
Ca 373.690	106731	ug/L	169.678	0.2	5149226	730.89844K
Cd 214.439	0.950420	ug/L	0.062689	6.6	42.0153	0.95042
Co 228.615	2.12672	ug/L	0.171597	8.1	31.1846	2.12672
Cr 267.716	0.405585	ug/L	0.045986	11.3	39.8427	0.40559
Cu 327.395	0.254272	ug/L	0.202449	79.6	91.3977	0.25427
Fe 273.955	42625.8	ug/L	43.7964	0.1	6191532	625.76172K
K 404.721	2837.44	ug/L	608.509	21.4	48.9751	2837.44189
Li 610.365	0.521066	ug/L	0.035076	6.7	62.7529	0.52107
Mg 279.078	107577	ug/L	185.334	0.2	4712777	577.00000K
Mn 257.610	3.22547	ug/L	0.010415	0.3	1089.46	3.22547
Mo 202.032	2.04226	ug/L	0.316903	15.5	26.6208	2.04226
Na 330.237	124.143	ug/L	25.4358	20.5	27.1292	124.14320
Ni 216.555	5.27115	ug/L	0.284462	5.4	51.9257	5.27115
Pb 220.353	-1.76728uv	ug/L	0.189273	10.7	-1.72620	-1.76728
Sb 217.582	0.421650	ug/L	0.342571	81.2	3.78745	0.42165
Se 196.026	-3.19566uv	ug/L	0.224661	7.0	0.714340	-3.19566
Si 251.611	12.4647	ug/L	4.05351	32.5	131.866	12.46470
Si 288.158	11.9584	ug/L	3.42681	28.7	656.746	11.95838
Sn 283.998	3.55188	ug/L	0.338753	9.5	23.8259	3.55188
Sr 421.552	0.597537	ug/L	0.001002	0.2	1601.73	0.59754
Ti 336.122	1.82271	ug/L	0.034688	1.9	501.700	1.82271
Tl 190.794	1.14636	ug/L	0.828903	72.3	2.60931	1.14636
V 292.401	2.06397	ug/L	0.017147	0.8	98.1837	2.06397
Zn 202.548	0.537669	ug/L	0.171250	31.9	85.4051	0.53767
Zr 339.198	0.887386	ug/L	0.029835	3.4	60.1639	0.88739

Interf Check AB (ICSAB) **10/12/2009, 6:27:33 PM** **Rack 0, Tube 11**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	613.172	ug/L	1.97734	0.3	5563.39	102.19530
Al 237.312	110991	ug/L	50.9283	0.0	468781	110.99100
As 188.980	1942.98	ug/L	5.32341	0.3	2187.71	97.14879
B 249.678	6.94576	ug/L	0.478591	6.9	224.330	-
Ba 493.408	591.195	ug/L	0.577632	0.1	1552208	98.53244
Be 313.042	191.535	ug/L	0.319372	0.2	678851	95.76760
Ca 373.690	104625	ug/L	320.430	0.3	505859	104.62530
Cd 214.439	557.438	ug/L	0.355711	0.1	22725.4	92.90643
Co 228.615	565.580	ug/L	0.139574	0.0	5339.52	94.26331
Cr 267.716	562.890	ug/L	0.748884	0.1	28090.4	93.81495
Cu 327.395	604.036	ug/L	3.36847	0.6	43585.9	100.67270
Fe 273.955	42137.6	ug/L	14.4487	0.0	612569	105.34410
K 404.721	45027.8	ug/L	95.8102	0.2	697.717	112.56960
Li 610.365	0.613569	ug/L	0.040622	6.6	70.2158	-
Mg 279.078	105041	ug/L	190.090	0.2	460891	105.04140
Mn 257.610	380.562	ug/L	0.305561	0.1	121726	95.14041
Mo 202.032	1.03828	ug/L	0.321291	30.9	16.7117	-
Na 330.237	36.6853	ug/L	13.1033	35.7	14.7932	-
Ni 216.555	571.567	ug/L	0.147904	0.0	5154.68	95.26111
Pb 220.353	1843.88	ug/L	0.892343	0.0	9719.87	92.19408
Sb 217.582	940.059	ug/L	1.51451	0.2	1974.21	94.00587
Se 196.026	942.797	ug/L	4.51566	0.5	587.610	94.27970
Si 251.611	10.0187	ug/L	4.11640	41.1	118.336	-
Si 288.158	10.9396	ug/L	4.14688	37.9	643.401	-
Sn 283.998	261.151	ug/L	1.52429	0.6	1296.15	-
Sr 421.552	0.622867	ug/L	0.001233	0.2	1667.34	-
Ti 336.122	1.68760	ug/L	0.028165	1.7	467.181	-
Tl 190.794	1843.27	ug/L	0.121189	0.0	1617.77	92.16339
V 292.401	581.784	ug/L	0.716559	0.1	23986.6	96.96403
Zn 202.548	531.030	ug/L	7.79846	1.5	13835.7	88.50497
Zr 339.198	3.09788	ug/L	0.437000	14.1	194.963	-

Metals Worksheet

Batch Number: 360-49278
Method: 7471A
Analyst: Burton, Teresa F

Date Open: Sep 22 2009 9:07AM
Batch End: Sep 22 2009 11:30AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	METHG1mg/L_00517
MB~360-49278/1		7471A, 7471A		0.2 g	50 mL	
LCS~360-49278/2		7471A, 7471A		0.2 g	50 mL	250 uL
LCSD~360-49278/3		7471A, 7471A		0.2 g	50 mL	250 uL
360-24642-A-1	B-1 (0-5')/64729-1		T	0.25 g	50 mL	
360-24642-A-1~DU			T	0.25 g	50 mL	
360-24642-A-1~MS			T	0.24 g	50 mL	250 uL
360-24642-A-2	B-4 (0-5')/64729-4		T	0.20 g	50 mL	
360-24642-A-3	B-5 (0-5')/64729-5		T	0.23 g	50 mL	
360-24642-A-4	B-9 (0-5')/64729-8		T	0.24 g	50 mL	
360-24642-A-5	B-10 (0-5')/64729-9		T	0.23 g	50 mL	
360-24642-A-6	B-11 (5-10')/64729-10		T	0.27 g	50 mL	
360-24525-E-2	BH-2 (5-7)		T	0.25 g	50 mL	
360-24525-A-8	BH-7 (6-8)		T	0.25 g	50 mL	
360-24365-A-6	OC-SB-447-18/20-XXX	7471A, 7471A	T	0.30 g	50 mL	

Hood ID or number:	1
Balance ID:	37037
Lot # of Nitric Acid:	432376
Lot # of hydrochloric acid:	432372
Potassium Permanganate Lot Number:	425795
Oven, Bath or Block Temperature 1:	95

Metals Worksheet

Batch Number: 360-49527
Method: 3050B
Analyst: Burton, Teresa F

Date Open: Sep 28 2009 8:10AM
Batch End: Sep 28 2009 1:00PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	stlma-3_00039	stlma2_00035
MB~360-49527/1		3050B, 6010B		2.0 g	100 mL		
LCS~360-49527/2		3050B, 6010B		2.0 g	100 mL	1.0 mL	1.0 mL
LCSD~360-49527/3		3050B, 6010B		2.0 g	100 mL	1.0 mL	1.0 mL
360-24808-A-1	Center- 8		T	1.57 g	100 mL		
360-24808-A-1~DU			T	1.59 g	100 mL		
360-24808-A-1~MS			T	1.57 g	100 mL	1.0 mL	1.0 mL
360-24808-A-2	Center- 9		T	1.56 g	100 mL		
360-24808-A-3	Drain #4 Bottom-1		T	1.65 g	100 mL		
360-24808-A-5	Sidewall- 10		T	1.81 g	100 mL		
360-24808-A-7	Sidewall - 11		T	1.53 g	100 mL		
360-24808-A-8	Center - 11		T	1.78 g	100 mL		
360-24808-A-11	Center - 12		T	1.72 g	100 mL		
360-24808-A-12	Sidewall - 14		T	1.79 g	100 mL		
360-24343-A-2	OC-SB-444-12/14-XXX		T	1.53 g	100 mL		
360-24343-A-5	OC-SB-449-11/13-XXX		T	1.89 g	100 mL		
360-24343-A-8	OC-SB-451-18/20-XXX		T	1.56 g	100 mL		
360-24343-A-12	OC-SB-454-18/20-XXX		T	1.88 g	100 mL		
360-24343-A-15	OC-SB-455-28/30-XXX		T	1.69 g	100 mL		
360-24365-A-2	OC-SB-442-20/22-XXX	3050B, 6010B	T	1.94 g	100 mL		
360-24365-A-6	OC-SB-447-18/20-XXX	3050B, 6010B	T	1.63 g	100 mL		
360-24365-A-9	OC-SB-452-13/15-XXX	3050B, 6010B	T	1.57 g	100 mL		
360-24365-A-14	OC-SB-458-22/24-XXX	3050B, 6010B	T	1.77 g	100 mL		
360-24365-A-16	OC-SB-460-0.0/1.0-XXX		T	1.76 g	100 mL		

Balance ID:	37037
Hood ID or number:	5
Hot Block ID number:	1
Lot # of hydrochloric acid:	432372
Lot # of Nitric Acid:	432376
Logbook ID for diluted Nitric:	436954
Hydrogen peroxide lot number:	415984
Oven, Bath or Block Temperature 1:	95 Degrees C

Metals Worksheet

Batch Number: 360-50159
Method: 3050B
Analyst: Burton, Teresa F

Date Open: Oct 12 2009 8:52AM
Batch End: Oct 12 2009 1:30PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	stlma-3_00041	stlma2_00036
MB~360-50159/1		3050B, 6010B		2.0 g	100 mL		
LCS~360-50159/2		3050B, 6010B		2.0 g	100 mL	1.0 mL	1.0 mL
LCSD~360-50159/3		3050B, 6010B		2.0 g	100 mL	1.0 mL	1.0 mL
360-24965-A-1	SS01-1009		T	1.68 g	100 mL		
360-24965-A-1~DU			T	1.71 g	100 mL		
360-24965-A-1~MS			T	1.70 g	100 mL	1.0 mL	1.0 mL
360-24965-A-2	SS02-1009		T	1.75 g	100 mL		
360-24365-A-17	OC-SB-460-30/32-XXX	3050B, 6010B	T	1.85 g	100 mL		
360-24978-A-1	CTI Agricycle Week Ending 10/3		T	1.64 g	100 mL		
360-25001-A-1	SS03-1009		T	1.93 g	100 mL		
360-25001-A-2	SS04-1009		T	1.55 g	100 mL		
360-25001-A-3	SS05-1009		T	1.84 g	100 mL		
360-25001-A-4	SS06-1009		T	1.94 g	100 mL		
360-25001-A-5	SS07-1009		T	1.64 g	100 mL		
360-25001-A-6	SS08-1009		T	1.75 g	100 mL		
360-25001-A-7	SS09-1009		T	1.56 g	100 mL		
360-25021-A-7	R01090507BE-0580 FX-080		T	1.57 g	100 mL		
360-25021-A-8	R01090507BE-0581 FX-082		T	1.66 g	100 mL		
360-25021-A-9	R01090507BE-0582 LEAD030-031-032		T	1.85 g	100 mL		
360-25046-A-1	SCB- 1 (1'-9')		T	1.57 g	100 mL		
360-25046-A-3	SCB- 1 (9'-20')		T	1.66 g	100 mL		
360-25046-A-5	SCB- 2 (1'-7')		T	1.83 g	100 mL		
360-25046-A-7	SCB- 2 (7'-20')		T	1.87 g	100 mL		
360-25046-A-9	SCB- 3 (1'-7')		T	1.66 g	100 mL		
360-25046-A-11	SCB- 3 (7'-20')		T	1.71 g	100 mL		

Balance ID:	37037
Hood ID or number:	5
Hot Block ID number:	1
Lot # of hydrochloric acid:	432372
Lot # of Nitric Acid:	432376
Logbook ID for diluted Nitric:	436954
Hydrogen peroxide lot number:	415984
Oven, Bath or Block Temperature 1:	95 Degrees C

Shipping and Receiving Documents

State Accreditation Matrix

Method Name	Description	State where Primary Accreditation is Carried				
		New York (NELAC)	Mass	Conn	Florida (NELAC)	North Carolina
821-R-02-012	Toxicity, Acute (48-Hour)(list upon request)				NP	
SM 4500 Cl F	Chlorine, Residual		NP			
SM 9215B	Heterotrophic Plate Count (Pour Plate Method)		P			
SM 9215E	Heterotrophic Plate Count (SimPlate)		P			
SM 9221F	E.Coli (Multiple-Tube Fermentation; EC-MUG)		P			
SM 9222B	Coliforms, Total (Membrane Filter)		P			
SM 9222D	Coliforms, Fecal (Membrane Filter)		P/NP			
SM 9223	Coliforms, Total, and E.Coli (Colilert-P/A)		P			
200.8	Metals (ICP/MS) (list upon request)	NP/P	NP/P	NP/P		
200.7 Rev 4.4	Metals (ICP)(list upon request)	NP/P	NP/P	NP/P		
6010B	Metals (ICP)(list upon request)	NP/SW		NP/SW		
245.1	Mercury (CVAA)	NP/P	NP	NP/P		
7470A	Mercury (CVAA)	NP		NP		
7471A	Mercury (CVAA)	SW		SW		
SM 2340B	Total Hardness (as CaCO3) by calculation	NP/P	NP	NP/P		
3005A	Preparation, Total Recoverable or Dissolved Metals	NP/P		NP/P		
3010A	Preparation, Total Metals	NP/P		NP/P		
3020A	Preparation, Total Metals	NP/P/SW		NP/P/SW		
3050B	Preparation, Metals	SW		SW		
504.1	EDB, DBCP and 1,2,3-TCP (GC)		P	P		
608	Organochlorine Pest/PCBs (list upon request)	NP	NP	NP		
625	Semivolatile Org Comp (GC/MS)(list upon request)	NP		NP		
3546	Microwave Extraction	SW				
3510C	Liquid-Liquid Extraction (Separatory Funnel)	NP		NP		
3540C	Soxhlet Extraction					
3550B	Ultrasonic Extraction	SW		SW		
600/4-81-045	Polychlorinated Biphenyls (PCBs) (GC)		NP	NP		
8081A	Organochlorine Pesticides (GC)(list upon request)	NP/SW		NP/SW		
8082A	PCBs by Gas Chromatography(list upon request)	NP/SW		NP/SW		
8270C	Semivolatile Comp.(GC/MS)(list upon request)	NP/SW		NP/SW		
CT ETPH	Conn - Ext. Total petroleum Hydrocarbons (GC)			NP/SW		
MA-EPH	Mass - Extractable Petroleum Hydrocarbons (GC)			NP/SW		NP/SW
524.2	Volatile Org Comp (GC/MS)(list upon request)	P	P	P		
524.2	Trihalomethanes		P	P		
624	Volatile Org Comp (GC/MS)(list upon request)	NP	NP	NP		
5035	Closed System Purge and Trap	SW		SW		
5030B	Purge and Trap	NP		NP		
8260B	Volatile Org Comp. (GC/MS)(list upon request)	NP/SW		NP/SW		
MAVPH	Mass - Volatile Petroleum Hydrocarbons (GC)			NP/SW		NP/SW
180.1	Turbidity, Nephelometric		P	P		
300	Anions, Ion Chromatography	NP/P	NP/P	NP/P		
410.4	COD	NP	NP	NP		
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW		SW		
10-107-06-2	Nitrogen, Total Kjeldahl	NP	NP	NP		
7196A	Chromium, Hexavalent	NP/SW		NP/SW		
9012A	Cyanide, Total and/or Amenable	NP/SW		NP/SW		
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	NP		NP		
9040B	pH	NP		NP		
9045C	pH	SW		SW		
L107041C	Nitrogen, Nitrate	NP	P	NP/P		
L107-06-1B	Nitrogen Ammonia	NP	NP	NP/P		
L204001A CN	Cyanide, Total		NP/P	NP/P		
L210-001A	Phenolics, Total Recoverable	NP	NP	NP		
SM 2320B	Alkalinity	NP/P	NP/P	NP/P		
SM 2510B	Conductivity, Specific Conductance	NP/P	NP/P	NP/P		
SM 2540C	Solids, Total Dissolved (TDS)	NP/P	NP/P	NP/P		
SM 2540D	Solids, Total Suspended (TSS)	NP	NP	NP		
SM 3500 CR D	Chromium, Hexavalent	NP		NP		
SM 4500 H+ B	pH	NP/P	NP/P	NP/P		
SM 4500 NO2 B	Nitrogen, Nitrite	NP	P	NP/P		
SM 4500 P E	Phosphorus, Orthophosphate	NP/P	NP	NP/P		
SM 4500 P E	Phosphorus, Total	NP	NP	NP		
SM 4500 S2 D	Sulfide, Total	NP		NP		
SM 5210B	BOD, 5-Day	NP	NP	NP		
SM 5310B	Organic Carbon, Total (TOC)	NP	NP	NP/P		

Not all organic compounds are accreditied under NELAC
For methods with multiple compounds all compounds may not meet NELAC criteria, listing should be obtained from the laboratory
The lab carries additional accreditations with several states. This is listing is subject to change based on the laboratories current certification standing.

Login Sample Receipt Check List

Client: Olin Corporation

Job Number: 360-24365-2
SDG Number: OCRI-09A

Login Number: 24365
Creator: Rinard, Kimberley A
List Number: 1

List Source: TestAmerica Westfield

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	4.2 C / 4.0 C
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	
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	
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	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

8/31/09 Monday
Pick up

TAL-Soil

360-24365
Page 1 of 6

10/27/2009

Client:	Olin Corporation	Client Project #:	6107090016
Address:	3855 North Ocoee St. Suite 200	Work Site ID:	Wilmington, MA
	Cleveland, TN 37312	Reports Sent To:	Steve Morrow
Phone:	423-336-4511	Fax: 423-336-1466	Email SGMorrow@olin.com Email Rpt:____

Requested Turnaround Time (SPECIFY): Standard_____ Rush_____ (Lab Approval Required)

Regulatory Programs: MADEP MCP____ Superfund _____

Report Requirements Level IV Package ____ Level II Package _____

EDD Requirements: MACTEC EQUIS EZ EDD _____

INVOICE INFO	Shaded Areas for office use only
Company Name:	Olin Corp
Company Contact:	ERG Accounts Payable
Address:	Same as Client
Phone:	Email
Job #	Quote #
Lab SDG #	PO #

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)*	SVOA and TICs (8270C)	NDMA (Modified 8270C)	Diphenylamine (8270C)**	EPH (MADEP-EPH-04-1.1)	VPH (MADEP-VPH-04-1.1)	TAL Metals (6010B / 7471A)	PCBs (8082)	Anions (EPA 300)***	Amonnia (LACHAT)	TOC (Lloyd Kahn)	Phathalic Anhydride (Mod 8000 HPLC)							Formaldehyde/Acetaldehyde (SW-846 8315A)*	Phthalic Anhydride (acid) (Method 8000 - LC)*			Comments (Special Instructions)
							ME	-	-	-	-	ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<--Preservative Type (4)
							V	G	G	G	G	V	G	G	G	G	G	G							G	G			<--Bottle Type (5)
OC-SB-442-0.0/1.0-XXX	8/31/2009 12:00:00	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 1
OC-SB-442-20/22-XXX	8/31/2009 1:20:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 3

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida
* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida
** = Using Method 3620B
*** = Sulfate, Chloride

Cooler (Y) / N — MADEP Requirement Samples Iced (Y) / N
Temp @ receipt: 4.2°C / 4.0 Deg C
Preservation / pH checked? Y / (N)
By: KAN Date: 8/31/09

4.2°C / 4.0°C

Relinquished: [signature] Date: 8/31/09 Time: 1520 Received: [signature] Date: 8/31/09 Time: 15:20

Relinquished: [signature] Date: 8/31/09 Time: 1745 Received: [signature] Date: 8/31/2009 Time: @1745

TAL-Soil

3bo 24365

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10/27/2009

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)*	SVOA and TICs (8270C)	NDMA (Modified 8270C)	Diphenylamine (8270C)**	EPH (MADEP-EPH-04-1.1)	VPH (MADEP-VPH-04-1.1)	TAL Metals (6010B / 7471A)	PCBs (8082)	Anions (EPA 300)***	Amonnia (LACHAT)	TOC (Lloyd Kahn)	Phathalic Anhydride (Mod 8000 HPLC)							Formaldehyde/Acetaldehyde (SW-846 8315A)*	Phthalic Anhydride (acid) (Method 8000 - LC)*			Comments (Special Instructions)
							ME	-	-	-	-	ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<--Preservative Type (4)
							V	G	G	G	G	V	G	G	G	G	G	G							G	G			<--Bottle Type (5)
OC-SB-442-8.0/10-DUP	8/31/2009 12:10:00	T	FD	SO	G	8	X	X	X	X			X		X	X									X	X			Category 2
OC-SB-442-8.0/10-MSD	8/31/2009 12:10:00	T	MSD	SO	G	8	X	X	X	X															X	X			Category 2 MSD in same container as MS for all analyses except VOC
OC-SB-442-8.0/10-XMS	8/31/2009 12:10:00	T	MS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 2
OC-SB-442-8.0/10-XXX	8/31/2009 12:10:00	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 2
OC-SB-447-0.0/1.0-XXX	8/31/2009 8:10:00 AM	T	FS	SO	G	7	X	X			X	X	X		X	X	X												Category 1
OC-SB-447-18/20-XXX	8/31/2009 9:05:00 AM	T	FS	SO	G	7	X	X			X	X	X		X	X	X												Category 3
OC-SB-447-3.0/5.0-XXX	8/31/2009 8:25:00 AM	T	FS	SO	G	7	X	X			X	X	X		X	X	X												Category 2
OC-SB-452-0.0/1.0-XXX	8/31/2009 10:30:00	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 1

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida ** = Using Method 3620B

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida *** = Sulfate, Chloride

Cooler? Y/N MADEP Requirement

Samples Iced? Y/N

Temp @ receipt: 4.2°/4.0 Deg C

Preservation / pH checked? Y/N

By: [illegible] Date: 8/31/09

Relinquished: [signature] **Date:** 8/31/09 **Time:** 1520 **Received:** [signature] **Date:** 8/31/09 **Time:** 1520

Relinquished: [signature] **Date:** 8/31/09 **Time:** 1745 **Received:** [signature] **Date:** 8/31/2009 **Time:** 1745

TAL-Soil

360 24365
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10/27/2009

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)*	SVOA and TICs (8270C)	NDMA (Modified 8270C)	Diphenylamine (8270C)**	EPH (MADEP-EPH-04-1.1)	VPH (MADEP-VPH-04-1.1)	TAL Metals (6010B / 7471A)	PCBs (8082)	Anions (EPA 300)***	Amonnia (LACHAT)	TOC (Lloyd Kahn)	Phathalic Anhydride (Mod 8000 HPLC)							Formaldehyde/Acetaldehyde (SW-846 8315A)*	Phthalic Anhydride (acid) (Method 8000 - LC)*			Comments (Special Instructions)
							ME	-	-	-	-	ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<--Preservative Type (4)
							V	G	G	G	G	V	G	G	G	G	G	G							G	G			<--Bottle Type (5)
OC-SB-452-13/15-XXX	8/31/2009 11:00:00	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 3
OC-SB-452-5.0/7.0-XXX	8/31/2009 10:45:00	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 2
OC-TBK-011	8/31/2009 2:20:00 PM	T	TB	SO	G	4	X					X																	Category 1

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida
* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida
** = Using Method 3620B
*** = Sulfate, Chloride

Cooler? Y / N
MADEP Requirement
Samples Iced? Y / N
Temp @ receipt: 4.2-4.0 Deg C
Preservation / pH checked? Y / N
By: [illegible] Date: 8/31/09

Relinquished: [signature] **Date:** 8/31/09 **Time:** 1520 **Received:** [signature] **Date:** 8/31/09 **Time:** 1522

Relinquished: [signature] **Date:** 8/31/09 **Time:** 1745 **Received:** [signature] **Date:** 8/31/2009 **Time:** 1745

TAL-NJ - Water

24-hour Hold Time on Cr^{+6}

360-24365

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10/27/2009

Client:	Olin Corporation	Client Project #:	6107090016
Address:	3855 North Ocoee St. Suite 200	Work Site ID:	Wilmington, MA
	Cleveland, TN 37312	Reports Sent To:	Steve Morrow
Phone:	423-336-4511	Fax: 423-336-1466	Email SGMorrow@olin.com Email Rpt:____

Requested Turnaround Time (SPECIFY): Standard_____ Rush_____ (Lab Approval Required)

Regulatory Programs: MADEP MCP____ Superfund _____

Report Requirements Level IV Package ____ Level II Package _____

EDD Requirements: MACTEC EQUIS EZ EDD _____

INVOICE INFO	Shaded Areas for office use only
Company Name:	Olin Corp
Company Contact:	ERG Accounts Payable
Address:	Same as Client
Phone:	Email
Job #	Quote #
Lab SDG #	PO #

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	Cr+6 (3060A / 7199)	Cr+6 (7199)	DMF (Mod 8033 - GC/NPD)	DMF (Mod 8033 - GC/NPD)	Opex / Kempore (8000B - HPLC)	Perchlorate (6850)	Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)	Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)	Comments (Special Instructions)
							-	-	-	-	-	-	-	Zn	<--Preservative Type (4)
							G	P	G	V	V	V	AG	AV	<--Bottle Type (5)
OC-EBK-006	8/31/2009 2:15:00 PM	T	EB	BW	G	1		X							Category 1

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved; S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass, AV = 40mL VOA Amber Glass Vial,

Cooler ? Y / N	MADEP Requirement Samples Iced? Y / N
Temp @ receipt: _____ Deg C	
Preservation / pH checked? Y / N	
By: KAr	Date: 8/31/09

Relinquished: [signature] Date: 8/31/09 Time: 1520 Received: [signature] Date: 8/31/09 Time: 15:20

Relinquished: [signature] Date: 8/31/09 Time: 1914 Received: [signature] Date: 8/31/2009 Time: _____

⊕ Sample not received at TA Westfield @1745
Direct shipped to TA, NJ

1 AL-Water

Client:	Olin Corporation	Client Project #:	6107090016
Address:	3855 North Ocoee St. Suite 200	Work Site ID:	Wilmington, MA
	Cleveland, TN 37312	Reports Sent To:	Steve Morrow
Phone:	423-336-4511	Fax: 423-336-1466	Email SGMorrow@olin.com Email Rpt:___

Requested Turnaround Time (SPECIFY): Standard_____ Rush_____ (Lab Approval Required)

Regulatory Programs: MADEP MCP____ Superfund _____

Report Requirements Level IV Package ____ Level II Package _____

EDD Requirements: MACTEC EQUIS EZ EDD _____

INVOICE INFO — Shaded Areas for office use only

Company Name: Olin Corp

Company Contact: ERG Accounts Payable

Address: Same as Client

Phone: Email

Job # Quote #

Lab SDG # PO #

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360-24365

10/27/2009

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (8260B)	SVOA and TICs (8270C)	NDMA/NDPA (WS-MS-0012)*	Diphenylamine (8270C)**	Pesticides (8081)	PCBs (8082)	EPH (MADEP-EPH-04-1.1)	VPH (MADEP-VPH-04-1.1)	TAL Metals (6010B/7470A)	Anions (EPA 300)***	Amonnia (LACHAT)	Alkalinity (SM 2320B)	Hardness (SM 2340B)	pH (SM 4500)	Conductivity (SM 2510B)	TDS (SM 2540C)	TSS (SM 2540D)	TOC (Lloyd Kahn)	COD (EPA 410.4)	Formaldehyde/Acetaldehyde (SW-846 8315A)*	Phthalic Anhydride (acid) (Mod 8000 - HPLC)*	Alkylphenols (WS-MS-0010)*	Herbicides (8151A)	Comments (Special Instructions)
							HA	-	-	-	-	-	HA	HA	NI	-	SA	-	NI	-	-	-	-	SA	SA	-	-	SA	-	<--Preservative Type (4)
							V	AG	AG	AG	AG	AG	AG	V	P	P	P	P	P	P	P	P	P	AG	P	AG	V	AG	AG	<--Bottle Type (5)
OC-EBK-006	8/31/2009 2:15:00 PM	T	EB	BW	G	19	X	X	X	X		X			X	X	X									X	X			Category 1

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = NDMA analyzed at TAL-West Sacramento, CA
* = Alkylphenols analyzed at TAL-West Sacramento, CA
* = Phthalic Anhydride analyzed at TAL-West Sacramento, C
* = Formaldehyde analyzed at TAL-Tallahassee Florida
** = Using Method 3620B
*** = Sulfate, Chloride, Nitrate, Nitrite, Flouride, Bromid

Cooler ? Y / N — MADEP Requirement Samples Iced? Y / N

Temp @ receipt: 40°/42 Deg C

Preservation / pH checked? Y / N

By: _____ Date: 8/31/09

Relinquished: _____ Date: 8/31/09 Time: 1520 Received: _____ Date: 8/31/09 Time: 15:20

Relinquished: _____ Date: 8/31/09 Time: 1745 Received: _____ Date: 8/31/09 Time: 1745

Olin Wilmington OU1 Soil Sampling Categories

There will be three categories of samples submitted to the laboratories during the soil sampling program based primarily on the depth of soil locations. These categories will be indentified in notes provided with the chain of custody submitted with samples. The following categories are included:

Category 1

Soil boring samples 0'-1': request that all samples are analyzed and reported in the normal project turnaround time (TAT).

Category 2

Soil boring samples from the 1'-10' interval: All samples are analyzed. Rush TAT is requested on a subset of analyses as indicated below:

VOCs: rush 7-day TAT
SVOCs: NDMA, and phthalic anhydride: normal 30-day TAT
DMF: normal 21-day TAT
Hydrazine: rush 7 day TAT
Metals: normal 30-day TAT (except mercury)
Mercury: 10 day TAT
Hexavalent Chromium: 10 day TAT
Formaldehyde/acetaldehyde: normal TAT
Anions: normal TAT
Ammonia: normal TAT

Category 3

Soil boring samples from >10 ft: Sample are held with analysis pending. For a subset of analyses the samples will be extracted and held by the lab pending instructions from MACTEC-Olin.

VOCs: hold pending results of Category 2
SVOCs: extract and hold pending results of Category 2
NDMA: extract and hold pending results of Category 2
DMF: extract and hold pending results of Category 2
Hydrazine: hold pending results of Category 2
Metals: hold pending results of Category 2
Mercury: hold pending results of Category 2
Hexavalent Chromium: hold pending results of Category 2
Phthalic anhydride: extract and hold pending results of Category 2
Formaldehyde/acetaldehyde: run normal TAT
Anions: run normal TAT
Ammonia: run normal TAT

For rush TAT samples the laboratory will provide preliminary results with a narrative and sample results summary report. The lab will also provide data on a preliminary data EDD. Final result and supporting data packages will be provided in the normal TAT for the project.

3LP-24365

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LOGIN SAMPLE RECEIPT CHECK LIST

Client: Olin / MAGTEC
Day (toxicity): Day 2 - Samples 13-22

Job Number: 360-24365
Date: 9/1/09

Questions:	Y/N/NA	Comment:
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present is intact	NA	
The cooler or samples do not appear to have been compromised or tampered with	Y	
Samples were received on ice	Y	
Cooler temperature is acceptable	Y	5.2°C
Cooler temperature is recorded	Y	
COC is present	Y	
COC is filled out in ink and legible	Y	
COC is filled out with all pertinent information	Y	
There are no discrepancies between the sample IDs on the containers and the COC	Y	
Samples are received within holding time	Y	
Sample containers have legible labels	Y	
Containers are not broken or leaking sample collection date/times are provided	Y	
Appropriate sample containers are used	Y	
Sample bottles are completely filled	Y	
There is sufficient vol. for all requested analyses, incl any requested MS/MSDs	Y	
VOA sample vials do not have headspace or bubble is <6mm (¼") in diameter	N/A	
If necessary, staff have been informed o any short hold time or quick TAT needs	Y	
Muliphasic samples are not present	Y	
Samples do not require splitting or compositing.	Y	

Additional comments:
Checklist for samples received at TA Westfield 9/1/09
Additional samples shipped to TA TALLAHASSEE

WI-SR-008

5/21/07

10/27/2009

Pick up on Tuesday 9/1/09

360-24365

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TAL-Soil

Client:	Olin Corporation	Client Project #:	6107090016
Address:	3855 North Ocoee St. Suite 200	Work Site ID:	Wilmington, MA
	Cleveland, TN 37312	Reports Sent To:	Steve Morrow
Phone:	423-336-4511	Fax: 423-336-1466	Email SGMorrow@olin.com Email Rpt:____

Requested Turnaround Time (SPECIFY): Standard_____ Rush_____ (Lab Approval Required)

Regulatory Programs: MADEP MCP____ Superfund _____

Report Requirements Level IV Package ____ Level II Package _____

EDD Requirements: MACTEC EQUIS EZ EDD _____

INVOICE INFO — Shaded Areas for office use only

Company Name: Olin Corp

Company Contact: ERG Accounts Payable

Address: Same as Client

Phone: Email

Job # _____ Quote # _____

Lab SDG # _____ PO # _____

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)*	SVOA and TICs (8270C)	NDMA (Modified 8270C)	Diphenylamine (8270C)**	EPH (MADEP-EPH-04-1.1)	VPH (MADEP-VPH-04-1.1)	TAL Metals (6010B / 7471A)	PCBs (8082)	Anions (EPA 300)***	Amonnia (LACHAT)	TOC (Lloyd Kahn)	Phathalic Anhydride (Mod 8000 HPLC)							Formaldehyde/Acetaldehyde (SW-846 8315A)*	Phthalic Anhydride (acid) (Method 8000 - LC)*			Comments (Special Instructions)
							ME V	- G	- G	- G	- G	ME V	- G	- G	- G	- G	- G	- G	-	-	-	-	-	-	- G	- G	-	-	<--Preservative Type (4) <--Bottle Type (5)
OC-SB-458-0.0/1.0-XXX	8/31/2009 3:30:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 1
OC-SB-458-22/24-XXX	8/31/2009 4:30:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 3

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida ** = Using Method 3620B

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida *** = Sulfate, Chloride

Cooler? Y N MADEP Requirement Samples Iced? Y / N

Temp @ receipt: 5.2°C Deg C

Preservation / pH checked? Y / N

By: KAN Date: 9/1/09

Relinquished: [signature] Date: 9/01/09 Time: 1450 Received: [signature] Date: 9/1/09 Time: 1450

Relinquished: [signature] Date: 9/1/09 Time: 1715 Received: [signature] Date: 9/1/2009 Time: @ 1715

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TAL-Soil

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)*	SVOA and TICs (8270C)	NDMA (Modified 8270C)	Diphenylamine (8270C)**	EPH (MADEP-EPH-04-1.1)	VPH (MADEP-VPH-04-1.1)	TAL Metals (6010B / 7471A)	PCBs (8082)	Anions (EPA 300)***	Amonnia (LACHAT)	TOC (Lloyd Kahn)	Phathalic Anhydride (Mod 8000 HPLC)							Formaldehyde/Acetaldehyde (SW-846 8315A)*	Phthalic Anhydride (acid) (Method 8000 - LC)*			Comments (Special Instructions)
							ME V	- G	- G	- G	- G	ME V	- G	- G	- G	- G	- G	- G	-	-	-	-	-	-	- G	- G	-	-	<--Preservative Type (4) <--Bottle Type (5)
OC-SB-458-5.0/7.0-XXX	8/31/2009 3:45:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 2
OC-SB-460-0.0/1.0-XXX	9/1/2009 8:40:00 AM	T	FS	SO	G	4	X	X					X		X	X													Category 1
OC-SB-460-30/32-XXX	9/1/2009 10:40:00	T	FS	SO	G	4	X	X					X		X	X													Category 3
OC-SB-460-5.5/7.5-XXX	9/1/2009 8:50:00 AM	T	FS	SO	G	4	X	X					X		X	X													Category 2

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida ** = Using Method 3620B

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida *** = Sulfate, Chloride

Cooler? Y / N MADEP Requirement Samples Iced? Y / N

Temp @ receipt: 5.2 Deg C

Preservation / pH checked? Y / N

By: KAN Date: 9/1/09

Relinquished: [signature] **Date:** 9/01/09 **Time:** 1450 **Received:** [signature] **Date:** 9/01/09 **Time:** 1450

Relinquished: [signature] **Date:** 9/01/09 **Time:** 1715 **Received:** [signature] **Date:** 9/1/2009 **Time:** @ 1715

360 24365

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TAL - Soil

Client:	Olin Corporation	Client Project #:	6107090016
Address:	3855 North Ocoee St. Suite 200	Work Site ID:	Wilmington, MA
	Cleveland, TN 37312	Reports Sent To:	Steve Morrow
Phone:	423-336-4511	Fax: 423-336-1466	Email SGMorrow@olin.com Email Rpt:____

Requested Turnaround Time (SPECIFY): Standard_____ Rush_____ (Lab Approval Required)

Regulatory Programs: MADEP MCP____ Superfund _____

Report Requirements Level IV Package ____ Level II Package _____

EDD Requirements: MACTEC EQUIS EZ EDD _____

INVOICE INFO	Shaded Areas for office use only
Company Name:	Olin Corp
Company Contact:	ERG Accounts Payable
Address:	Same as Client
Phone:	Email
Job #	Quote #
Lab SDG #	PO #

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)* (ME, V)	SVOA and TICs (8270C) (-, G)	NDMA (Modified 8270C) (-, G)	Diphenylamine (8270C)** (-, G)	EPH (MADEP-EPH-04-1.1) (-, G)	VPH (MADEP-VPH-04-1.1) (ME, V)	TAL Metals (6010B / 7471A) (-, G)	PCBs (8082) (-, G)	Anions (EPA 300)*** (-, G)	Amonnia (LACHAT) (-, G)	TOC (Lloyd Kahn) (-, G)	Phathalic Anhydride (Mod 8000 HPLC) (-, G)	Formaldehyde/Acetaldehyde (SW-846 8315A)* (-, G)	Phthalic Anhydride (acid) (Method 8000 - LC)* (-, G)	Comments (Special Instructions)
																			<--Preservative Type (4)		
																			<--Bottle Type (5)		
OC-PE-MS00149-METALS	9/1/2009 10:00:00	T	PE	SO	G	1							X								Category 1 See attached instructions for analysis of PE Samples
OC-PE-SS1039-SVOC	9/1/2009 10:05:00	T	PE	SO	G	1		X													Category 1

See attached analytical Instructions for PES

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida

** = Using Method 3620B

*** = Sulfate, Chloride

Cooler? Y / N — MADEP Requirement Samples Iced? Y / N

Temp @ receipt: 5.2°C Deg C

Preservation / pH checked? Y / N

By: VAN Date: 9/1/09

Relinquished: [signature] Date: 09/01/09 Time: 1450 Received: [signature] Date: 9/01/09 Time: 1450

Relinquished: [signature] Date: 9/1/09 Time: 1715 Received: [signature] Date: 9/1/2009 Time: @1715

10/27/2009

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TAL-Soil

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)* (ME, V)	SVOA and TICs (8270C) (-, G)	NDMA (Modified 8270C) (-, G)	Diphenylamine (8270C)** (-, G)	EPH (MADEP-EPH-04-1.1) (-, G)	VPH (MADEP-VPH-04-1.1) (ME, V)	TAL Metals (6010B / 7471A) (-, G)	PCBs (8082) (-, G)	Anions (EPA 300)*** (-, G)	Amonnia (LACHAT) (-, G)	TOC (Lloyd Kahn) (-, G)	Phathalic Anhydride (Mod 8000 HPLC) (-, G)	Formaldehyde/Acetaldehyde (SW-846 8315A)* (-, G)	Phthalic Anhydride (acid) (Method 8000 - LC)* (-, G)	Comments (Special Instructions)
																					<--Preservative Type (4)
																					<--Bottle Type (5)
OC-PE-TT2488-PCB	9/1/2009 10:10:00	T	PE	SO	G	1								X							Category 1
OC-PE-VS0355-VOC	9/1/2009 10:15:00	T	PE	SO	G	3	X														Category 1 One ampule and one jar of sand Matrix

10/27/2009

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Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida ** = Using Method 3620B

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida *** = Sulfate, Chloride

Cooler ? (Y) / N | MADEP Requirement Samples Iced? (Y) / N

Temp @ receipt: 5.2°C Deg C

Preservation / pH checked? Y / (N)

By: [illegible] Date: 9/1/09

Relinquished: [signature] **Date:** 09/01/09 **Time:** 1450 **Received:** [signature] **Date:** 9/01/09 **Time:** 1450

Relinquished: [signature] **Date:** 9/1/09 **Time:** 1715 **Received:** [signature] **Date:** 9/1/2009 **Time:** @1715

360-24365

Olin Wilmington OU1 Soil Sampling Categories

There will be three categories of samples submitted to the laboratories during the soil sampling program based primarily on the depth of soil locations. These categories will be indentified in notes provided with the chain of custody submitted with samples. The following categories are included:

Category 1

Soil boring samples 0'-1': request that all samples are analyzed and reported in the normal project turnaround time (TAT).

Category 2

Soil boring samples from the 1'-10' interval: All samples are analyzed. Rush TAT is requested on a subset of analyses as indicated below:

VOCs: rush 7-day TAT
SVOCs: NDMA, and phthalic anhydride: normal 30-day TAT
DMF: normal 21-day TAT
Hydrazine: rush 7 day TAT
Metals: normal 30-day TAT (except mercury)
Mercury: 10 day TAT
Hexavalent Chromium: 10 day TAT
Formaldehyde/acetaldehyde: normal TAT
Anions: normal TAT
Ammonia: normal TAT

Category 3

Soil boring samples from >10 ft: Sample are held with analysis pending. For a subset of analyses the samples will be extracted and held by the lab pending instructions from MACTEC-Olin.

VOCs: hold pending results of Category 2
SVOCs: extract and hold pending results of Category 2
NDMA: extract and hold pending results of Category 2
DMF: extract and hold pending results of Category 2
Hydrazine: hold pending results of Category 2
Metals: hold pending results of Category 2
Mercury: hold pending results of Category 2
Hexavalent Chromium: hold pending results of Category 2
Phthalic anhydride: extract and hold pending results of Category 2
Formaldehyde/acetaldehyde: run normal TAT
Anions: run normal TAT
Ammonia: run normal TAT

For rush TAT samples the laboratory will provide preliminary results with a narrative and sample results summary report. The lab will also provide data on a preliminary data EDD. Final result and supporting data packages will be provided in the normal TAT for the project.

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360-24365

QATS INSTRUCTIONS FOR LOW/MEDIUM CONCENTRATION VOLATILE ORGANIC SOIL PERFORMANCE EVALUATION SAMPLES

Note: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with SOW SOM01.1 and revisions, or other appropriate methods.

CAUTION: Read instructions carefully before opening bottles and ampules and proceeding with the analyses.

Contains Methanol
FLAMMABLE LIQUID
POISON
Contains Trace Organics
Material Safety Data Sheets
Available on Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of Low/Medium Concentration Volatile Organic Soil Performance Evaluation Samples (PES). This PES set consists of one or more amber, screw-cap bottles containing blank soil, and one or more flame-sealed ampules containing a methanol solution of volatile organic analytes. Check the chain-of-custody record to determine the number of bottles of blank soil and the number of flame-sealed ampules of PES spiking solution provided for volatiles soil analysis.

Store the ampule(s) at 4° C ± 2° C until sample preparation and analysis is to occur.

CAUTION: The ampules could contain compounds that are light sensitive and should be protected from light during storage. The ampules should be refrigerated at 4° C ± 2° C until sample preparation or analysis is to occur. Allow the ampules to reach ambient temperature before opening.

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Refer to the enclosed chain-of-custody record. Report any problems to Mr. Keith Strout, Shaw Environmental, Inc. at (702) 895-8722. Return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

360 24365

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
Shaw Environmental, Inc.
2700 Chandler Ave. – Bldg. C
Las Vegas, NV 89120

(C) *ANALYSIS REQUIREMENTS*

Samples generated from this PES set are to be analyzed in accordance with the SOW, other appropriate method, or your contract. These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the SOW, other appropriate method, or your contract, disregard these instructions.

(D) *GENERATION OF SAMPLES FROM AMPULES AND BLANK SOIL FOR ANALYSIS*

General Instructions

The instructions provided below are intended as an aid in preparing samples for analysis. Allow the ampule to reach ambient temperature before opening to remove volumetric amounts for spiking. Exercise care in breaking ampules open to avoid injury. Use gas-tight syringes to transfer volumetric aliquots of spiking solution to laboratory reagent water.

Instructions for Volatile Soil Analysis

Do not perform a moisture determination on this sample. When calculating the concentrations of analytes, use 0% as the soil moisture content. To begin the analyses, open the **bottle of blank soil** and accurately weigh out approximately **5.0 g** of contents, placing the soil into an appropriate volatiles soil vessel for your instrument. Fill a gas-tight syringe with laboratory reagent water and adjust to **5.0 mL**. Carefully open the **PES ampule** by snapping the top off at the narrow part of the neck. Spike **10 µL** of solution from the ampule into the prepared syringe. Add the spiked water to the volatiles soil vessel and seal the vessel. Gently swirl the vessel to mix. The full volume sample is now ready for analysis. Proceed with sample preparation and analysis as described in the analytical protocol for volatile soil samples. Remember to spike internal standard and DMC solutions to the vessel. An additional aliquot of water, up to 5 mL, may be added as specified in the SOM01.1 SOW. No pH measurement is required.

(E) *REPORTING*

Report the results for the prepared soil samples described above.

Report format and other instructions for submission of data packages containing these analysis results are included in the SOW, other appropriate method, or your contract.

360 24365

QATS INSTRUCTIONS FOR LOW/MEDIUM CONCENTRATION SEMIVOLATILE ORGANIC SOIL PERFORMANCE EVALUATION SAMPLES

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with SOW SOM01.1 and revisions, or other appropriate methods.

CAUTION: Read instructions carefully before opening bottles and proceeding with the analyses.

Contains Acetone and Dichloromethane
FLAMMABLE LIQUID
POISON

Contains Trace Organics
Material Safety Data Sheets
Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a Low/Medium Concentration Semivolatile Organic Soil Performance Evaluation Sample (PES) set. This set consists of one or more bottles containing 40 g of soil. Check the chain-of-custody record for descriptions and number of bottles of soil provided for semivolatile analysis.

None of the bottles are to be opened until sample preparation/analysis is to occur.

CAUTION: The bottles could contain compounds that are light sensitive and should be protected from light during storage. Store the samples at 4° C ± 2° C for up to ten (10) days.

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Refer to enclosed chain-of-custody record. Report any problems to Mr. Keith Strout, Shaw Environmental, Inc. at (702) 895-8722. Return chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
Shaw Environmental, Inc.
2700 Chandler Ave - Bldg C
Las Vegas, NV 89120

360 24365

(C) *ANALYSIS REQUIREMENTS*

Samples are to be analyzed as described in the SOW, other appropriate method, or your contract. These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the SOW, other appropriate method, or your contract, disregard these instructions.

(D) *SAMPLE ANALYSIS*

General Instructions

The instructions provided below are intended as an aid in preparing samples for analysis. Perform the analysis as per the applicable SOW, other appropriate method, or your contract. The sample container does not contain sufficient material to perform duplicate analysis.

Instructions for Semivolatile Analysis

Do not perform a pH determination on the sample. When calculating the concentrations of analytes, use 0% as the soil moisture content.

This sample is to be handled, prepared, and analyzed exactly as you would process samples received from a known or suspected hazardous waste site. The following steps should be performed rapidly after opening the container to avoid loss of the more volatile extractable analytes. To prepare the semivolatile soil sample for analysis, weigh out an appropriate aliquot of soil as specified in the SOW (30 grams), other appropriate method, or your contract, and record the exact weight. Do not weigh out additional soil for moisture determination. Proceed immediately with the extraction and analysis as described in the SOW, other appropriate method, or your contract, for the analysis of this sample.

(E) *REPORTING*

Report the results for the prepared soil samples described above.

Report format and other instructions for submission of data packages containing these analysis results are included in the SOW, other appropriate method, or your contract.

300-24365

QATS Catalog Numbers:	90-005	94-022	95-009
	94-020	94-023	95-017-S
	94-021	94-024	99-005

QATS INSTRUCTIONS FOR LOW/MEDIUM CONCENTRATION INORGANIC PERFORMANCE EVALUATION SAMPLES METALS IN SOILS

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol, disregard these instructions.

APPLICATION: For use with SOW ILM05.0 and revisions, or other appropriate method.

CAUTION: Read instructions carefully before opening bottles and proceeding with the analysis.

Contains Metals and Heavy Metals

Material Safety Data Sheets Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a metals in soil Performance Evaluation Sample (PES). This sample contains between 10 and 25 grams of homogeneous soil, depending on the catalog number. Check the chain-of custody record to determine the number of samples provided.

Samples do not require refrigeration. None of the samples are to be opened until sample preparation/analysis is to occur. If samples are refrigerated, allow them to reach ambient temperature before proceeding with processing and analysis.

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain-of-custody record. Report any problems to Mr. Keith Strout, Shaw Environmental, Inc. at (702) 895-8722. Return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
Shaw Environmental, Inc.
2700 Chandler Ave - Bldg C
Las Vegas, NV 89120

360 24365

(C) ***ANALYSIS REQUIREMENTS***

These samples are to be analyzed as described in the SOW, other appropriate method, or your contract. These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the SOW, other appropriate method, or your contract, disregard these instructions.

(D) ***ANALYSIS OF SAMPLES***

The instructions provided below are intended as an aid in preparing samples for analysis. Allow sample to reach ambient temperature before opening to remove an aliquot for analysis. Mix sample by repeated inversions prior to removing aliquot for analysis.

Break the seal on the bottle and open the bottle carefully.

Metals Analysis

To begin the analysis for metals other than mercury, weigh out approximately 1.0 g of the bottle contents and record the exact weight to the nearest 0.01 g.

Continue with sample preparation and analysis as described in the SOW, other appropriate method, or your contract.

Mercury Analysis

If analysis for mercury is required, weigh out approximately 0.20 g of the bottle contents and record the exact weight to the nearest 0.01 g.

Continue with sample preparation and analysis as described in the SOW, other appropriate method, or your contract.

(E) ***REPORTING***

Report the results of the original Performance Evaluation Sample material, as received, in mg/Kg.

360-24365

QATS Catalog Numbers: 04-005 06-005
06-001 06-006
06-002

QATS INSTRUCTIONS FOR AROCLOR SOIL PERFORMANCE EVALUATION SAMPLES

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with SOW OLM04.3 and revisions, SOM01.1 and revisions, or other appropriate methods.

CAUTION: Read instructions carefully before opening bottles and proceeding with the analysis.

This Sample Contains Chemicals Known or Suspected to Have Serious Human Health Effects.

Material Safety Data Sheets Available Upon Request

(A) SAMPLE DESCRIPTION

Enclosed is a Soil Performance Evaluation Sample (PES) set. This set consists of one or more bottles containing 40 g of soil. Check the chain-of-custody record for descriptions and number of bottles of soil provided for Aroclor analysis.

None of the bottles are to be opened until sample preparation/analysis is to occur.

CAUTION: The bottles could contain compounds that are light sensitive and should be protected from light during storage. The sample(s) may be stored at room temperature.

(B) BREAKAGE OR MISSING ITEMS

Check the contents of the shipment carefully for any broken, leaking, or missing items. Refer to the enclosed chain-of-custody record. Report any problems to Mr. Keith Strout, Shaw Environmental, Inc. at (702) 895-8722. Return chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
Shaw Environmental, Inc.
2700 Chandler Ave - Bldg C
Las Vegas, NV 89120

360 24365

(C) *ANALYSIS REQUIREMENTS*

Samples are to be analyzed as described in the SOW, other appropriate method, or your contract. These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the SOW, other appropriate method, or your contract, disregard these instructions.

(D) *SAMPLE ANALYSIS*

General Instructions

The instructions provided below are intended as an aid in preparing samples for analysis. Perform the analysis as per the applicable SOW, other appropriate method, or your contract. The sample container does not contain sufficient material to perform duplicate analysis.

Instructions for Aroclor Analysis

Do not perform a pH determination on the sample. When calculating concentrations, use 0% as the soil moisture content.

This sample is to be handled, prepared, and analyzed exactly as you would process samples received from a known or suspected hazardous waste site. To prepare the Aroclor soil sample for analysis, weigh out an appropriate aliquot of soil, as specified in the SOW, other appropriate method, or your contract, and record the exact weight. Do not weigh out additional soil for moisture determination. Proceed immediately with the extraction and analysis as described in the SOW, other appropriate method, or your contract.

(E) *REPORTING*

Report the results for the prepared soil samples described above.

Report format and other instructions for submission of data packages containing these analysis results are included in the SOW, other appropriate method, or your contract.

Supplemental Instructions to Laboratory
Soil Samples
Olin Chemical Superfund Site

LABORATORY: TestAmerica Laboratory

Lab SDG / Work Order #	MACTEC Field Sample ID	Lab Sample ID	Sample Date	Sample Category on the COC	Analyte/Method	Action Item/Comments
360-24365	OC-SB-442-20/22-XXX	(360-24365-2)	08/31/09	Category 3	SVOC[2]	Analyze SVOC Sample as Previously Requested on COC; however, please do not analyze for Diphenylamine
360-24365	OC-SB-447-18/20-XXX	(360-24365-6)	08/31/09	Category 3	SVOC[1]	Analyze SVOC Sample as Previously Requested on COC
360-24365	OC-SB-452-13/15-XXX	(360-24365-9)	08/31/09	Category 3	SVOC[2]	Analyze SVOC Sample as Previously Requested on COC; however, please do not analyze for Diphenylamine
360-24365	OC-SB-458-22/24-XXX	(360-24365-14)	08/31/09	Category 3	SVOC[2]	Analyze SVOC Sample as Previously Requested on COC; however, please do not analyze for Diphenylamine
360-24365	OC-SB-460-30/32-XXX	(360-24365-17)	09/01/09	Category 3	SVOC[1]	Analyze SVOC Sample as Previously Requested on COC
360-24365	OC-SB-442-20/22-XXX	(360-24365-2)	08/31/09	Category 3	NDMA	Cancel Previously Requested NDMA Analysis on COC
360-24365	OC-SB-452-13/15-XXX	(360-24365-9)	08/31/09	Category 3	NDMA	Cancel Previously Requested NDMA Analysis on COC
360-24365	OC-SB-458-22/24-XXX	(360-24365-14)	08/31/09	Category 3	NDMA	Cancel Previously Requested NDMA Analysis on COC
360-24365	OC-SB-442-20/22-XXX	(360-24365-2)	08/31/09	Category 3	Phthalic Anhydrides	Cancel Previously Requested Phthalic Anhydride Analysis on COC
360-24365	OC-SB-452-13/15-XXX	(360-24365-9)	08/31/09	Category 3	Phthalic Anhydrides	Cancel Previously Requested Phthalic Anhydride Analysis on COC
360-24365	OC-SB-458-22/24-XXX	(360-24365-14)	08/31/09	Category 3	Phthalic Anhydrides	Cancel Previously Requested Phthalic Anhydride Analysis on COC

SVOC[1] - Olin Compound List
SVOC[2] - Olin Compound List with Diphenylamine

Tige Cunningham

Sample Manager
MACTEC Engineering & Consulting, Inc.

10-1-09
Date

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OCRI-09.xls, SVOCs Pending Samples

360-24365-2

Supplemental Instructions to Laboratory
Soil Samples
Olin Chemical Superfund Site

LABORATORY TestAmerica Laboratory

Lab SDG / Work Order #	MACTEC Field Sample ID	Lab Sample ID	Sample Date	Sample Category on the COC	Analyte/Method	Action Item/Comments
360-24365	OC-SB-442-20/22-XXX	(360-24365-2)	08/31/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24365	OC-SB-447-18/20-XXX	(360-24365-6)	08/31/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24365	OC-SB-452-13/15-XXX	(360-24365-9)	08/31/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24365	OC-SB-458-22/24-XXX	(360-24365-14)	08/31/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24365	OC-SB-460-30/32-XXX	(360-24365-17)	09/01/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24365	OC-SB-442-20/22-XXX	(360-24365-2)	08/31/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC
360-24365	OC-SB-447-18/20-XXX	(360-24365-6)	08/31/09	Category 3	Mercury	Analyze Mercury Sample as Previously Requested on COC
360-24365	OC-SB-452-13/15-XXX	(360-24365-9)	08/31/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC
360-24365	OC-SB-458-22/24-XXX	(360-24365-14)	08/31/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC
360-24365	OC-SB-460-30/32-XXX	(360-24365-17)	09/01/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC

Tige Cunningham

Sample Manager
MACTEC Engineering & Consulting, Inc.

9-18-09
Date

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OCRI-09.xls, Metals Pending Samples