TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

FILE COPY

ANALYTICAL REPORT

CHECKED FOR COMPLETENESS OF PARAMETERS ORDERED BY: 2-16-11

Job Number: 360-24499-2

SDG Number: OCRI-13A

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
10/30/2009 2:34 PM

Designee for
Becky C Mason
Project Manager II
becky.mason@testamericainc.com
10/30/2009

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TestAmerica Laboratories, Inc.
TestAmerica Westfield Westfield Executive Park, 53 Southampton Road, Westfield, MA 01085
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MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	**TestAmerica Westfield**	Project #:	**360-24499-2**
Project Location:	**Wilmington, MA**	MADEP RTN[1]:	

This form provides certifications for the following data set:[list Laboratory Sample ID Number(s)]
360-24499-(3,15,18,21)

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:** 10/29/09 14:20

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

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MADEP MA014
NY DOH 10843
RI DOH 57
CT DPH 0494
VT DECWSD

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NH DES 253901-A

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MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	**TestAmerica Westfield**	Project #:	**360-24499-2**
Project Location:	**Wilmington, MA**	MADEP RTN[1]:	

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

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:** 10/29/09 14:20

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

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NH DES 253901-A

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CASE NARRATIVE

Client: Olin Corporation

Project: Olin Chemical Superfund Site

Report Number: 360-24499-2

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 09/09/2009 and 09/10/2009; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 4.0 and 2.2C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 360-24499-3, 360-24499-15, 360-24499-18 and 360-24499-21 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 8270C LL. The samples were prepared on 09/16/2009 and analyzed on 09/24/2009 and 09/26/2009.

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 360-24499-3, Benzoic acid, Bis(2-ethylhexyl) phthalate and Di-n-butyl phthalate were detected in method blank MB 360-49016/1-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 samples 360-24499-(15, 18, 21), Benzoic acid, Bis(2-ethylhexyl) phthalate and Di-n-butyl phthalate were detected in method blank MB 360-49041/1-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 360-24499-(3), Aniline failed the recovery criteria low for LCS/LCSD 360-49016/2-A. Bis(2-ethylhexyl) phthalate failed the recovery criteria high in the LCS/LCSD.

For samples 360-24499-(15, 18, 21), Aniline failed the recovery criteria low for LCS/LCSD 360-49041/2-A. Bis(2-ethylhexyl) phthalate failed the recovery criteria high in the LCS/LCSD. Refer to the QC report for details.

General method information:

For samples 360-24499-(15,18,21), batch 49517. ICAL 9/25/2009 Inst B: Quadratic regression used for Benzoic acid, 1,2,4-Trichlorobenzene, 2,4-Dinitrophenol, 2-Nitroaniline, and Pentachlorophenol.

For samples 360-24499-(3), batch 49444. ICAL 9/23/2009 Inst B: Quadratic regression used for Benzoic acid, 2,4-Dinitrophenol, Pentachlorophenol, Benzyl alcohol, 1,2-Dichlorobenzene, N-Nitrosodi-n-propylamine, Nitrobenzene, Isophorone, 2,4-Dimethylphenol, Bis(2-chloroethoxy)methane, 2,4-Dichlorophenol, 1,2,4-Trichlorobenzene, Naphthalene, 4-Chloroaniline, Hexachlorobutadiene, 2-Methylnaphthalene, 1,2,4,5-Tetrachlorobenzene, 4,6-Dinitro-2-methylphenol, Phenyl ether.

For the MB, LCS/LCSD associated with sample 360-24499-(3) batch 49400. ICAL 9/22/2009 Inst B: Quadratic regression used for 2,4-Dinitrophenol, Benzoic acid, 4,6-Dinitro-2-methylphenol, 1,2,4-Trichlorobenzene, Naphthalene, Caprolactam and Pentachlorophenol.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS

Samples 360-24499-3, 360-24499-15, 360-24499-18 and 360-24499-21 were analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 09/30/2009.

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

Several analytes failed the recovery criteria low for the MS of sample 360-24499-3 in batch 49723. The presence of the '4' qualifier in the report indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount. The associated laboratory control sample (LCS) met acceptance criteria.

Several analytes exceeded the rpd limit for the duplicate of sample 360-24499-3.

Tin exceeded the CRI method criteria with 60% recovery on the low reporting limit standard. The recommend MCP control criteria is 70-130%. The data has been flagged appropriately.

General method information:

Several analytes were detected in method blank MB 360-49675/1-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.

SAMPLE SUMMARY

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-24499-3	OC-SB-469-28/30-XXX	Solid	09/09/2009 1040	09/09/2009 1810
360-24499-15	OC-SB-417-20/22-XXX	Solid	09/10/2009 1205	09/10/2009 1820
360-24499-18	OC-SB-434-15/16-XXX	Solid	09/10/2009 0935	09/10/2009 1820
360-24499-21	OC-SB-450-33/35-XXX	Solid	09/09/2009 1655	09/10/2009 1820

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24499-3	**OC-SB-469-28/30-XXX**					
Bis(2-ethylhexyl) phthalate		230	B *	36	ug/Kg	8270C LL
Aluminum		1400		2.9	mg/Kg	6010B
Arsenic		2.2		1.2	mg/Kg	6010B
Barium		11		0.58	mg/Kg	6010B
Beryllium		0.046	J	0.23	mg/Kg	6010B
Cadmium		0.38		0.23	mg/Kg	6010B
Calcium		1200	B	12	mg/Kg	6010B
Chromium		33	B	0.58	mg/Kg	6010B
Cobalt		2.6		0.58	mg/Kg	6010B
Copper		28		1.2	mg/Kg	6010B
Iron		21000	B	5.8	mg/Kg	6010B
Lead		1.1		0.58	mg/Kg	6010B
Magnesium		280	B	12	mg/Kg	6010B
Manganese		190		1.2	mg/Kg	6010B
Nickel		19		1.2	mg/Kg	6010B
Potassium		320		230	mg/Kg	6010B
Silver		0.15	J	0.58	mg/Kg	6010B
Sodium		150		120	mg/Kg	6010B
Thallium		0.13	J	1.2	mg/Kg	6010B
Vanadium		2.8		1.2	mg/Kg	6010B
Zinc		4.4		2.9	mg/Kg	6010B
Tin		14	B ^	5.8	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24499-15	**OC-SB-417-20/22-XXX**					
Bis(2-ethylhexyl) phthalate		390	B *	41	ug/Kg	8270C LL
Aluminum		8000		3.7	mg/Kg	6010B
Arsenic		2.4		1.5	mg/Kg	6010B
Barium		51		0.74	mg/Kg	6010B
Beryllium		0.17	J	0.29	mg/Kg	6010B
Cadmium		0.38		0.29	mg/Kg	6010B
Calcium		4900	B	15	mg/Kg	6010B
Chromium		27	B	0.74	mg/Kg	6010B
Cobalt		10		0.74	mg/Kg	6010B
Copper		27		1.5	mg/Kg	6010B
Iron		21000	B	7.4	mg/Kg	6010B
Lead		0.52	J	0.74	mg/Kg	6010B
Magnesium		5400	B	15	mg/Kg	6010B
Manganese		130		1.5	mg/Kg	6010B
Nickel		12		1.5	mg/Kg	6010B
Potassium		2000		290	mg/Kg	6010B
Sodium		130	J	150	mg/Kg	6010B
Thallium		0.14	J	1.5	mg/Kg	6010B
Vanadium		31		1.5	mg/Kg	6010B
Zinc		20		3.7	mg/Kg	6010B
Tin		9.7	B ^	7.4	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24499-18	**OC-SB-434-15/16-XXX**					
1,1'-Biphenyl		18	J	38	ug/Kg	8270C LL
Bis(2-ethylhexyl) phthalate		380	B *	38	ug/Kg	8270C LL
Diphenyl oxide		29	J	38	ug/Kg	8270C LL
Aluminum		11000		3.4	mg/Kg	6010B
Arsenic		5.8		1.4	mg/Kg	6010B
Barium		39		0.68	mg/Kg	6010B
Beryllium		0.31		0.27	mg/Kg	6010B
Cadmium		0.41		0.27	mg/Kg	6010B
Calcium		4400	B	14	mg/Kg	6010B
Chromium		40	B	0.68	mg/Kg	6010B
Cobalt		11		0.68	mg/Kg	6010B
Copper		31		1.4	mg/Kg	6010B
Iron		22000	B	6.8	mg/Kg	6010B
Lead		2.4		0.68	mg/Kg	6010B
Magnesium		5400	B	14	mg/Kg	6010B
Manganese		200		1.4	mg/Kg	6010B
Nickel		18		1.4	mg/Kg	6010B
Potassium		2000		270	mg/Kg	6010B
Silver		0.13	J	0.68	mg/Kg	6010B
Sodium		320		140	mg/Kg	6010B
Thallium		0.12	J	1.4	mg/Kg	6010B
Vanadium		37		1.4	mg/Kg	6010B
Zinc		32		3.4	mg/Kg	6010B
Tin		15	B ^	6.8	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24499-21	**OC-SB-450-33/35-XXX**					
Bis(2-ethylhexyl) phthalate		340	B *	36	ug/Kg	8270C LL
Aluminum		7900		3.2	mg/Kg	6010B
Arsenic		4.5		1.3	mg/Kg	6010B
Barium		24		0.64	mg/Kg	6010B
Beryllium		0.23	J	0.26	mg/Kg	6010B
Cadmium		0.23	J	0.26	mg/Kg	6010B
Calcium		2600	B	13	mg/Kg	6010B
Chromium		18	B	0.64	mg/Kg	6010B
Cobalt		6.6		0.64	mg/Kg	6010B
Copper		20		1.3	mg/Kg	6010B
Iron		13000	B	6.4	mg/Kg	6010B
Lead		1.7		0.64	mg/Kg	6010B
Magnesium		4000	B	13	mg/Kg	6010B
Manganese		100		1.3	mg/Kg	6010B
Nickel		13		1.3	mg/Kg	6010B
Potassium		1500		260	mg/Kg	6010B
Sodium		150		130	mg/Kg	6010B
Vanadium		21		1.3	mg/Kg	6010B
Zinc		21		3.2	mg/Kg	6010B
Tin		6.5	B ^	6.4	mg/Kg	6010B

METHOD SUMMARY

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

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

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: 360-24499-2
Sdg Number: OCRI-13A

Method	Analyst	Analyst ID
SW846 8270C LL	Sullivan, Pat J	PJS
SW846 6010B	Smith, Tim J	TJS

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Client Sample ID: **OC-SB-469-28/30-XXX**

Lab Sample ID: 360-24499-3
Client Matrix: Solid
% Moisture: 9.6

Date Sampled: 09/09/2009 1040
Date Received: 09/09/2009 1810

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49444		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49016		Lab File ID:	B10535.D
Dilution:	1.0			Initial Weight/Volume:	30.59 g
Date Analyzed:	09/24/2009 0628			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1153			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: 360-24499-2
Sdg Number: OCRI-13A

Client Sample ID: **OC-SB-469-28/30-XXX**

Lab Sample ID: 360-24499-3
Client Matrix: Solid
% Moisture: 9.6

Date Sampled: 09/09/2009 1040
Date Received: 09/09/2009 1810

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49444		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49016		Lab File ID:	B10535.D
Dilution:	1.0			Initial Weight/Volume:	30.59 g
Date Analyzed:	09/24/2009 0628			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1153			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		230	B *	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	66		30 - 130
2-Fluorobiphenyl	68		30 - 130
2-Fluorophenol	88		30 - 130
Nitrobenzene-d5	74		30 - 130
Phenol-d5	75		30 - 130
Terphenyl-d14	76		30 - 130

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Client Sample ID: **OC-SB-469-28/30-XXX**

Lab Sample ID: 360-24499-3
Client Matrix: Solid
% Moisture: 9.6

Date Sampled: 09/09/2009 1040
Date Received: 09/09/2009 1810

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49444		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49016		Lab File ID:	B10535.D
Dilution:	1.0			Initial Weight/Volume:	30.59 g
Date Analyzed:	09/24/2009 0628			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1153			Injection Volume:	

Tentatively Identified Compounds **Number TIC's Found:** **8**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
104-76-7	1-Hexanol, 2-ethyl-	7.51	15	T J N
541-2-6	Cyclopentasiloxane, decamethyl-	8.08	8.5	T J N
128-37-0	Butylated Hydroxytoluene	10.05	10	T J N
140-66-9	Phenol, 4-(1,1,3,3-tetramethylbutyl)-	10.50	8.8	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	10.99	12	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	11.41	7.7	T J N
112-61-8	Octadecanoic acid, methyl ester	12.30	8.9	T J N
7683-64-9	Squalene	16.10	88	T J N

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Client Sample ID: **OC-SB-417-20/22-XXX**

Lab Sample ID: 360-24499-15
Client Matrix: Solid
% Moisture: 18.2

Date Sampled: 09/10/2009 1205
Date Received: 09/10/2009 1820

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49517		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49041		Lab File ID:	B10571.D
Dilution:	1.0			Initial Weight/Volume:	30.12 g
Date Analyzed:	09/26/2009 0454			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1513			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		12	41
1,2,4,5-Tetrachlorobenzene		ND		12	41
1,2,4-Trichlorobenzene		ND		12	41
1,2-Dichlorobenzene		ND		12	41
1,3-Dichlorobenzene		ND		12	41
1,4-Dichlorobenzene		ND		12	41
1-Methylnaphthalene		ND		12	41
2,2'-oxybis[1-chloropropane]		ND		12	41
2,3,4,6-Tetrachlorophenol		ND		12	41
2,4,5-Trichlorophenol		ND		12	41
2,4,6-Trichlorophenol		ND		12	41
2,4-Dichlorophenol		ND		12	41
2,4-Dimethylphenol		ND		16	41
2,4-Dinitrophenol		ND		12	41
2,4-Dinitrotoluene		ND		12	41
2,6-Dinitrotoluene		ND		12	41
2-Chloronaphthalene		ND		12	41
2-Chlorophenol		ND		12	41
2-Methylnaphthalene		ND		12	41
2-Methylphenol		ND		24	41
2-Nitroaniline		ND		12	200
2-Nitrophenol		ND		12	41
3 & 4 Methylphenol		ND		12	41
3,3'-Dichlorobenzidine		ND		12	81
3-Nitroaniline		ND		12	200
4,6-Dinitro-2-methylphenol		ND		12	200
4-Bromophenyl phenyl ether		ND		12	41
4-Chloro-3-methylphenol		ND		12	81
4-Chloroaniline		ND		12	81
4-Chlorophenyl phenyl ether		ND		12	41
4-Nitroaniline		ND		12	200
4-Nitrophenol		ND		12	200
Acenaphthene		ND		12	41
Acenaphthylene		ND		12	41
Acetophenone		ND		12	41
Aniline		ND	*	12	41
Anthracene		ND		12	41
Atrazine		ND		12	41
Azobenzene		ND		12	41
Benzaldehyde		ND		12	41
Benzo[a]anthracene		ND		12	41
Benzo[a]pyrene		ND		12	41
Benzo[b]fluoranthene		ND		12	41
Benzo[g,h,i]perylene		ND		12	41
Benzo[k]fluoranthene		ND		12	41
Benzoic acid		ND		18	200

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Client Sample ID: **OC-SB-417-20/22-XXX**

Lab Sample ID: 360-24499-15
Client Matrix: Solid
% Moisture: 18.2

Date Sampled: 09/10/2009 1205
Date Received: 09/10/2009 1820

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49517		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49041		Lab File ID:	B10571.D
Dilution:	1.0			Initial Weight/Volume:	30.12 g
Date Analyzed:	09/26/2009 0454			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1513			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		12	41
Benzyl alcohol		ND		35	81
Bis(2-chloroethoxy)methane		ND		12	41
Bis(2-chloroethyl)ether		ND		12	41
Bis(2-ethylhexyl) phthalate		390	B *	12	41
Butyl benzyl phthalate		ND		12	41
Caprolactam		ND		12	41
Carbazole		ND		12	41
Chrysene		ND		12	41
Dibenz(a,h)anthracene		ND		12	41
Dibenzofuran		ND		12	41
Diethyl phthalate		ND		12	41
Dimethyl phthalate		ND		12	41
Di-n-butyl phthalate		ND		36	41
Di-n-octyl phthalate		ND		20	41
Diphenyl oxide		ND		12	41
Fluoranthene		ND		12	41
Fluorene		ND		12	41
Hexachlorobenzene		ND		12	41
Hexachlorobutadiene		ND		12	41
Hexachlorocyclopentadiene		ND		12	81
Hexachloroethane		ND		12	41
Indeno[1,2,3-cd]pyrene		ND		12	41
Isophorone		ND		12	41
Naphthalene		ND		12	97
Nitrobenzene		ND		12	41
N-Nitrosodimethylamine		ND		14	41
N-Nitrosodi-n-propylamine		ND		12	41
N-Nitrosodiphenylamine		ND		12	41
Pentachlorophenol		ND		12	41
Phenanthrene		ND		12	49
Phenol		ND		12	41
Pyrene		ND		12	41

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	69		30 - 130
2-Fluorobiphenyl	64		30 - 130
2-Fluorophenol	80		30 - 130
Nitrobenzene-d5	56		30 - 130
Phenol-d5	75		30 - 130
Terphenyl-d14	73		30 - 130

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Client Sample ID: **OC-SB-417-20/22-XXX**

Lab Sample ID: 360-24499-15
Client Matrix: Solid
% Moisture: 18.2

Date Sampled: 09/10/2009 1205
Date Received: 09/10/2009 1820

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49517		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49041		Lab File ID:	B10571.D
Dilution:	1.0			Initial Weight/Volume:	30.12 g
Date Analyzed:	09/26/2009 0454			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1513			Injection Volume:	

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
59242-27-2	Furan, 2,5-dihydro-2,5-dimethyl-	5.01	23	T J N
98-83-9	.alpha.-Methylstyrene	6.99	9.4	T J N
149-57-5	Hexanoic acid, 2-ethyl-	7.81	25	T J N
99-98-9	1,4-Benzenediamine, N,N-dimethyl-	9.23	61	T J N
1198-37-4	Quinoline, 2,4-dimethyl-	9.66	12	T J N
128-37-0	Butylated Hydroxytoluene	9.85	24	T J N
27193-28-8	Phenol, (1,1,3,3-tetramethylbutyl)-	10.29	16	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	10.79	27	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	11.20	18	T J N
112-39-0	Hexadecanoic acid, methyl ester	11.41	12	T J N

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Client Sample ID: **OC-SB-434-15/16-XXX**

Lab Sample ID: 360-24499-18
Client Matrix: Solid
% Moisture: 13.1

Date Sampled: 09/10/2009 0935
Date Received: 09/10/2009 1820

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49517		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49041		Lab File ID:	B10574.D
Dilution:	1.0			Initial Weight/Volume:	30.20 g
Date Analyzed:	09/26/2009 0617			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1513			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		18	J	11	38
1,2,4,5-Tetrachlorobenzene		ND		11	38
1,2,4-Trichlorobenzene		ND		11	38
1,2-Dichlorobenzene		ND		11	38
1,3-Dichlorobenzene		ND		11	38
1,4-Dichlorobenzene		ND		11	38
1-Methylnaphthalene		ND		11	38
2,2'-oxybis[1-chloropropane]		ND		11	38
2,3,4,6-Tetrachlorophenol		ND		11	38
2,4,5-Trichlorophenol		ND		11	38
2,4,6-Trichlorophenol		ND		11	38
2,4-Dichlorophenol		ND		11	38
2,4-Dimethylphenol		ND		15	38
2,4-Dinitrophenol		ND		11	38
2,4-Dinitrotoluene		ND		11	38
2,6-Dinitrotoluene		ND		11	38
2-Chloronaphthalene		ND		11	38
2-Chlorophenol		ND		11	38
2-Methylnaphthalene		ND		11	38
2-Methylphenol		ND		23	38
2-Nitroaniline		ND		11	190
2-Nitrophenol		ND		11	38
3 & 4 Methylphenol		ND		11	38
3,3'-Dichlorobenzidine		ND		11	76
3-Nitroaniline		ND		11	190
4,6-Dinitro-2-methylphenol		ND		11	190
4-Bromophenyl phenyl ether		ND		11	38
4-Chloro-3-methylphenol		ND		11	76
4-Chloroaniline		ND		11	76
4-Chlorophenyl phenyl ether		ND		11	38
4-Nitroaniline		ND		11	190
4-Nitrophenol		ND		11	190
Acenaphthene		ND		11	38
Acenaphthylene		ND		11	38
Acetophenone		ND		11	38
Aniline		ND	*	11	38
Anthracene		ND		11	38
Atrazine		ND		11	38
Azobenzene		ND		11	38
Benzaldehyde		ND		11	38
Benzo[a]anthracene		ND		11	38
Benzo[a]pyrene		ND		11	38
Benzo[b]fluoranthene		ND		11	38
Benzo[g,h,i]perylene		ND		11	38
Benzo[k]fluoranthene		ND		11	38
Benzoic acid		ND		17	190

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Client Sample ID: **OC-SB-434-15/16-XXX**

Lab Sample ID: 360-24499-18
Client Matrix: Solid
% Moisture: 13.1

Date Sampled: 09/10/2009 0935
Date Received: 09/10/2009 1820

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49517		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49041		Lab File ID:	B10574.D
Dilution:	1.0			Initial Weight/Volume:	30.20 g
Date Analyzed:	09/26/2009 0617			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1513			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		11	38
Benzyl alcohol		ND		32	76
Bis(2-chloroethoxy)methane		ND		11	38
Bis(2-chloroethyl)ether		ND		11	38
Bis(2-ethylhexyl) phthalate		380	B *	11	38
Butyl benzyl phthalate		ND		11	38
Caprolactam		ND		11	38
Carbazole		ND		11	38
Chrysene		ND		11	38
Dibenz(a,h)anthracene		ND		11	38
Dibenzofuran		ND		11	38
Diethyl phthalate		ND		11	38
Dimethyl phthalate		ND		11	38
Di-n-butyl phthalate		ND		33	38
Di-n-octyl phthalate		ND		19	38
Diphenyl oxide		29	J	11	38
Fluoranthene		ND		11	38
Fluorene		ND		11	38
Hexachlorobenzene		ND		11	38
Hexachlorobutadiene		ND		11	38
Hexachlorocyclopentadiene		ND		11	76
Hexachloroethane		ND		11	38
Indeno[1,2,3-cd]pyrene		ND		11	38
Isophorone		ND		11	38
Naphthalene		ND		11	91
Nitrobenzene		ND		11	38
N-Nitrosodimethylamine		ND		13	38
N-Nitrosodi-n-propylamine		ND		11	38
N-Nitrosodiphenylamine		ND		11	38
Pentachlorophenol		ND		11	38
Phenanthrene		ND		11	46
Phenol		ND		11	38
Pyrene		ND		11	38

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	69		30 - 130
2-Fluorobiphenyl	68		30 - 130
2-Fluorophenol	88		30 - 130
Nitrobenzene-d5	62		30 - 130
Phenol-d5	82		30 - 130
Terphenyl-d14	82		30 - 130

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Client Sample ID: **OC-SB-434-15/16-XXX**

Lab Sample ID: 360-24499-18
Client Matrix: Solid
% Moisture: 13.1

Date Sampled: 09/10/2009 0935
Date Received: 09/10/2009 1820

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49517		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49041		Lab File ID:	B10574.D
Dilution:	1.0			Initial Weight/Volume:	30.20 g
Date Analyzed:	09/26/2009 0617			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1513			Injection Volume:	

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
98-83-9	.alpha.-Methylstyrene	6.99	9.1	T J N
149-57-5	Hexanoic acid, 2-ethyl-	7.82	20	T J N
99-98-9	1,4-Benzenediamine, N,N-dimethyl-	9.24	30	T J N
128-37-0	Butylated Hydroxytoluene	9.86	16	T J N
615-22-5	Benzothiazole, 2-(methylthio)-	10.41	25	T J N
112-61-8	Octadecanoic acid, methyl ester	12.08	8.2	T J N
24468-13-1	dl-2-Ethylhexyl chloroformate	13.72	19	T J N
7683-64-9	Squalene	15.81	300	T J N
26603-23-6	p,p"-Dioctyldiphenylamine	16.61	150	T J N

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Client Sample ID: **OC-SB-450-33/35-XXX**

Lab Sample ID: 360-24499-21
Client Matrix: Solid
% Moisture: 9.0

Date Sampled: 09/09/2009 1655
Date Received: 09/10/2009 1820

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49517		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49041		Lab File ID:	B10577.D
Dilution:	1.0			Initial Weight/Volume:	30.68 g
Date Analyzed:	09/26/2009 0739			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1513			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	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: 360-24499-2
Sdg Number: OCRI-13A

Client Sample ID: **OC-SB-450-33/35-XXX**

Lab Sample ID: 360-24499-21
Client Matrix: Solid
% Moisture: 9.0

Date Sampled: 09/09/2009 1655
Date Received: 09/10/2009 1820

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49517		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49041		Lab File ID:	B10577.D
Dilution:	1.0			Initial Weight/Volume:	30.68 g
Date Analyzed:	09/26/2009 0739			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1513			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		340	B *	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	72
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	64		30 - 130
2-Fluorobiphenyl	61		30 - 130
2-Fluorophenol	75		30 - 130
Nitrobenzene-d5	66		30 - 130
Phenol-d5	70		30 - 130
Terphenyl-d14	81		30 - 130

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Client Sample ID: **OC-SB-450-33/35-XXX**

Lab Sample ID: 360-24499-21
Client Matrix: Solid % Moisture: 9.0

Date Sampled: 09/09/2009 1655
Date Received: 09/10/2009 1820

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49517		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49041		Lab File ID:	B10577.D
Dilution:	1.0			Initial Weight/Volume:	30.68 g
Date Analyzed:	09/26/2009 0739			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1513			Injection Volume:	

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
128-37-0	Butylated Hydroxytoluene	9.85	17	T J N
615-22-5	Benzothiazole, 2-(methylthio)-	10.41	27	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	10.79	25	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	11.20	13	T J N
54833-48-6	Heptadecane, 2,6,10,15-tetramethyl-	13.72	16	T J N
112-95-8	Eicosane	14.37	18	T J N
629-97-0	Docosane	15.70	26	T J N
7683-64-9	Squalene	15.81	240	T J N
593-49-7	Heptacosane	16.18	22	T J N

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Client Sample ID: **OC-SB-469-28/30-XXX**

Lab Sample ID: 360-24499-3
Client Matrix: Solid
% Moisture: 9.6

Date Sampled: 09/09/2009 1040
Date Received: 09/09/2009 1810

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49723		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49675		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.91 g
Date Analyzed:	09/30/2009 1517			Final Weight/Volume:	100 mL
Date Prepared:	09/30/2009 1004				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		1400		0.75	2.9
Antimony		ND		0.21	0.58
Arsenic		2.2		0.11	1.2
Barium		11		0.075	0.58
Beryllium		0.046	J	0.029	0.23
Cadmium		0.38		0.0081	0.23
Calcium		1200	B	2.9	12
Chromium		33	B	0.077	0.58
Cobalt		2.6		0.075	0.58
Copper		28		0.075	1.2
Iron		21000	B	0.92	5.8
Lead		1.1		0.066	0.58
Magnesium		280	B	0.58	12
Manganese		190		0.077	1.2
Nickel		19		0.075	1.2
Potassium		320		36	230
Selenium		ND		0.27	0.58
Silver		0.15	J	0.058	0.58
Sodium		150		15	120
Thallium		0.13	J	0.084	1.2
Vanadium		2.8		0.075	1.2
Zinc		4.4		0.68	2.9
Tin		14	B ^	0.37	5.8

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Client Sample ID: **OC-SB-417-20/22-XXX**

Lab Sample ID: 360-24499-15
Client Matrix: Solid
% Moisture: 18.2

Date Sampled: 09/10/2009 1205
Date Received: 09/10/2009 1820

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 09/30/2009 1537
Date Prepared: 09/30/2009 1004

Analysis Batch: 360-49723
Prep Batch: 360-49675

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.66 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8000		0.96	3.7
Antimony		ND		0.27	0.74
Arsenic		2.4		0.13	1.5
Barium		51		0.096	0.74
Beryllium		0.17	J	0.037	0.29
Cadmium		0.38		0.010	0.29
Calcium		4900	B	3.7	15
Chromium		27	B	0.098	0.74
Cobalt		10		0.096	0.74
Copper		27		0.096	1.5
Iron		21000	B	1.2	7.4
Lead		0.52	J	0.084	0.74
Magnesium		5400	B	0.74	15
Manganese		130		0.098	1.5
Nickel		12		0.096	1.5
Potassium		2000		46	290
Selenium		ND		0.34	0.74
Silver		ND		0.074	0.74
Sodium		130	J	19	150
Thallium		0.14	J	0.11	1.5
Vanadium		31		0.096	1.5
Zinc		20		0.87	3.7
Tin		9.7	B ^	0.47	7.4

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Client Sample ID: **OC-SB-434-15/16-XXX**

Lab Sample ID: 360-24499-18
Client Matrix: Solid
% Moisture: 13.1

Date Sampled: 09/10/2009 0935
Date Received: 09/10/2009 1820

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49723		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49675		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.68 g
Date Analyzed:	09/30/2009 1540			Final Weight/Volume:	100 mL
Date Prepared:	09/30/2009 1004				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		11000		0.89	3.4
Antimony		ND		0.25	0.68
Arsenic		5.8		0.12	1.4
Barium		39		0.089	0.68
Beryllium		0.31		0.034	0.27
Cadmium		0.41		0.0096	0.27
Calcium		4400	B	3.4	14
Chromium		40	B	0.091	0.68
Cobalt		11		0.089	0.68
Copper		31		0.089	1.4
Iron		22000	B	1.1	6.8
Lead		2.4		0.078	0.68
Magnesium		5400	B	0.68	14
Manganese		200		0.091	1.4
Nickel		18		0.089	1.4
Potassium		2000		43	270
Selenium		ND		0.32	0.68
Silver		0.13	J	0.069	0.68
Sodium		320		18	140
Thallium		0.12	J	0.099	1.4
Vanadium		37		0.089	1.4
Zinc		32		0.81	3.4
Tin		15	B ^	0.44	6.8

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Client Sample ID: **OC-SB-450-33/35-XXX**

Lab Sample ID: 360-24499-21
Client Matrix: Solid
% Moisture: 9.0

Date Sampled: 09/09/2009 1655
Date Received: 09/10/2009 1820

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49723		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49675		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.72 g
Date Analyzed:	09/30/2009 1543			Final Weight/Volume:	100 mL
Date Prepared:	09/30/2009 1004				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7900		0.83	3.2
Antimony		ND		0.23	0.64
Arsenic		4.5		0.12	1.3
Barium		24		0.083	0.64
Beryllium		0.23	J	0.032	0.26
Cadmium		0.23	J	0.0089	0.26
Calcium		2600	B	3.2	13
Chromium		18	B	0.085	0.64
Cobalt		6.6		0.083	0.64
Copper		20		0.083	1.3
Iron		13000	B	1.0	6.4
Lead		1.7		0.073	0.64
Magnesium		4000	B	0.64	13
Manganese		100		0.085	1.3
Nickel		13		0.083	1.3
Potassium		1500		40	260
Selenium		ND		0.30	0.64
Silver		ND		0.064	0.64
Sodium		150		17	130
Thallium		ND		0.092	1.3
Vanadium		21		0.083	1.3
Zinc		21		0.75	3.2
Tin		6.5	B ^	0.41	6.4

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

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
360-24499-3	OC-SB-469-28/30-XXX	88	75	74	68	66	76
360-24499-15	OC-SB-417-20/22-XXX	80	75	56	64	69	73
360-24499-18	OC-SB-434-15/16-XXX	88	82	62	68	69	82
360-24499-21	OC-SB-450-33/35-XXX	75	70	66	61	64	81
MB 360-49016/1-A		106	90	88	76	81	90
MB 360-49041/1-A		94	88	79	72	77	86
LCS 360-49016/2-A		78	67	64	81	86	82
LCS 360-49041/2-A		71	68	60	75	81	77
LCSD 360-49016/3-A		80	70	62	80	88	83
LCSD 360-49041/3-A		73	70	61	79	87	78

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: 360-24499-2
Sdg Number: OCRI-13A

Method Blank - Batch: 360-49016

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-49016/1-A	Analysis Batch:	360-49400	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49016	Lab File ID:	B10486.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/22/2009 2043			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1153			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: 360-24499-2
Sdg Number: OCRI-13A

Method Blank - Batch: 360-49016

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-49016/1-A	Analysis Batch:	360-49400	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49016	Lab File ID:	B10486.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/22/2009 2043			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1153			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	97.4	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	162		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	68.0		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	81	30 - 130

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

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	76	30 - 130
2-Fluorophenol	106	30 - 130
Nitrobenzene-d5	88	30 - 130
Phenol-d5	90	30 - 130
Terphenyl-d14	90	30 - 130

Method Blank TICs- Batch: 360-49016

Cas Number	Analyte	RT	Est. Result	Qual
621-59-0	Benzaldehyde, 3-hydroxy-4-methoxy-	9.83	15.1	T J N
111-82-0	Dodecanoic acid, methyl ester	10.28	11.9	T J N
593-45-3	Octadecane	11.38	63.3	T J N
112-95-8	Eicosane	12.08	31.5	T J N
7683-64-9	Squalene	16.44	54.3	T J N

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

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49016

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49016/2-A	Analysis Batch:	360-49400	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49016	Lab File ID:	B10487.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/22/2009 2114			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1153			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-49016/3-A	Analysis Batch:	360-49400	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49016	Lab File ID:	B10488.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/22/2009 2145			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1153			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1'-Biphenyl	95	92	40 - 140	3	30		
1,2,4,5-Tetrachlorobenzene	90	92	40 - 140	2	30		
1,2,4-Trichlorobenzene	75	79	40 - 140	5	30		
1,2-Dichlorobenzene	73	78	40 - 140	7	30		
1,3-Dichlorobenzene	62	65	40 - 140	6	30		
1,4-Dichlorobenzene	59	63	40 - 140	6	30		
1-Methylnaphthalene	88	86	40 - 140	2	30		
2,2'-oxybis[1-chloropropane]	82	87	40 - 140	6	30		
2,3,4,6-Tetrachlorophenol	79	78	40 - 140	1	30		
2,4,5-Trichlorophenol	89	96	30 - 130	8	30		
2,4,6-Trichlorophenol	91	94	30 - 130	3	30		
2,4-Dichlorophenol	82	83	30 - 130	2	30		
2,4-Dimethylphenol	80	84	30 - 130	4	30		
2,4-Dinitrophenol	72	76	30 - 130	6	30		
2,4-Dinitrotoluene	89	93	40 - 140	5	30		
2,6-Dinitrotoluene	92	95	40 - 140	4	30		
2-Chloronaphthalene	73	75	40 - 140	3	30		
2-Chlorophenol	70	74	30 - 130	6	30		
2-Methylnaphthalene	69	71	40 - 140	2	30		
2-Methylphenol	73	76	30 - 130	5	30		
2-Nitroaniline	106	107	40 - 140	1	30		
2-Nitrophenol	87	90	30 - 130	4	30		
3 & 4 Methylphenol	78	82	30 - 130	6	30		
3,3'-Dichlorobenzidine	97	103	40 - 140	6	30		
3-Nitroaniline	95	96	40 - 140	2	30		
4,6-Dinitro-2-methylphenol	94	98	30 - 130	4	30		
4-Bromophenyl phenyl ether	100	102	40 - 140	2	30		
4-Chloro-3-methylphenol	86	87	30 - 130	2	30		
4-Chloroaniline	63	62	40 - 140	1	30		
4-Chlorophenyl phenyl ether	95	98	40 - 140	3	30		
4-Nitroaniline	94	96	40 - 140	3	30		
4-Nitrophenol	101	106	30 - 130	5	30		

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

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49016

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49016/2-A	Analysis Batch:	360-49400	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49016	Lab File ID:	B10487.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/22/2009 2114			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1153			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-49016/3-A	Analysis Batch:	360-49400	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49016	Lab File ID:	B10488.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/22/2009 2145			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1153			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acenaphthene	105	108	40 - 140	3	30		
Acenaphthylene	91	93	40 - 140	2	30		
Acetophenone	70	75	40 - 140	8	30		
Aniline	29	31	40 - 140	8	30	*	*
Anthracene	116	120	40 - 140	3	30		
Atrazine	121	122	40 - 140	1	30		
Azobenzene	100	101	40 - 140	2	30		
Benzaldehyde	79	78	40 - 140	1	30		
Benzo[a]anthracene	119	126	40 - 140	6	30		
Benzo[a]pyrene	124	131	40 - 140	6	30		
Benzo[b]fluoranthene	105	114	40 - 140	8	30		
Benzo[g,h,i]perylene	115	121	40 - 140	5	30		
Benzo[k]fluoranthene	116	122	40 - 140	5	30		
Benzoic acid	51	52	30 - 130	2	30		
Benzophenone	104	104	40 - 140	0	30		
Benzyl alcohol	80	84	30 - 130	4	30		
Bis(2-chloroethoxy)methane	70	71	40 - 140	2	30		
Bis(2-chloroethyl)ether	63	67	40 - 140	6	30		
Bis(2-ethylhexyl) phthalate	141	141	40 - 140	0	30	*	*
Butyl benzyl phthalate	96	101	40 - 140	6	30		
Caprolactam	109	107	40 - 140	2	30		
Carbazole	107	112	40 - 140	4	30		
Chrysene	113	120	40 - 140	5	30		
Dibenz(a,h)anthracene	127	136	40 - 140	7	30		
Dibenzofuran	91	93	40 - 140	2	30		
Diethyl phthalate	98	101	40 - 140	3	30		
Dimethyl phthalate	96	99	40 - 140	3	30		
Di-n-butyl phthalate	118	123	40 - 140	4	30		
Di-n-octyl phthalate	95	101	40 - 140	5	30		
Diphenyl oxide	77	75	40 - 140	3	30		
Fluoranthene	107	113	40 - 140	5	30		
Fluorene	112	115	40 - 140	2	30		

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

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49016

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49016/2-A	Analysis Batch:	360-49400	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49016	Lab File ID:	B10487.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/22/2009 2114			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1153			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-49016/3-A	Analysis Batch:	360-49400	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49016	Lab File ID:	B10488.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/22/2009 2145			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1153			Injection Volume:	1.0 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Hexachlorobenzene	97	101	40 - 140	4	30		
Hexachlorobutadiene	79	79	40 - 140	0	30		
Hexachlorocyclopentadiene	69	74	40 - 140	6	30		
Hexachloroethane	62	66	40 - 140	7	30		
Indeno[1,2,3-cd]pyrene	126	134	40 - 140	6	30		
Isophorone	64	66	40 - 140	4	30		
Naphthalene	82	85	40 - 140	3	30		
Nitrobenzene	70	71	40 - 140	1	30		
N-Nitrosodimethylamine	74	79	40 - 140	6	30		
N-Nitrosodi-n-propylamine	77	81	40 - 140	5	30		
N-Nitrosodiphenylamine	70	73	40 - 140	5	30		
Pentachlorophenol	94	98	30 - 130	5	30		
Phenanthrene	102	108	40 - 140	5	30		
Phenol	72	77	30 - 130	7	30		
Pyrene	106	110	40 - 140	4	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	86	88	30 - 130
2-Fluorobiphenyl	81	80	30 - 130
2-Fluorophenol	78	80	30 - 130
Nitrobenzene-d5	64	62	30 - 130
Phenol-d5	67	70	30 - 130
Terphenyl-d14	82	83	30 - 130

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

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49016

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49016/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-49016/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/22/2009 2114			Date Analyzed:	09/22/2009 2145
Date Prepared:	09/16/2009 1153			Date Prepared:	09/16/2009 1153

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
1,1'-Biphenyl	333	333	318		307	
1,2,4,5-Tetrachlorobenzene	333	333	299		306	
1,2,4-Trichlorobenzene	333	333	249		262	
1,2-Dichlorobenzene	333	333	244		261	
1,3-Dichlorobenzene	333	333	205		217	
1,4-Dichlorobenzene	333	333	198		211	
1-Methylnaphthalene	333	333	293		286	
2,2'-oxybis[1-chloropropane]	333	333	273		291	
2,3,4,6-Tetrachlorophenol	333	333	264		260	
2,4,5-Trichlorophenol	333	333	297		320	
2,4,6-Trichlorophenol	333	333	303		314	
2,4-Dichlorophenol	333	333	272		276	
2,4-Dimethylphenol	333	333	267		279	
2,4-Dinitrophenol	333	333	238		254	
2,4-Dinitrotoluene	333	333	297		311	
2,6-Dinitrotoluene	333	333	306		318	
2-Chloronaphthalene	333	333	242		249	
2-Chlorophenol	333	333	233		247	
2-Methylnaphthalene	333	333	231		236	
2-Methylphenol	333	333	242		254	
2-Nitroaniline	333	333	353		358	
2-Nitrophenol	333	333	289		301	
3 & 4 Methylphenol	333	333	258		273	
3,3'-Dichlorobenzidine	333	333	323		343	
3-Nitroaniline	333	333	316		321	
4,6-Dinitro-2-methylphenol	333	333	315		327	
4-Bromophenyl phenyl ether	333	333	334		341	
4-Chloro-3-methylphenol	333	333	287		291	
4-Chloroaniline	333	333	211		208	
4-Chlorophenyl phenyl ether	333	333	317		326	
4-Nitroaniline	333	333	312		321	
4-Nitrophenol	333	333	337		354	
Acenaphthene	333	333	350		360	
Acenaphthylene	333	333	303		310	
Acetophenone	333	333	233		251	
Aniline	333	333	95.6	*	103	*
Anthracene	333	333	387		400	
Atrazine	333	333	402		406	
Azobenzene	333	333	333		338	

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

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49016

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49016/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-49016/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/22/2009 2114			Date Analyzed:	09/22/2009 2145
Date Prepared:	09/16/2009 1153			Date Prepared:	09/16/2009 1153

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Benzaldehyde	333	333	262		259	
Benzo[a]anthracene	333	333	397		419	
Benzo[a]pyrene	333	333	413		437	
Benzo[b]fluoranthene	333	333	351		380	
Benzo[g,h,i]perylene	333	333	382		402	
Benzo[k]fluoranthene	333	333	387		407	
Benzoic acid	333	333	171		174	
Benzophenone	333	333	347		347	
Benzyl alcohol	333	333	268		279	
Bis(2-chloroethoxy)methane	333	333	233		237	
Bis(2-chloroethyl)ether	333	333	210		223	
Bis(2-ethylhexyl) phthalate	333	333	472	*	470	*
Butyl benzyl phthalate	333	333	319		337	
Caprolactam	333	333	364		357	
Carbazole	333	333	357		374	
Chrysene	333	333	378		398	
Dibenz(a,h)anthracene	333	333	425		455	
Dibenzofuran	333	333	305		310	
Diethyl phthalate	333	333	327		337	
Dimethyl phthalate	333	333	319		330	
Di-n-butyl phthalate	333	333	395		410	
Di-n-octyl phthalate	333	333	318		335	
Diphenyl oxide	333	333	258		251	
Fluoranthene	333	333	357		375	
Fluorene	333	333	374		383	
Hexachlorobenzene	333	333	322		336	
Hexachlorobutadiene	333	333	263		264	
Hexachlorocyclopentadiene	333	333	231		245	
Hexachloroethane	333	333	205		220	
Indeno[1,2,3-cd]pyrene	333	333	421		447	
Isophorone	333	333	213		220	
Naphthalene	333	333	274		282	
Nitrobenzene	333	333	233		236	
N-Nitrosodimethylamine	333	333	248		263	
N-Nitrosodi-n-propylamine	333	333	255		269	
N-Nitrosodiphenylamine	333	333	232		245	
Pentachlorophenol	333	333	312		328	
Phenanthrene	333	333	341		360	
Phenol	333	333	240		257	

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

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49016

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49016/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-49016/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/22/2009 2114			Date Analyzed:	09/22/2009 2145
Date Prepared:	09/16/2009 1153			Date Prepared:	09/16/2009 1153

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Pyrene	333	333	353	368

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

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Method Blank - Batch: 360-49041

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-49041/1-A	Analysis Batch:	360-49511	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49041	Lab File ID:	B10564.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/26/2009 0141			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1513			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: 360-24499-2
Sdg Number: OCRI-13A

Method Blank - Batch: 360-49041

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-49041/1-A	Analysis Batch:	360-49511	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49041	Lab File ID:	B10564.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/26/2009 0141			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1513			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	62.2	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	211		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	72.7		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	77	30 - 130

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

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	72	30 - 130
2-Fluorophenol	94	30 - 130
Nitrobenzene-d5	79	30 - 130
Phenol-d5	88	30 - 130
Terphenyl-d14	86	30 - 130

Method Blank TICs- Batch: 360-49041

Cas Number	Analyte	RT	Est. Result	Qual
	Unknown	7.89	6.24	T J
121-33-5	Vanillin	9.40	13.0	T J N
593-45-3	Octadecane	10.97	47.0	T J N
112-95-8	Eicosane	11.66	27.0	T J N
596-85-0	1-Naphthalenepropanol, .alpha.-ethenylde	12.02	27.2	T J N
583-4-0	Benzoic acid, 2-propenyl ester	12.30	23.9	T J N
638-67-5	Tricosane	12.34	16.8	T J N
7683-64-9	Squalene	15.81	160	T J N

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

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49041

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49041/2-A	Analysis Batch:	360-49511	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49041	Lab File ID:	B10565.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/26/2009 0209			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1513			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-49041/3-A	Analysis Batch:	360-49511	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49041	Lab File ID:	B10566.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/26/2009 0237			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1513			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1'-Biphenyl	86	89	40 - 140	4	30		
1,2,4,5-Tetrachlorobenzene	66	72	40 - 140	8	30		
1,2,4-Trichlorobenzene	68	75	40 - 140	9	30		
1,2-Dichlorobenzene	58	63	40 - 140	8	30		
1,3-Dichlorobenzene	58	62	40 - 140	7	30		
1,4-Dichlorobenzene	58	62	40 - 140	7	30		
1-Methylnaphthalene	67	68	40 - 140	2	30		
2,2'-oxybis[1-chloropropane]	63	69	40 - 140	8	30		
2,3,4,6-Tetrachlorophenol	72	77	40 - 140	5	30		
2,4,5-Trichlorophenol	79	90	30 - 130	14	30		
2,4,6-Trichlorophenol	90	99	30 - 130	10	30		
2,4-Dichlorophenol	79	88	30 - 130	11	30		
2,4-Dimethylphenol	74	82	30 - 130	9	30		
2,4-Dinitrophenol	50	59	30 - 130	17	30		
2,4-Dinitrotoluene	76	84	40 - 140	10	30		
2,6-Dinitrotoluene	81	91	40 - 140	12	30		
2-Chloronaphthalene	63	70	40 - 140	10	30		
2-Chlorophenol	65	72	30 - 130	9	30		
2-Methylnaphthalene	63	69	40 - 140	9	30		
2-Methylphenol	71	78	30 - 130	10	30		
2-Nitroaniline	92	108	40 - 140	16	30		
2-Nitrophenol	77	84	30 - 130	9	30		
3 & 4 Methylphenol	75	82	30 - 130	10	30		
3,3'-Dichlorobenzidine	86	97	40 - 140	12	30		
3-Nitroaniline	81	89	40 - 140	10	30		
4,6-Dinitro-2-methylphenol	70	79	30 - 130	12	30		
4-Bromophenyl phenyl ether	87	97	40 - 140	11	30		
4-Chloro-3-methylphenol	84	93	30 - 130	11	30		
4-Chloroaniline	52	62	40 - 140	17	30		
4-Chlorophenyl phenyl ether	80	91	40 - 140	13	30		
4-Nitroaniline	82	92	40 - 140	12	30		
4-Nitrophenol	88	102	30 - 130	15	30		

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

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49041

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49041/2-A	Analysis Batch:	360-49511	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49041	Lab File ID:	B10565.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/26/2009 0209			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1513			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-49041/3-A	Analysis Batch:	360-49511	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49041	Lab File ID:	B10566.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/26/2009 0237			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1513			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acenaphthene	90	101	40 - 140	12	30		
Acenaphthylene	79	88	40 - 140	11	30		
Acetophenone	69	75	40 - 140	9	30		
Aniline	27	30	40 - 140	10	30	*	*
Anthracene	102	116	40 - 140	13	30		
Atrazine	114	118	40 - 140	3	30		
Azobenzene	89	98	40 - 140	10	30		
Benzaldehyde	77	77	40 - 140	0	30		
Benzo[a]anthracene	108	117	40 - 140	8	30		
Benzo[a]pyrene	98	107	40 - 140	9	30		
Benzo[b]fluoranthene	95	104	40 - 140	9	30		
Benzo[g,h,i]perylene	104	117	40 - 140	12	30		
Benzo[k]fluoranthene	103	115	40 - 140	11	30		
Benzoic acid	43	47	30 - 130	10	30	J	J
Benzophenone	99	103	40 - 140	4	30		
Benzyl alcohol	73	79	30 - 130	8	30		
Bis(2-chloroethoxy)methane	64	70	40 - 140	10	30		
Bis(2-chloroethyl)ether	61	66	40 - 140	8	30		
Bis(2-ethylhexyl) phthalate	159	158	40 - 140	0	30	*	*
Butyl benzyl phthalate	96	103	40 - 140	7	30		
Caprolactam	90	94	40 - 140	5	30		
Carbazole	98	110	40 - 140	12	30		
Chrysene	102	110	40 - 140	8	30		
Dibenz(a,h)anthracene	104	117	40 - 140	12	30		
Dibenzofuran	79	88	40 - 140	11	30		
Diethyl phthalate	86	97	40 - 140	12	30		
Dimethyl phthalate	84	95	40 - 140	13	30		
Di-n-butyl phthalate	107	117	40 - 140	9	30		
Di-n-octyl phthalate	81	85	40 - 140	5	30		
Diphenyl oxide	72	73	40 - 140	2	30		
Fluoranthene	96	108	40 - 140	12	30		
Fluorene	98	110	40 - 140	12	30		

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

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49041

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49041/2-A	Analysis Batch:	360-49511	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49041	Lab File ID:	B10565.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/26/2009 0209			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1513			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-49041/3-A	Analysis Batch:	360-49511	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49041	Lab File ID:	B10566.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/26/2009 0237			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1513			Injection Volume:	1.0 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Hexachlorobenzene	87	97	40 - 140	11	30		
Hexachlorobutadiene	61	66	40 - 140	8	30		
Hexachlorocyclopentadiene	60	67	40 - 140	11	30		
Hexachloroethane	61	66	40 - 140	7	30		
Indeno[1,2,3-cd]pyrene	105	117	40 - 140	11	30		
Isophorone	59	66	40 - 140	10	30		
Naphthalene	61	67	40 - 140	9	30		
Nitrobenzene	63	69	40 - 140	8	30		
N-Nitrosodimethylamine	70	75	40 - 140	7	30		
N-Nitrosodi-n-propylamine	70	77	40 - 140	9	30		
N-Nitrosodiphenylamine	63	71	40 - 140	12	30		
Pentachlorophenol	81	94	30 - 130	14	30		
Phenanthrene	95	106	40 - 140	11	30		
Phenol	69	75	30 - 130	8	30		
Pyrene	92	98	40 - 140	6	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	81	87	30 - 130
2-Fluorobiphenyl	75	79	30 - 130
2-Fluorophenol	71	73	30 - 130
Nitrobenzene-d5	60	61	30 - 130
Phenol-d5	68	70	30 - 130
Terphenyl-d14	77	78	30 - 130

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

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49041

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49041/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-49041/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/26/2009 0209			Date Analyzed:	09/26/2009 0237
Date Prepared:	09/16/2009 1513			Date Prepared:	09/16/2009 1513

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
1,1'-Biphenyl	333	333	286		297	
1,2,4,5-Tetrachlorobenzene	333	333	221		239	
1,2,4-Trichlorobenzene	333	333	228		249	
1,2-Dichlorobenzene	333	333	195		210	
1,3-Dichlorobenzene	333	333	194		208	
1,4-Dichlorobenzene	333	333	194		207	
1-Methylnaphthalene	333	333	225		228	
2,2'-oxybis[1-chloropropane]	333	333	210		229	
2,3,4,6-Tetrachlorophenol	333	333	241		255	
2,4,5-Trichlorophenol	333	333	262		301	
2,4,6-Trichlorophenol	333	333	300		331	
2,4-Dichlorophenol	333	333	264		294	
2,4-Dimethylphenol	333	333	248		272	
2,4-Dinitrophenol	333	333	167		197	
2,4-Dinitrotoluene	333	333	252		280	
2,6-Dinitrotoluene	333	333	270		305	
2-Chloronaphthalene	333	333	211		233	
2-Chlorophenol	333	333	218		239	
2-Methylnaphthalene	333	333	208		229	
2-Methylphenol	333	333	235		260	
2-Nitroaniline	333	333	307		360	
2-Nitrophenol	333	333	257		281	
3 & 4 Methylphenol	333	333	249		275	
3,3'-Dichlorobenzidine	333	333	288		323	
3-Nitroaniline	333	333	269		298	
4,6-Dinitro-2-methylphenol	333	333	234		264	
4-Bromophenyl phenyl ether	333	333	288		322	
4-Chloro-3-methylphenol	333	333	278		311	
4-Chloroaniline	333	333	173		205	
4-Chlorophenyl phenyl ether	333	333	268		304	
4-Nitroaniline	333	333	273		307	
4-Nitrophenol	333	333	293		340	
Acenaphthene	333	333	299		336	
Acenaphthylene	333	333	264		293	
Acetophenone	333	333	230		251	
Aniline	333	333	89.9	*	99.5	*
Anthracene	333	333	340		386	
Atrazine	333	333	379		392	
Azobenzene	333	333	297		327	

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

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49041

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49041/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-49041/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/26/2009 0209			Date Analyzed:	09/26/2009 0237
Date Prepared:	09/16/2009 1513			Date Prepared:	09/16/2009 1513

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Benzaldehyde	333	333	257		257	
Benzo[a]anthracene	333	333	360		390	
Benzo[a]pyrene	333	333	325		357	
Benzo[b]fluoranthene	333	333	317		345	
Benzo[g,h,i]perylene	333	333	348		390	
Benzo[k]fluoranthene	333	333	343		382	
Benzoic acid	333	333	143	J	158	J
Benzophenone	333	333	329		344	
Benzyl alcohol	333	333	244		264	
Bis(2-chloroethoxy)methane	333	333	212		234	
Bis(2-chloroethyl)ether	333	333	202		219	
Bis(2-ethylhexyl) phthalate	333	333	530	*	528	*
Butyl benzyl phthalate	333	333	321		344	
Caprolactam	333	333	299		314	
Carbazole	333	333	326		368	
Chrysene	333	333	339		368	
Dibenz(a,h)anthracene	333	333	345		390	
Dibenzofuran	333	333	262		294	
Diethyl phthalate	333	333	285		323	
Dimethyl phthalate	333	333	280		317	
Di-n-butyl phthalate	333	333	355		390	
Di-n-octyl phthalate	333	333	271		285	
Diphenyl oxide	333	333	240		244	
Fluoranthene	333	333	320		361	
Fluorene	333	333	327		367	
Hexachlorobenzene	333	333	290		324	
Hexachlorobutadiene	333	333	202		219	
Hexachlorocyclopentadiene	333	333	201		225	
Hexachloroethane	333	333	205		219	
Indeno[1,2,3-cd]pyrene	333	333	351		390	
Isophorone	333	333	198		219	
Naphthalene	333	333	204		222	
Nitrobenzene	333	333	211		229	
N-Nitrosodimethylamine	333	333	232		249	
N-Nitrosodi-n-propylamine	333	333	233		256	
N-Nitrosodiphenylamine	333	333	211		238	
Pentachlorophenol	333	333	271		312	
Phenanthrene	333	333	316		353	
Phenol	333	333	232		251	

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

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49041

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49041/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-49041/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/26/2009 0209			Date Analyzed:	09/26/2009 0237
Date Prepared:	09/16/2009 1513			Date Prepared:	09/16/2009 1513

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Pyrene	333	333	307	326

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

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Method Blank - Batch: 360-49675

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 360-49675/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/30/2009 1509
Date Prepared: 09/30/2009 1004

Analysis Batch: 360-49723
Prep Batch: 360-49675
Units: mg/Kg

Instrument ID: Varian 720 ES ICP
Lab File ID: N/A
Initial Weight/Volume: 2.0 g
Final Weight/Volume: 100 mL

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	6.54	J	2.5	10
Chromium	0.0755	J	0.066	0.50
Cobalt	ND		0.065	0.50
Copper	ND		0.065	1.0
Iron	0.867	J	0.80	5.0
Lead	ND		0.057	0.50
Magnesium	1.66	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	0.468	J	0.32	5.0

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

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49675

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCS 360-49675/2-A	Analysis Batch:	360-49723	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch:	360-49675	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	2.0 g
Date Analyzed:	09/30/2009 1511			Final Weight/Volume:	100 mL
Date Prepared:	09/30/2009 1004				

LCSD Lab Sample ID:	LCSD 360-49675/3-A	Analysis Batch:	360-49723	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch:	360-49675	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	2.0 g
Date Analyzed:	09/30/2009 1514			Final Weight/Volume:	100 mL
Date Prepared:	09/30/2009 1004				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aluminum	90	89	80 - 120	1	30		
Antimony	82	84	80 - 120	2	30		
Arsenic	91	90	80 - 120	1	30		
Barium	93	91	80 - 120	2	30		
Beryllium	91	89	80 - 120	2	30		
Cadmium	91	90	80 - 120	1	30		
Calcium	93	91	80 - 120	2	30		
Chromium	92	90	80 - 120	2	30		
Cobalt	92	90	80 - 120	2	30		
Copper	92	90	80 - 120	3	30		
Iron	92	90	80 - 120	2	30		
Lead	90	90	80 - 120	1	30		
Magnesium	90	89	80 - 120	1	30		
Manganese	92	90	80 - 120	2	30		
Nickel	91	90	80 - 120	2	30		
Potassium	87	87	80 - 120	0	30		
Selenium	91	89	80 - 120	2	30		
Silver	92	90	80 - 120	1	30		
Sodium	89	89	80 - 120	0	30		
Thallium	89	89	80 - 120	0	30		
Vanadium	93	91	80 - 120	2	30		
Zinc	90	89	80 - 120	1	30		
Tin	91	90	80 - 120	1	30		

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

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49675

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCS 360-49675/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 360-49675/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/30/2009 1511			Date Analyzed:	09/30/2009 1514
Date Prepared:	09/30/2009 1004			Date Prepared:	09/30/2009 1004

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Aluminum	250	250	226	224
Antimony	50.0	50.0	40.8	41.8
Arsenic	50.0	50.0	45.4	44.8
Barium	50.0	50.0	46.3	45.3
Beryllium	50.0	50.0	45.6	44.6
Cadmium	50.0	50.0	45.4	44.9
Calcium	1000	1000	929	911
Chromium	50.0	50.0	46.2	45.2
Cobalt	50.0	50.0	45.8	45.1
Copper	50.0	50.0	46.2	44.8
Iron	250	250	230	226
Lead	50.0	50.0	45.2	44.8
Magnesium	1000	1000	896	890
Manganese	50.0	50.0	46.2	45.2
Nickel	50.0	50.0	45.5	44.8
Potassium	1000	1000	866	866
Selenium	50.0	50.0	45.3	44.4
Silver	50.0	50.0	45.8	45.1
Sodium	1000	1000	887	885
Thallium	50.0	50.0	44.7	44.6
Vanadium	50.0	50.0	46.3	45.3
Zinc	50.0	50.0	44.9	44.6
Tin	50.0	50.0	45.5	44.9

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

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Matrix Spike - Batch: 360-49675

Method: 6010B
Preparation: 3050B

Lab Sample ID: 360-24499-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/30/2009 1523
Date Prepared: 09/30/2009 1004

Analysis Batch: 360-49723
Prep Batch: 360-49675
Units: mg/Kg

Instrument ID: Varian 720 ES ICP
Lab File ID: N/A
Initial Weight/Volume: 1.93 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	1400		286	1500	51	75 - 125	4
Antimony	ND		57.3	34.9	61	75 - 125	F
Arsenic	2.2		57.3	51.8	87	75 - 125	
Barium	11		57.3	65.1	94	75 - 125	
Beryllium	0.046	J	57.3	51.3	89	75 - 125	
Cadmium	0.38		57.3	50.6	88	75 - 125	
Calcium	1200		1150	1580	31	75 - 125	F
Chromium	33		57.3	63.2	52	75 - 125	F
Cobalt	2.6		57.3	52.0	86	75 - 125	
Copper	28		57.3	54.2	46	75 - 125	F
Iron	21000		286	2530	-6410	75 - 125	4
Lead	1.1		57.3	51.4	88	75 - 125	
Magnesium	280		1150	1360	94	75 - 125	
Manganese	190		57.3	77.1	-196	75 - 125	F
Nickel	19		57.3	52.2	58	75 - 125	F
Potassium	320		1150	1430	96	75 - 125	
Selenium	ND		57.3	50.0	87	75 - 125	
Silver	0.15	J	57.3	50.5	88	75 - 125	
Sodium	150		1150	1120	85	75 - 125	
Thallium	0.13	J	57.3	48.9	85	75 - 125	
Vanadium	2.8		57.3	55.1	91	75 - 125	
Zinc	4.4		57.3	54.0	87	75 - 125	
Tin	14		57.3	54.6	71	75 - 125	F

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

Quality Control Results

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Duplicate - Batch: 360-49675

Method: 6010B
Preparation: 3050B

Lab Sample ID: 360-24499-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/30/2009 1520
Date Prepared: 09/30/2009 1004

Analysis Batch: 360-49723
Prep Batch: 360-49675
Units: mg/Kg

Instrument ID: Varian 720 ES ICP
Lab File ID: N/A
Initial Weight/Volume: 1.93 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	1400		758	56	35	F
Antimony	ND		ND	NC	35	
Arsenic	2.2		0.920	84	35	J F
Barium	11		13.3	16	35	
Beryllium	0.046	J	0.0391	16	35	J
Cadmium	0.38		0.0448	158	35	J F
Calcium	1200		416	98	35	F
Chromium	33		10.2	106	35	F
Cobalt	2.6		0.748	111	35	F
Copper	28		2.30	170	35	F
Iron	21000		1790	168	35	F
Lead	1.1		1.72	42	35	F
Magnesium	280		219	25	35	
Manganese	190		17.9	166	35	F
Nickel	19		1.21	176	35	F
Potassium	320		286	12	35	
Selenium	ND		ND	NC	35	
Silver	0.15	J	ND	NC	35	
Sodium	150		118	23	35	
Thallium	0.13	J	ND	NC	35	
Vanadium	2.8		2.25	23	35	
Zinc	4.4		3.22	31	35	
Tin	14		4.32	105	35	J F

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

DATA REPORTING QUALIFIERS

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	B	Compound was found in the blank and sample.
	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.
	F	Duplicate RPD exceeds the control limit
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	W	PS: Post-digestion spike was outside control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	V	Serial Dilution exceeds the control limits

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 360-49016					
LCS 360-49016/2-A	Lab Control Sample	T	Solid	3546	
LCSD 360-49016/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 360-49016/1-A	Method Blank	T	Solid	3546	
360-24499-3	OC-SB-469-28/30-XXX	T	Solid	3546	
Prep Batch: 360-49041					
LCS 360-49041/2-A	Lab Control Sample	T	Solid	3546	
LCSD 360-49041/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 360-49041/1-A	Method Blank	T	Solid	3546	
360-24499-15	OC-SB-417-20/22-XXX	T	Solid	3546	
360-24499-18	OC-SB-434-15/16-XXX	T	Solid	3546	
360-24499-21	OC-SB-450-33/35-XXX	T	Solid	3546	
Analysis Batch:360-49400					
LCS 360-49016/2-A	Lab Control Sample	T	Solid	8270C LL	360-49016
LCSD 360-49016/3-A	Lab Control Sample Duplicate	T	Solid	8270C LL	360-49016
MB 360-49016/1-A	Method Blank	T	Solid	8270C LL	360-49016
Analysis Batch:360-49444					
360-24499-3	OC-SB-469-28/30-XXX	T	Solid	8270C LL	360-49016
Analysis Batch:360-49511					
LCS 360-49041/2-A	Lab Control Sample	T	Solid	8270C LL	360-49041
LCSD 360-49041/3-A	Lab Control Sample Duplicate	T	Solid	8270C LL	360-49041
MB 360-49041/1-A	Method Blank	T	Solid	8270C LL	360-49041
Analysis Batch:360-49517					
360-24499-15	OC-SB-417-20/22-XXX	T	Solid	8270C LL	360-49041
360-24499-18	OC-SB-434-15/16-XXX	T	Solid	8270C LL	360-49041
360-24499-21	OC-SB-450-33/35-XXX	T	Solid	8270C LL	360-49041

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-24499-2
Sdg Number: OCRI-13A

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 360-49675					
LCS 360-49675/2-A	Lab Control Sample	T	Solid	3050B	
LCSD 360-49675/3-A	Lab Control Sample Duplicate	T	Solid	3050B	
MB 360-49675/1-A	Method Blank	T	Solid	3050B	
360-24499-3	OC-SB-469-28/30-XXX	T	Solid	3050B	
360-24499-3DU	Duplicate	T	Solid	3050B	
360-24499-3MS	Matrix Spike	T	Solid	3050B	
360-24499-15	OC-SB-417-20/22-XXX	T	Solid	3050B	
360-24499-18	OC-SB-434-15/16-XXX	T	Solid	3050B	
360-24499-21	OC-SB-450-33/35-XXX	T	Solid	3050B	
Analysis Batch:360-49723					
LCS 360-49675/2-A	Lab Control Sample	T	Solid	6010B	360-49675
LCSD 360-49675/3-A	Lab Control Sample Duplicate	T	Solid	6010B	360-49675
MB 360-49675/1-A	Method Blank	T	Solid	6010B	360-49675
360-24499-3	OC-SB-469-28/30-XXX	T	Solid	6010B	360-49675
360-24499-3DU	Duplicate	T	Solid	6010B	360-49675
360-24499-3MS	Matrix Spike	T	Solid	6010B	360-49675
360-24499-15	OC-SB-417-20/22-XXX	T	Solid	6010B	360-49675
360-24499-18	OC-SB-434-15/16-XXX	T	Solid	6010B	360-49675
360-24499-21	OC-SB-450-33/35-XXX	T	Solid	6010B	360-49675

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-24499-2
SDG: OCRI-13A

Laboratory Chronicle

Lab ID: 360-24499-3 **Client ID:** OC-SB-469-28/30-XXX

Sample Date/Time: 09/09/2009 10:40 Received Date/Time: 09/09/2009 18:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24499-A-3-G		360-49444	360-49016	09/16/2009 11:53	1	TAL WFD	BRB
A:8270C LL	360-24499-A-3-G		360-49444	360-49016	09/24/2009 06:28	1	TAL WFD	PJS
P:3050B	360-24499-A-3-D		360-49723	360-49675	09/30/2009 10:04	1	TAL WFD	TFB
A:6010B	360-24499-A-3-D		360-49723	360-49675	09/30/2009 15:17	1	TAL WFD	TJS

Lab ID: 360-24499-3 MS **Client ID:** OC-SB-469-28/30-XXX

Sample Date/Time: 09/09/2009 10:40 Received Date/Time: 09/09/2009 18:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	360-24499-A-3-F MS		360-49723	360-49675	09/30/2009 10:04	1	TAL WFD	TFB
A:6010B	360-24499-A-3-F MS		360-49723	360-49675	09/30/2009 15:23	1	TAL WFD	TJS

Lab ID: 360-24499-3 DU **Client ID:** OC-SB-469-28/30-XXX

Sample Date/Time: 09/09/2009 10:40 Received Date/Time: 09/09/2009 18:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	360-24499-A-3-E DU		360-49723	360-49675	09/30/2009 10:04	1	TAL WFD	TFB
A:6010B	360-24499-A-3-E DU		360-49723	360-49675	09/30/2009 15:20	1	TAL WFD	TJS

Lab ID: 360-24499-15 **Client ID:** OC-SB-417-20/22-XXX

Sample Date/Time: 09/10/2009 12:05 Received Date/Time: 09/10/2009 18:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24499-A-15-E		360-49517	360-49041	09/16/2009 15:13	1	TAL WFD	BRB
A:8270C LL	360-24499-A-15-E		360-49517	360-49041	09/26/2009 04:54	1	TAL WFD	PJS
P:3050B	360-24499-A-15-D		360-49723	360-49675	09/30/2009 10:04	1	TAL WFD	TFB
A:6010B	360-24499-A-15-D		360-49723	360-49675	09/30/2009 15:37	1	TAL WFD	TJS

Lab ID: 360-24499-18 **Client ID:** OC-SB-434-15/16-XXX

Sample Date/Time: 09/10/2009 09:35 Received Date/Time: 09/10/2009 18:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24499-A-18-F		360-49517	360-49041	09/16/2009 15:13	1	TAL WFD	BRB
A:8270C LL	360-24499-A-18-F		360-49517	360-49041	09/26/2009 06:17	1	TAL WFD	PJS
P:3050B	360-24499-A-18-E		360-49723	360-49675	09/30/2009 10:04	1	TAL WFD	TFB
A:6010B	360-24499-A-18-E		360-49723	360-49675	09/30/2009 15:40	1	TAL WFD	TJS

Client: Olin Corporation

Job Number: 360-24499-2
SDG: OCRI-13A

Laboratory Chronicle

Lab ID: **360-24499-21** **Client ID:** **OC-SB-450-33/35-XXX**

Sample Date/Time: 09/09/2009 16:55 Received Date/Time: 09/10/2009 18:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24499-A-21-D		360-49517	360-49041	09/16/2009 15:13	1	TAL WFD	BRB
A:8270C LL	360-24499-A-21-D		360-49517	360-49041	09/26/2009 07:39	1	TAL WFD	PJS
P:3050B	360-24499-A-21-C		360-49723	360-49675	09/30/2009 10:04	1	TAL WFD	TFB
A:6010B	360-24499-A-21-C		360-49723	360-49675	09/30/2009 15:43	1	TAL WFD	TJS

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 360-49016/1-A		360-49400	360-49016	09/16/2009 11:53	1	TAL WFD	BRB
A:8270C LL	MB 360-49016/1-A		360-49400	360-49016	09/22/2009 20:43	1	TAL WFD	PJS
P:3546	MB 360-49041/1-A		360-49511	360-49041	09/16/2009 15:13	1	TAL WFD	BRB
A:8270C LL	MB 360-49041/1-A		360-49511	360-49041	09/26/2009 01:41	1	TAL WFD	PJS
P:3050B	MB 360-49675/1-A		360-49723	360-49675	09/30/2009 10:04	1	TAL WFD	TFB
A:6010B	MB 360-49675/1-A		360-49723	360-49675	09/30/2009 15:09	1	TAL WFD	TJS

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 360-49016/2-A		360-49400	360-49016	09/16/2009 11:53	1	TAL WFD	BRB
A:8270C LL	LCS 360-49016/2-A		360-49400	360-49016	09/22/2009 21:14	1	TAL WFD	PJS
P:3546	LCS 360-49041/2-A		360-49511	360-49041	09/16/2009 15:13	1	TAL WFD	BRB
A:8270C LL	LCS 360-49041/2-A		360-49511	360-49041	09/26/2009 02:09	1	TAL WFD	PJS
P:3050B	LCS 360-49675/2-A		360-49723	360-49675	09/30/2009 10:04	1	TAL WFD	TFB
A:6010B	LCS 360-49675/2-A		360-49723	360-49675	09/30/2009 15:11	1	TAL WFD	TJS

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 360-49016/3-A		360-49400	360-49016	09/16/2009 11:53	1	TAL WFD	BRB
A:8270C LL	LCSD 360-49016/3-A		360-49400	360-49016	09/22/2009 21:45	1	TAL WFD	PJS
P:3546	LCSD 360-49041/3-A		360-49511	360-49041	09/16/2009 15:13	1	TAL WFD	BRB
A:8270C LL	LCSD 360-49041/3-A		360-49511	360-49041	09/26/2009 02:37	1	TAL WFD	PJS
P:3050B	LCSD 360-49675/3-A		360-49723	360-49675	09/30/2009 10:04	1	TAL WFD	TFB
A:6010B	LCSD 360-49675/3-A		360-49723	360-49675	09/30/2009 15:14	1	TAL WFD	TJS

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.: 360-24499-2

SDG No.: OCRI-13A

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-469-28/30-XXX	360-24499-3	88	75	74	68	66	76
OC-SB-417-20/22-XXX	360-24499-15	80	75	56	64	69	73
OC-SB-434-15/16-XXX	360-24499-18	88	82	62	68	69	82
OC-SB-450-33/35-XXX	360-24499-21	75	70	66	61	64	81
	MB 360-49016/1-A	106	90	88	76	81	90
	MB 360-49041/1-A	94	88	79	72	77	86
	LCS 360-49016/2-A	78	67	64	81	86	82
	LCS 360-49041/2-A	71	68	60	75	81	77
	LCSD 360-49016/3-A	80	70	62	80	88	83
	LCSD 360-49041/3-A	73	70	61	79	87	78

	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.: 360-24499-2

SDG No.: OCRI-13A

Matrix: Solid Level: Low Lab File ID: B10487.D

Lab ID: LCS 360-49016/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	333	318	95	40-140	
1,2,4,5-Tetrachlorobenzene	333	299	90	40-140	
1,2,4-Trichlorobenzene	333	249	75	40-140	
1,2-Dichlorobenzene	333	244	73	40-140	
1,3-Dichlorobenzene	333	205	62	40-140	
1,4-Dichlorobenzene	333	198	59	40-140	
1-Methylnaphthalene	333	293	88	40-140	
2,2'-oxybis[1-chloropropane]	333	273	82	40-140	
2,3,4,6-Tetrachlorophenol	333	264	79	40-140	
2,4,5-Trichlorophenol	333	297	89	30-130	
2,4,6-Trichlorophenol	333	303	91	30-130	
2,4-Dichlorophenol	333	272	82	30-130	
2,4-Dimethylphenol	333	267	80	30-130	
2,4-Dinitrophenol	333	238	72	30-130	
2,4-Dinitrotoluene	333	297	89	40-140	
2,6-Dinitrotoluene	333	306	92	40-140	
2-Chloronaphthalene	333	242	73	40-140	
2-Chlorophenol	333	233	70	30-130	
2-Methylnaphthalene	333	231	69	40-140	
2-Methylphenol	333	242	73	30-130	
2-Nitroaniline	333	353	106	40-140	
2-Nitrophenol	333	289	87	30-130	
3 & 4 Methylphenol	333	258	78	30-130	
3,3'-Dichlorobenzidine	333	323	97	40-140	
3-Nitroaniline	333	316	95	40-140	
4,6-Dinitro-2-methylphenol	333	315	94	30-130	
4-Bromophenyl phenyl ether	333	334	100	40-140	
4-Chloro-3-methylphenol	333	287	86	30-130	
4-Chloroaniline	333	211	63	40-140	
4-Chlorophenyl phenyl ether	333	317	95	40-140	
4-Nitroaniline	333	312	94	40-140	
4-Nitrophenol	333	337	101	30-130	
Acenaphthene	333	350	105	40-140	
Acenaphthylene	333	303	91	40-140	
Acetophenone	333	233	70	40-140	
Aniline	333	95.6	29	40-140	*
Anthracene	333	387	116	40-140	
Atrazine	333	402	121	40-140	
Azobenzene	333	333	100	40-140	
Benzaldehyde	333	262	79	40-140	
Benzo[a]anthracene	333	397	119	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.: 360-24499-2

SDG No.: OCRI-13A

Matrix: Solid Level: Low Lab File ID: B10487.D

Lab ID: LCS 360-49016/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Benzo[a]pyrene	333	413	124	40-140	
Benzo[b]fluoranthene	333	351	105	40-140	
Benzo[g,h,i]perylene	333	382	115	40-140	
Benzo[k]fluoranthene	333	387	116	40-140	
Benzoic acid	333	171	51	30-130	
Benzophenone	333	347	104	40-140	
Benzyl alcohol	333	268	80	30-130	
Bis(2-chloroethoxy)methane	333	233	70	40-140	
Bis(2-chloroethyl)ether	333	210	63	40-140	
Bis(2-ethylhexyl) phthalate	333	472	141	40-140	*
Butyl benzyl phthalate	333	319	96	40-140	
Caprolactam	333	364	109	40-140	
Carbazole	333	357	107	40-140	
Chrysene	333	378	113	40-140	
Dibenz(a,h)anthracene	333	425	127	40-140	
Dibenzofuran	333	305	91	40-140	
Diethyl phthalate	333	327	98	40-140	
Dimethyl phthalate	333	319	96	40-140	
Di-n-butyl phthalate	333	395	118	40-140	
Di-n-octyl phthalate	333	318	95	40-140	
Diphenyl oxide	333	258	77	40-140	
Fluoranthene	333	357	107	40-140	
Fluorene	333	374	112	40-140	
Hexachlorobenzene	333	322	97	40-140	
Hexachlorobutadiene	333	263	79	40-140	
Hexachlorocyclopentadiene	333	231	69	40-140	
Hexachloroethane	333	205	62	40-140	
Indeno[1,2,3-cd]pyrene	333	421	126	40-140	
Isophorone	333	213	64	40-140	
Naphthalene	333	274	82	40-140	
Nitrobenzene	333	233	70	40-140	
N-Nitrosodimethylamine	333	248	74	40-140	
N-Nitrosodi-n-propylamine	333	255	77	40-140	
N-Nitrosodiphenylamine	333	232	70	40-140	
Pentachlorophenol	333	312	94	30-130	
Phenanthrene	333	341	102	40-140	
Phenol	333	240	72	30-130	
Pyrene	333	353	106	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.: 360-24499-2

SDG No.: OCRI-13A

Matrix: Solid Level: Low Lab File ID: B10565.D

Lab ID: LCS 360-49041/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	333	286	86	40-140	
1,2,4,5-Tetrachlorobenzene	333	221	66	40-140	
1,2,4-Trichlorobenzene	333	228	68	40-140	
1,2-Dichlorobenzene	333	195	58	40-140	
1,3-Dichlorobenzene	333	194	58	40-140	
1,4-Dichlorobenzene	333	194	58	40-140	
1-Methylnaphthalene	333	225	67	40-140	
2,2'-oxybis[1-chloropropane]	333	210	63	40-140	
2,3,4,6-Tetrachlorophenol	333	241	72	40-140	
2,4,5-Trichlorophenol	333	262	79	30-130	
2,4,6-Trichlorophenol	333	300	90	30-130	
2,4-Dichlorophenol	333	264	79	30-130	
2,4-Dimethylphenol	333	248	74	30-130	
2,4-Dinitrophenol	333	167	50	30-130	
2,4-Dinitrotoluene	333	252	76	40-140	
2,6-Dinitrotoluene	333	270	81	40-140	
2-Chloronaphthalene	333	211	63	40-140	
2-Chlorophenol	333	218	65	30-130	
2-Methylnaphthalene	333	208	63	40-140	
2-Methylphenol	333	235	71	30-130	
2-Nitroaniline	333	307	92	40-140	
2-Nitrophenol	333	257	77	30-130	
3 & 4 Methylphenol	333	249	75	30-130	
3,3'-Dichlorobenzidine	333	288	86	40-140	
3-Nitroaniline	333	269	81	40-140	
4,6-Dinitro-2-methylphenol	333	234	70	30-130	
4-Bromophenyl phenyl ether	333	288	87	40-140	
4-Chloro-3-methylphenol	333	278	84	30-130	
4-Chloroaniline	333	173	52	40-140	
4-Chlorophenyl phenyl ether	333	268	80	40-140	
4-Nitroaniline	333	273	82	40-140	
4-Nitrophenol	333	293	88	30-130	
Acenaphthene	333	299	90	40-140	
Acenaphthylene	333	264	79	40-140	
Acetophenone	333	230	69	40-140	
Aniline	333	89.9	27	40-140	*
Anthracene	333	340	102	40-140	
Atrazine	333	379	114	40-140	
Azobenzene	333	297	89	40-140	
Benzaldehyde	333	257	77	40-140	
Benzo[a]anthracene	333	360	108	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.: 360-24499-2

SDG No.: OCRI-13A

Matrix: Solid Level: Low Lab File ID: B10565.D

Lab ID: LCS 360-49041/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Benzo[a]pyrene	333	325	98	40-140	
Benzo[b]fluoranthene	333	317	95	40-140	
Benzo[g,h,i]perylene	333	348	104	40-140	
Benzo[k]fluoranthene	333	343	103	40-140	
Benzoic acid	333	143 J	43	30-130	
Benzophenone	333	329	99	40-140	
Benzyl alcohol	333	244	73	30-130	
Bis(2-chloroethoxy)methane	333	212	64	40-140	
Bis(2-chloroethyl)ether	333	202	61	40-140	
Bis(2-ethylhexyl) phthalate	333	530	159	40-140	*
Butyl benzyl phthalate	333	321	96	40-140	
Caprolactam	333	299	90	40-140	
Carbazole	333	326	98	40-140	
Chrysene	333	339	102	40-140	
Dibenz(a,h)anthracene	333	345	104	40-140	
Dibenzofuran	333	262	79	40-140	
Diethyl phthalate	333	285	86	40-140	
Dimethyl phthalate	333	280	84	40-140	
Di-n-butyl phthalate	333	355	107	40-140	
Di-n-octyl phthalate	333	271	81	40-140	
Diphenyl oxide	333	240	72	40-140	
Fluoranthene	333	320	96	40-140	
Fluorene	333	327	98	40-140	
Hexachlorobenzene	333	290	87	40-140	
Hexachlorobutadiene	333	202	61	40-140	
Hexachlorocyclopentadiene	333	201	60	40-140	
Hexachloroethane	333	205	61	40-140	
Indeno[1,2,3-cd]pyrene	333	351	105	40-140	
Isophorone	333	198	59	40-140	
Naphthalene	333	204	61	40-140	
Nitrobenzene	333	211	63	40-140	
N-Nitrosodimethylamine	333	232	70	40-140	
N-Nitrosodi-n-propylamine	333	233	70	40-140	
N-Nitrosodiphenylamine	333	211	63	40-140	
Pentachlorophenol	333	271	81	30-130	
Phenanthrene	333	316	95	40-140	
Phenol	333	232	69	30-130	
Pyrene	333	307	92	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.: 360-24499-2

SDG No.: OCRI-13A

Matrix: Solid Level: Low Lab File ID: B10488.D

Lab ID: LCSD 360-49016/3-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	307	92	3	30	40-140	
1,2,4,5-Tetrachlorobenzene	333	306	92	2	30	40-140	
1,2,4-Trichlorobenzene	333	262	79	5	30	40-140	
1,2-Dichlorobenzene	333	261	78	7	30	40-140	
1,3-Dichlorobenzene	333	217	65	6	30	40-140	
1,4-Dichlorobenzene	333	211	63	6	30	40-140	
1-Methylnaphthalene	333	286	86	2	30	40-140	
2,2'-oxybis[1-chloropropane]	333	291	87	6	30	40-140	
2,3,4,6-Tetrachlorophenol	333	260	78	1	30	40-140	
2,4,5-Trichlorophenol	333	320	96	8	30	30-130	
2,4,6-Trichlorophenol	333	314	94	3	30	30-130	
2,4-Dichlorophenol	333	276	83	2	30	30-130	
2,4-Dimethylphenol	333	279	84	4	30	30-130	
2,4-Dinitrophenol	333	254	76	6	30	30-130	
2,4-Dinitrotoluene	333	311	93	5	30	40-140	
2,6-Dinitrotoluene	333	318	95	4	30	40-140	
2-Chloronaphthalene	333	249	75	3	30	40-140	
2-Chlorophenol	333	247	74	6	30	30-130	
2-Methylnaphthalene	333	236	71	2	30	40-140	
2-Methylphenol	333	254	76	5	30	30-130	
2-Nitroaniline	333	358	107	1	30	40-140	
2-Nitrophenol	333	301	90	4	30	30-130	
3 & 4 Methylphenol	333	273	82	6	30	30-130	
3,3'-Dichlorobenzidine	333	343	103	6	30	40-140	
3-Nitroaniline	333	321	96	2	30	40-140	
4,6-Dinitro-2-methylphenol	333	327	98	4	30	30-130	
4-Bromophenyl phenyl ether	333	341	102	2	30	40-140	
4-Chloro-3-methylphenol	333	291	87	2	30	30-130	
4-Chloroaniline	333	208	62	1	30	40-140	
4-Chlorophenyl phenyl ether	333	326	98	3	30	40-140	
4-Nitroaniline	333	321	96	3	30	40-140	
4-Nitrophenol	333	354	106	5	30	30-130	
Acenaphthene	333	360	108	3	30	40-140	
Acenaphthylene	333	310	93	2	30	40-140	
Acetophenone	333	251	75	8	30	40-140	
Aniline	333	103	31	8	30	40-140	*
Anthracene	333	400	120	3	30	40-140	
Atrazine	333	406	122	1	30	40-140	
Azobenzene	333	338	101	2	30	40-140	
Benzaldehyde	333	259	78	1	30	40-140	
Benzo[a]anthracene	333	419	126	6	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.: 360-24499-2

SDG No.: OCRI-13A

Matrix: Solid Level: Low Lab File ID: B10488.D

Lab ID: LCSD 360-49016/3-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	437	131	6	30	40-140	
Benzo[b]fluoranthene	333	380	114	8	30	40-140	
Benzo[g,h,i]perylene	333	402	121	5	30	40-140	
Benzo[k]fluoranthene	333	407	122	5	30	40-140	
Benzoic acid	333	174	52	2	30	30-130	
Benzophenone	333	347	104	0	30	40-140	
Benzyl alcohol	333	279	84	4	30	30-130	
Bis(2-chloroethoxy)methane	333	237	71	2	30	40-140	
Bis(2-chloroethyl)ether	333	223	67	6	30	40-140	
Bis(2-ethylhexyl) phthalate	333	470	141	0	30	40-140	*
Butyl benzyl phthalate	333	337	101	6	30	40-140	
Caprolactam	333	357	107	2	30	40-140	
Carbazole	333	374	112	4	30	40-140	
Chrysene	333	398	120	5	30	40-140	
Dibenz(a,h)anthracene	333	455	136	7	30	40-140	
Dibenzofuran	333	310	93	2	30	40-140	
Diethyl phthalate	333	337	101	3	30	40-140	
Dimethyl phthalate	333	330	99	3	30	40-140	
Di-n-butyl phthalate	333	410	123	4	30	40-140	
Di-n-octyl phthalate	333	335	101	5	30	40-140	
Diphenyl oxide	333	251	75	3	30	40-140	
Fluoranthene	333	375	113	5	30	40-140	
Fluorene	333	383	115	2	30	40-140	
Hexachlorobenzene	333	336	101	4	30	40-140	
Hexachlorobutadiene	333	264	79	0	30	40-140	
Hexachlorocyclopentadiene	333	245	74	6	30	40-140	
Hexachloroethane	333	220	66	7	30	40-140	
Indeno[1,2,3-cd]pyrene	333	447	134	6	30	40-140	
Isophorone	333	220	66	4	30	40-140	
Naphthalene	333	282	85	3	30	40-140	
Nitrobenzene	333	236	71	1	30	40-140	
N-Nitrosodimethylamine	333	263	79	6	30	40-140	
N-Nitrosodi-n-propylamine	333	269	81	5	30	40-140	
N-Nitrosodiphenylamine	333	245	73	5	30	40-140	
Pentachlorophenol	333	328	98	5	30	30-130	
Phenanthrene	333	360	108	5	30	40-140	
Phenol	333	257	77	7	30	30-130	
Pyrene	333	368	110	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.: 360-24499-2

SDG No.: OCRI-13A

Matrix: Solid Level: Low Lab File ID: B10566.D

Lab ID: LCSD 360-49041/3-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	297	89	4	30	40-140	
1,2,4,5-Tetrachlorobenzene	333	239	72	8	30	40-140	
1,2,4-Trichlorobenzene	333	249	75	9	30	40-140	
1,2-Dichlorobenzene	333	210	63	8	30	40-140	
1,3-Dichlorobenzene	333	208	62	7	30	40-140	
1,4-Dichlorobenzene	333	207	62	7	30	40-140	
1-Methylnaphthalene	333	228	68	2	30	40-140	
2,2'-oxybis[1-chloropropane]	333	229	69	8	30	40-140	
2,3,4,6-Tetrachlorophenol	333	255	77	5	30	40-140	
2,4,5-Trichlorophenol	333	301	90	14	30	30-130	
2,4,6-Trichlorophenol	333	331	99	10	30	30-130	
2,4-Dichlorophenol	333	294	88	11	30	30-130	
2,4-Dimethylphenol	333	272	82	9	30	30-130	
2,4-Dinitrophenol	333	197	59	17	30	30-130	
2,4-Dinitrotoluene	333	280	84	10	30	40-140	
2,6-Dinitrotoluene	333	305	91	12	30	40-140	
2-Chloronaphthalene	333	233	70	10	30	40-140	
2-Chlorophenol	333	239	72	9	30	30-130	
2-Methylnaphthalene	333	229	69	9	30	40-140	
2-Methylphenol	333	260	78	10	30	30-130	
2-Nitroaniline	333	360	108	16	30	40-140	
2-Nitrophenol	333	281	84	9	30	30-130	
3 & 4 Methylphenol	333	275	82	10	30	30-130	
3,3'-Dichlorobenzidine	333	323	97	12	30	40-140	
3-Nitroaniline	333	298	89	10	30	40-140	
4,6-Dinitro-2-methylphenol	333	264	79	12	30	30-130	
4-Bromophenyl phenyl ether	333	322	97	11	30	40-140	
4-Chloro-3-methylphenol	333	311	93	11	30	30-130	
4-Chloroaniline	333	205	62	17	30	40-140	
4-Chlorophenyl phenyl ether	333	304	91	13	30	40-140	
4-Nitroaniline	333	307	92	12	30	40-140	
4-Nitrophenol	333	340	102	15	30	30-130	
Acenaphthene	333	336	101	12	30	40-140	
Acenaphthylene	333	293	88	11	30	40-140	
Acetophenone	333	251	75	9	30	40-140	
Aniline	333	99.5	30	10	30	40-140	*
Anthracene	333	386	116	13	30	40-140	
Atrazine	333	392	118	3	30	40-140	
Azobenzene	333	327	98	10	30	40-140	
Benzaldehyde	333	257	77	0	30	40-140	
Benzo[a]anthracene	333	390	117	8	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.: 360-24499-2

SDG No.: OCRI-13A

Matrix: Solid Level: Low Lab File ID: B10566.D

Lab ID: LCSD 360-49041/3-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	357	107	9	30	40-140	
Benzo[b]fluoranthene	333	345	104	9	30	40-140	
Benzo[g,h,i]perylene	333	390	117	12	30	40-140	
Benzo[k]fluoranthene	333	382	115	11	30	40-140	
Benzoic acid	333	158 J	47	10	30	30-130	
Benzophenone	333	344	103	4	30	40-140	
Benzyl alcohol	333	264	79	8	30	30-130	
Bis(2-chloroethoxy)methane	333	234	70	10	30	40-140	
Bis(2-chloroethyl)ether	333	219	66	8	30	40-140	
Bis(2-ethylhexyl) phthalate	333	528	158	0	30	40-140	*
Butyl benzyl phthalate	333	344	103	7	30	40-140	
Caprolactam	333	314	94	5	30	40-140	
Carbazole	333	368	110	12	30	40-140	
Chrysene	333	368	110	8	30	40-140	
Dibenz(a,h)anthracene	333	390	117	12	30	40-140	
Dibenzofuran	333	294	88	11	30	40-140	
Diethyl phthalate	333	323	97	12	30	40-140	
Dimethyl phthalate	333	317	95	13	30	40-140	
Di-n-butyl phthalate	333	390	117	9	30	40-140	
Di-n-octyl phthalate	333	285	85	5	30	40-140	
Diphenyl oxide	333	244	73	2	30	40-140	
Fluoranthene	333	361	108	12	30	40-140	
Fluorene	333	367	110	12	30	40-140	
Hexachlorobenzene	333	324	97	11	30	40-140	
Hexachlorobutadiene	333	219	66	8	30	40-140	
Hexachlorocyclopentadiene	333	225	67	11	30	40-140	
Hexachloroethane	333	219	66	7	30	40-140	
Indeno[1,2,3-cd]pyrene	333	390	117	11	30	40-140	
Isophorone	333	219	66	10	30	40-140	
Naphthalene	333	222	67	9	30	40-140	
Nitrobenzene	333	229	69	8	30	40-140	
N-Nitrosodimethylamine	333	249	75	7	30	40-140	
N-Nitrosodi-n-propylamine	333	256	77	9	30	40-140	
N-Nitrosodiphenylamine	333	238	71	12	30	40-140	
Pentachlorophenol	333	312	94	14	30	30-130	
Phenanthrene	333	353	106	11	30	40-140	
Phenol	333	251	75	8	30	30-130	
Pyrene	333	326	98	6	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.: 360-24499-2

SDG No.: OCRI-13A

Lab File ID: B10486.D Lab Sample ID: MB 360-49016/1-A

Matrix: Solid Date Extracted: 09/16/2009 11:53

Instrument ID: Inst. B Date Analyzed: 09/22/2009 20:43

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-49016/2-A	B10487.D	09/22/2009 21:14
	LCSD 360-49016/3-A	B10488.D	09/22/2009 21:45
OC-SB-469-28/30-XXX	360-24499-3	B10535.D	09/24/2009 06:28

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Lab File ID: B10564.D Lab Sample ID: MB 360-49041/1-A

Matrix: Solid Date Extracted: 09/16/2009 15:13

Instrument ID: Inst. B Date Analyzed: 09/26/2009 01:41

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-49041/2-A	B10565.D	09/26/2009 02:09
	LCSD 360-49041/3-A	B10566.D	09/26/2009 02:37
OC-SB-417-20/22-XXX	360-24499-15	B10571.D	09/26/2009 04:54
OC-SB-434-15/16-XXX	360-24499-18	B10574.D	09/26/2009 06:17
OC-SB-450-33/35-XXX	360-24499-21	B10577.D	09/26/2009 07:39

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

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Lab File ID: B10475.D DFTPP Injection Date: 09/22/2009

Instrument ID: Inst. B DFTPP Injection Time: 15:01

Analysis Batch No.: 49400

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	43.9	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	41.6	
70	Less than 2.0 % of mass 69	0.3	(0.6)1
127	40.0 - 60.0 % of mass 198	52.9	
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	7.3	
275	10.0 - 30.0 % of mass 198	27.1	
365	Greater than 1.0 % of mass 198	3.3	
441	Present but less than mass 443	12.7	
442	Greater than 40.0 % of mass 198	79.0	
443	17.0 - 23.0 % of mass 442	15.6	(19.8)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 360-49400/2	B10476.D	09/22/2009	15:32
	STD01 360-49400/3	B10477.D	09/22/2009	16:03
	STD025 360-49400/4	B10478.D	09/22/2009	16:34
	STD05 360-49400/5	B10479.D	09/22/2009	17:05
	STD1 360-49400/6	B10480.D	09/22/2009	17:36
	STD25 360-49400/7	B10481.D	09/22/2009	18:07
	STD8 360-49400/8	B10482.D	09/22/2009	18:38
	STD10 360-49400/9	B10483.D	09/22/2009	19:10
	STD20 360-49400/10	B10484.D	09/22/2009	19:41
	MB 360-49016/1-A	B10486.D	09/22/2009	20:43
	LCS 360-49016/2-A	B10487.D	09/22/2009	21:14
	LCSD 360-49016/3-A	B10488.D	09/22/2009	21:45

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

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Lab File ID: B10511.D DFTPP Injection Date: 09/23/2009

Instrument ID: Inst. B DFTPP Injection Time: 17:49

Analysis Batch No.: 49442

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	42.7	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	41.1	
70	Less than 2.0 % of mass 69	0.1	(0.3)1
127	40.0 - 60.0 % of mass 198	52.4	
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	26.8	
365	Greater than 1.0 % of mass 198	3.3	
441	Present but less than mass 443	12.8	
442	Greater than 40.0 % of mass 198	78.3	
443	17.0 - 23.0 % of mass 442	15.8	(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 360-49442/2	B10512.D	09/23/2009	18:20
	STD01 360-49442/3	B10513.D	09/23/2009	18:51
	STD025 360-49442/4	B10514.D	09/23/2009	19:22
	STD05 360-49442/5	B10515.D	09/23/2009	19:54
	STD1 360-49442/6	B10516.D	09/23/2009	20:25
	STD25 360-49442/7	B10517.D	09/23/2009	20:57
	STD8 360-49442/8	B10518.D	09/23/2009	21:29
	STD10 360-49442/9	B10519.D	09/23/2009	22:01
	STD20 360-49442/10	B10520.D	09/23/2009	22:32

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

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Lab File ID: B10522.D DFTPP Injection Date: 09/23/2009

Instrument ID: Inst. B DFTPP Injection Time: 23:36

Analysis Batch No.: 49444

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	40.8	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	38.6	
70	Less than 2.0 % of mass 69	0.2	(0.6)1
127	40.0 - 60.0 % of mass 198	50.3	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.3	
275	10.0 - 30.0 % of mass 198	28.4	
365	Greater than 1.0 % of mass 198	3.6	
441	Present but less than mass 443	14.8	
442	Greater than 40.0 % of mass 198	87.4	
443	17.0 - 23.0 % of mass 442	17.7	(20.3)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 360-49444/16	B10523.D	09/24/2009	00:08
OC-SB-469-28/30-XXX	360-24499-3	B10535.D	09/24/2009	06:28

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

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Lab File ID: B10545.D DFTPP Injection Date: 09/25/2009

Instrument ID: Inst. B DFTPP Injection Time: 16:56

Analysis Batch No.: 49509

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	38.6	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	37.5	
70	Less than 2.0 % of mass 69	0.1	(0.3)1
127	40.0 - 60.0 % of mass 198	50.6	
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	7.0	
275	10.0 - 30.0 % of mass 198	27.8	
365	Greater than 1.0 % of mass 198	3.8	
441	Present but less than mass 443	15.3	
442	Greater than 40.0 % of mass 198	93.0	
443	17.0 - 23.0 % of mass 442	18.7	(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 360-49509/2	B10546.D	09/25/2009	17:23
	STD01 360-49509/3	B10547.D	09/25/2009	17:51
	STD025 360-49509/4	B10548.D	09/25/2009	18:18
	STD05 360-49509/5	B10549.D	09/25/2009	18:46
	STD1 360-49509/6	B10550.D	09/25/2009	19:14
	STD25 360-49509/7	B10551.D	09/25/2009	19:41
	STD8 360-49509/8	B10552.D	09/25/2009	20:09
	STD10 360-49509/9	B10553.D	09/25/2009	20:37
	STD20 360-49509/10	B10554.D	09/25/2009	21:05

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

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Lab File ID: B10556.D DFTPP Injection Date: 09/25/2009

Instrument ID: Inst. B DFTPP Injection Time: 22:00

Analysis Batch No.: 49511

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	39.6	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	37.1	
70	Less than 2.0 % of mass 69	0.2	(0.5)1
127	40.0 - 60.0 % of mass 198	48.0	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.0	
275	10.0 - 30.0 % of mass 198	29.0	
365	Greater than 1.0 % of mass 198	3.9	
441	Present but less than mass 443	15.0	
442	Greater than 40.0 % of mass 198	95.7	
443	17.0 - 23.0 % of mass 442	18.6	(19.4)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 360-49511/13	B10557.D	09/25/2009	22:28
	MB 360-49041/1-A	B10564.D	09/26/2009	01:41
	LCS 360-49041/2-A	B10565.D	09/26/2009	02:09
	LCSD 360-49041/3-A	B10566.D	09/26/2009	02:37

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

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Lab File ID: B10567.D DFTPP Injection Date: 09/26/2009

Instrument ID: Inst. B DFTPP Injection Time: 03:04

Analysis Batch No.: 49517

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	41.7	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	39.5	
70	Less than 2.0 % of mass 69	0.2	(0.6)1
127	40.0 - 60.0 % of mass 198	49.8	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.2	
275	10.0 - 30.0 % of mass 198	28.0	
365	Greater than 1.0 % of mass 198	3.7	
441	Present but less than mass 443	14.3	
442	Greater than 40.0 % of mass 198	86.0	
443	17.0 - 23.0 % of mass 442	17.4	(20.3)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 360-49517/25	B10568.D	09/26/2009	03:32
OC-SB-417-20/22-XXX	360-24499-15	B10571.D	09/26/2009	04:54
OC-SB-434-15/16-XXX	360-24499-18	B10574.D	09/26/2009	06:17
OC-SB-450-33/35-XXX	360-24499-21	B10577.D	09/26/2009	07:39

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

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Sample No.: CCV 360-49444/16 Date Analyzed: 09/24/2009 00:08

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

Lab File ID (Standard): B10523.D Heated Purge: (Y/N) N

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		436165	7.47	1093530	8.60	411129	10.09
UPPER LIMIT		872330	7.97	2187060	9.10	822258	10.59
LOWER LIMIT		218083	6.97	546765	8.10	205565	9.59
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24499-3	OC-SB-469-28/30-XXX	444982	7.46	1080622	8.59	542475	10.09

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.: 360-24499-2

SDG No.: OCRI-13A

Sample No.: CCV 360-49444/16 Date Analyzed: 09/24/2009 00:08

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

Lab File ID (Standard): B10523.D Heated Purge: (Y/N) N

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		669397	11.35	461348	14.48	338613	16.92
UPPER LIMIT		1338794	11.85	922696	14.98	677226	17.42
LOWER LIMIT		334699	10.85	230674	13.98	169307	16.42
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24499-3	OC-SB-469-28/30-XXX	877820	11.35	573725	14.49	364922	16.93

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.: 360-24499-2

SDG No.: OCRI-13A

Sample No.: CCV 360-49511/13 Date Analyzed: 09/25/2009 22:28

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

Lab File ID (Standard): B10557.D Heated Purge: (Y/N) N

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		417506	7.25	1006123	8.39	366361	9.88
UPPER LIMIT		835012	7.75	2012246	8.89	732722	10.38
LOWER LIMIT		208753	6.75	503062	7.89	183181	9.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 360-49041/1-A		345402	7.25	820268	8.38	391924	9.88
LCS 360-49041/2-A		498405	7.26	1238298	8.39	422471	9.88
LCSD 360-49041/3-A		452459	7.26	1118614	8.39	373914	9.88

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.: 360-24499-2

SDG No.: OCRI-13A

Sample No.: CCV 360-49511/13 Date Analyzed: 09/25/2009 22:28

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

Lab File ID (Standard): B10557.D Heated Purge: (Y/N) N

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		599081	11.13	445700	14.04	321419	16.53
UPPER LIMIT		1198162	11.63	891400	14.54	642838	17.03
LOWER LIMIT		299541	10.63	222850	13.54	160710	16.03
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 360-49041/1-A		630407	11.13	460107	14.04	329206	16.53
LCS 360-49041/2-A		671081	11.14	553097	14.05	390231	16.53
LCSD 360-49041/3-A		596947	11.13	519809	14.05	371838	16.53

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.: 360-24499-2

SDG No.: OCRI-13A

Sample No.: CCV 360-49517/25 Date Analyzed: 09/26/2009 03:32

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

Lab File ID (Standard): B10568.D Heated Purge: (Y/N) N

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		475063	7.26	1134007	8.39	412434	9.88
UPPER LIMIT		950126	7.76	2268014	8.89	824868	10.38
LOWER LIMIT		237532	6.76	567004	7.89	206217	9.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24499-15	OC-SB-417-20/22-XXX	388273	7.26	901110	8.39	427489	9.88
360-24499-18	OC-SB-434-15/16-XXX	392426	7.25	937122	8.39	453056	9.88
360-24499-21	OC-SB-450-33/35-XXX	366877	7.26	861915	8.39	412818	9.88

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.: 360-24499-2

SDG No.: OCRI-13A

Sample No.: CCV 360-49517/25 Date Analyzed: 09/26/2009 03:32

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

Lab File ID (Standard): B10568.D Heated Purge: (Y/N) N

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		650326	11.13	495148	14.04	343438	16.53
UPPER LIMIT		1300652	11.63	990296	14.54	686876	17.03
LOWER LIMIT		325163	10.63	247574	13.54	171719	16.03
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24499-15	OC-SB-417-20/22-XXX	677659	11.13	465322	14.04	311490	16.53
360-24499-18	OC-SB-434-15/16-XXX	724493	11.13	484926	14.04	330343	16.53
360-24499-21	OC-SB-450-33/35-XXX	663057	11.14	414050	14.05	258701	16.54

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.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: OC-SB-469-28/30-XXX | Lab Sample ID: 360-24499-3

Matrix: Solid | Lab File ID: B10535.D

Analysis Method: 8270C LL | Date Collected: 09/09/2009 10:40

Extract. Method: 3546 | Date Extracted: 09/16/2009 11:53

Sample wt/vol: 30.59(g) | Date Analyzed: 09/24/2009 06:28

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.: 49444 | 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.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: OC-SB-469-28/30-XXX | Lab Sample ID: 360-24499-3

Matrix: Solid | Lab File ID: B10535.D

Analysis Method: 8270C LL | Date Collected: 09/09/2009 10:40

Extract. Method: 3546 | Date Extracted: 09/16/2009 11:53

Sample wt/vol: 30.59(g) | Date Analyzed: 09/24/2009 06:28

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.: 49444 | 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	230	B *	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.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: OC-SB-469-28/30-XXX | Lab Sample ID: 360-24499-3

Matrix: Solid | Lab File ID: B10535.D

Analysis Method: 8270C LL | Date Collected: 09/09/2009 10:40

Extract. Method: 3546 | Date Extracted: 09/16/2009 11:53

Sample wt/vol: 30.59(g) | Date Analyzed: 09/24/2009 06:28

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.: 49444 | 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	66	30-130	
321-60-8	2-Fluorobiphenyl	68	30-130	
367-12-4	2-Fluorophenol	88	30-130	
4165-60-0	Nitrobenzene-d5	74	30-130	
4165-62-2	Phenol-d5	75	30-130	
1718-51-0	Terphenyl-d14	76	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: OC-SB-469-28/30-XXX | Lab Sample ID: 360-24499-3

Matrix: Solid | Lab File ID: B10535.D

Analysis Method: 8270C LL | Date Collected: 09/09/2009 10:40

Extract. Method: 3546 | Date Extracted: 09/16/2009 11:53

Sample wt/vol: 30.59(g) | Date Analyzed: 09/24/2009 06:28

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.: 49444 | Units: ug/Kg

Number TICs Found: 8 | TIC Result Total: 158.9

CAS NO.	COMPOUND NAME	RT	RESULT	Q
104-76-7	1-Hexanol, 2-ethyl-	7.51	15	T J N
541-2-6	Cyclopentasiloxane, decamethyl-	8.08	8.5	T J N
128-37-0	Butylated Hydroxytoluene	10.05	10	T J N
140-66-9	Phenol, 4-(1,1,3,3-tetramethylbutyl)-	10.50	8.8	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	10.99	12	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	11.41	7.7	T J N
112-61-8	Octadecanoic acid, methyl ester	12.30	8.9	T J N
7683-64-9	Squalene	16.10	88	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10535.D		
Lims ID:	360-24499-A-3-A	Client ID:	OC-SB-469-28/30-XXX
Inject. Date:	24-Sep-2009 06:28:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	24499A3A		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	25
Lims Batch ID:	49444	Lims Sample ID:	47
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	25-Sep-2009 15:15:06	Calib Date:	23-Sep-2009 22:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	25-Sep-2009 15:15:06

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
* 1 1,4-Dichlorobenzene-d4	150	7.462	7.466	-0.004	444982	2.00	
* 2 Naphthalene-d8	136	8.592	8.592	0.000	1080622	2.00	
* 3 Acenaphthene-d10	164	10.088	10.092	-0.004	542475	2.00	
* 4 Phenanthrene-d10	188	11.348	11.347	0.001	877820	2.00	
* 5 Chrysene-d12	240	14.488	14.482	0.006	573725	2.00	
* 6 Perylene-d12	264	16.931	16.920	0.011	364922	2.00	
$ 7 2-Fluorophenol	112	6.212	6.168	0.044	993778	8.79	
$ 8 Phenol-d5	99	7.116	7.101	0.015	1139777	7.51	
$ 9 Nitrobenzene-d5	82	7.957	7.962	-0.005	512445	3.71	
$ 10 2-Fluorobiphenyl	172	9.491	9.496	-0.005	1181273	3.38	
$ 11 2,4,6-Tribromophenol	330	10.756	10.756	0.000	221995	6.62	
$ 12 Terphenyl-d14	244	12.790	12.790	0.000	917211	3.81	
66 Diethyl phthalate	149	10.396	10.400	-0.004	4243	0.0123	
80 Phenanthrene	178	11.372	11.366	0.006	12279	0.0275	
84 Di-n-butyl phthalate	149	11.761	11.761	0.000	70907	0.1300	
87 Fluoranthene	202	12.425	12.419	0.006	18002	0.0465	
85 Pyrene	202	12.675	12.669	0.006	14604	0.0362	
92 Bis(2-ethylhexyl) phthalate	149	14.396	14.391	0.005	1617986	6.30	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10535.D		
Lims ID:	360-24499-A-3-A	Client ID:	OC-SB-469-28/30-XXX
Inject. Date:	24-Sep-2009 06:28:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	24499A3A		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	25
Lims Batch ID:	49444	Lims Sample ID:	47
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	25-Sep-2009 15:15:06	Calib Date:	23-Sep-2009 22:32:30
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:	25-Sep-2009 15:15:06

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

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Diphenylamine	10.622	5251	0.0186	
1,4-Dioxane	4.221	276		
Pentachloronitrobenzene	11.227	66	0.0741	
Benzidine	12.531	353	0.4912	
Alpha-Terpineol	8.520	59480	0.4560	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
104-76-7	1-Hexanol, 2-ethyl-					
7.510	420730	0.4250	1	90	112165	
541-2-6	Cyclopentasiloxane, decamethyl-					
8.078	284830	0.2357	2	91	115273	
128-37-0	Butylated Hydroxytoluene					
10.054	331659	0.2827	3	93	126413	
140-66-9	Phenol, 4-(1,1,3,3-tetramethylbutyl)-					
10.497	285052	0.2430	3	90	61323	
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3					
10.992	389286	0.3284	4	91	126945	
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene					
11.405	252606	0.2131	4	91	64461	
112-61-8	Octadecanoic acid, methyl ester					
12.295	290330	0.2449	4	93	115469	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
7683-64-9 Squalene						
16.104	1309513	2.44	6	91	114263	

Quantitation Compounds

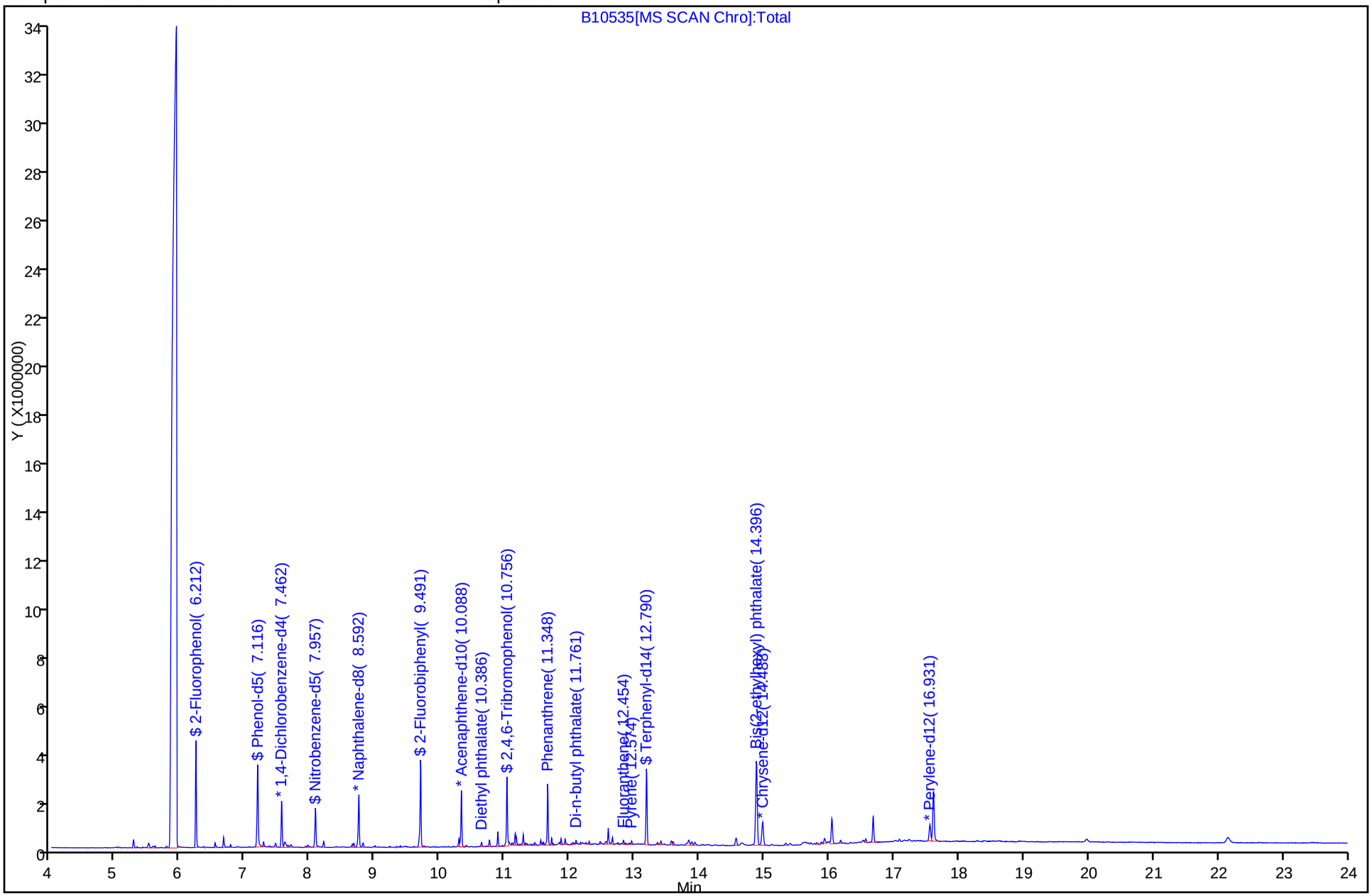
Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	7.462	1979933	2.00
* 2 Naphthalene-d8	8.592	2416441	2.00
* 3 Acenaphthene-d10	10.088	2346347	2.00
* 4 Phenanthrene-d10	11.348	2370952	2.00
* 6 Perylene-d12	16.931	1072210	2.00

QC Flag Legend

Processing Flags

Report Date: 25-Sep-2009 15:15:07 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10535.D		
Inj Date:	24-Sep-2009 06:28:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49444	Lims Sample ID:	47
Client ID:	OC-SB-469-28/30-XXX	Instrument:	Inst. B
Sample Info:	24499A3A		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 25-Sep-2009 15:15:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10535.D

Inj Date: 24-Sep-2009 06:28:30 Limit Group: SMS - 8270LL SVOA Calibration

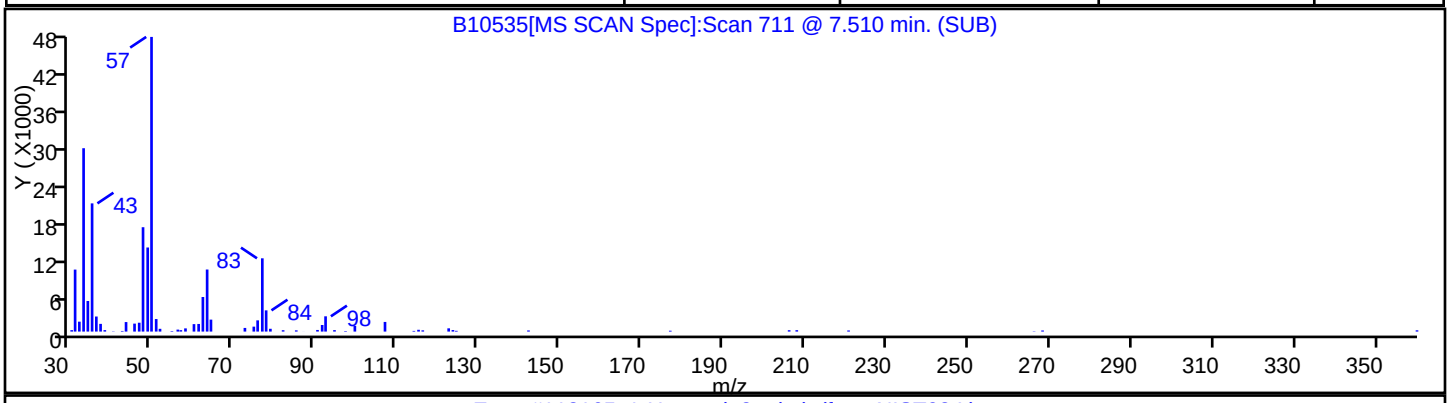
Lims Batch ID: 49444 Lims Sample ID: 47

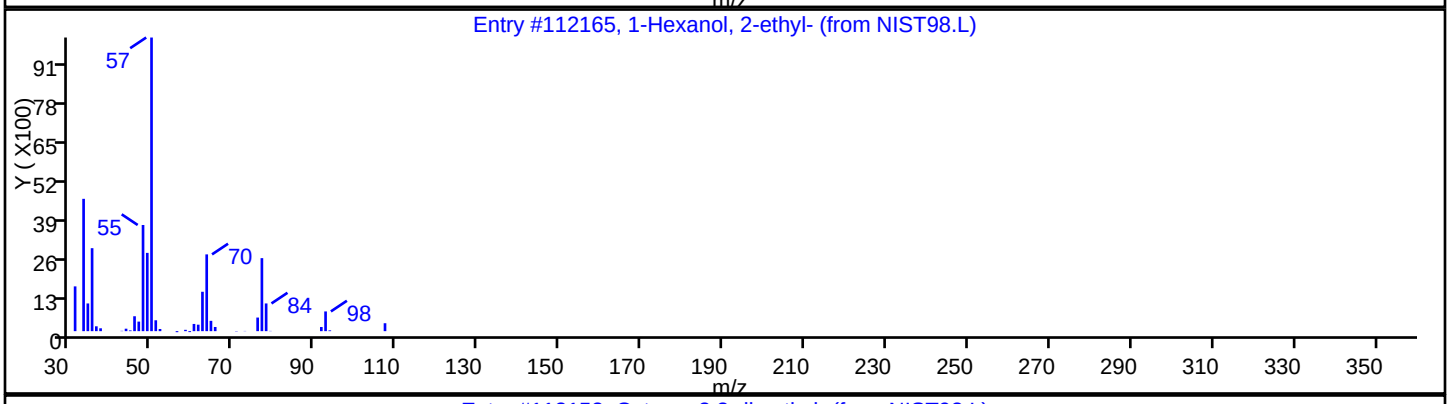
Client ID: OC-SB-469-28/30-XXX Instrument: Inst. B

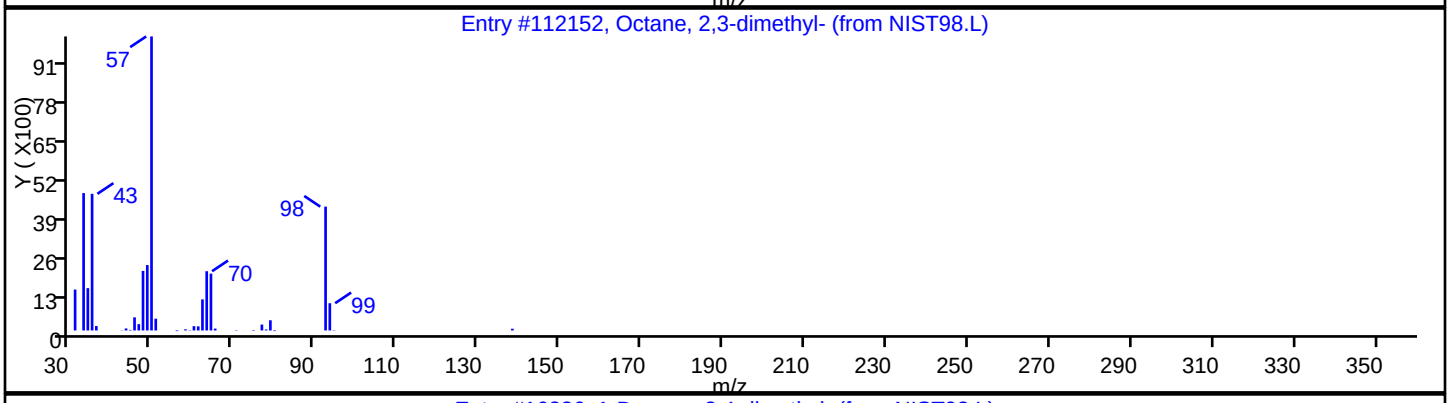
Sample Info: 24499A3A

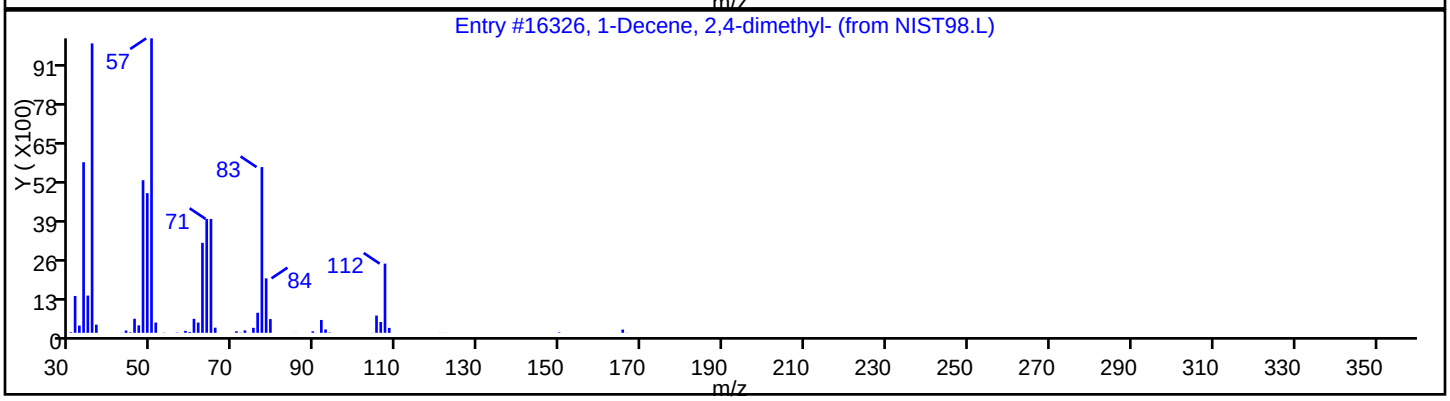
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Hexanol, 2-ethyl-	104-76-7	NIST98.L	112165	90
Octane, 2,3-dimethyl-	7146-60-3	NIST98.L	112152	53
1-Decene, 2,4-dimethyl-	55170-80-4	NIST98.L	16326	53





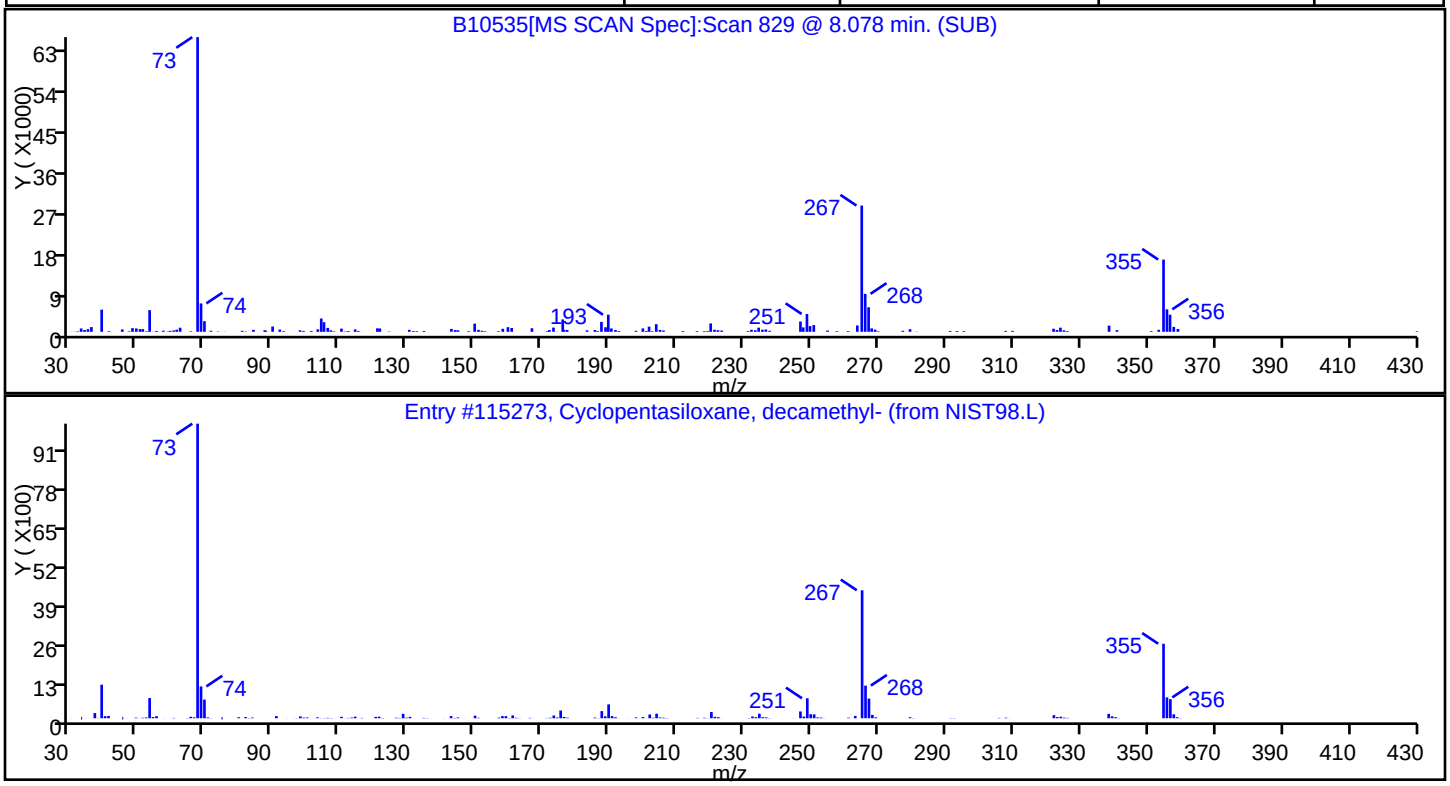




Report Date: 25-Sep-2009 15:15:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10535.D		
Inj Date:	24-Sep-2009 06:28:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49444	Lims Sample ID:	47
Client ID:	OC-SB-469-28/30-XXX	Instrument:	Inst. B
Sample Info:	24499A3A		
Sample Amount:	1.00 ul	Operator:	MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclopentasiloxane, decamethyl-	541-2-6	NIST98.L	115273	91



Report Date: 25-Sep-2009 15:15:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10535.D

Inj Date: 24-Sep-2009 06:28:30 Limit Group: SMS - 8270LL SVOA Calibration

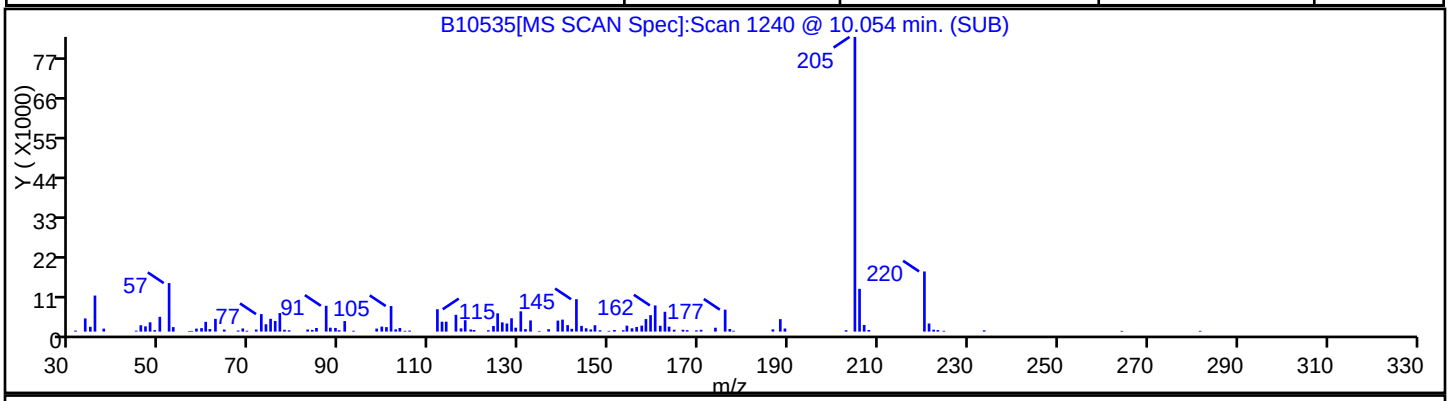
Lims Batch ID: 49444 Lims Sample ID: 47

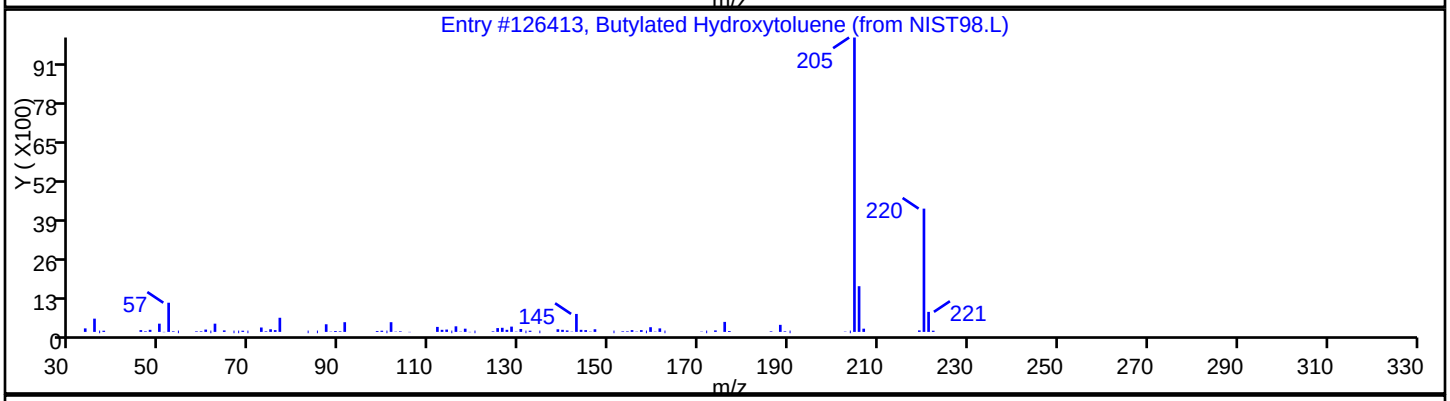
Client ID: OC-SB-469-28/30-XXX Instrument: Inst. B

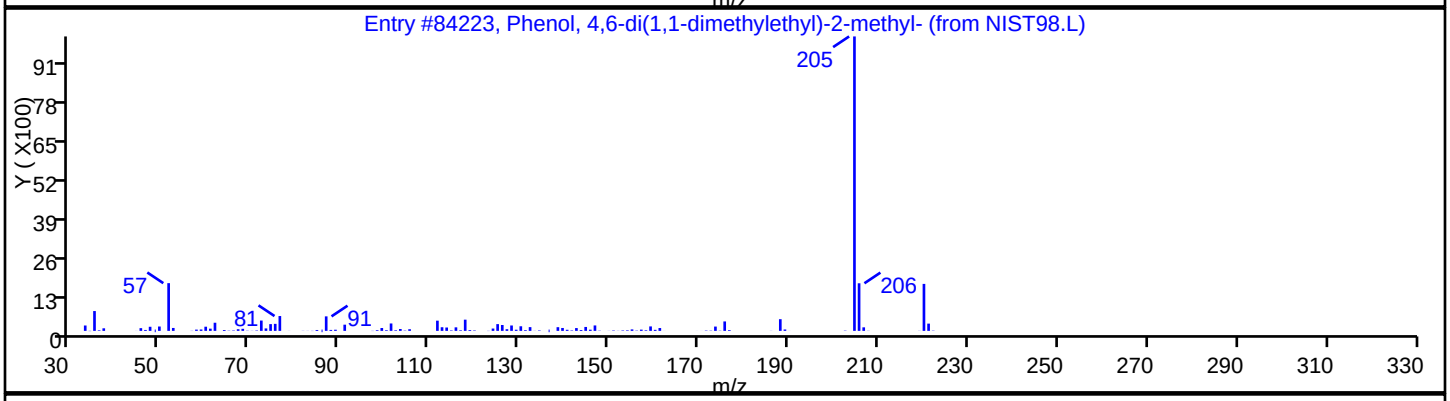
Sample Info: 24499A3A

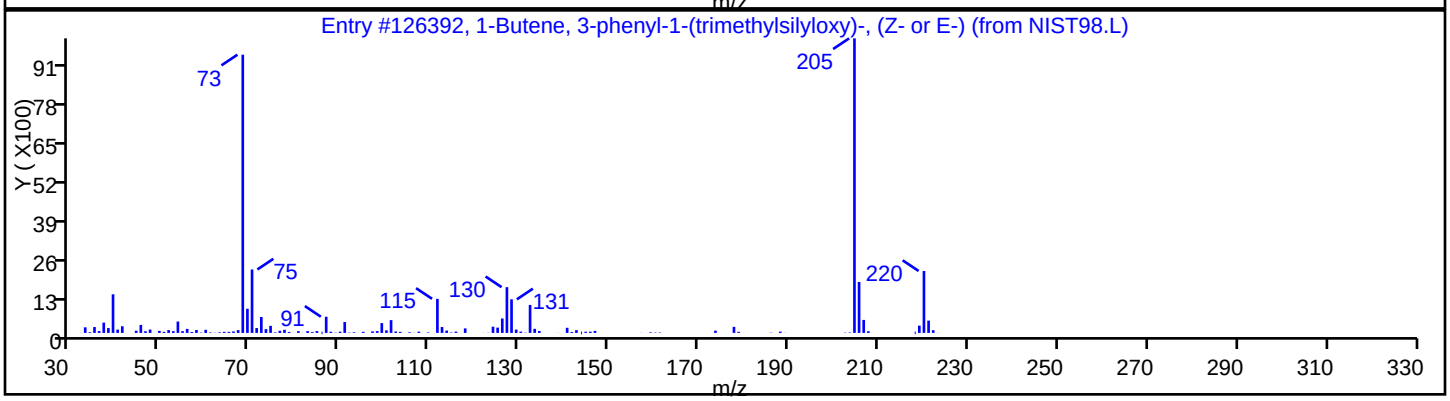
Sample Amount: 1.00 ul Operator: MZ

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	59
1-Butene, 3-phenyl-1-(trimethylsilyloxy)	55543-95-8	NIST98.L	126392	53









Report Date: 25-Sep-2009 15:15:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10535.D

Inj Date: 24-Sep-2009 06:28:30 Limit Group: SMS - 8270LL SVOA Calibration

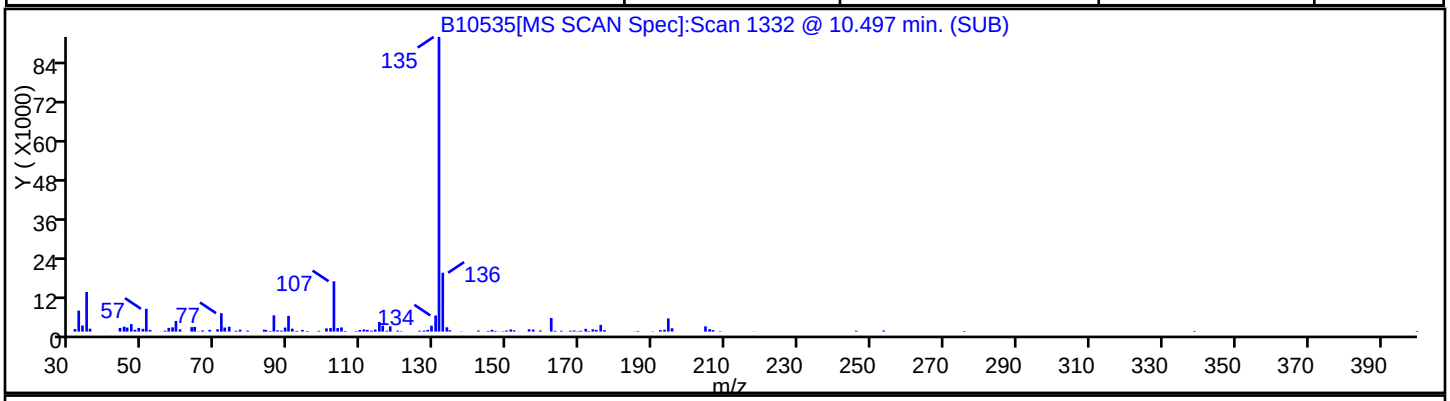
Lims Batch ID: 49444 Lims Sample ID: 47

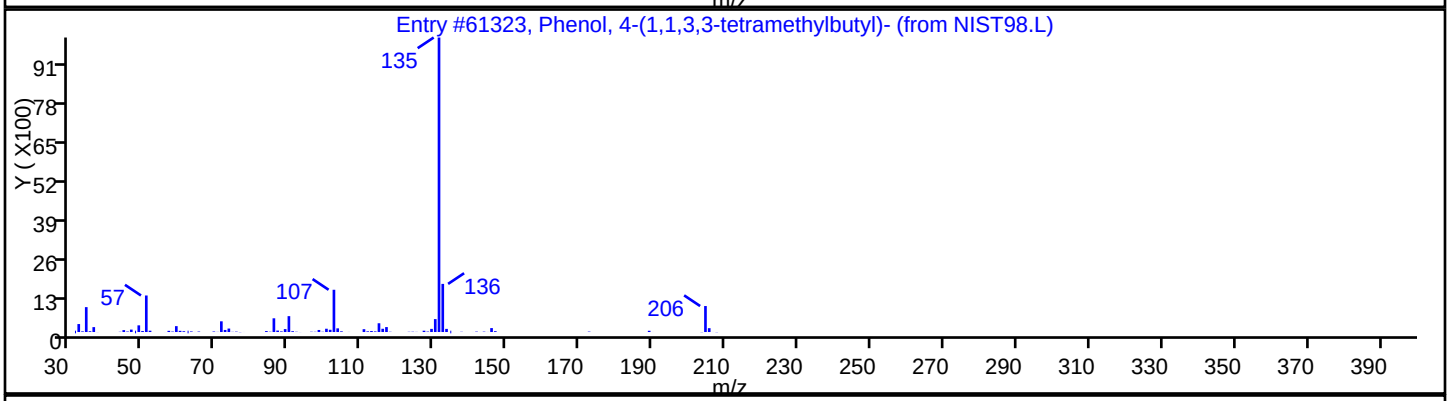
Client ID: OC-SB-469-28/30-XXX Instrument: Inst. B

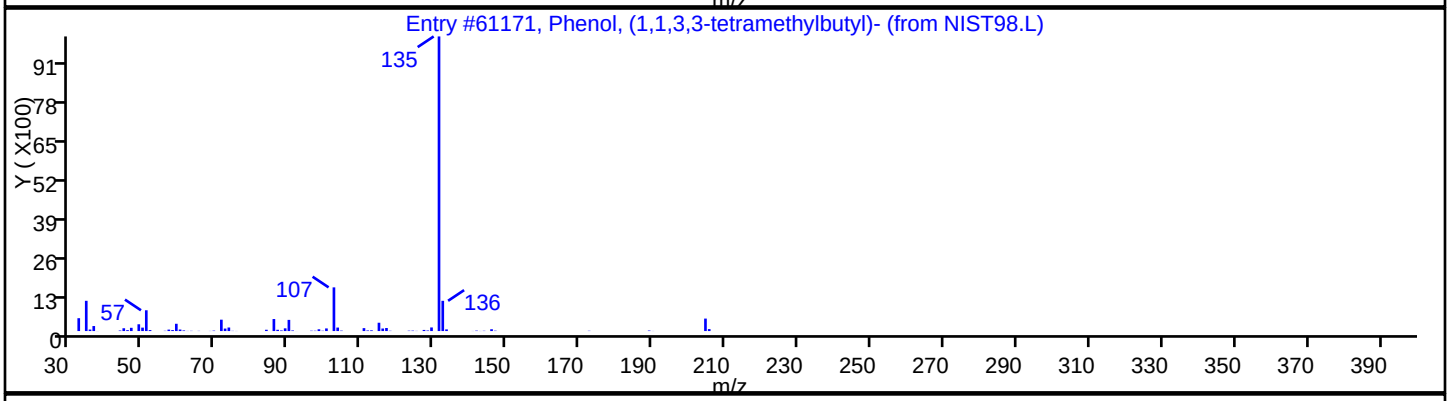
Sample Info: 24499A3A

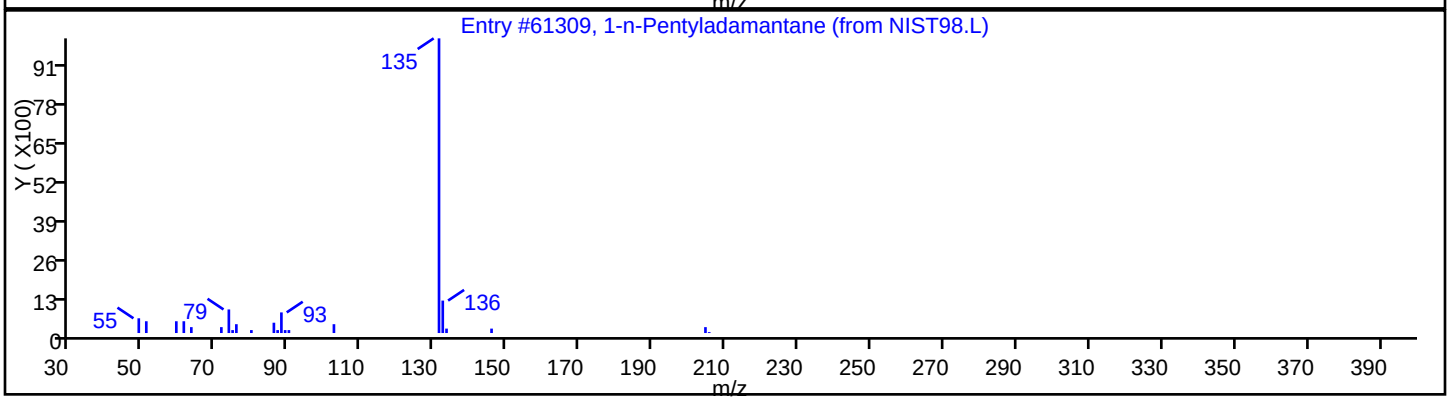
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Phenol, 4-(1,1,3,3-tetramethylbutyl)-	140-66-9	NIST98.L	61323	90
Phenol, (1,1,3,3-tetramethylbutyl)-	27193-28-8	NIST98.L	61171	68
1-n-Pentyladamantane	50782-11-1	NIST98.L	61309	50





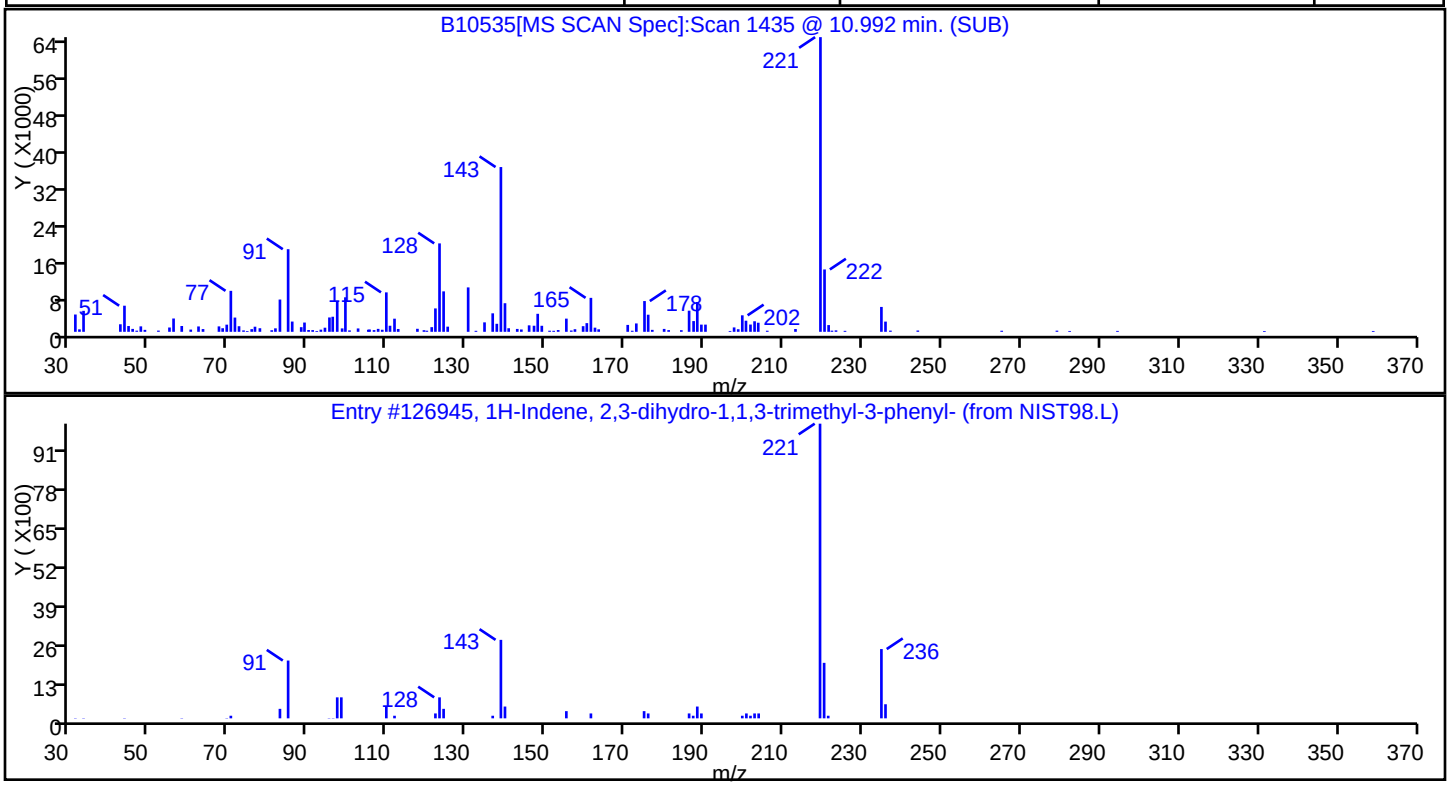




Report Date: 25-Sep-2009 15:15:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10535.D		
Inj Date:	24-Sep-2009 06:28:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49444	Lims Sample ID:	47
Client ID:	OC-SB-469-28/30-XXX	Instrument:	Inst. B
Sample Info:	24499A3A		
Sample Amount:	1.00 ul	Operator:	MZ

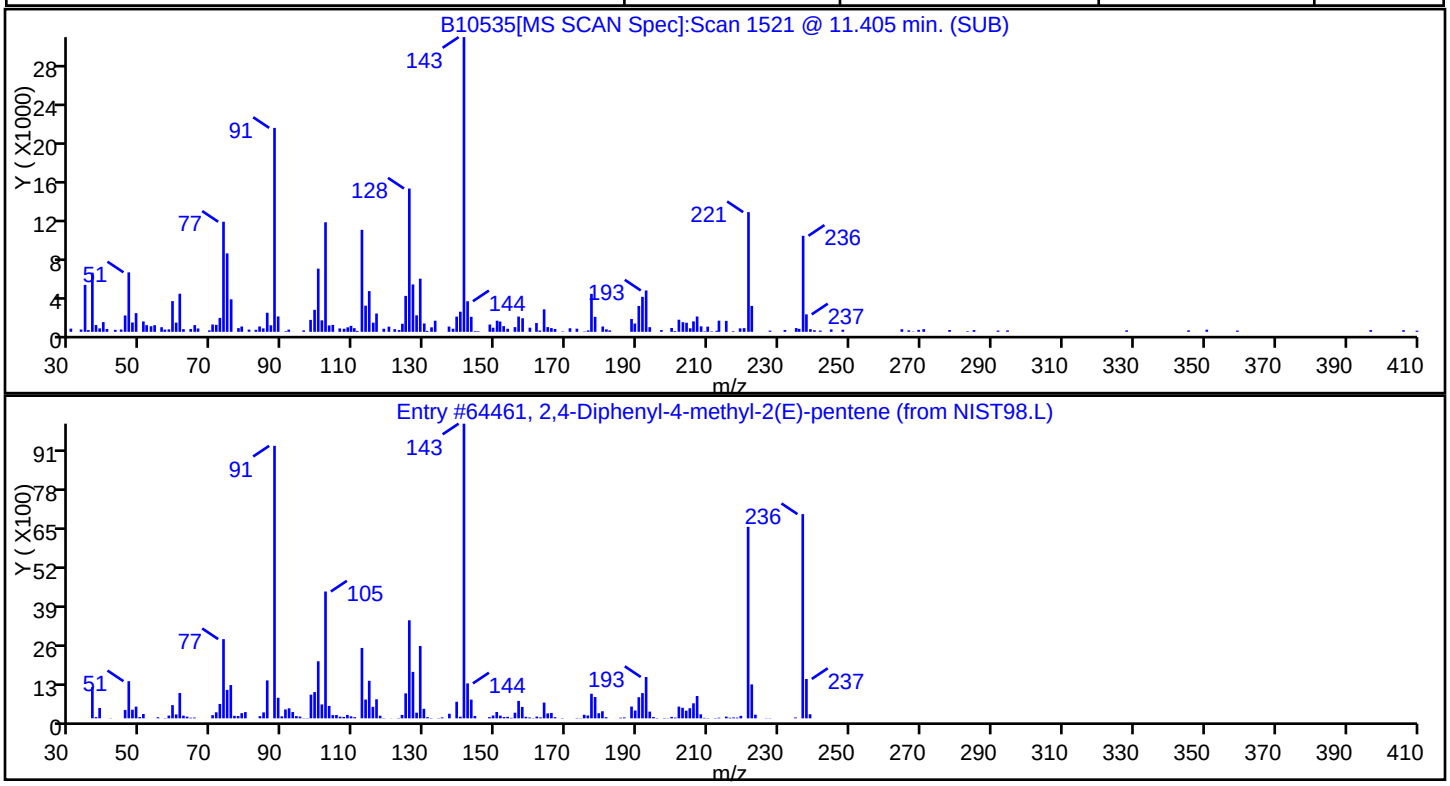
Library Search Compound Match	CAS Number	Library	Entry	Quality
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	3910-35-8	NIST98.L	126945	91



Report Date: 25-Sep-2009 15:15:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10535.D		
Inj Date:	24-Sep-2009 06:28:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49444	Lims Sample ID:	47
Client ID:	OC-SB-469-28/30-XXX	Instrument:	Inst. B
Sample Info:	24499A3A		
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: 25-Sep-2009 15:15:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10535.D

Inj Date: 24-Sep-2009 06:28:30 Limit Group: SMS - 8270LL SVOA Calibration

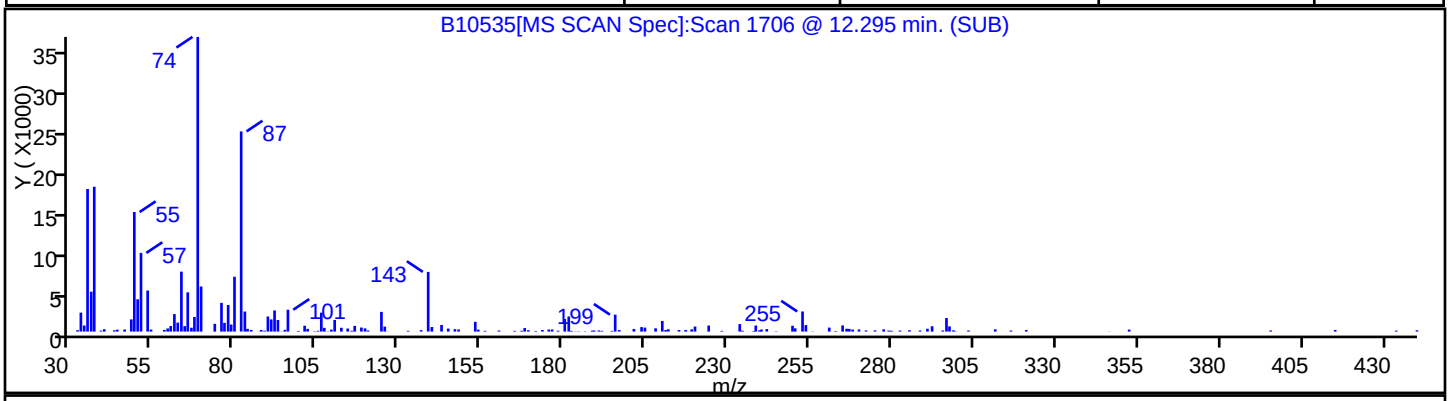
Lims Batch ID: 49444 Lims Sample ID: 47

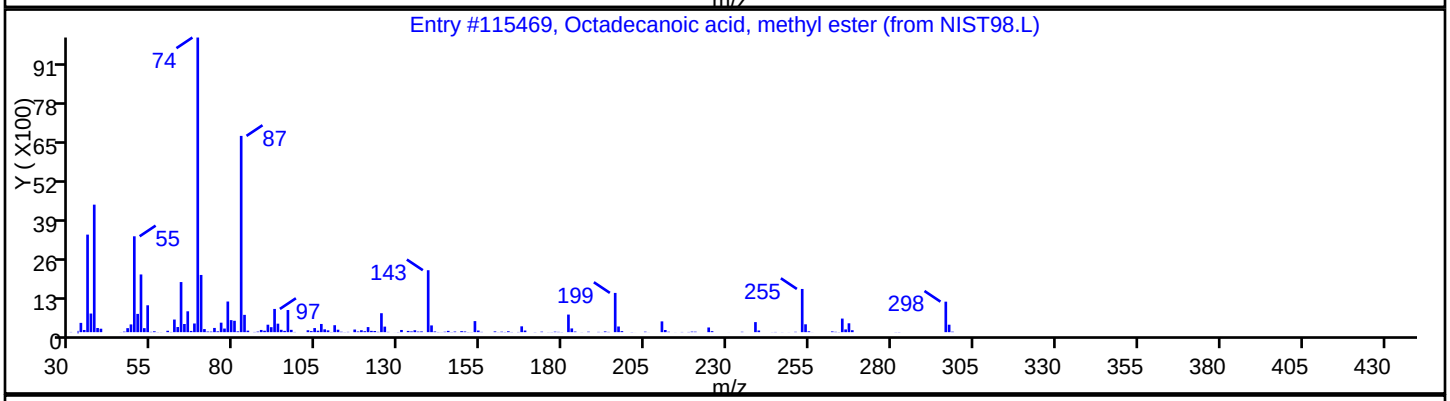
Client ID: OC-SB-469-28/30-XXX Instrument: Inst. B

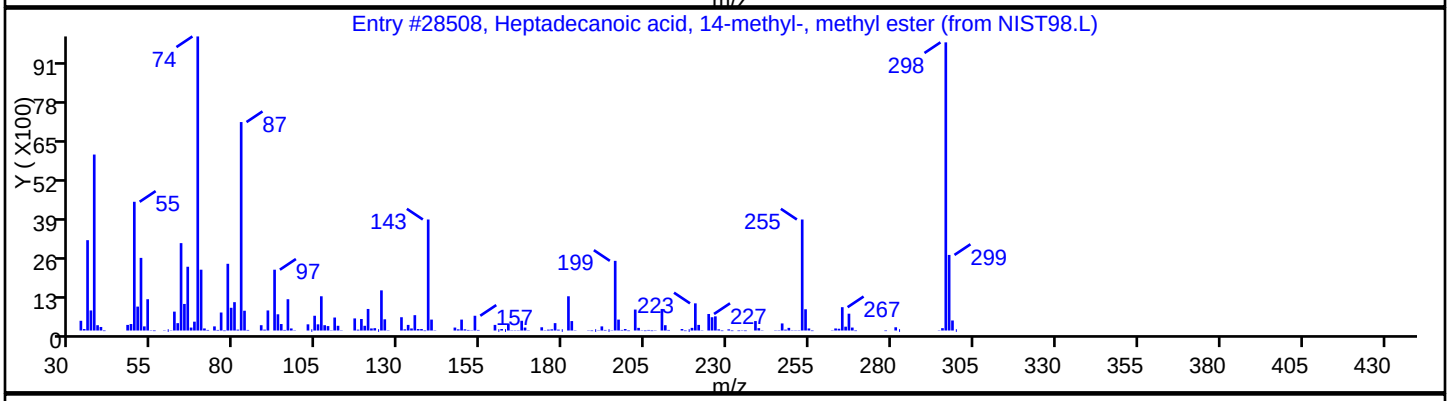
Sample Info: 24499A3A

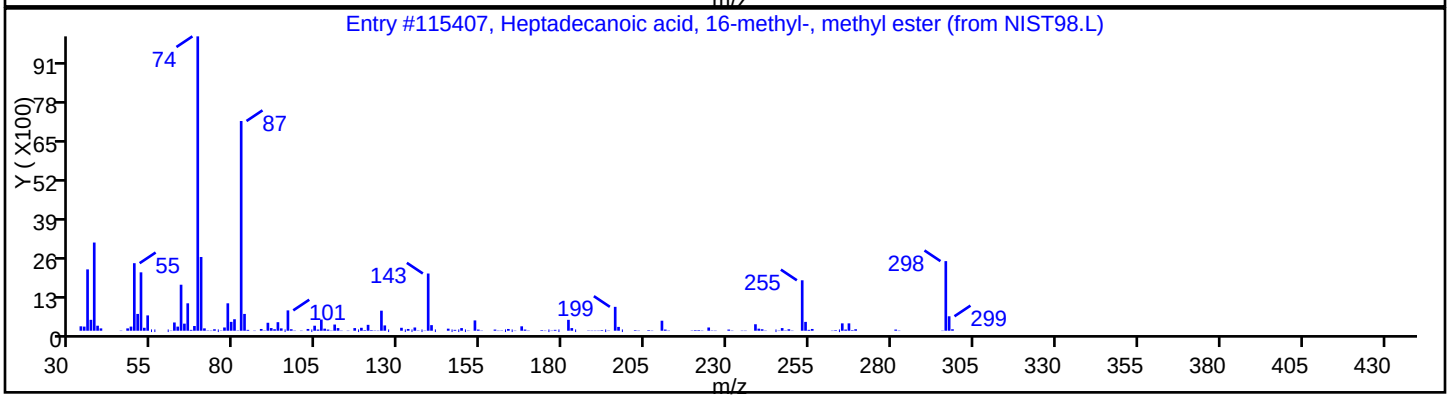
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecanoic acid, methyl ester	112-61-8	NIST98.L	115469	93
Heptadecanoic acid, 14-methyl-, methyl e	2490-23-5	NIST98.L	28508	90
Heptadecanoic acid, 16-methyl-, methyl e	5129-61-3	NIST98.L	115407	83









Report Date: 25-Sep-2009 15:15:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10535.D

Inj Date: 24-Sep-2009 06:28:30 Limit Group: SMS - 8270LL SVOA Calibration

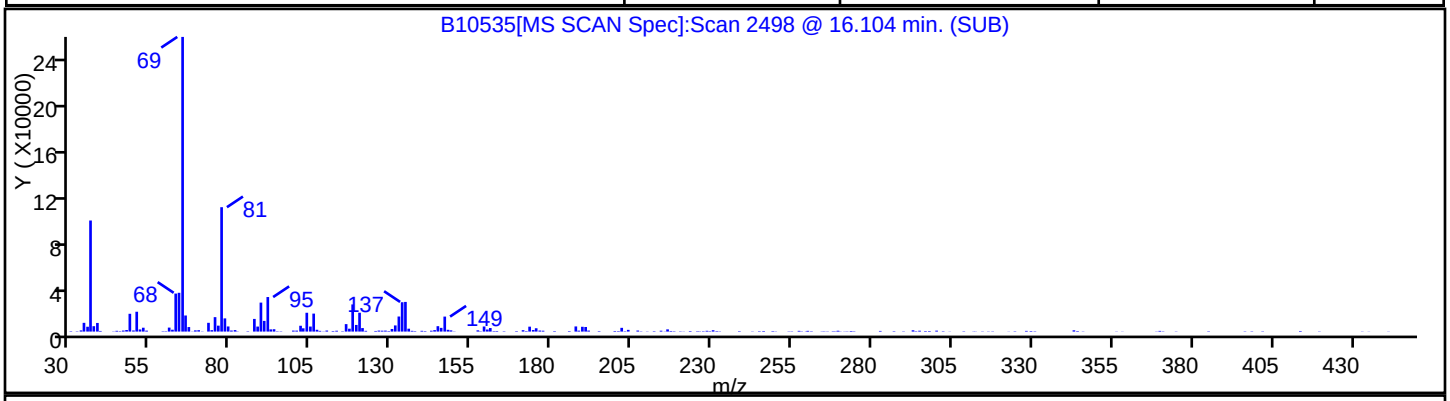
Lims Batch ID: 49444 Lims Sample ID: 47

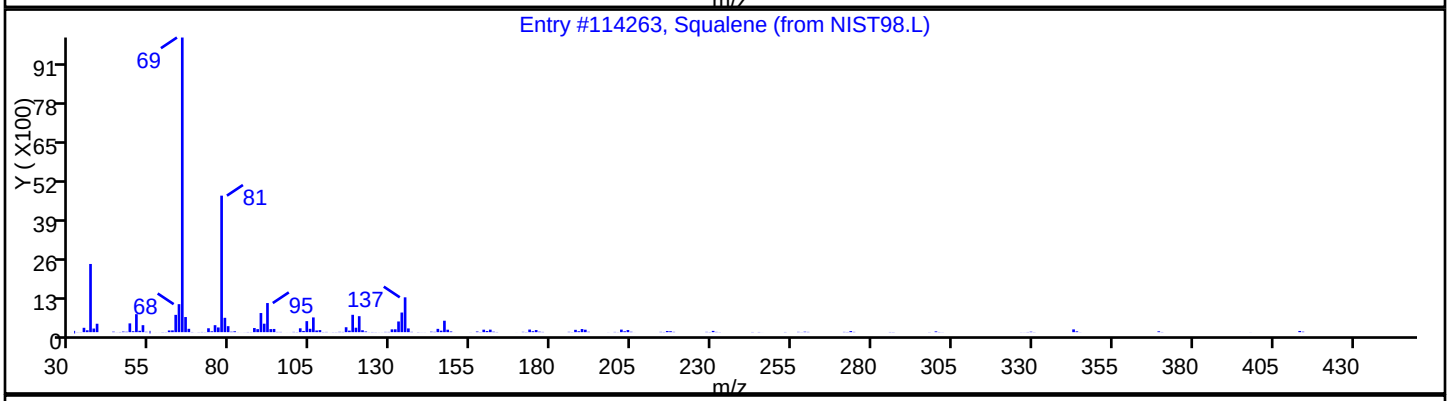
Client ID: OC-SB-469-28/30-XXX Instrument: Inst. B

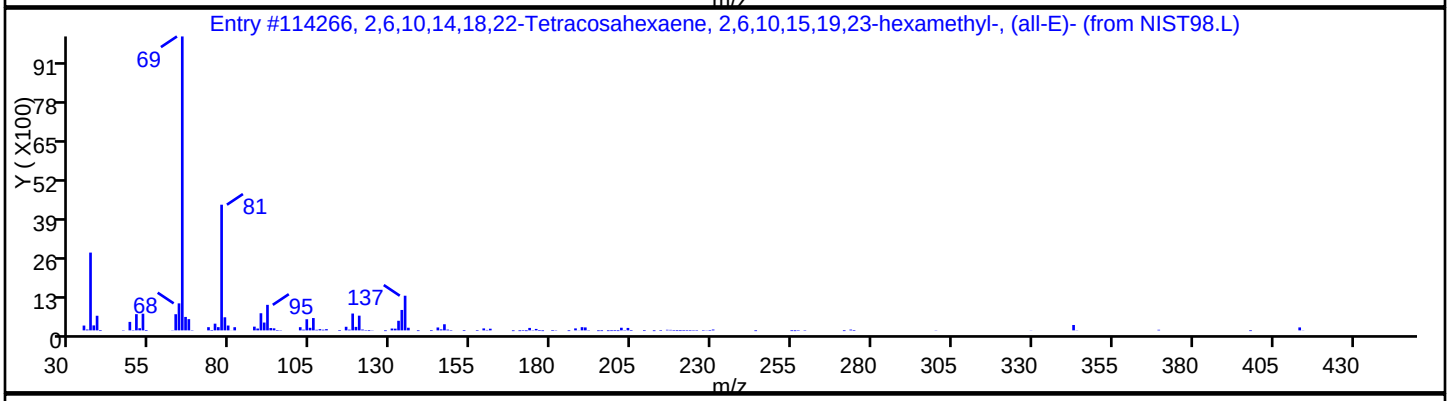
Sample Info: 24499A3A

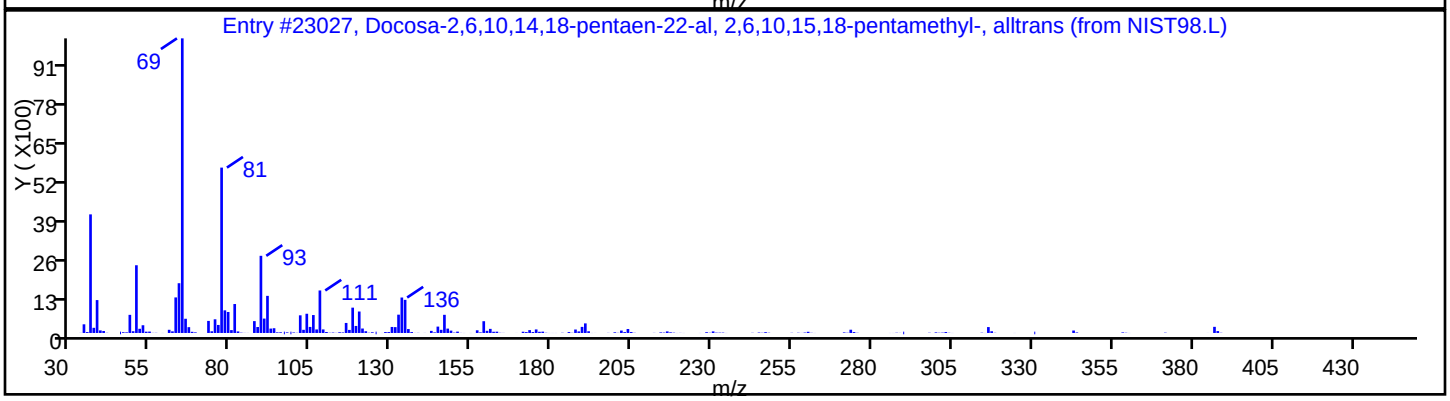
Sample Amount: 1.00 ul Operator: MZ

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
Docosa-2,6,10,14,18-pentaen-22-al, 2,6,1	1000163-4-7	NIST98.L	23027	83









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: OC-SB-417-20/22-XXX | Lab Sample ID: 360-24499-15

Matrix: Solid | Lab File ID: B10571.D

Analysis Method: 8270C LL | Date Collected: 09/10/2009 12:05

Extract. Method: 3546 | Date Extracted: 09/16/2009 15:13

Sample wt/vol: 30.12(g) | Date Analyzed: 09/26/2009 04:54

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

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

% Moisture: 18.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49517 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		41	12
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		41	12
120-82-1	1,2,4-Trichlorobenzene	ND		41	12
95-50-1	1,2-Dichlorobenzene	ND		41	12
541-73-1	1,3-Dichlorobenzene	ND		41	12
106-46-7	1,4-Dichlorobenzene	ND		41	12
90-12-0	1-Methylnaphthalene	ND		41	12
108-60-1	2,2'-oxybis[1-chloropropane]	ND		41	12
58-90-2	2,3,4,6-Tetrachlorophenol	ND		41	12
95-95-4	2,4,5-Trichlorophenol	ND		41	12
88-06-2	2,4,6-Trichlorophenol	ND		41	12
120-83-2	2,4-Dichlorophenol	ND		41	12
105-67-9	2,4-Dimethylphenol	ND		41	16
51-28-5	2,4-Dinitrophenol	ND		41	12
121-14-2	2,4-Dinitrotoluene	ND		41	12
606-20-2	2,6-Dinitrotoluene	ND		41	12
91-58-7	2-Chloronaphthalene	ND		41	12
95-57-8	2-Chlorophenol	ND		41	12
91-57-6	2-Methylnaphthalene	ND		41	12
95-48-7	2-Methylphenol	ND		41	24
88-74-4	2-Nitroaniline	ND		200	12
88-75-5	2-Nitrophenol	ND		41	12
15831-10-4	3 & 4 Methylphenol	ND		41	12
91-94-1	3,3'-Dichlorobenzidine	ND		81	12
99-09-2	3-Nitroaniline	ND		200	12
534-52-1	4,6-Dinitro-2-methylphenol	ND		200	12
101-55-3	4-Bromophenyl phenyl ether	ND		41	12
59-50-7	4-Chloro-3-methylphenol	ND		81	12
106-47-8	4-Chloroaniline	ND		81	12
7005-72-3	4-Chlorophenyl phenyl ether	ND		41	12
100-01-6	4-Nitroaniline	ND		200	12
100-02-7	4-Nitrophenol	ND		200	12
83-32-9	Acenaphthene	ND		41	12
208-96-8	Acenaphthylene	ND		41	12

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: OC-SB-417-20/22-XXX | Lab Sample ID: 360-24499-15

Matrix: Solid | Lab File ID: B10571.D

Analysis Method: 8270C LL | Date Collected: 09/10/2009 12:05

Extract. Method: 3546 | Date Extracted: 09/16/2009 15:13

Sample wt/vol: 30.12(g) | Date Analyzed: 09/26/2009 04:54

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

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

% Moisture: 18.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49517 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		41	12
62-53-3	Aniline	ND	*	41	12
120-12-7	Anthracene	ND		41	12
1912-24-9	Atrazine	ND		41	12
103-33-3	Azobenzene	ND		41	12
100-52-7	Benzaldehyde	ND		41	12
56-55-3	Benzo[a]anthracene	ND		41	12
50-32-8	Benzo[a]pyrene	ND		41	12
205-99-2	Benzo[b]fluoranthene	ND		41	12
191-24-2	Benzo[g,h,i]perylene	ND		41	12
207-08-9	Benzo[k]fluoranthene	ND		41	12
65-85-0	Benzoic acid	ND		200	18
119-61-9	Benzophenone	ND		41	12
100-51-6	Benzyl alcohol	ND		81	35
111-91-1	Bis(2-chloroethoxy)methane	ND		41	12
111-44-4	Bis(2-chloroethyl)ether	ND		41	12
117-81-7	Bis(2-ethylhexyl) phthalate	390	B *	41	12
85-68-7	Butyl benzyl phthalate	ND		41	12
105-60-2	Caprolactam	ND		41	12
86-74-8	Carbazole	ND		41	12
218-01-9	Chrysene	ND		41	12
53-70-3	Dibenz(a,h)anthracene	ND		41	12
132-64-9	Dibenzofuran	ND		41	12
84-66-2	Diethyl phthalate	ND		41	12
131-11-3	Dimethyl phthalate	ND		41	12
84-74-2	Di-n-butyl phthalate	ND		41	36
117-84-0	Di-n-octyl phthalate	ND		41	20
101-84-8	Diphenyl oxide	ND		41	12
206-44-0	Fluoranthene	ND		41	12
86-73-7	Fluorene	ND		41	12
118-74-1	Hexachlorobenzene	ND		41	12
87-68-3	Hexachlorobutadiene	ND		41	12
77-47-4	Hexachlorocyclopentadiene	ND		81	12
67-72-1	Hexachloroethane	ND		41	12

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: OC-SB-417-20/22-XXX | Lab Sample ID: 360-24499-15

Matrix: Solid | Lab File ID: B10571.D

Analysis Method: 8270C LL | Date Collected: 09/10/2009 12:05

Extract. Method: 3546 | Date Extracted: 09/16/2009 15:13

Sample wt/vol: 30.12(g) | Date Analyzed: 09/26/2009 04:54

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

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

% Moisture: 18.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49517 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	ND		41	12
78-59-1	Isophorone	ND		41	12
91-20-3	Naphthalene	ND		97	12
98-95-3	Nitrobenzene	ND		41	12
62-75-9	N-Nitrosodimethylamine	ND		41	14
621-64-7	N-Nitrosodi-n-propylamine	ND		41	12
86-30-6	N-Nitrosodiphenylamine	ND		41	12
87-86-5	Pentachlorophenol	ND		41	12
85-01-8	Phenanthrene	ND		49	12
108-95-2	Phenol	ND		41	12
129-00-0	Pyrene	ND		41	12

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	69	30-130	
321-60-8	2-Fluorobiphenyl	64	30-130	
367-12-4	2-Fluorophenol	80	30-130	
4165-60-0	Nitrobenzene-d5	56	30-130	
4165-62-2	Phenol-d5	75	30-130	
1718-51-0	Terphenyl-d14	73	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: OC-SB-417-20/22-XXX | Lab Sample ID: 360-24499-15

Matrix: Solid | Lab File ID: B10571.D

Analysis Method: 8270C LL | Date Collected: 09/10/2009 12:05

Extract. Method: 3546 | Date Extracted: 09/16/2009 15:13

Sample wt/vol: 30.12(g) | Date Analyzed: 09/26/2009 04:54

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

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

% Moisture: 18.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49517 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 227.4

CAS NO.	COMPOUND NAME	RT	RESULT	Q
59242-27-2	Furan, 2,5-dihydro-2,5-dimethyl-	5.01	23	T J N
98-83-9	.alpha.-Methylstyrene	6.99	9.4	T J N
149-57-5	Hexanoic acid, 2-ethyl-	7.81	25	T J N
99-98-9	1,4-Benzenediamine, N,N-dimethyl-	9.23	61	T J N
1198-37-4	Quinoline, 2,4-dimethyl-	9.66	12	T J N
128-37-0	Butylated Hydroxytoluene	9.85	24	T J N
27193-28-8	Phenol, (1,1,3,3-tetramethylbutyl)-	10.29	16	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	10.79	27	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	11.20	18	T J N
112-39-0	Hexadecanoic acid, methyl ester	11.41	12	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10571.D		
Lims ID:	360-24499-A-15-A	Client ID:	OC-SB-417-20/22-XXX
Inject. Date:	26-Sep-2009 04:54:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24499-a-15-a		
Misc. Info.:	360-0001300-028		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	27
Lims Batch ID:	49517	Lims Sample ID:	28
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	26-Sep-2009 17:52:22	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:52:54
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:20:57

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	7.256	7.254	0.002	388273	2.00	
* 2 Naphthalene-d8	136	8.386	8.389	-0.003	901110	2.00	
* 3 Acenaphthene-d10	164	9.877	9.879	-0.002	427489	2.00	
* 4 Phenanthrene-d10	188	11.132	11.134	-0.002	677659	2.00	
* 5 Chrysene-d12	240	14.041	14.044	-0.003	465322	2.00	
* 6 Perylene-d12	264	16.532	16.530	0.002	311490	2.00	
$ 7 2-Fluorophenol	112	5.982	5.941	0.041	804673	7.96	
$ 8 Phenol-d5	99	6.905	6.898	0.007	958112	7.46	
$ 9 Nitrobenzene-d5	82	7.751	7.754	-0.003	343885	2.82	
$ 10 2-Fluorobiphenyl	172	9.290	9.293	-0.003	898793	3.18	
$ 11 2,4,6-Tribromophenol	330	10.540	10.543	-0.003	177416	6.86	
$ 12 Terphenyl-d14	244	12.517	12.519	-0.002	658118	3.65	
17 Benzaldehyde	105	6.852	6.850	0.002	4093	0.0581	
30 Acetophenone	105	7.612	7.614	-0.002	18400	0.1179	
36 Benzoic acid	105	8.098	8.119	-0.021	5560	0.4304	
41 Naphthalene	128	8.405	8.408	-0.003	5846	0.0175	
52 1,1'-Biphenyl	154	9.377	9.379	-0.002	9317	0.0312	
54 Phenyl ether	170	9.463	9.466	-0.003	18608	0.1339	
66 Diethyl phthalate	149	10.194	10.202	-0.008	5487	0.0202	
84 Di-n-butyl phthalate	149	11.560	11.562	-0.002	72866	0.1740	
87 Fluoranthene	202	12.171	12.173	-0.002	11802	0.0386	
85 Pyrene	202	12.401	12.399	0.002	11159	0.0367	
92 Bis(2-ethylhexyl) phthalate	149	13.984	13.981	0.003	2076598	9.56	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10571.D		
Lims ID:	360-24499-A-15-A	Client ID:	OC-SB-417-20/22-XXX
Inject. Date:	26-Sep-2009 04:54:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24499-a-15-a		
Misc. Info.:	360-0001300-028		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	27
Lims Batch ID:	49517	Lims Sample ID:	28
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	26-Sep-2009 17:52:22	Calib Date:	25-Sep-2009 21:05:30
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:	26-Sep-2009 17:52:54
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:20:57

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

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Benzidine	12.262	2206	0.7304	

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-					
5.010	489829	0.5692	1	86	32804	
98-83-9	.alpha.-Methylstyrene					
6.992	199771	0.2321	1	94	52903	
149-57-5	Hexanoic acid, 2-ethyl-					
7.814	530146	0.6160	1	90	26240	
	Unknown					
8.622	187092	0.1851	2			
99-98-9	1,4-Benzenediamine, N,N-dimethyl-					
9.232	1534537	1.50	3	96	122542	
1198-37-4	Quinoline, 2,4-dimethyl-					
9.660	302650	0.2967	3	97	124012	
128-37-0	Butylated Hydroxytoluene					
9.853	612487	0.6005	3	97	84224	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
27193-28-8 Phenol, (1,1,3,3-tetramethylbutyl)-						
10.290	402038	0.3942	3	94	61171	
3910-35-8 1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3						
10.786	608449	0.6761	4	91	126944	
22768-22-5 2,4-Diphenyl-4-methyl-2(E)-pentene						
11.199	394129	0.4380	4	97	64461	
112-39-0 Hexadecanoic acid, methyl ester						
11.406	267757	0.2975	4	91	115420	
149-30-4 2-Mercaptobenzothiazole						
11.714	201564	0.2240	4	91	124619	
4860-3-1 Hexadecane, 1-chloro-						
12.724	204798	0.3062	5	86	112261	
1928-30-9 Tricosane, 2-methyl-						
13.176	269447	0.4028	5	94	5616	
638-67-5 Tricosane						
14.368	313108	0.4681	5	97	109662	
630-6-8 Hexatriacontane						
15.705	238453	0.5407	6	90	112334	
111-2-4 2,6,10,14,18,22-Tetracosahexaene, 2,6,10						
15.806	799011	1.81	6	90	114266	
638-68-6 Triacontane						
16.172	205998	0.4671	6	94	109665	
26603-23-6 p,p'-Dioctyldiphenylamine						
16.609	8693778	19.7	6	97	101420	

Quantitation Compounds

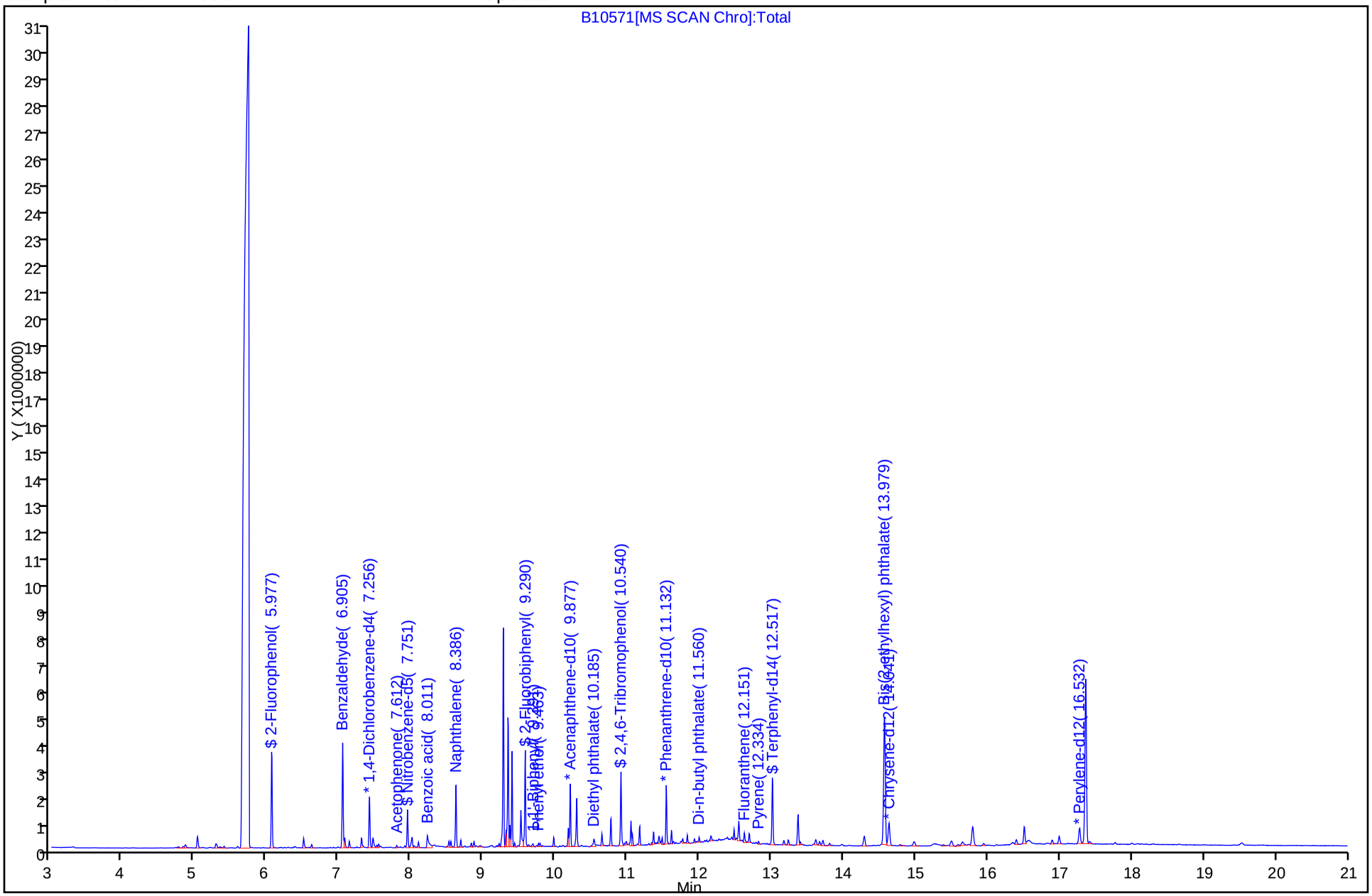
Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	7.256	1721124	2.00
* 2 Naphthalene-d8	8.386	2021239	2.00
* 3 Acenaphthene-d10	9.877	2039964	2.00
* 4 Phenanthrene-d10	11.132	1799865	2.00
* 5 Chrysene-d12	14.041	1337861	2.00
* 6 Perylene-d12	16.532	882025	2.00

QC Flag Legend

Processing Flags

Report Date: 28-Sep-2009 07:20:58 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10571.D		
Inj Date:	26-Sep-2009 04:54:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49517	Lims Sample ID:	28
Client ID:	OC-SB-417-20/22-XXX	Instrument:	Inst. B
Sample Info:	360-24499-a-15-a		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 28-Sep-2009 07:21:03 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10571.D

Inj Date: 26-Sep-2009 04:54:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49517 Lims Sample ID: 28

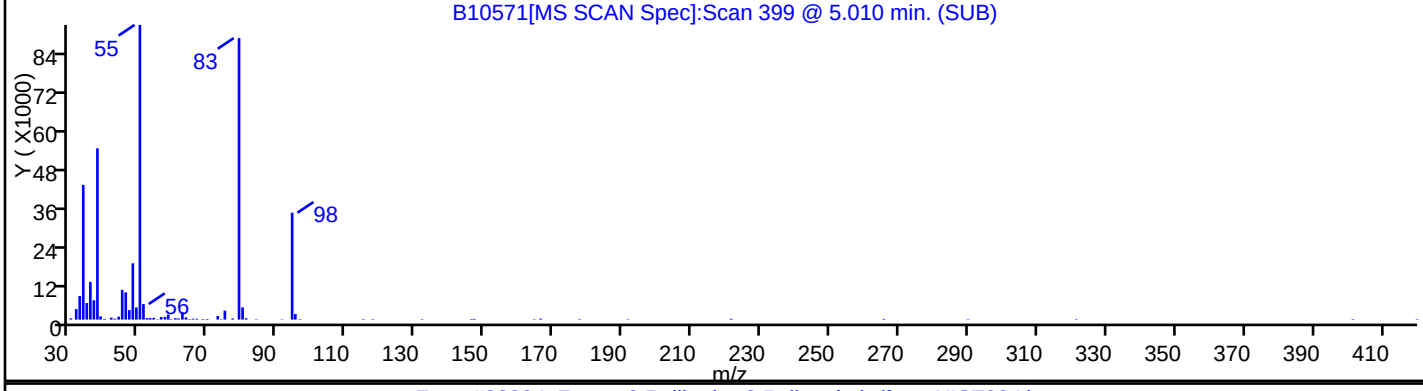
Client ID: OC-SB-417-20/22-XXX Instrument: Inst. B

Sample Info: 360-24499-a-15-a

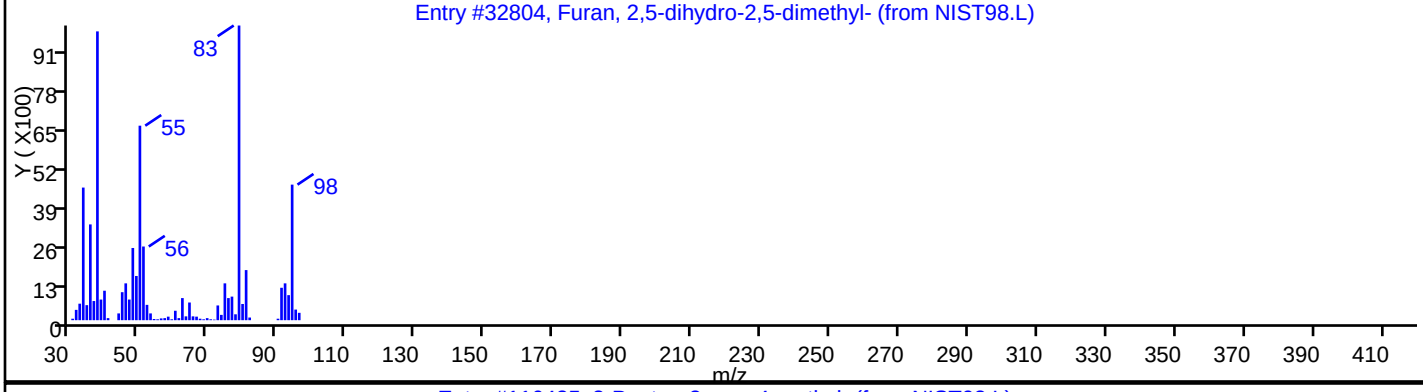
Sample Amount: 1.00 ul Operator: MZ

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-Pentanone, 3-methylene-	4359-77-7	NIST98.L	109507	58

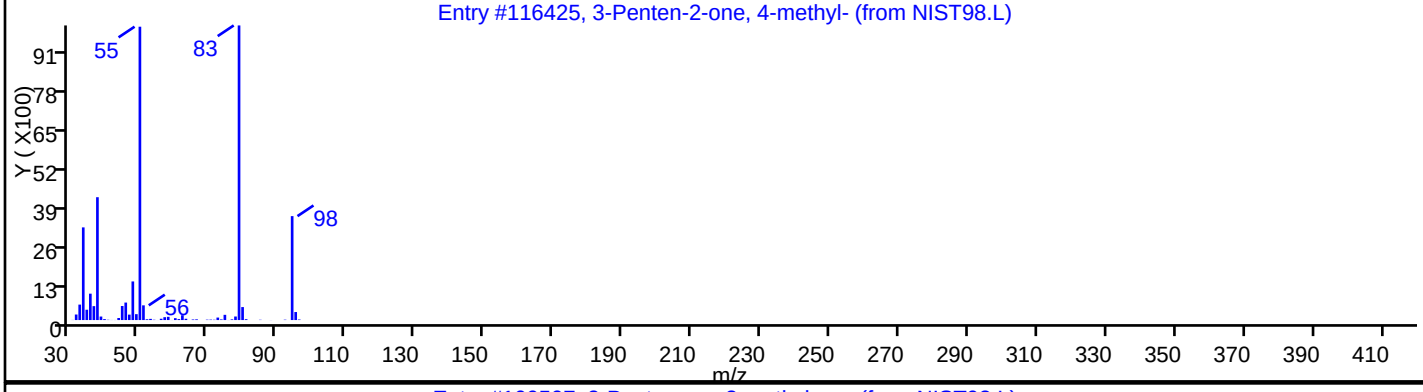
B10571[MS SCAN Spec]:Scan 399 @ 5.010 min. (SUB)



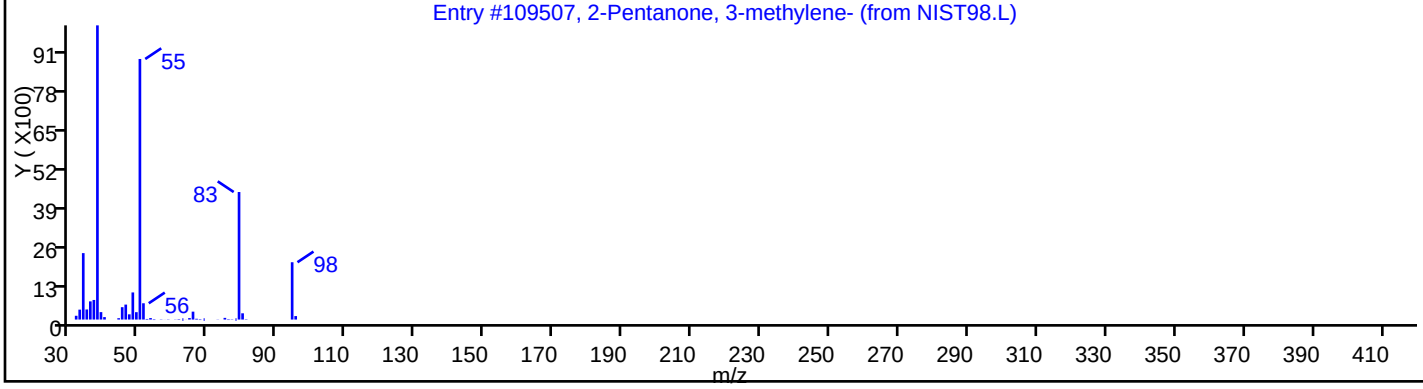
Entry #32804, Furan, 2,5-dihydro-2,5-dimethyl- (from NIST98.L)



Entry #116425, 3-Penten-2-one, 4-methyl- (from NIST98.L)



Entry #109507, 2-Pentanone, 3-methylene- (from NIST98.L)



Report Date: 28-Sep-2009 07:21:03 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10571.D

Inj Date: 26-Sep-2009 04:54:30 Limit Group: SMS - 8270LL SVOA Calibration

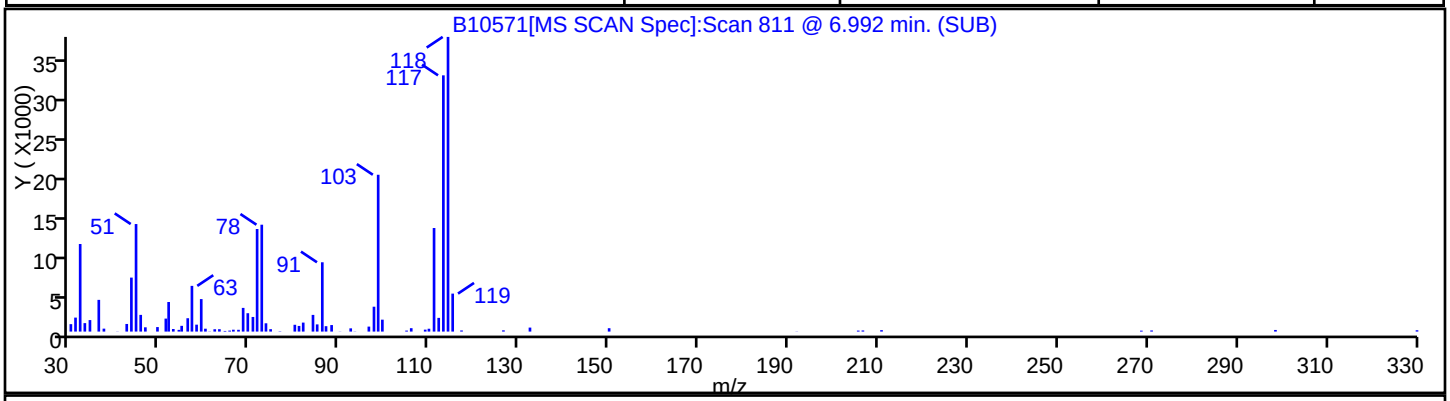
Lims Batch ID: 49517 Lims Sample ID: 28

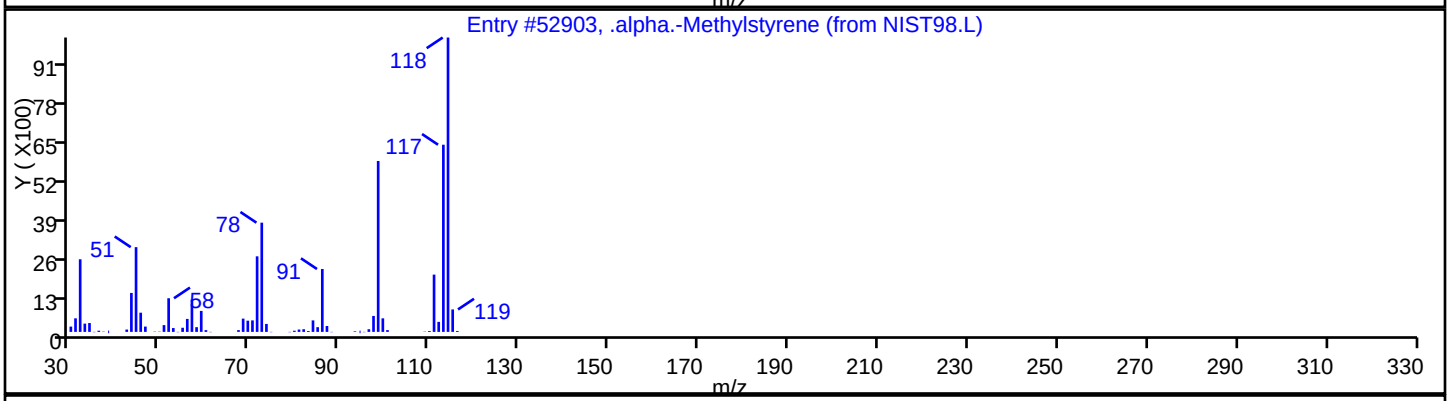
Client ID: OC-SB-417-20/22-XXX Instrument: Inst. B

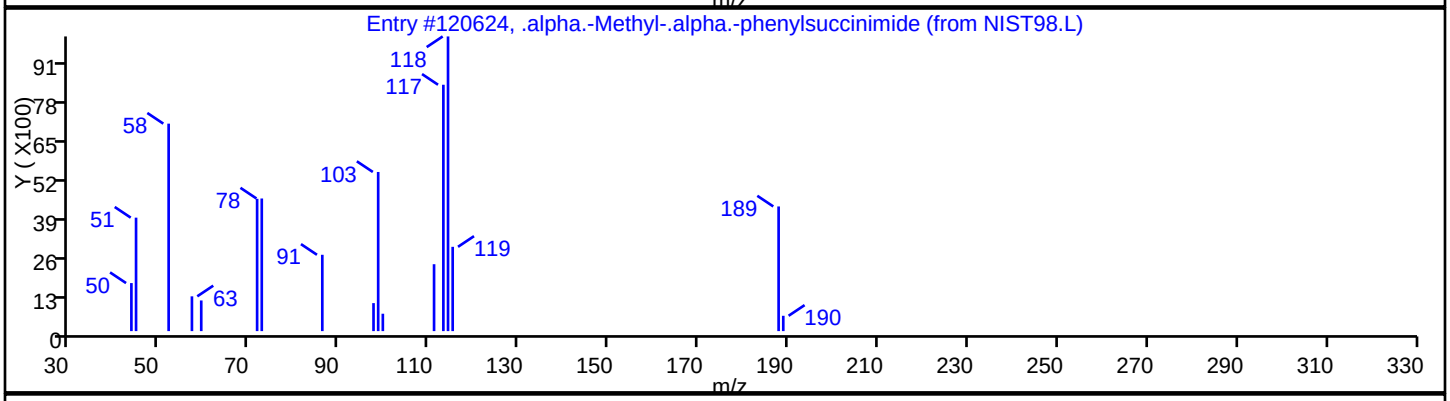
Sample Info: 360-24499-a-15-a

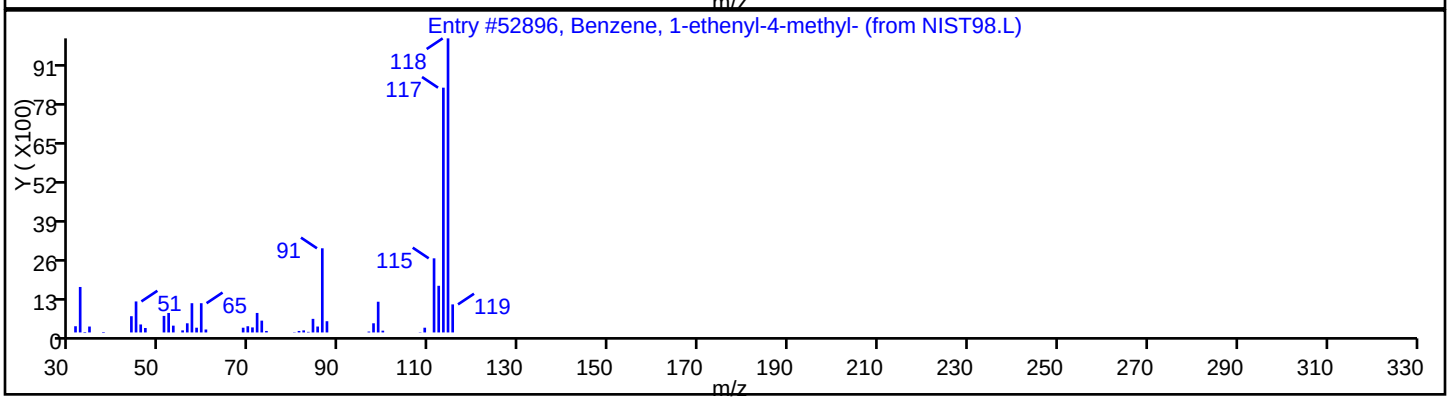
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
.alpha.-Methylstyrene	98-83-9	NIST98.L	52903	94
.alpha.-Methyl-.alpha.-phenylsuccinimide	1497-17-2	NIST98.L	120624	59
Benzene, 1-ethenyl-4-methyl-	622-97-9	NIST98.L	52896	53





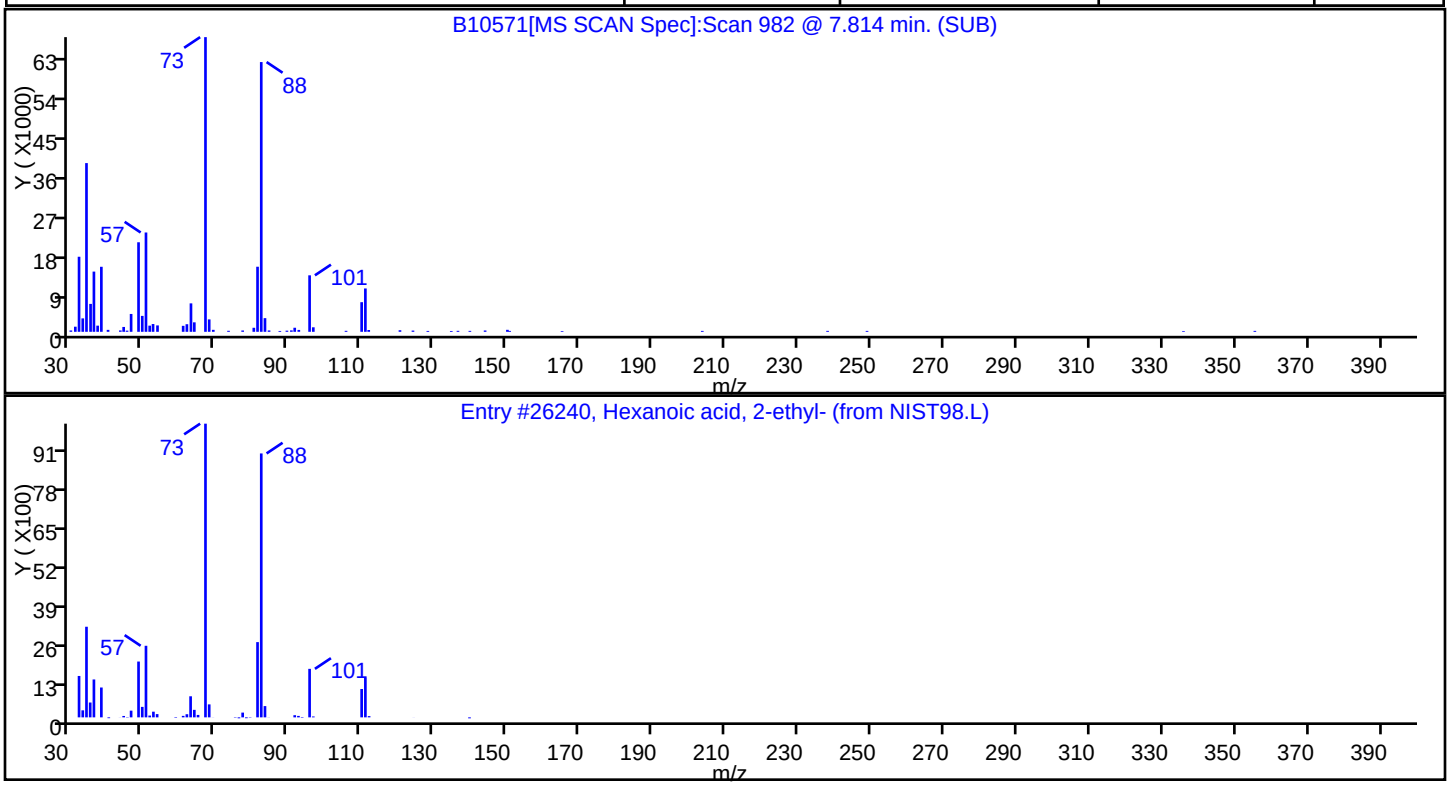




Report Date: 28-Sep-2009 07:21:03 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10571.D		
Inj Date:	26-Sep-2009 04:54:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49517	Lims Sample ID:	28
Client ID:	OC-SB-417-20/22-XXX	Instrument:	Inst. B
Sample Info:	360-24499-a-15-a		
Sample Amount:	1.00 ul	Operator:	MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexanoic acid, 2-ethyl-	149-57-5	NIST98.L	26240	90



Report Date: 28-Sep-2009 07:21:03 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10571.D

Inj Date: 26-Sep-2009 04:54:30 Limit Group: SMS - 8270LL SVOA Calibration

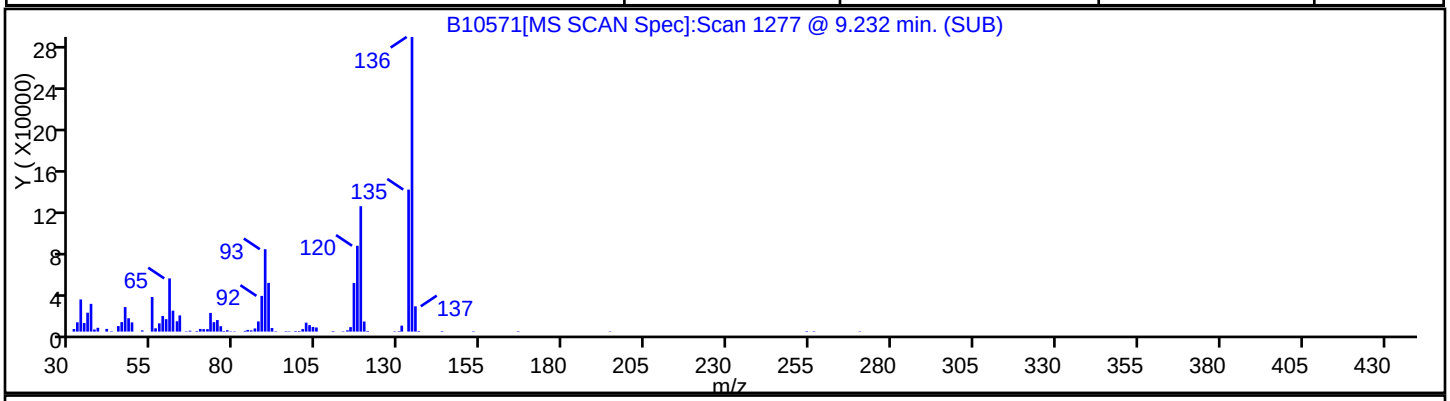
Lims Batch ID: 49517 Lims Sample ID: 28

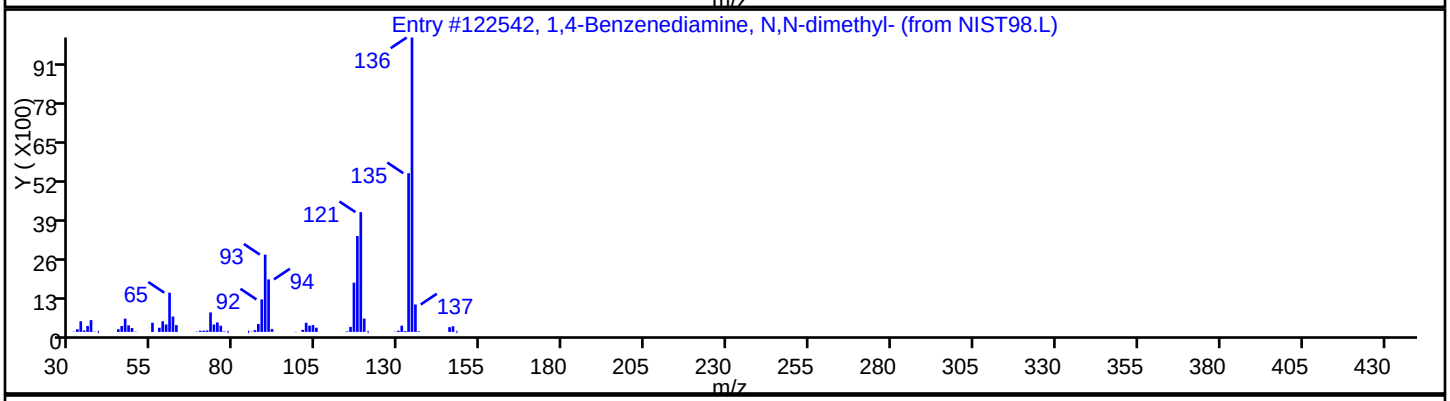
Client ID: OC-SB-417-20/22-XXX Instrument: Inst. B

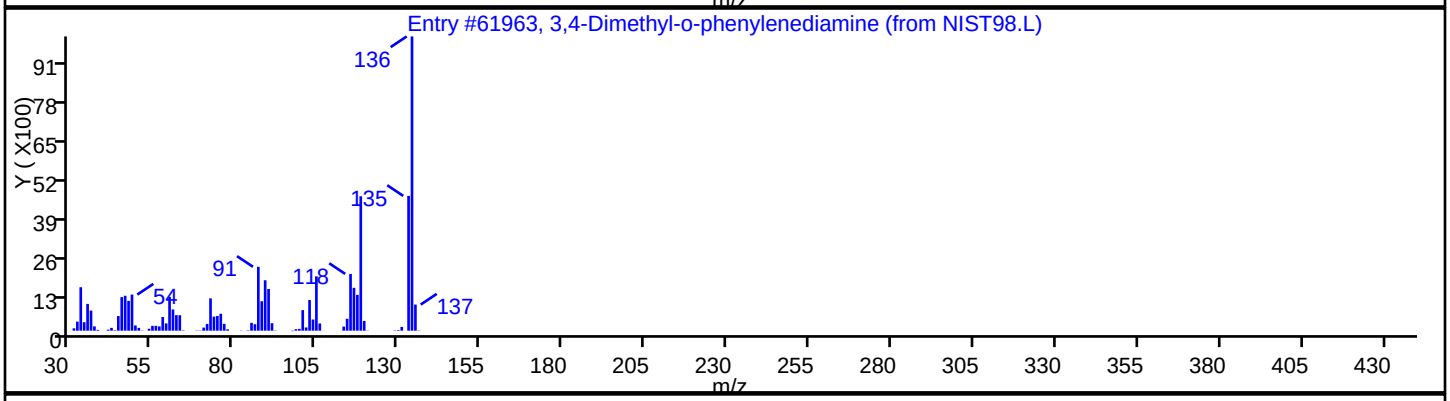
Sample Info: 360-24499-a-15-a

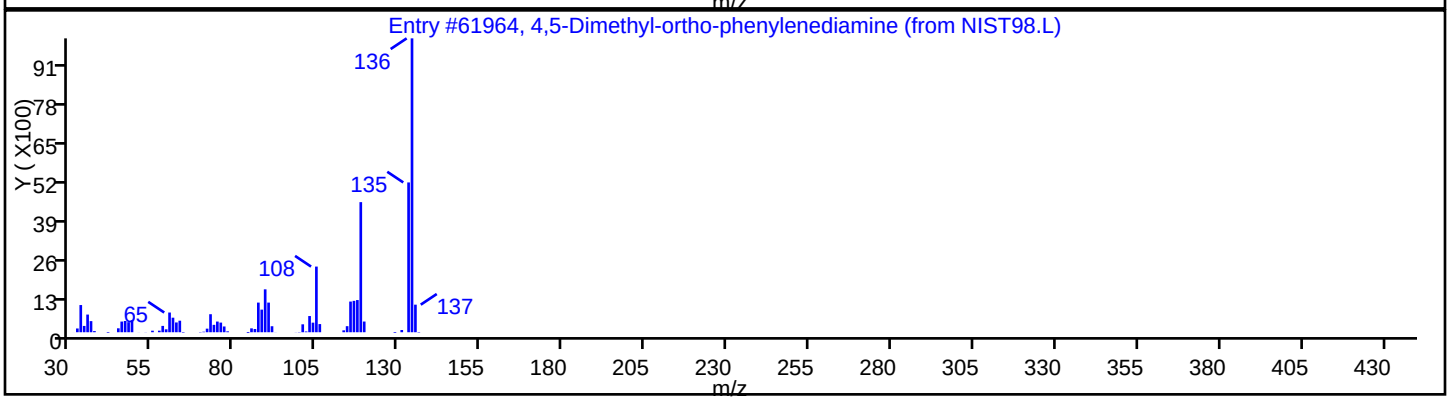
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1,4-Benzenediamine, N,N-dimethyl-	99-98-9	NIST98.L	122542	96
3,4-Dimethyl-o-phenylenediamine	41927-1-9	NIST98.L	61963	81
4,5-Dimethyl-ortho-phenylenediamine	3171-45-7	NIST98.L	61964	64









Report Date: 28-Sep-2009 07:21:03 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10571.D

Inj Date: 26-Sep-2009 04:54:30 Limit Group: SMS - 8270LL SVOA Calibration

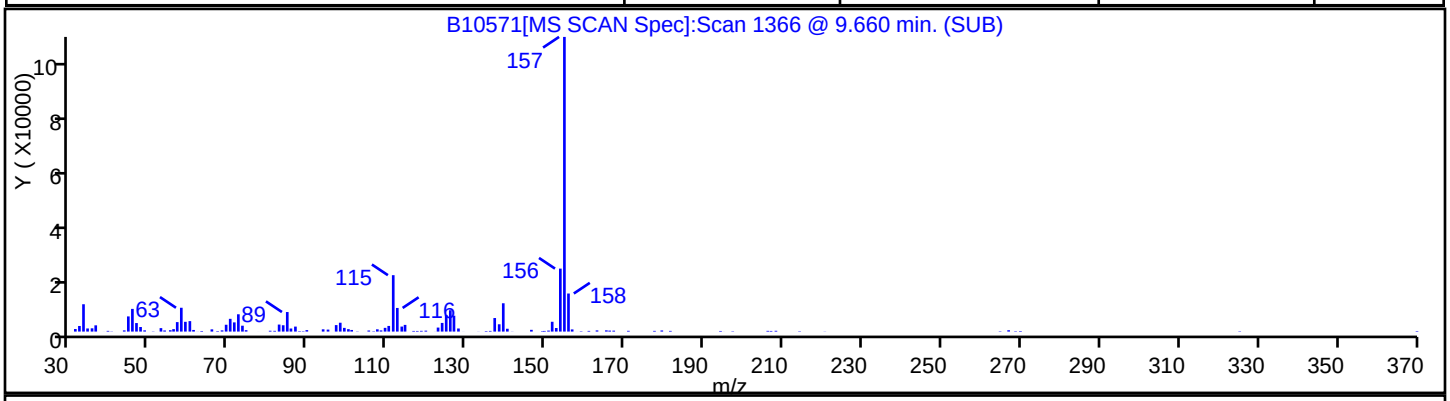
Lims Batch ID: 49517 Lims Sample ID: 28

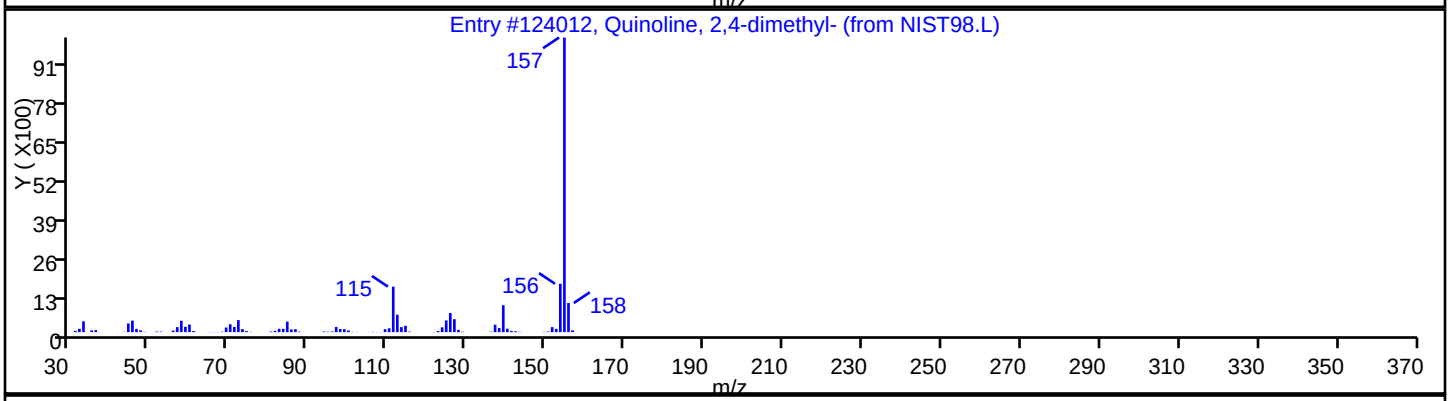
Client ID: OC-SB-417-20/22-XXX Instrument: Inst. B

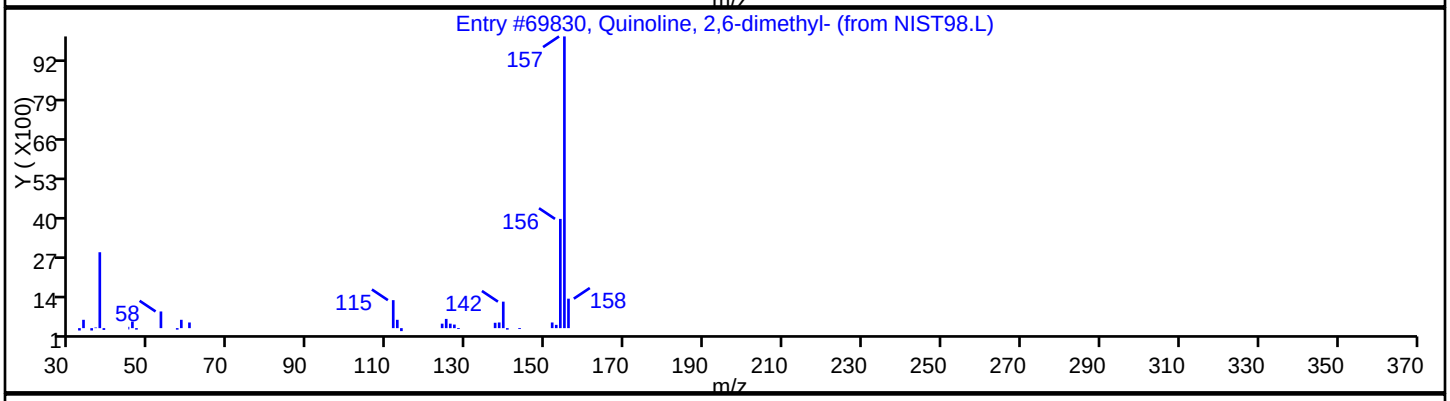
Sample Info: 360-24499-a-15-a

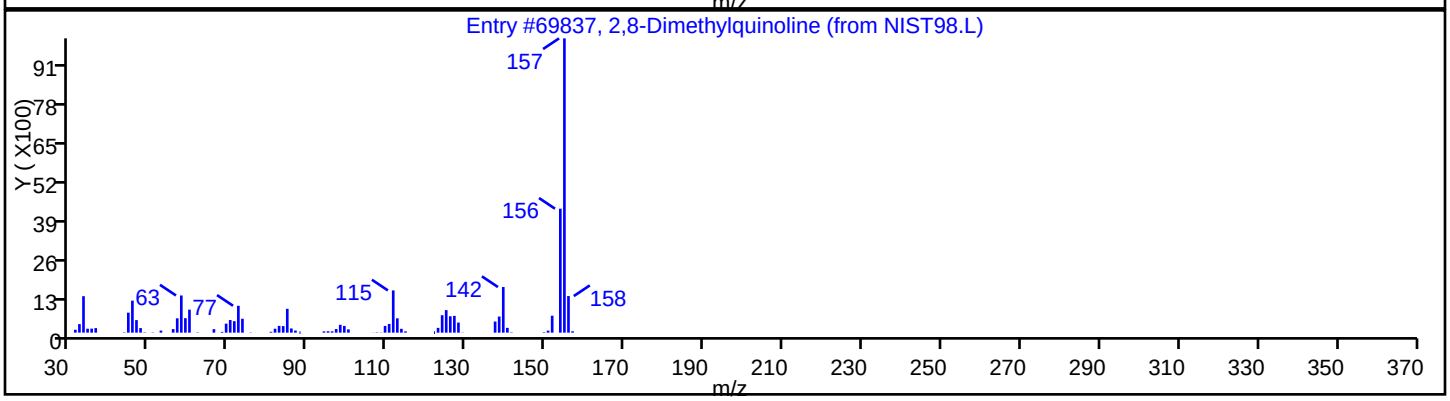
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Quinoline, 2,4-dimethyl-	1198-37-4	NIST98.L	124012	97
Quinoline, 2,6-dimethyl-	877-43-0	NIST98.L	69830	74
2,8-Dimethylquinoline	1463-17-8	NIST98.L	69837	64









Report Date: 28-Sep-2009 07:21:03 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10571.D

Inj Date: 26-Sep-2009 04:54:30 Limit Group: SMS - 8270LL SVOA Calibration

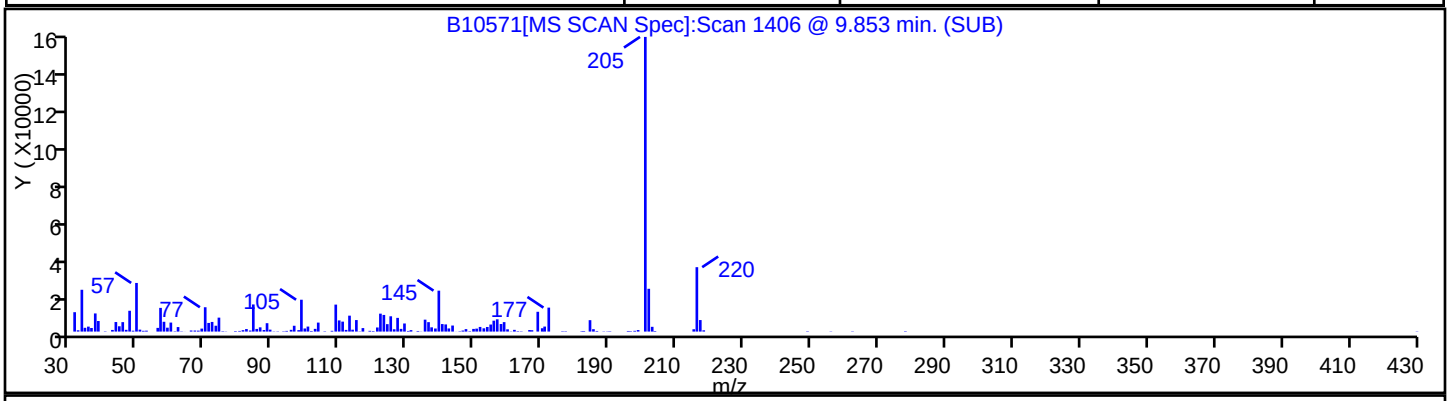
Lims Batch ID: 49517 Lims Sample ID: 28

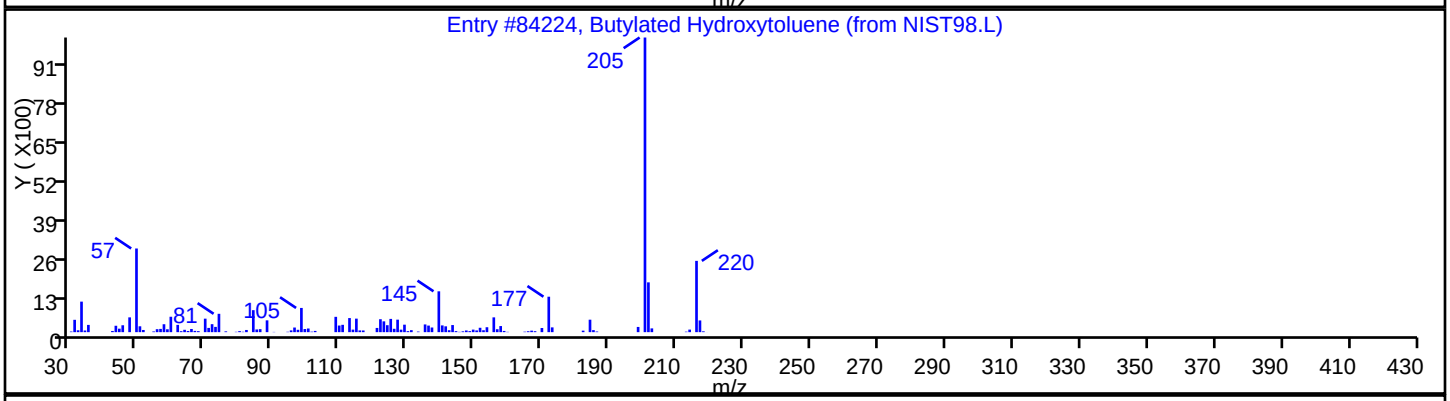
Client ID: OC-SB-417-20/22-XXX Instrument: Inst. B

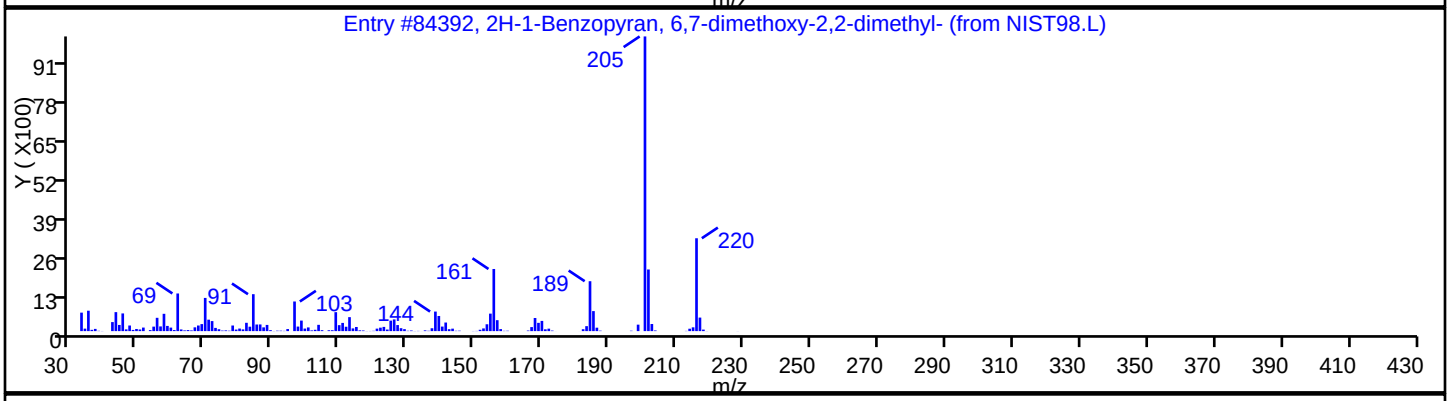
Sample Info: 360-24499-a-15-a

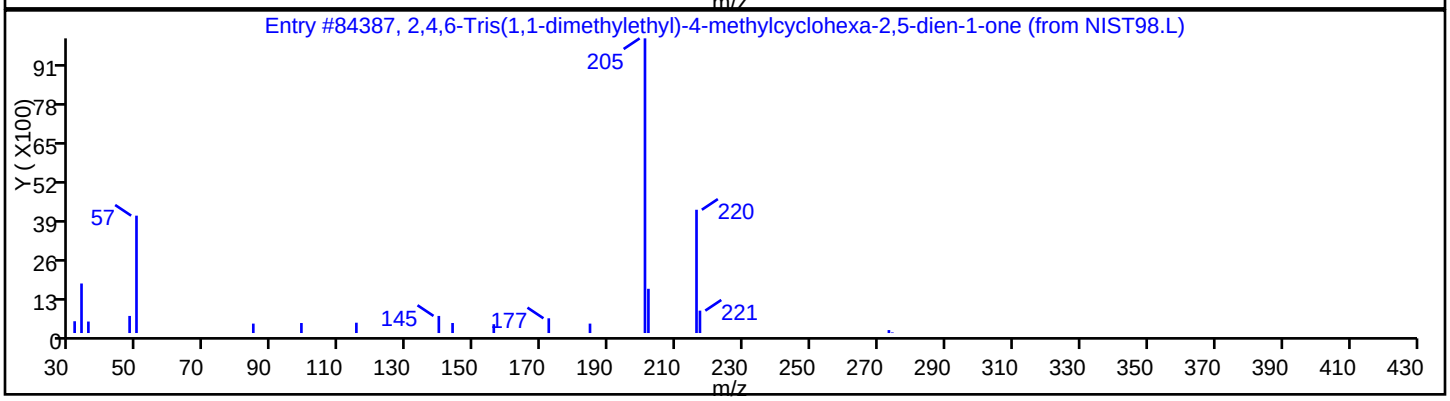
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Butylated Hydroxytoluene	128-37-0	NIST98.L	84224	97
2H-1-Benzopyran, 6,7-dimethoxy-2,2-dimet	644-6-4	NIST98.L	84392	64
2,4,6-Tris(1,1-dimethylethyl)-4-methylcy	19687-22-0	NIST98.L	84387	64









Report Date: 28-Sep-2009 07:21:03 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10571.D

Inj Date: 26-Sep-2009 04:54:30 Limit Group: SMS - 8270LL SVOA Calibration

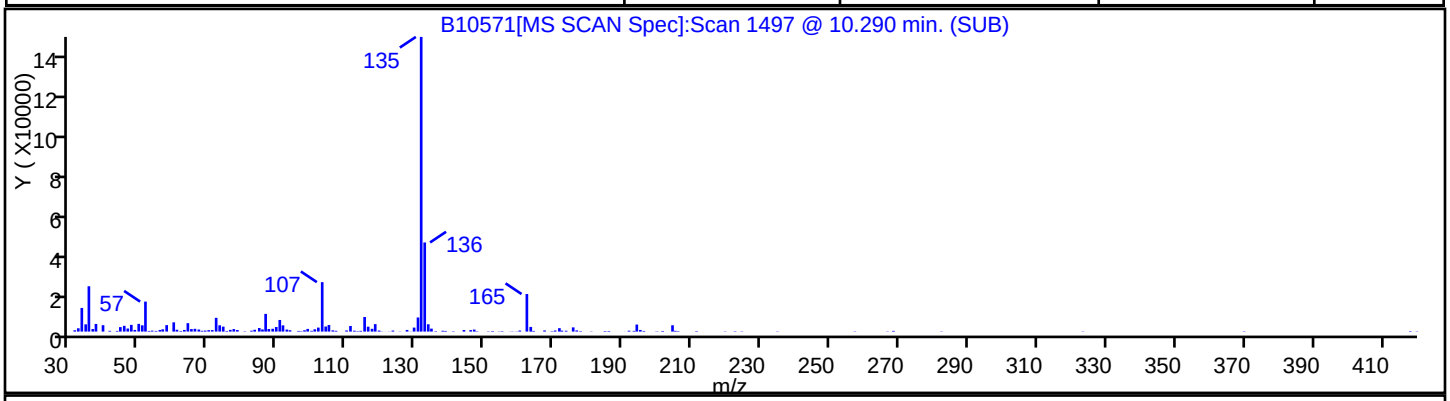
Lims Batch ID: 49517 Lims Sample ID: 28

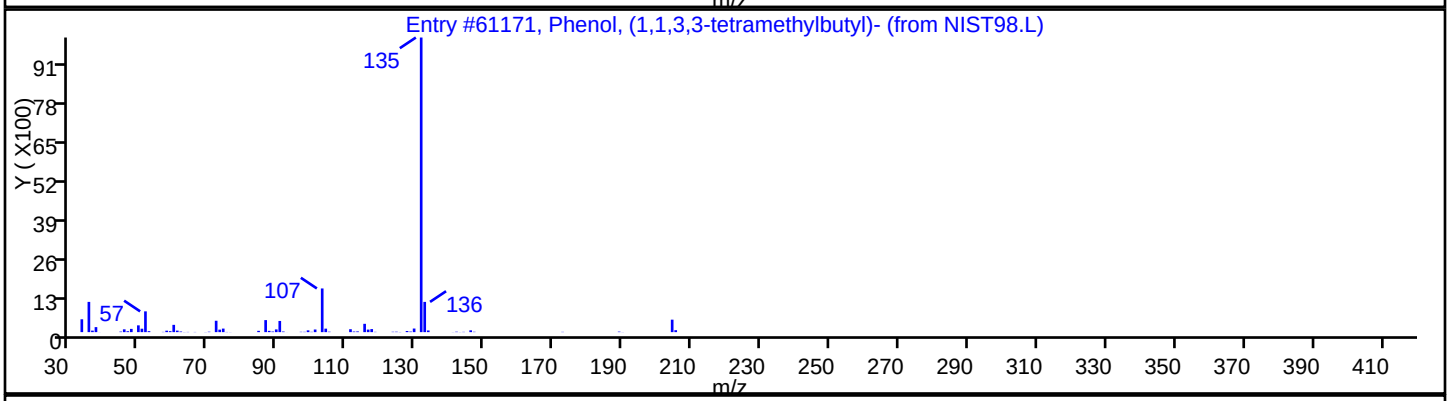
Client ID: OC-SB-417-20/22-XXX Instrument: Inst. B

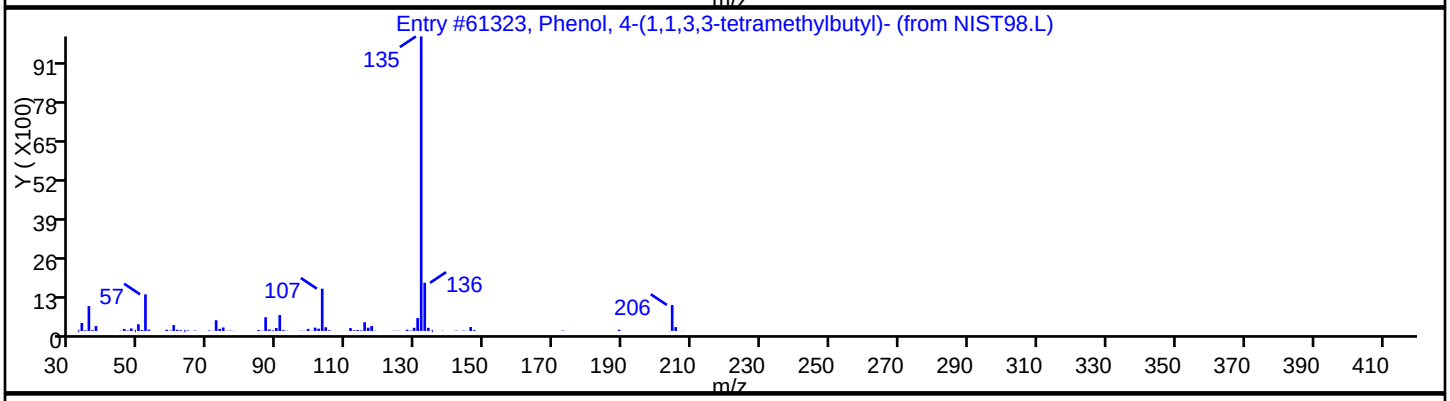
Sample Info: 360-24499-a-15-a

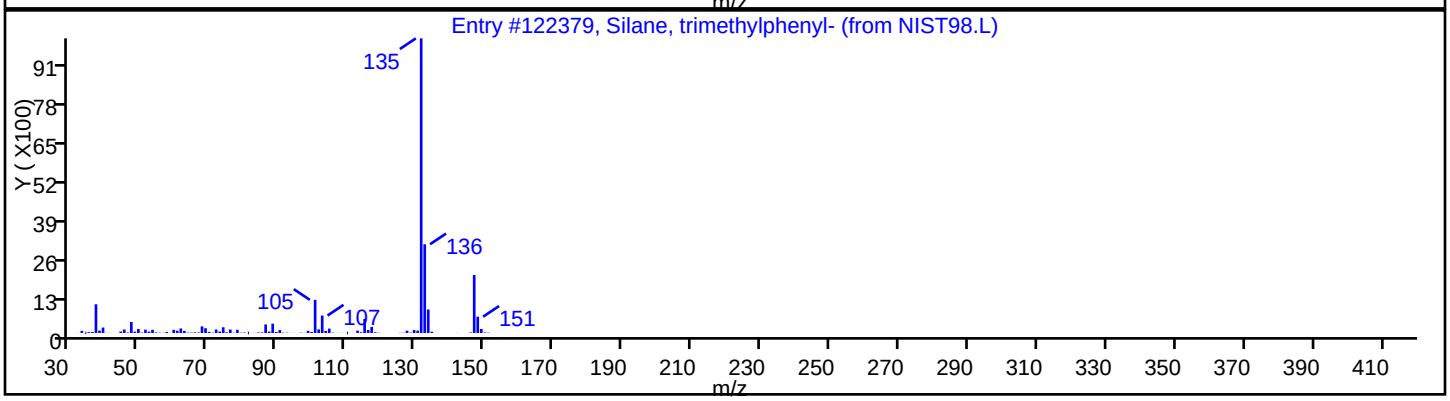
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Phenol, (1,1,3,3-tetramethylbutyl)-	27193-28-8	NIST98.L	61171	94
Phenol, 4-(1,1,3,3-tetramethylbutyl)-	140-66-9	NIST98.L	61323	74
Silane, trimethylphenyl-	768-32-1	NIST98.L	122379	59





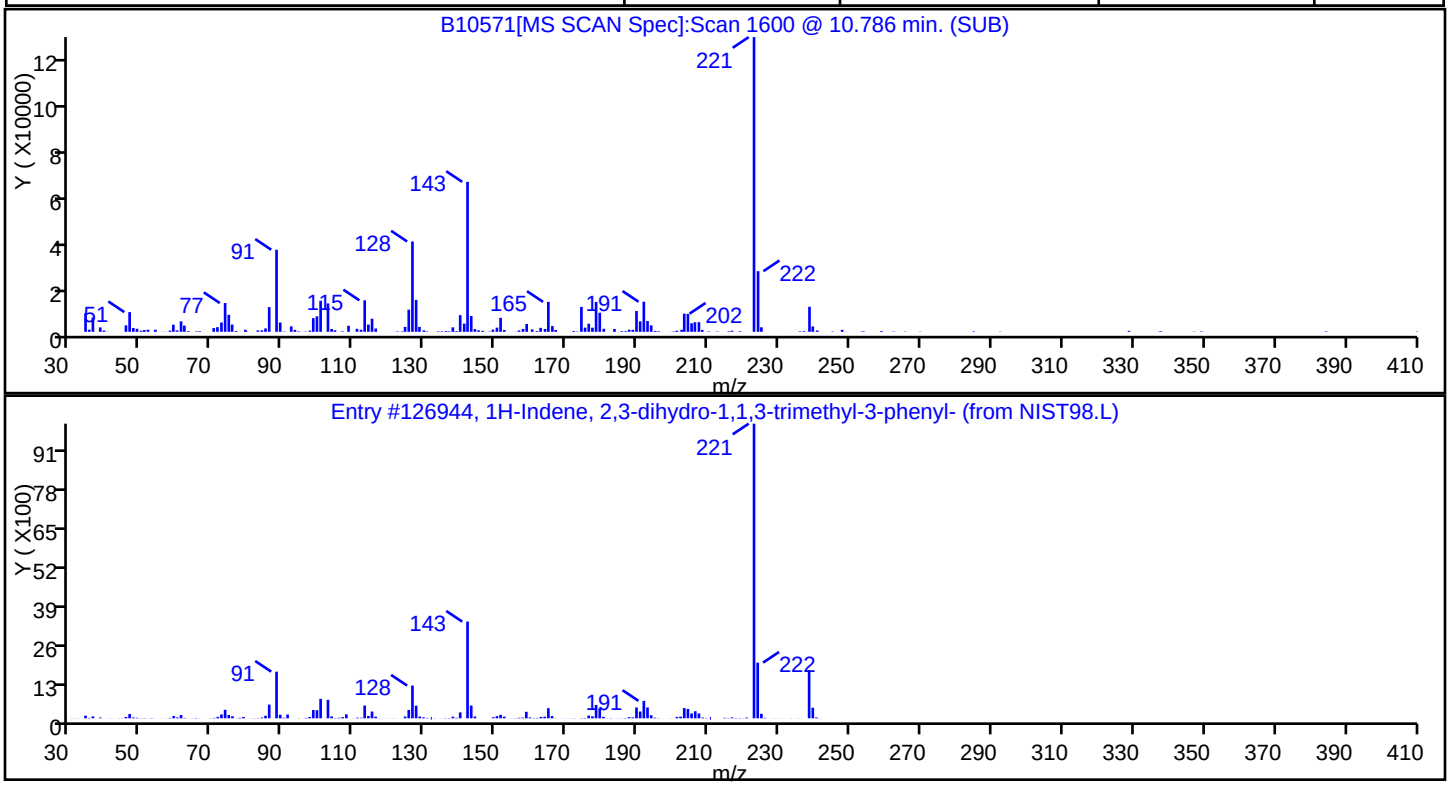




Report Date: 28-Sep-2009 07:21:03 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10571.D		
Inj Date:	26-Sep-2009 04:54:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49517	Lims Sample ID:	28
Client ID:	OC-SB-417-20/22-XXX	Instrument:	Inst. B
Sample Info:	360-24499-a-15-a		
Sample Amount:	1.00 ul	Operator:	MZ

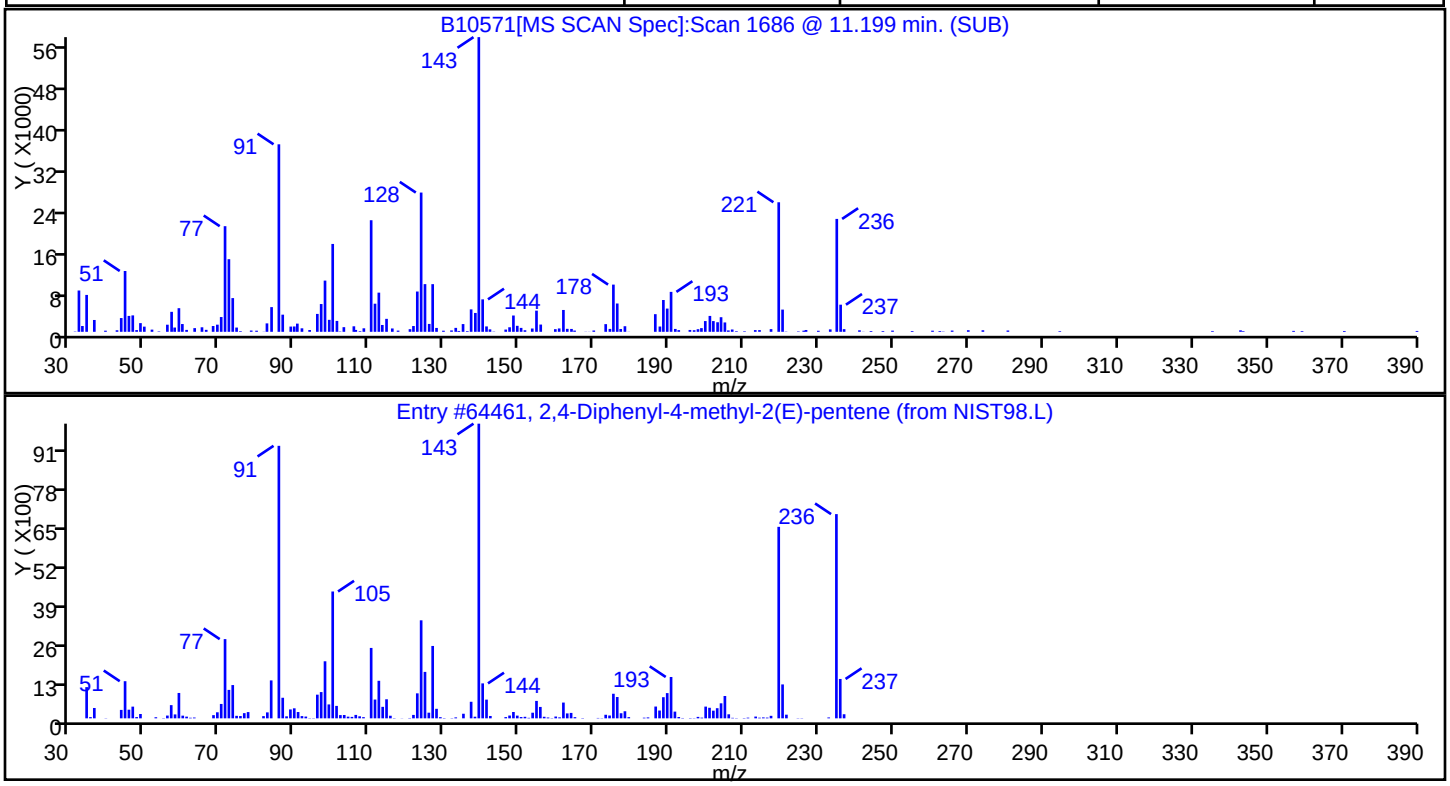
Library Search Compound Match	CAS Number	Library	Entry	Quality
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	3910-35-8	NIST98.L	126944	91



Report Date: 28-Sep-2009 07:21:03 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10571.D		
Inj Date:	26-Sep-2009 04:54:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49517	Lims Sample ID:	28
Client ID:	OC-SB-417-20/22-XXX	Instrument:	Inst. B
Sample Info:	360-24499-a-15-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	97



Report Date: 28-Sep-2009 07:21:03 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10571.D

Inj Date: 26-Sep-2009 04:54:30 Limit Group: SMS - 8270LL SVOA Calibration

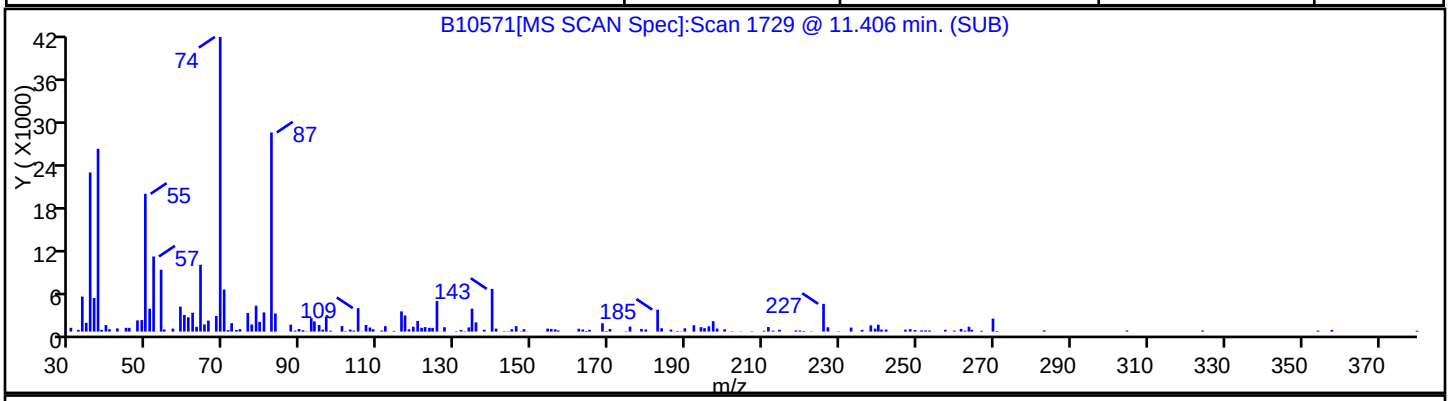
Lims Batch ID: 49517 Lims Sample ID: 28

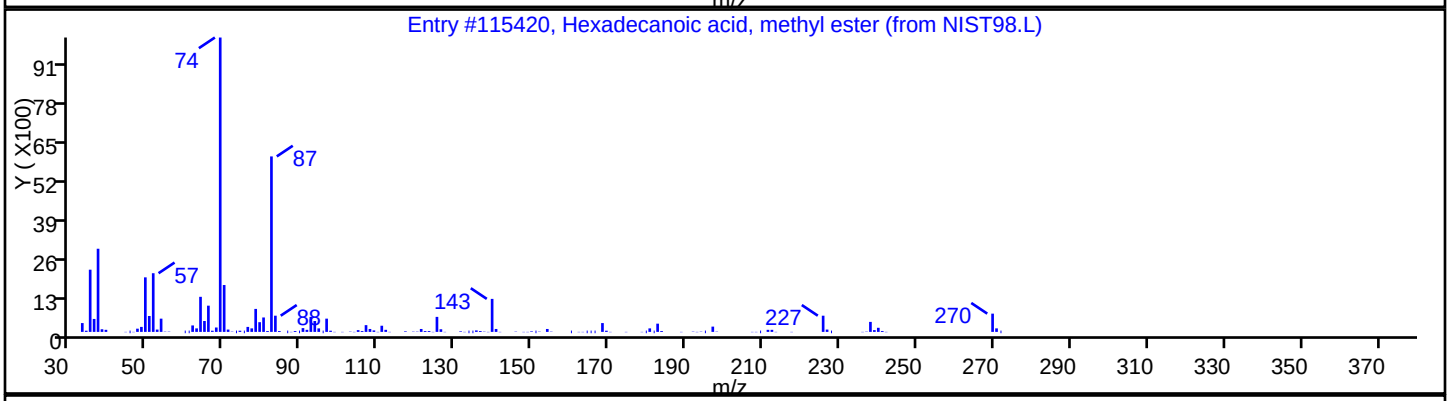
Client ID: OC-SB-417-20/22-XXX Instrument: Inst. B

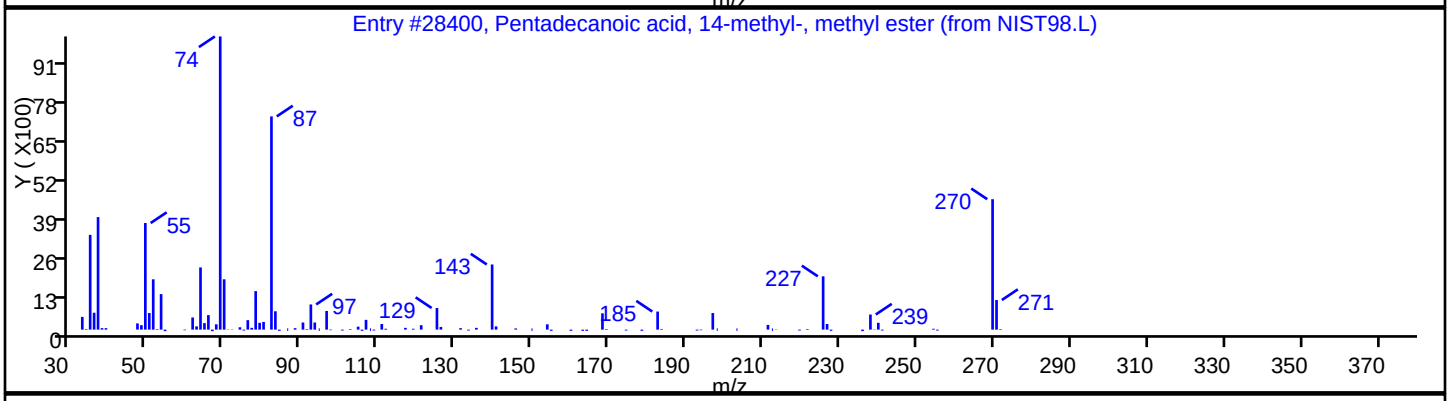
Sample Info: 360-24499-a-15-a

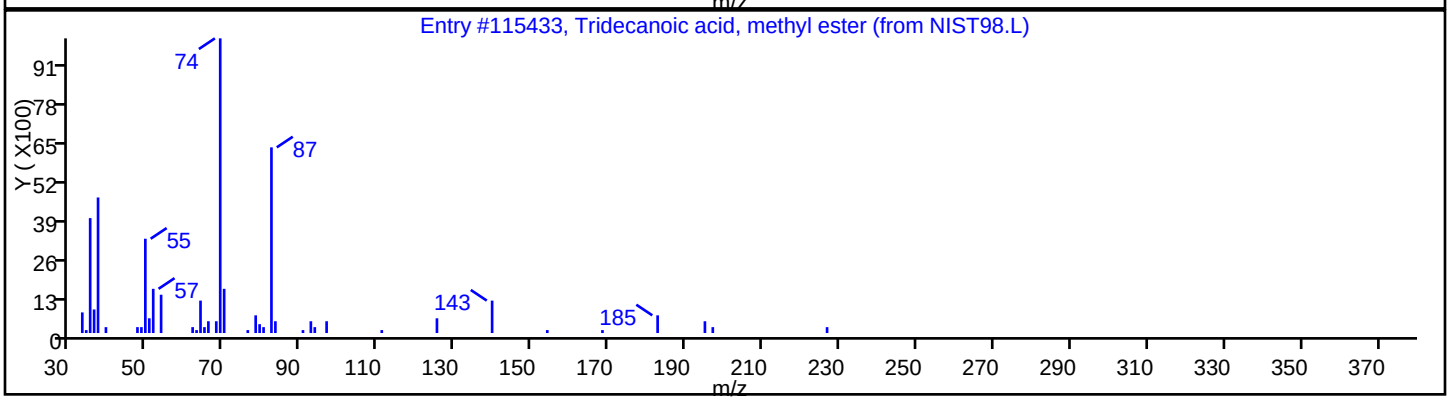
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexadecanoic acid, methyl ester	112-39-0	NIST98.L	115420	91
Pentadecanoic acid, 14-methyl-, methyl e	5129-60-2	NIST98.L	28400	86
Tridecanoic acid, methyl ester	1731-88-0	NIST98.L	115433	81









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: OC-SB-434-15/16-XXX | Lab Sample ID: 360-24499-18

Matrix: Solid | Lab File ID: B10574.D

Analysis Method: 8270C LL | Date Collected: 09/10/2009 09:35

Extract. Method: 3546 | Date Extracted: 09/16/2009 15:13

Sample wt/vol: 30.20(g) | Date Analyzed: 09/26/2009 06:17

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

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

% Moisture: 13.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49517 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	18	J	38	11
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		38	11
120-82-1	1,2,4-Trichlorobenzene	ND		38	11
95-50-1	1,2-Dichlorobenzene	ND		38	11
541-73-1	1,3-Dichlorobenzene	ND		38	11
106-46-7	1,4-Dichlorobenzene	ND		38	11
90-12-0	1-Methylnaphthalene	ND		38	11
108-60-1	2,2'-oxybis[1-chloropropane]	ND		38	11
58-90-2	2,3,4,6-Tetrachlorophenol	ND		38	11
95-95-4	2,4,5-Trichlorophenol	ND		38	11
88-06-2	2,4,6-Trichlorophenol	ND		38	11
120-83-2	2,4-Dichlorophenol	ND		38	11
105-67-9	2,4-Dimethylphenol	ND		38	15
51-28-5	2,4-Dinitrophenol	ND		38	11
121-14-2	2,4-Dinitrotoluene	ND		38	11
606-20-2	2,6-Dinitrotoluene	ND		38	11
91-58-7	2-Chloronaphthalene	ND		38	11
95-57-8	2-Chlorophenol	ND		38	11
91-57-6	2-Methylnaphthalene	ND		38	11
95-48-7	2-Methylphenol	ND		38	23
88-74-4	2-Nitroaniline	ND		190	11
88-75-5	2-Nitrophenol	ND		38	11
15831-10-4	3 & 4 Methylphenol	ND		38	11
91-94-1	3,3'-Dichlorobenzidine	ND		76	11
99-09-2	3-Nitroaniline	ND		190	11
534-52-1	4,6-Dinitro-2-methylphenol	ND		190	11
101-55-3	4-Bromophenyl phenyl ether	ND		38	11
59-50-7	4-Chloro-3-methylphenol	ND		76	11
106-47-8	4-Chloroaniline	ND		76	11
7005-72-3	4-Chlorophenyl phenyl ether	ND		38	11
100-01-6	4-Nitroaniline	ND		190	11
100-02-7	4-Nitrophenol	ND		190	11
83-32-9	Acenaphthene	ND		38	11
208-96-8	Acenaphthylene	ND		38	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: OC-SB-434-15/16-XXX | Lab Sample ID: 360-24499-18

Matrix: Solid | Lab File ID: B10574.D

Analysis Method: 8270C LL | Date Collected: 09/10/2009 09:35

Extract. Method: 3546 | Date Extracted: 09/16/2009 15:13

Sample wt/vol: 30.20(g) | Date Analyzed: 09/26/2009 06:17

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

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

% Moisture: 13.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49517 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		38	11
62-53-3	Aniline	ND	*	38	11
120-12-7	Anthracene	ND		38	11
1912-24-9	Atrazine	ND		38	11
103-33-3	Azobenzene	ND		38	11
100-52-7	Benzaldehyde	ND		38	11
56-55-3	Benzo[a]anthracene	ND		38	11
50-32-8	Benzo[a]pyrene	ND		38	11
205-99-2	Benzo[b]fluoranthene	ND		38	11
191-24-2	Benzo[g,h,i]perylene	ND		38	11
207-08-9	Benzo[k]fluoranthene	ND		38	11
65-85-0	Benzoic acid	ND		190	17
119-61-9	Benzophenone	ND		38	11
100-51-6	Benzyl alcohol	ND		76	32
111-91-1	Bis(2-chloroethoxy)methane	ND		38	11
111-44-4	Bis(2-chloroethyl)ether	ND		38	11
117-81-7	Bis(2-ethylhexyl) phthalate	380	B *	38	11
85-68-7	Butyl benzyl phthalate	ND		38	11
105-60-2	Caprolactam	ND		38	11
86-74-8	Carbazole	ND		38	11
218-01-9	Chrysene	ND		38	11
53-70-3	Dibenz(a,h)anthracene	ND		38	11
132-64-9	Dibenzofuran	ND		38	11
84-66-2	Diethyl phthalate	ND		38	11
131-11-3	Dimethyl phthalate	ND		38	11
84-74-2	Di-n-butyl phthalate	ND		38	33
117-84-0	Di-n-octyl phthalate	ND		38	19
101-84-8	Diphenyl oxide	29	J	38	11
206-44-0	Fluoranthene	ND		38	11
86-73-7	Fluorene	ND		38	11
118-74-1	Hexachlorobenzene	ND		38	11
87-68-3	Hexachlorobutadiene	ND		38	11
77-47-4	Hexachlorocyclopentadiene	ND		76	11
67-72-1	Hexachloroethane	ND		38	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: OC-SB-434-15/16-XXX | Lab Sample ID: 360-24499-18

Matrix: Solid | Lab File ID: B10574.D

Analysis Method: 8270C LL | Date Collected: 09/10/2009 09:35

Extract. Method: 3546 | Date Extracted: 09/16/2009 15:13

Sample wt/vol: 30.20(g) | Date Analyzed: 09/26/2009 06:17

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

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

% Moisture: 13.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49517 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	ND		38	11
78-59-1	Isophorone	ND		38	11
91-20-3	Naphthalene	ND		91	11
98-95-3	Nitrobenzene	ND		38	11
62-75-9	N-Nitrosodimethylamine	ND		38	13
621-64-7	N-Nitrosodi-n-propylamine	ND		38	11
86-30-6	N-Nitrosodiphenylamine	ND		38	11
87-86-5	Pentachlorophenol	ND		38	11
85-01-8	Phenanthrene	ND		46	11
108-95-2	Phenol	ND		38	11
129-00-0	Pyrene	ND		38	11

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	69	30-130	
321-60-8	2-Fluorobiphenyl	68	30-130	
367-12-4	2-Fluorophenol	88	30-130	
4165-60-0	Nitrobenzene-d5	62	30-130	
4165-62-2	Phenol-d5	82	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.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: OC-SB-434-15/16-XXX | Lab Sample ID: 360-24499-18

Matrix: Solid | Lab File ID: B10574.D

Analysis Method: 8270C LL | Date Collected: 09/10/2009 09:35

Extract. Method: 3546 | Date Extracted: 09/16/2009 15:13

Sample wt/vol: 30.20(g) | Date Analyzed: 09/26/2009 06:17

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

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

% Moisture: 13.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49517 | Units: ug/Kg

Number TICs Found: 9 | TIC Result Total: 577.3

CAS NO.	COMPOUND NAME	RT	RESULT	Q
98-83-9	.alpha.-Methylstyrene	6.99	9.1	T J N
149-57-5	Hexanoic acid, 2-ethyl-	7.82	20	T J N
99-98-9	1,4-Benzenediamine, N,N-dimethyl-	9.24	30	T J N
128-37-0	Butylated Hydroxytoluene	9.86	16	T J N
615-22-5	Benzothiazole, 2-(methylthio)-	10.41	25	T J N
112-61-8	Octadecanoic acid, methyl ester	12.08	8.2	T J N
24468-13-1	dl-2-Ethylhexyl chloroformate	13.72	19	T J N
7683-64-9	Squalene	15.81	300	T J N
26603-23-6	p,p''-Dioctyldiphenylamine	16.61	150	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10574.D		
Lims ID:	360-24499-A-18-A	Client ID:	OC-SB-434-15/16-XXX
Inject. Date:	26-Sep-2009 06:17:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24499-a-18-a		
Misc. Info.:	360-0001300-031		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	30
Lims Batch ID:	49517	Lims Sample ID:	31
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:27:18	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:27:18

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	7.253	7.256	-0.003	392426	2.00	
* 2 Naphthalene-d8	136	8.388	8.386	0.002	937122	2.00	
* 3 Acenaphthene-d10	164	9.879	9.881	-0.002	453056	2.00	
* 4 Phenanthrene-d10	188	11.134	11.132	0.002	724493	2.00	
* 5 Chrysene-d12	240	14.043	14.041	0.002	484926	2.00	
* 6 Perylene-d12	264	16.534	16.532	0.002	330343	2.00	
$ 7 2-Fluorophenol	112	5.989	5.943	0.046	896931	8.78	
$ 8 Phenol-d5	99	6.912	6.895	0.017	1062690	8.19	
$ 9 Nitrobenzene-d5	82	7.753	7.756	-0.003	395917	3.12	
$ 10 2-Fluorobiphenyl	172	9.292	9.290	0.002	1017073	3.40	
$ 11 2,4,6-Tribromophenol	330	10.543	10.545	-0.002	191118	6.91	
$ 12 Terphenyl-d14	244	12.519	12.517	0.002	765332	4.08	
30 Acetophenone	105	7.614	7.616	-0.002	22953	0.1455	
41 Naphthalene	128	8.403	8.405	-0.002	9344	0.0269	
52 1,1'-Biphenyl	154	9.379	9.381	-0.002	145573	0.4602	
54 Phenyl ether	170	9.465	9.463	0.002	111597	0.7719	
61 Acenaphthene	153	9.908	9.910	-0.002	5239	0.0199	
64 Dibenzofuran	168	10.052	10.050	0.002	8244	0.0240	
66 Diethyl phthalate	149	10.196	10.199	-0.003	4074	0.0142	
69 Fluorene	166	10.341	10.343	-0.002	4412	0.0156	
80 Phenanthrene	178	11.153	11.156	-0.003	16411	0.0450	
81 Anthracene	178	11.201	11.199	0.002	6179	0.0180	
84 Di-n-butyl phthalate	149	11.562	11.564	-0.002	57657	0.1288	
85 Pyrene	202	12.404	12.401	0.003	9916	0.0313	
92 Bis(2-ethylhexyl) phthalate	149	13.986	13.978	0.008	2274558	10.0	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10574.D		
Lims ID:	360-24499-A-18-A	Client ID:	OC-SB-434-15/16-XXX
Inject. Date:	26-Sep-2009 06:17:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24499-a-18-a		
Misc. Info.:	360-0001300-031		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	30
Lims Batch ID:	49517	Lims Sample ID:	31
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:27:18	Calib Date:	25-Sep-2009 21:05:30
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:	28-Sep-2009 07:27:18

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
Pyridine	3.757	1032	0.0119	
1,2-Diphenylhydrazine	10.538	4885	0.0111	
Alpha-Terpineol	8.388	1465	0.0152	
Benzidine	12.298	636	0.6948	
Pentachloronitrobenzene	10.975	188	0.0944	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
98-83-9 .alpha.-Methylstyrene						
6.989	211218	0.2390	1	96	120636	
149-57-5 Hexanoic acid, 2-ethyl-						
7.816	464592	0.5258	1	87	26240	
99-98-9 1,4-Benzenediamine, N,N-dimethyl-						
9.235	757383	0.7755	3	96	122542	
128-37-0 Butylated Hydroxytoluene						
9.855	416927	0.4269	3	97	84224	
615-22-5 Benzothiazole, 2-(methylthio)-						
10.413	636246	0.6515	3	99	77800	
112-61-8 Octadecanoic acid, methyl ester						
12.077	216763	0.2165	4	94	115469	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
24468-13-1 dl-2-Ethylhexyl chloroformate						
13.721	340894	0.4880	5	92	17577	
7683-64-9 Squalene						
15.808	3355894	7.80	6	91	114263	
26603-23-6 p,p'-Dioctyldiphenylamine						
16.611	1640693	3.81	6	97	101420	

Quantitation Compounds

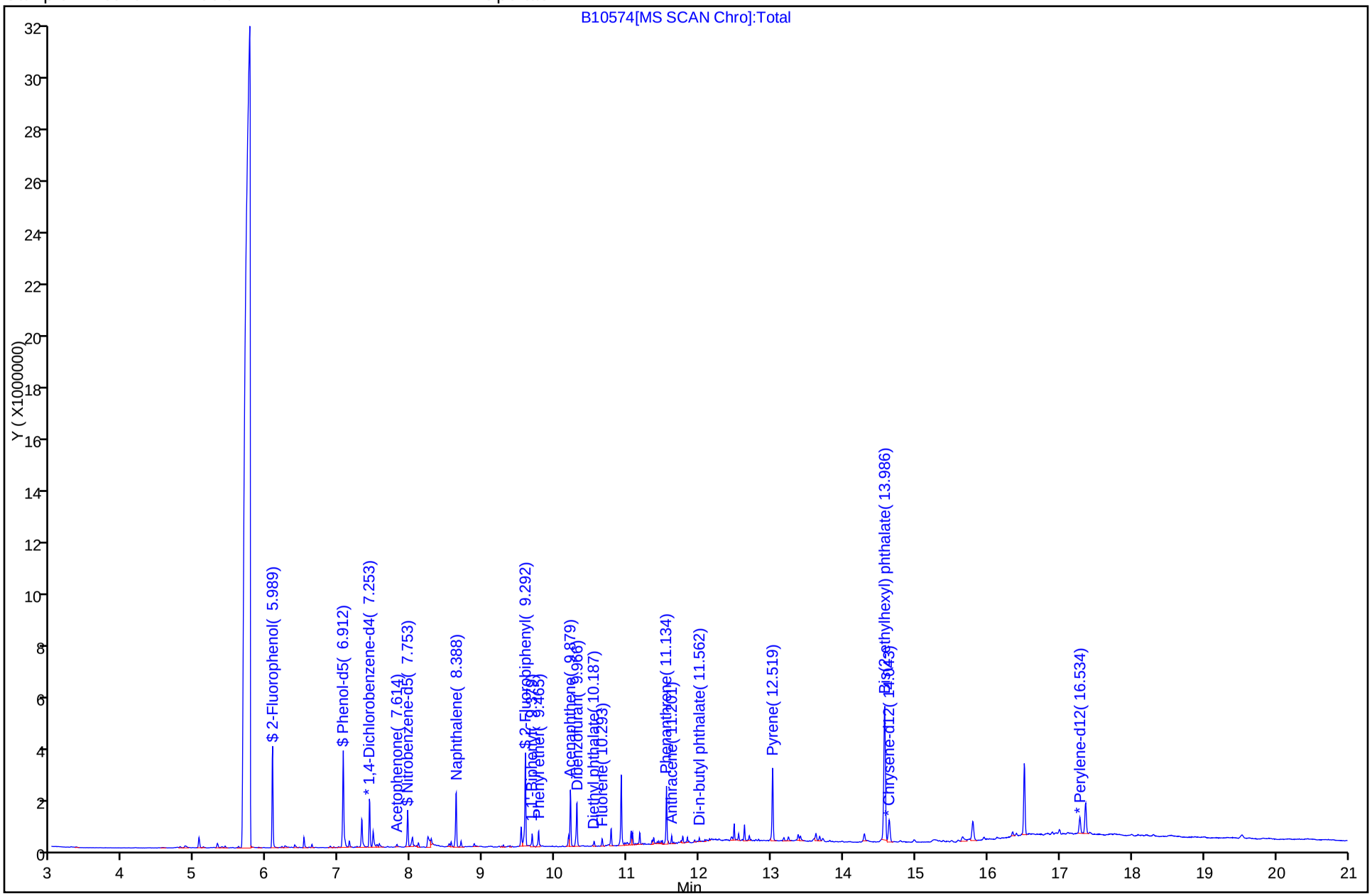
Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	7.253	1767245	2.00
* 3 Acenaphthene-d10	9.879	1953201	2.00
* 4 Phenanthrene-d10	11.134	2002837	2.00
* 5 Chrysene-d12	14.043	1397160	2.00
* 6 Perylene-d12	16.534	860330	2.00

QC Flag Legend

Processing Flags

Report Date: 28-Sep-2009 07:27:19 Chrom Revision: 1.1 20-Sep-2009 21:03:36

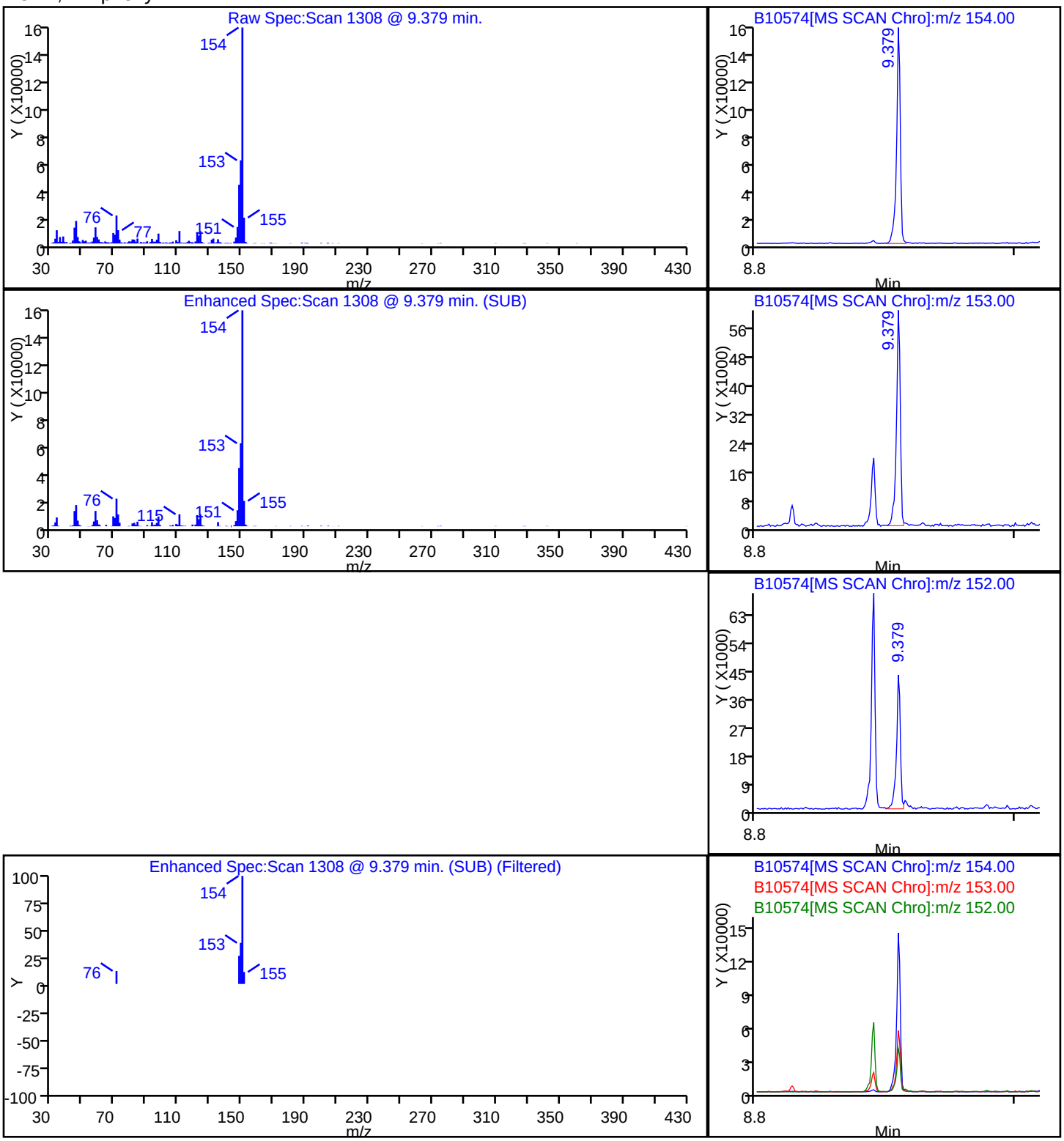
Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10574.D		
Inj Date:	26-Sep-2009 06:17:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49517	Lims Sample ID:	31
Client ID:	OC-SB-434-15/16-XXX	Instrument:	Inst. B
Sample Info:	360-24499-a-18-a		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 28-Sep-2009 07:27:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10574.D		
Inj Date:	26-Sep-2009 06:17:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49517	Lims Sample ID:	31
Client ID:	OC-SB-434-15/16-XXX	Instrument:	Inst. B
Sample Info:	360-24499-a-18-a		
Sample Amount:	1.00 ul	Operator:	MZ

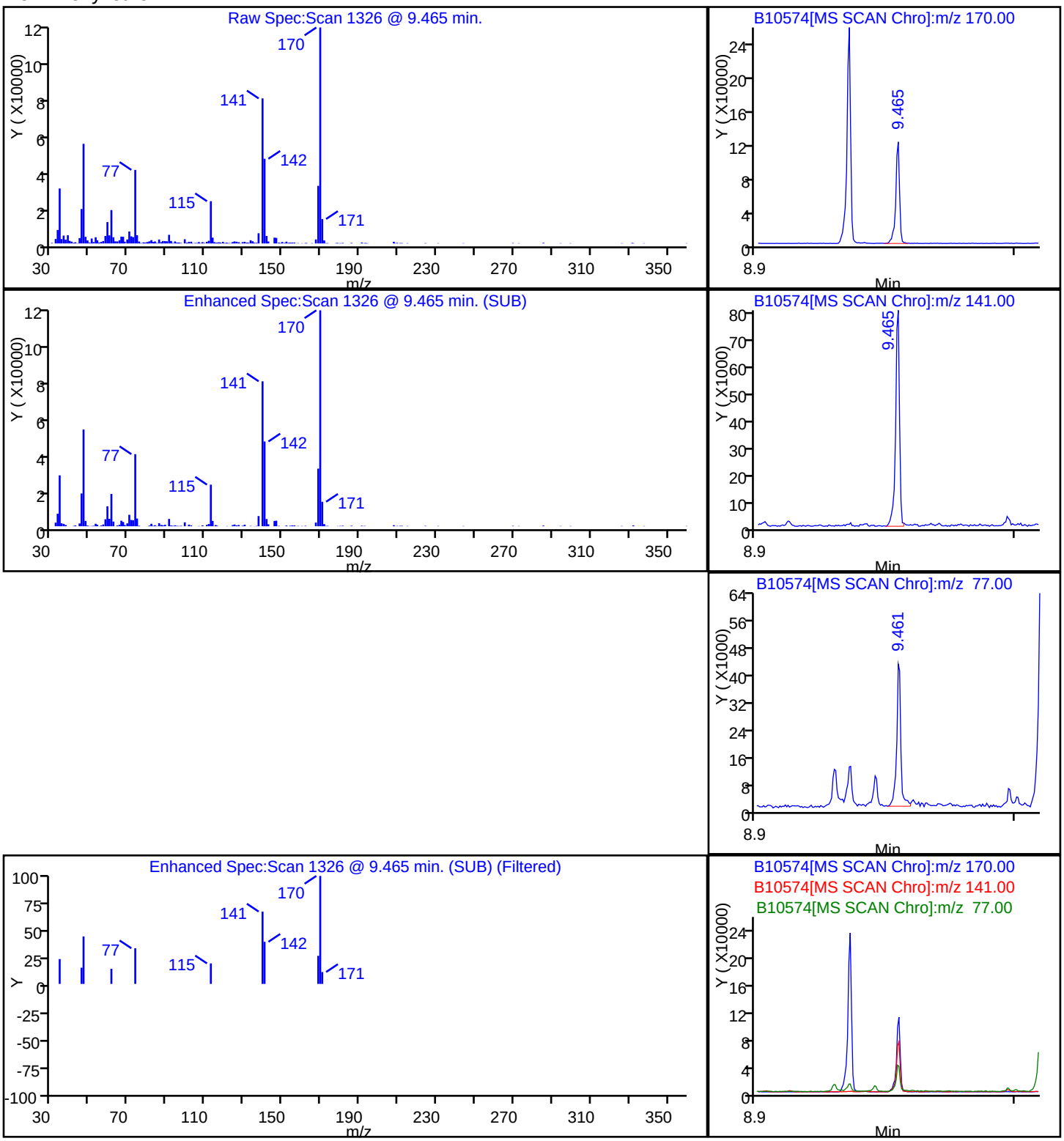
52 1,1'-Biphenyl



Report Date: 28-Sep-2009 07:27:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10574.D		
Inj Date:	26-Sep-2009 06:17:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49517	Lims Sample ID:	31
Client ID:	OC-SB-434-15/16-XXX	Instrument:	Inst. B
Sample Info:	360-24499-a-18-a		
Sample Amount:	1.00 ul	Operator:	MZ

54 Phenyl ether



Report Date: 28-Sep-2009 07:27:22 Chrom Revision: 1.1 20-Sep-2009 21:03:36

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Inj Date: 26-Sep-2009 06:17:30 Limit Group: SMS - 8270LL SVOA Calibration

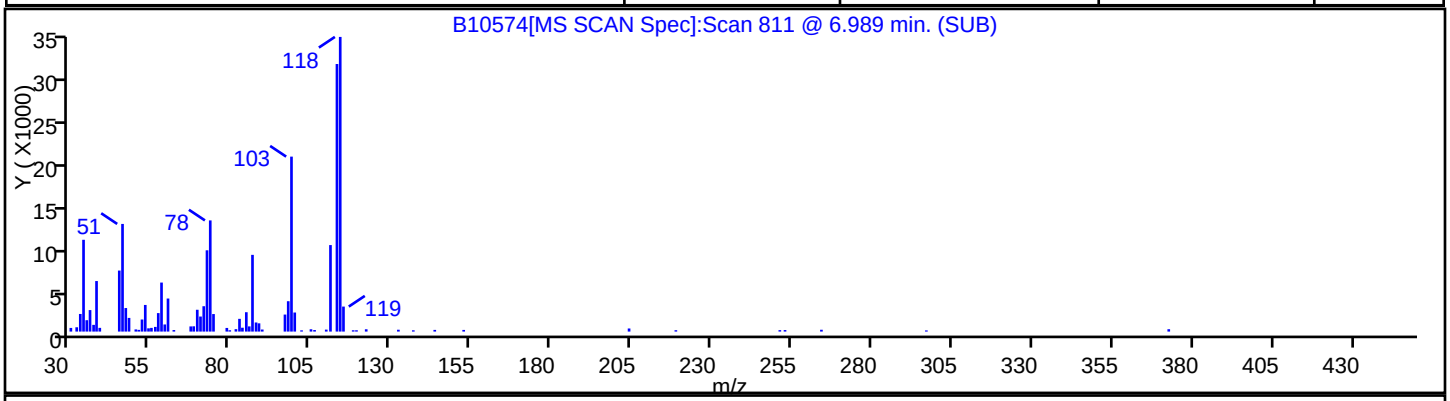
Lims Batch ID: 49517 Lims Sample ID: 31

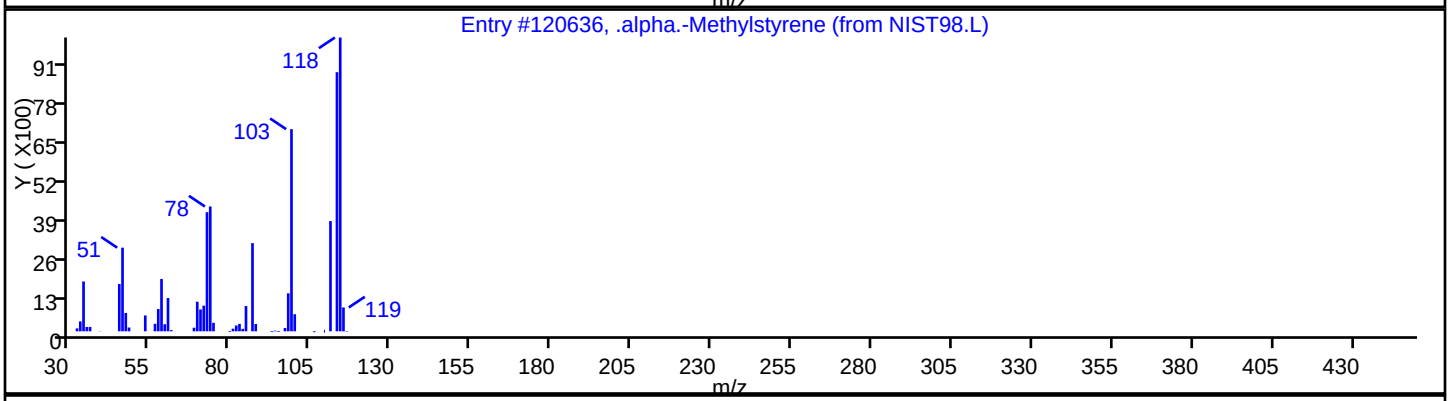
Client ID: OC-SB-434-15/16-XXX Instrument: Inst. B

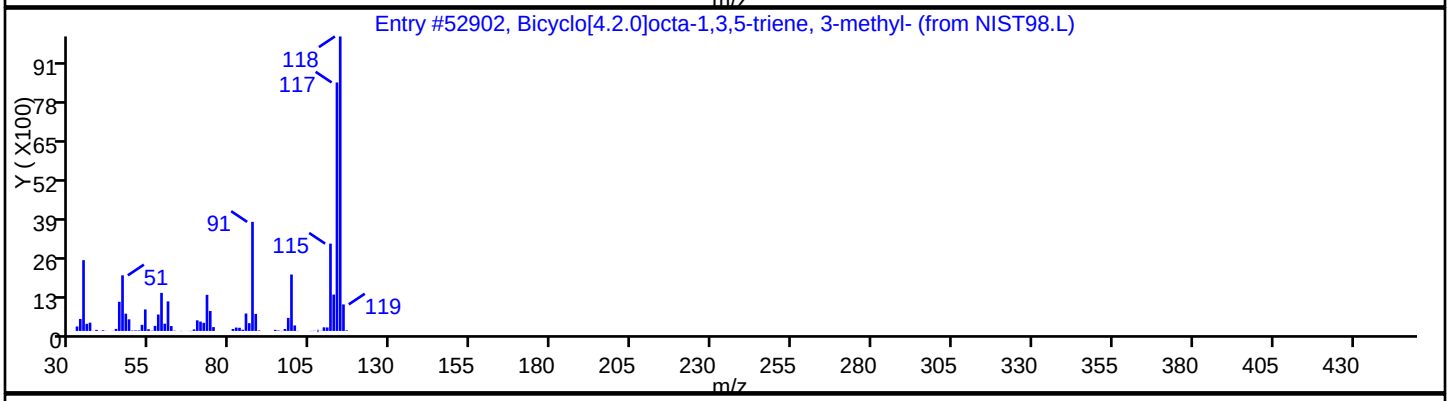
Sample Info: 360-24499-a-18-a

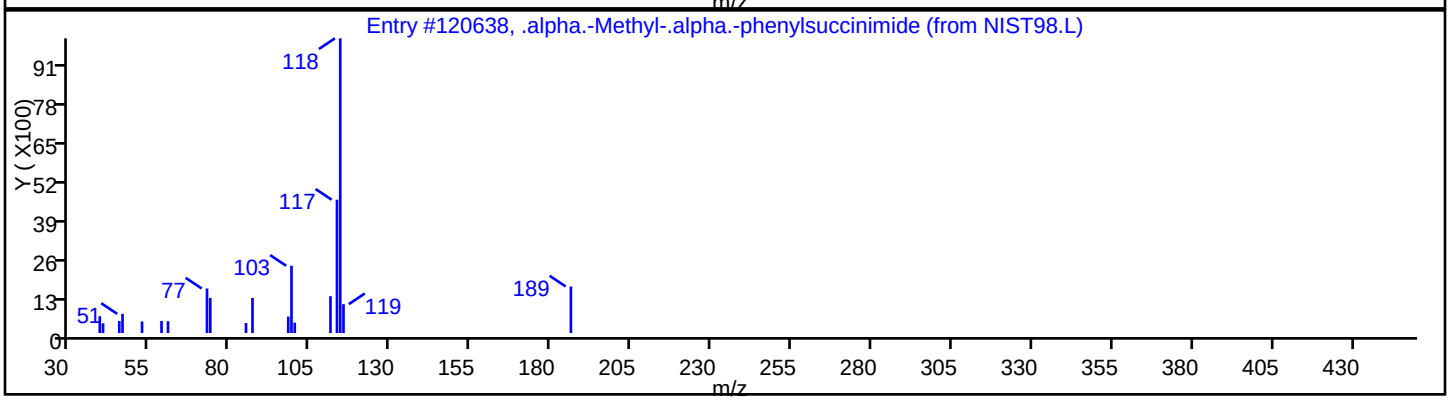
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
.alpha.-Methylstyrene	98-83-9	NIST98.L	120636	96
Bicyclo[4.2.0]octa-1,3,5-triene, 3-methy	22250-74-4	NIST98.L	52902	52
.alpha.-Methyl-.alpha.-phenylsuccinimide	1497-17-2	NIST98.L	120638	50









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Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10574.D

Inj Date: 26-Sep-2009 06:17:30 Limit Group: SMS - 8270LL SVOA Calibration

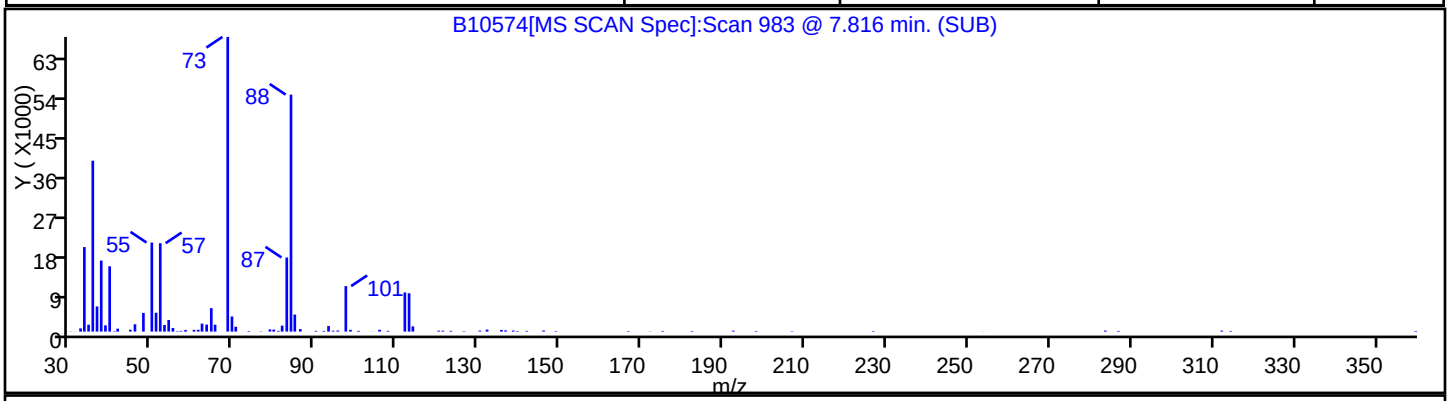
Lims Batch ID: 49517 Lims Sample ID: 31

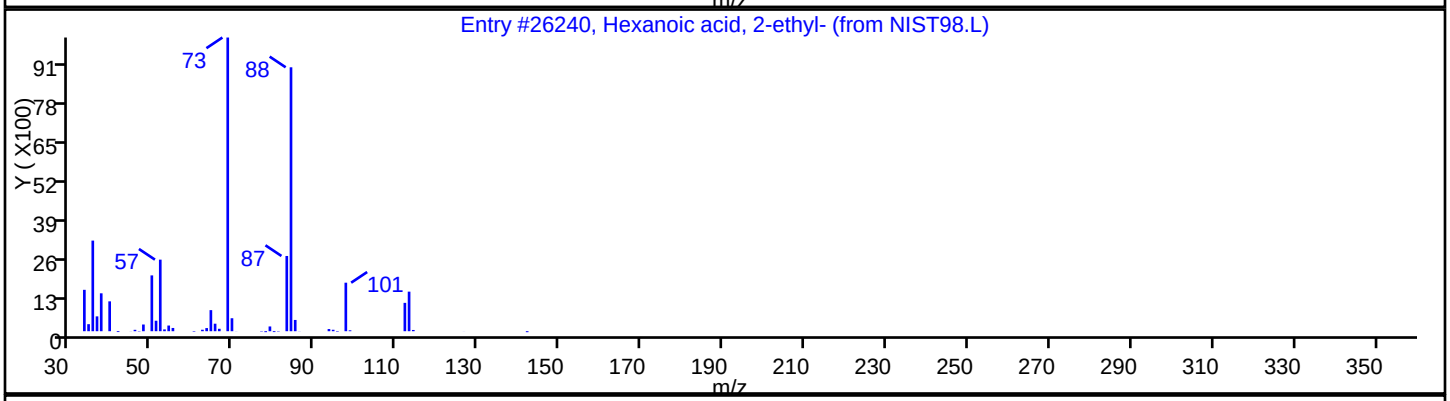
Client ID: OC-SB-434-15/16-XXX Instrument: Inst. B

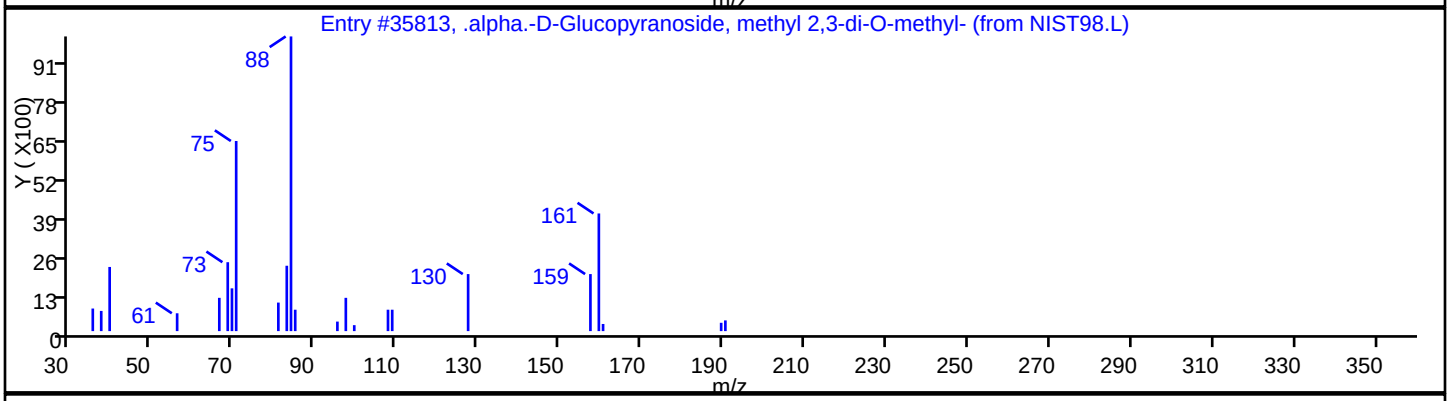
Sample Info: 360-24499-a-18-a

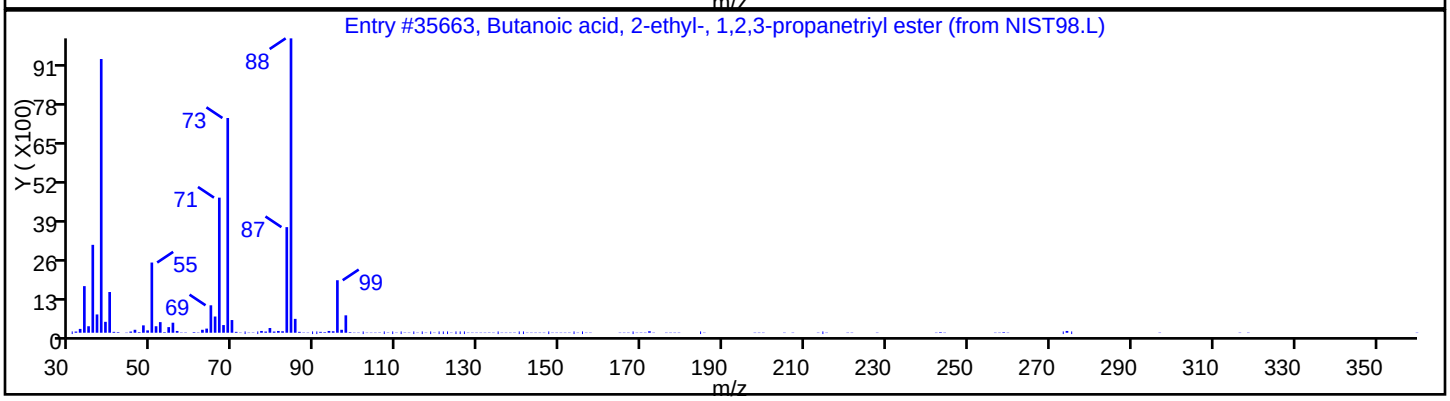
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexanoic acid, 2-ethyl-	149-57-5	NIST98.L	26240	87
.alpha.-D-Glucopyranoside, methyl 2,3-di	14048-30-7	NIST98.L	35813	56
Butanoic acid, 2-ethyl-, 1,2,3-propanetr	56554-54-2	NIST98.L	35663	50









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Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10574.D

Inj Date: 26-Sep-2009 06:17:30 Limit Group: SMS - 8270LL SVOA Calibration

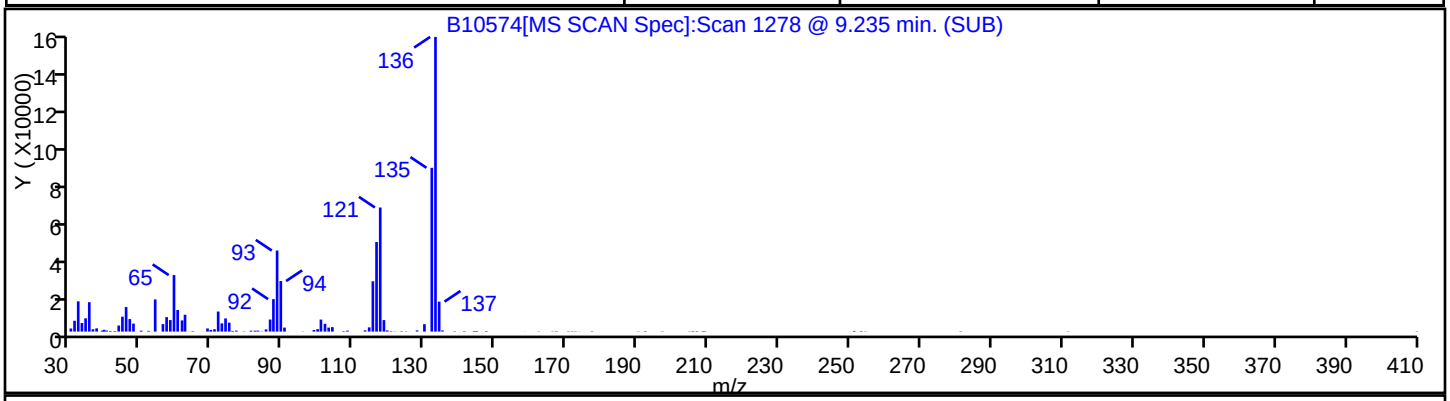
Lims Batch ID: 49517 Lims Sample ID: 31

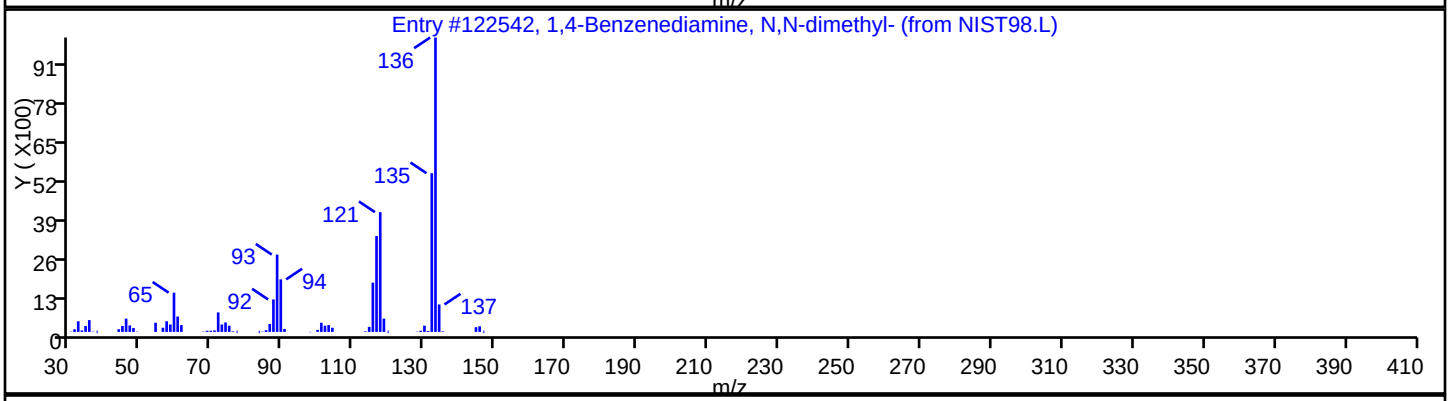
Client ID: OC-SB-434-15/16-XXX Instrument: Inst. B

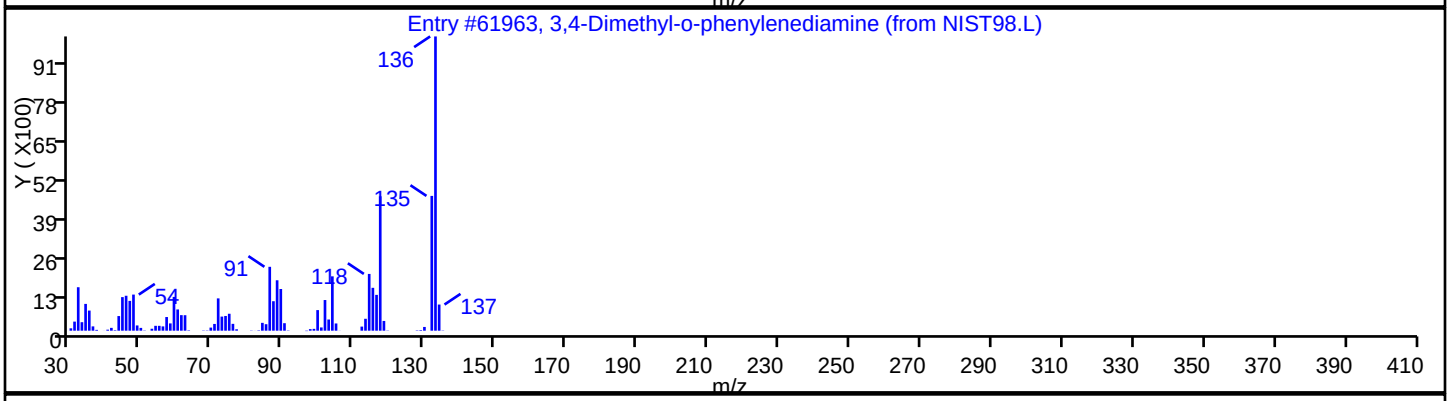
Sample Info: 360-24499-a-18-a

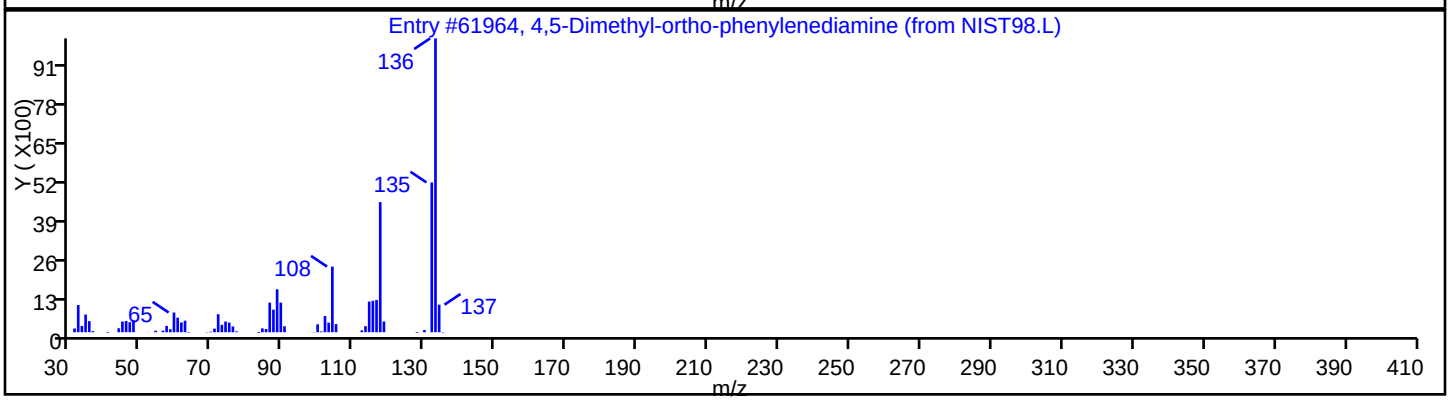
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1,4-Benzenediamine, N,N-dimethyl-	99-98-9	NIST98.L	122542	96
3,4-Dimethyl-o-phenylenediamine	41927-1-9	NIST98.L	61963	76
4,5-Dimethyl-ortho-phenylenediamine	3171-45-7	NIST98.L	61964	72









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Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10574.D

Inj Date: 26-Sep-2009 06:17:30 Limit Group: SMS - 8270LL SVOA Calibration

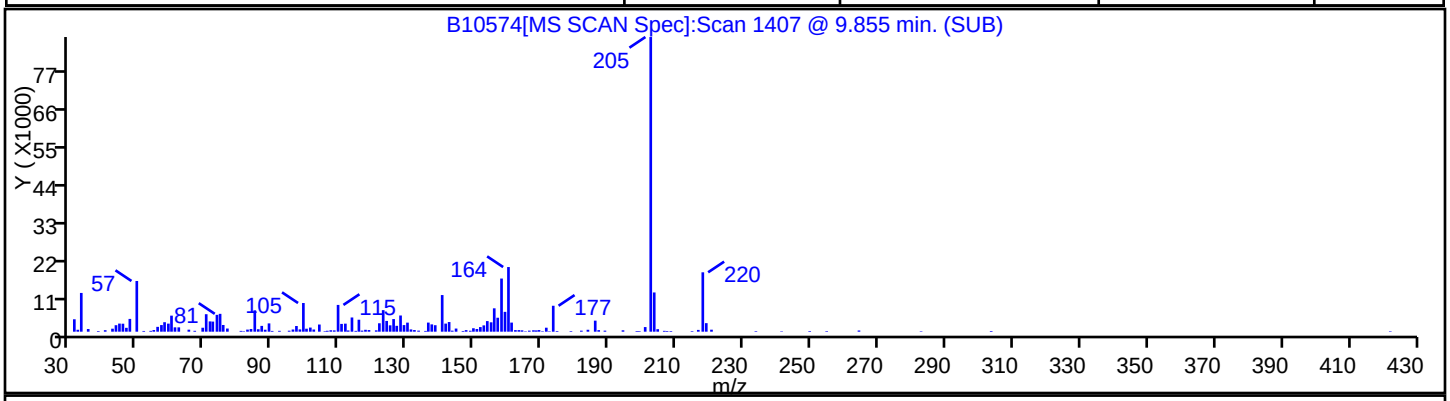
Lims Batch ID: 49517 Lims Sample ID: 31

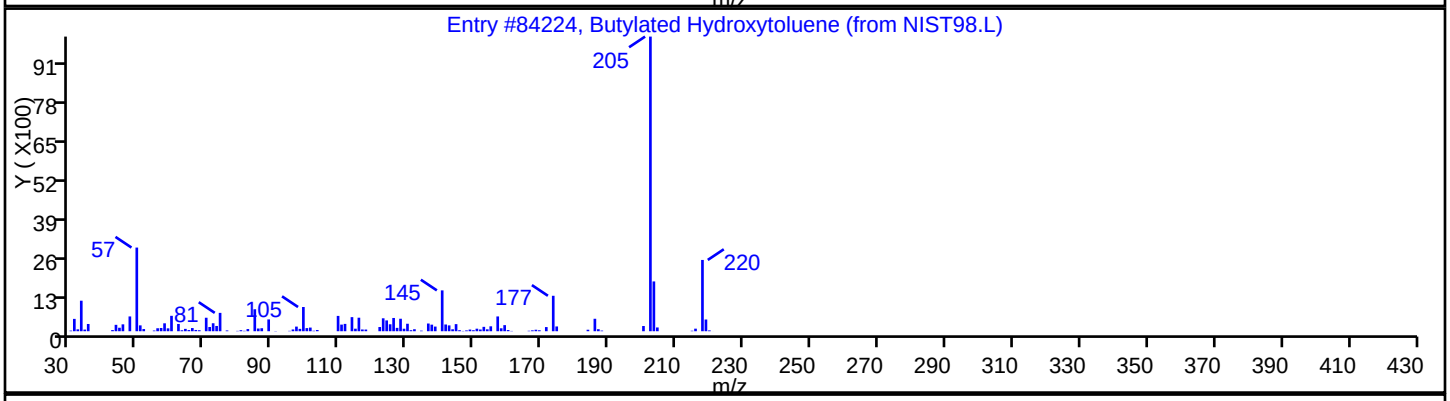
Client ID: OC-SB-434-15/16-XXX Instrument: Inst. B

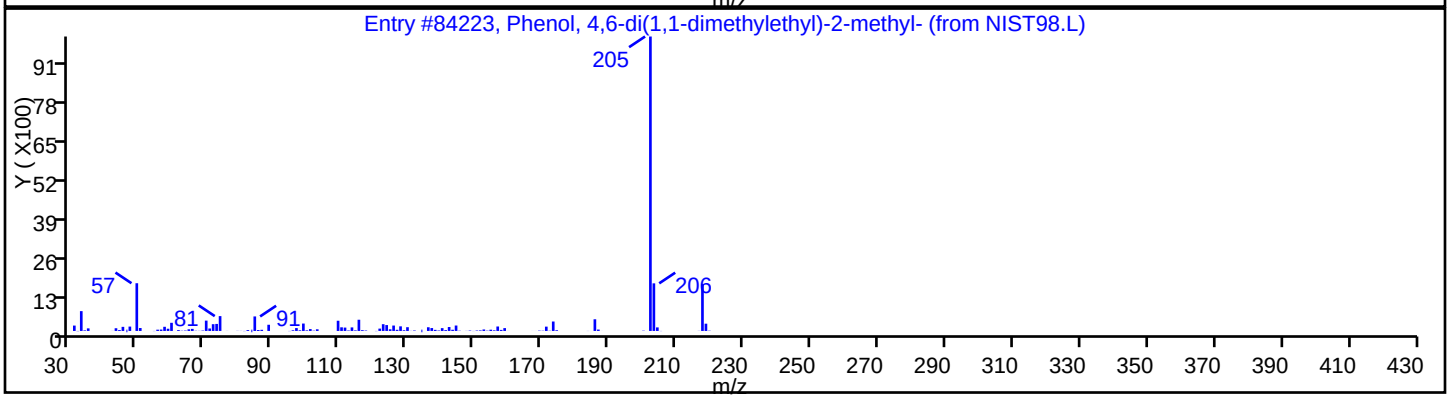
Sample Info: 360-24499-a-18-a

Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Butylated Hydroxytoluene	128-37-0	NIST98.L	84224	97
Phenol, 4,6-di(1,1-dimethylethyl)-2-meth	616-55-7	NIST98.L	84223	50







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Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10574.D

Inj Date: 26-Sep-2009 06:17:30 Limit Group: SMS - 8270LL SVOA Calibration

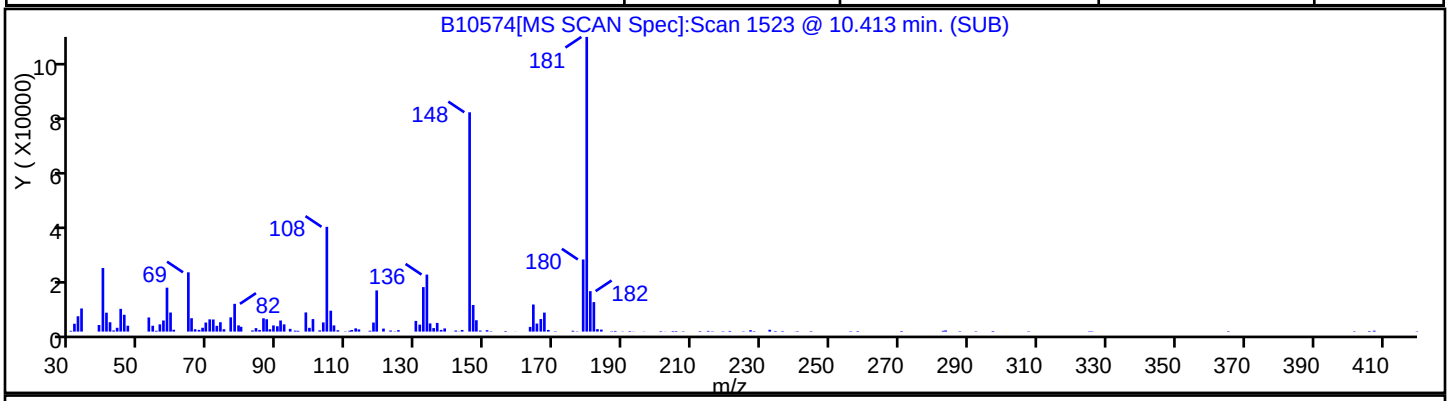
Lims Batch ID: 49517 Lims Sample ID: 31

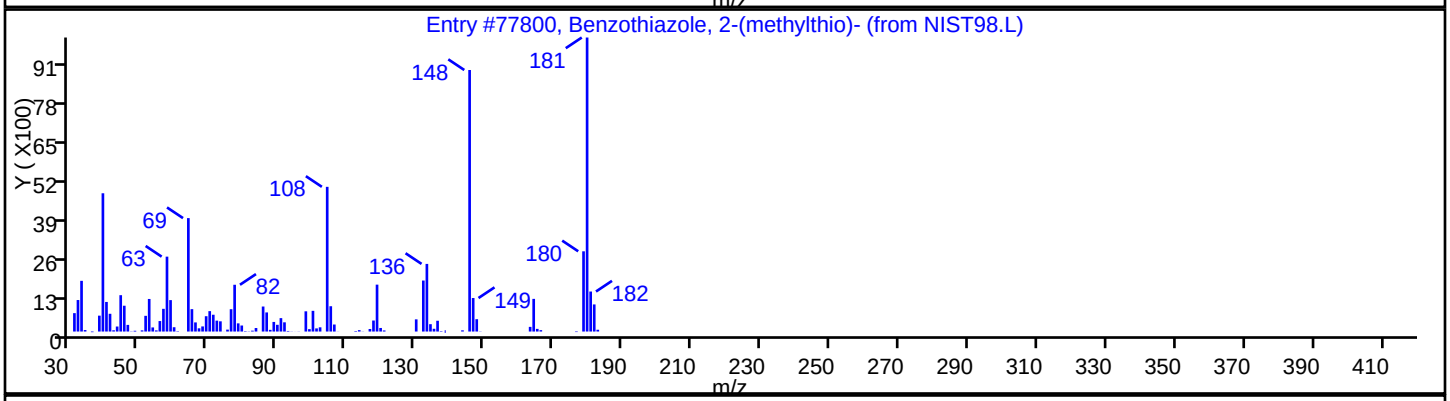
Client ID: OC-SB-434-15/16-XXX Instrument: Inst. B

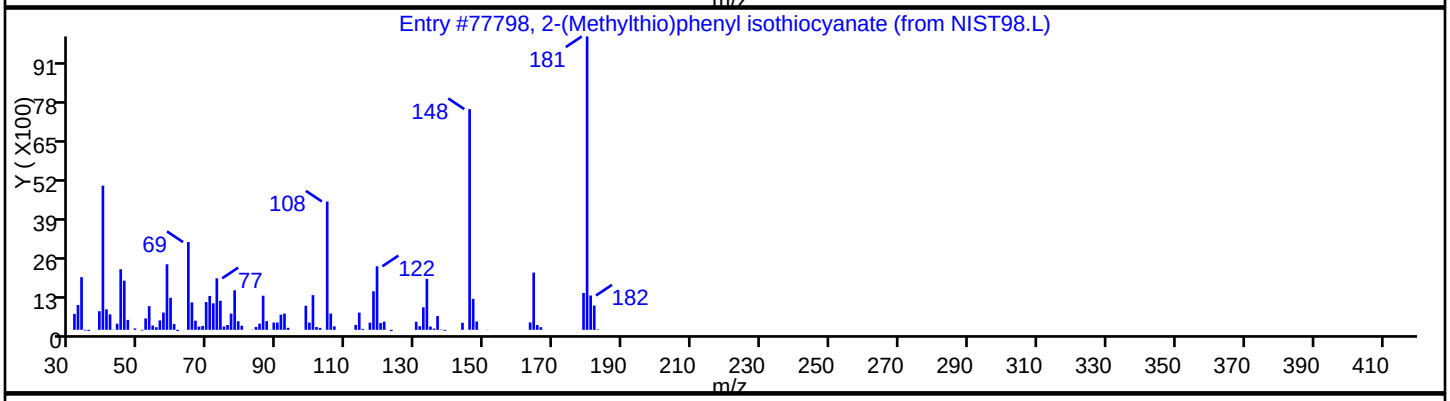
Sample Info: 360-24499-a-18-a

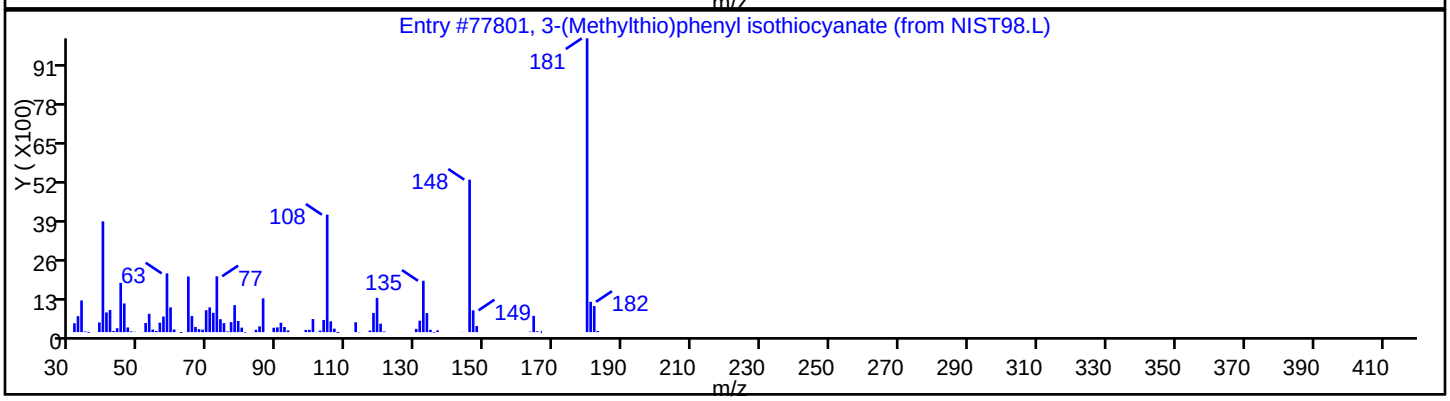
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzothiazole, 2-(methylthio)-	615-22-5	NIST98.L	77800	99
2-(Methylthio)phenyl isothiocyanate	51333-75-6	NIST98.L	77798	83
3-(Methylthio)phenyl isothiocyanate	51333-80-3	NIST98.L	77801	70









Report Date: 28-Sep-2009 07:27:22 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10574.D

Inj Date: 26-Sep-2009 06:17:30 Limit Group: SMS - 8270LL SVOA Calibration

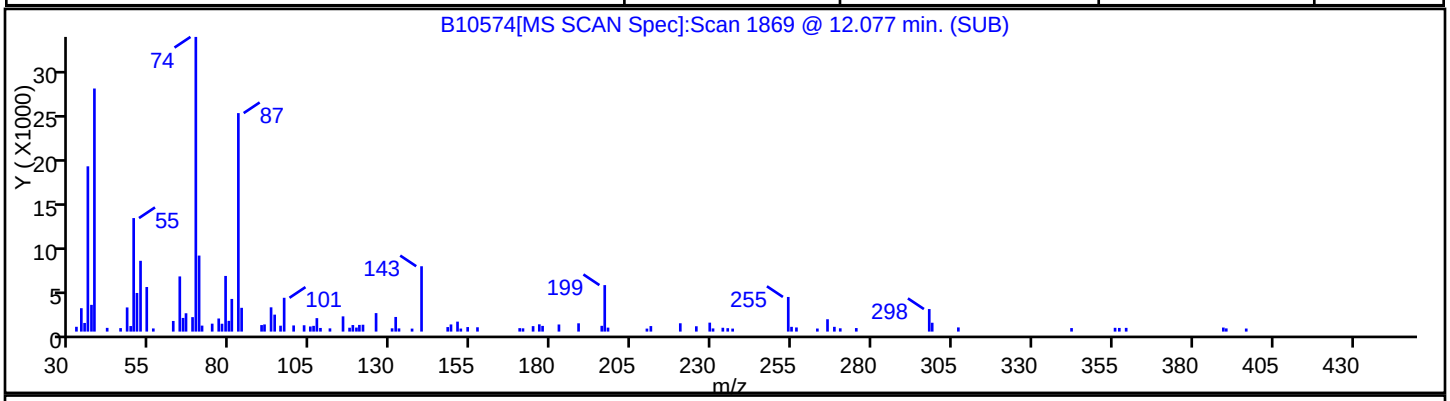
Lims Batch ID: 49517 Lims Sample ID: 31

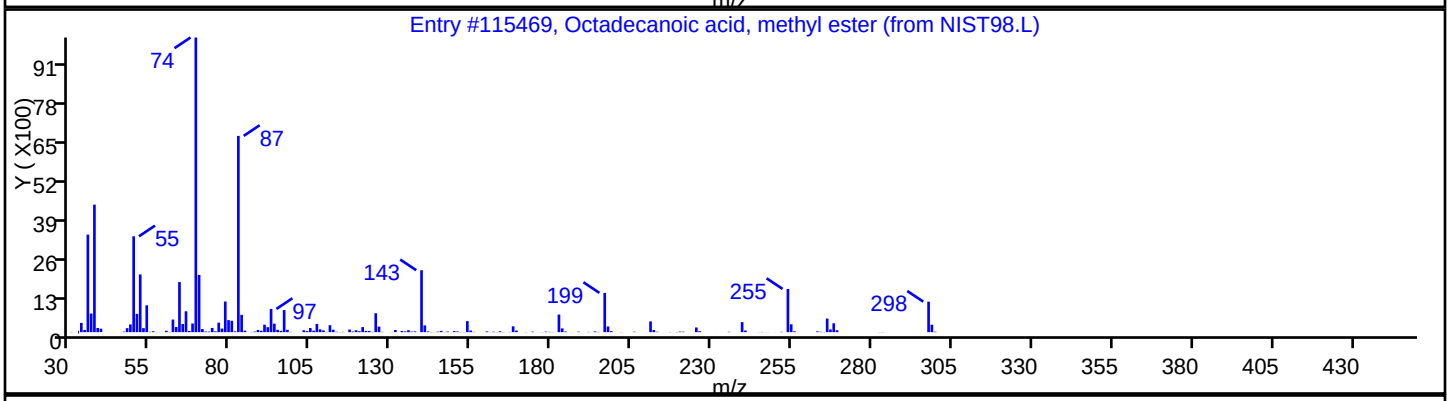
Client ID: OC-SB-434-15/16-XXX Instrument: Inst. B

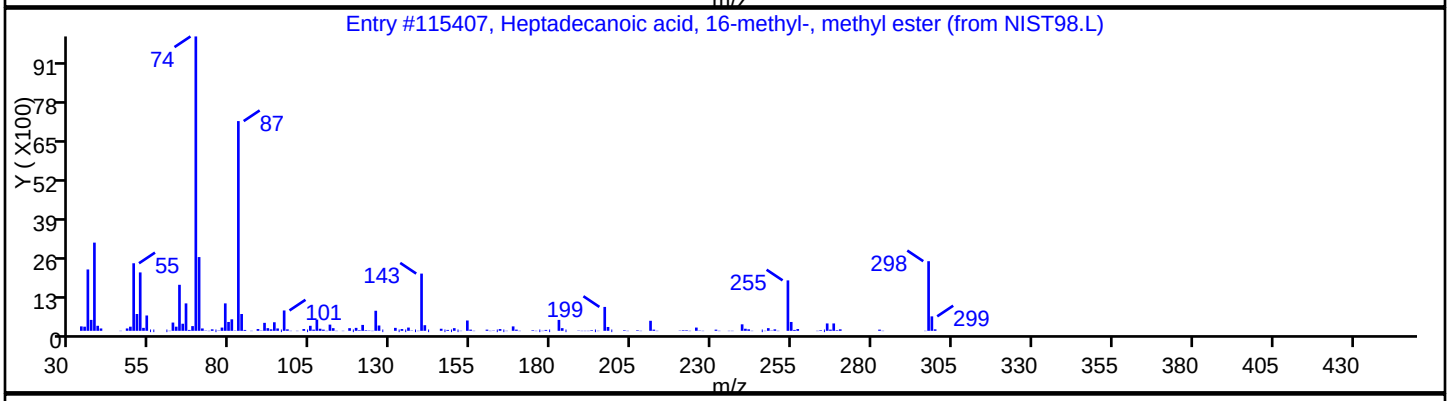
Sample Info: 360-24499-a-18-a

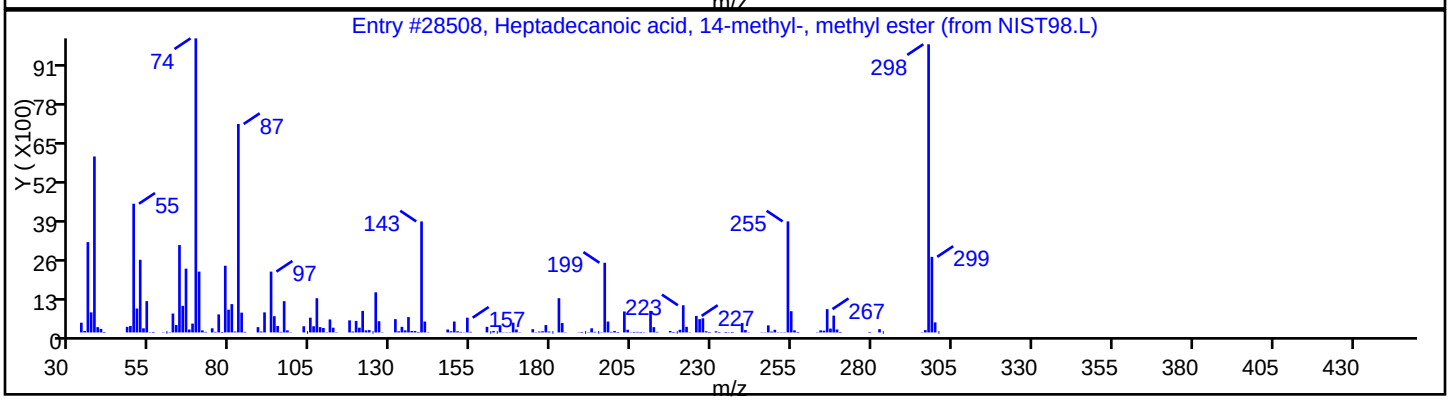
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecanoic acid, methyl ester	112-61-8	NIST98.L	115469	94
Heptadecanoic acid, 16-methyl-, methyl e	5129-61-3	NIST98.L	115407	91
Heptadecanoic acid, 14-methyl-, methyl e	2490-23-5	NIST98.L	28508	74









Report Date: 28-Sep-2009 07:27:22 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10574.D

Inj Date: 26-Sep-2009 06:17:30 Limit Group: SMS - 8270LL SVOA Calibration

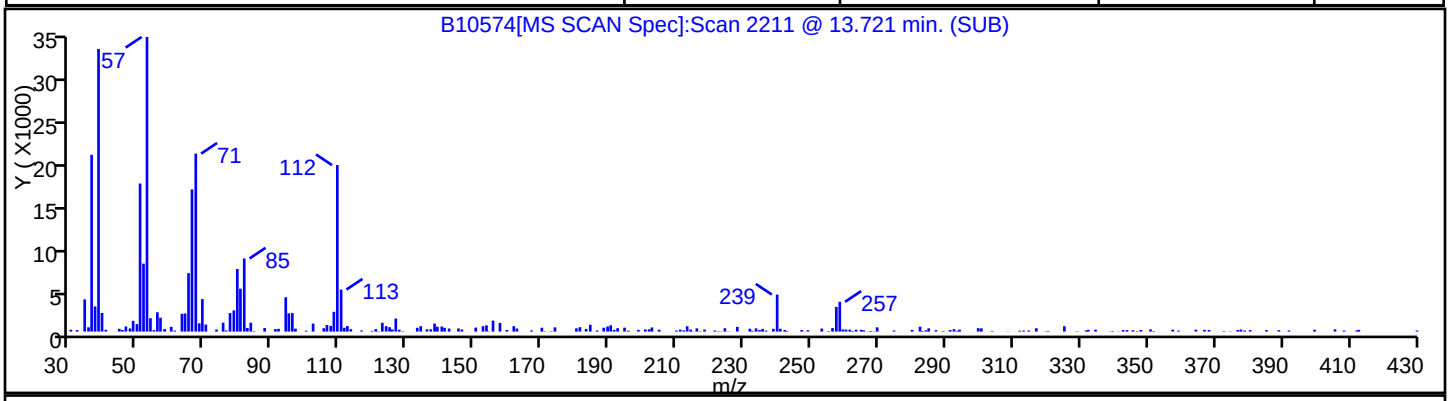
Lims Batch ID: 49517 Lims Sample ID: 31

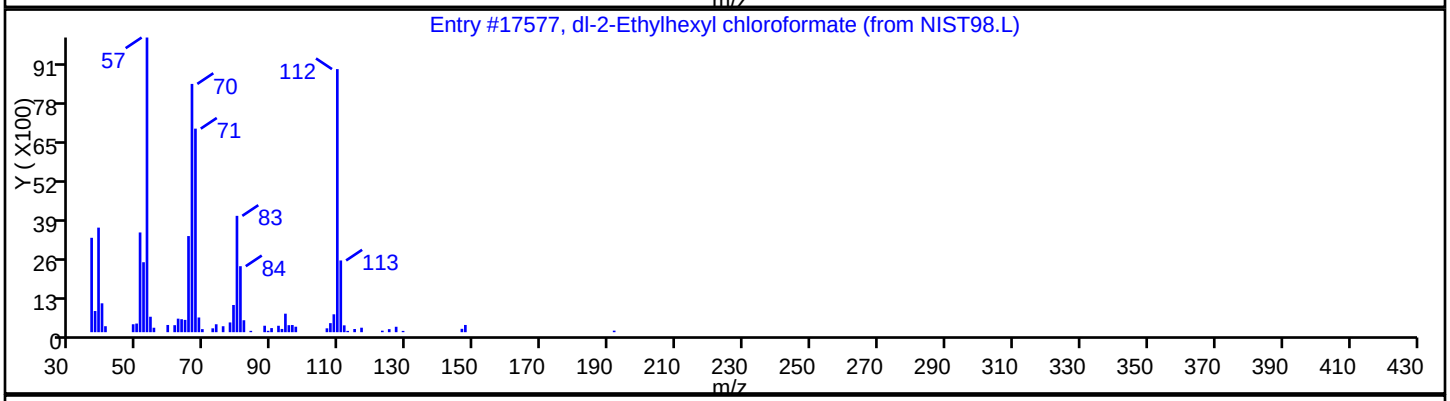
Client ID: OC-SB-434-15/16-XXX Instrument: Inst. B

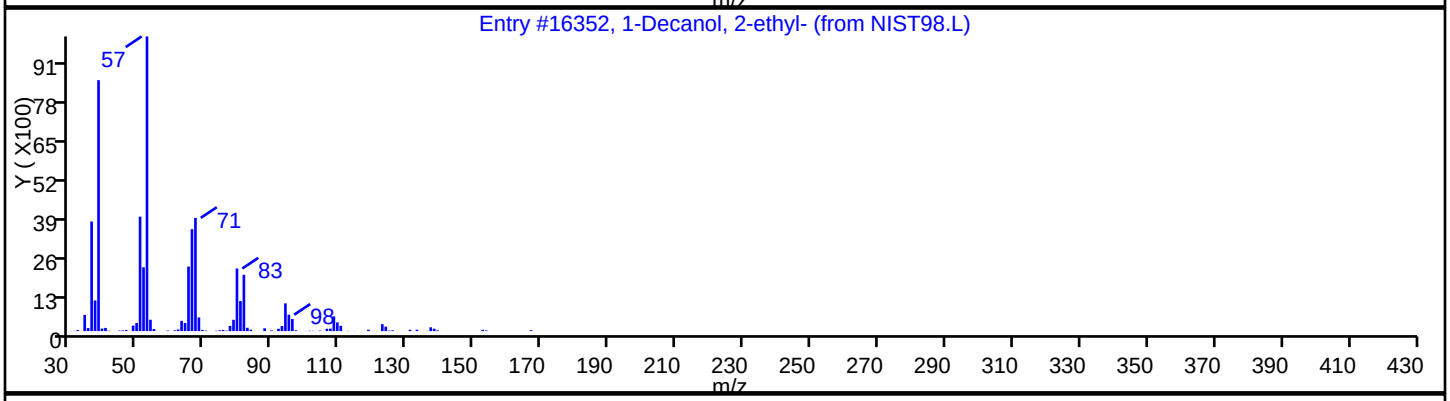
Sample Info: 360-24499-a-18-a

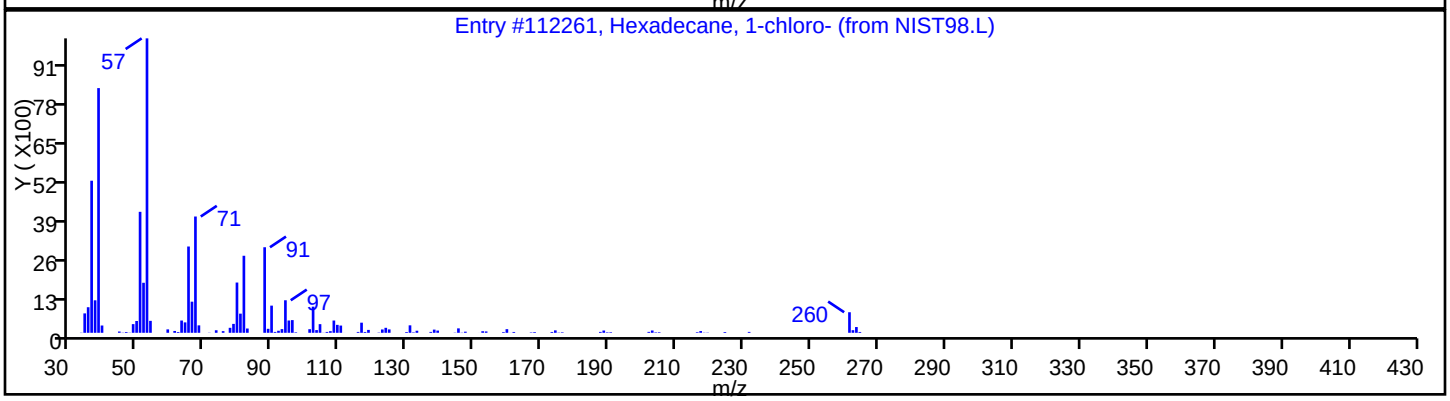
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
dl-2-Ethylhexyl chloroformate	24468-13-1	NIST98.L	17577	92
1-Decanol, 2-ethyl-	21078-65-9	NIST98.L	16352	52
Hexadecane, 1-chloro-	4860-3-1	NIST98.L	112261	50









Report Date: 28-Sep-2009 07:27:22 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10574.D

Inj Date: 26-Sep-2009 06:17:30 Limit Group: SMS - 8270LL SVOA Calibration

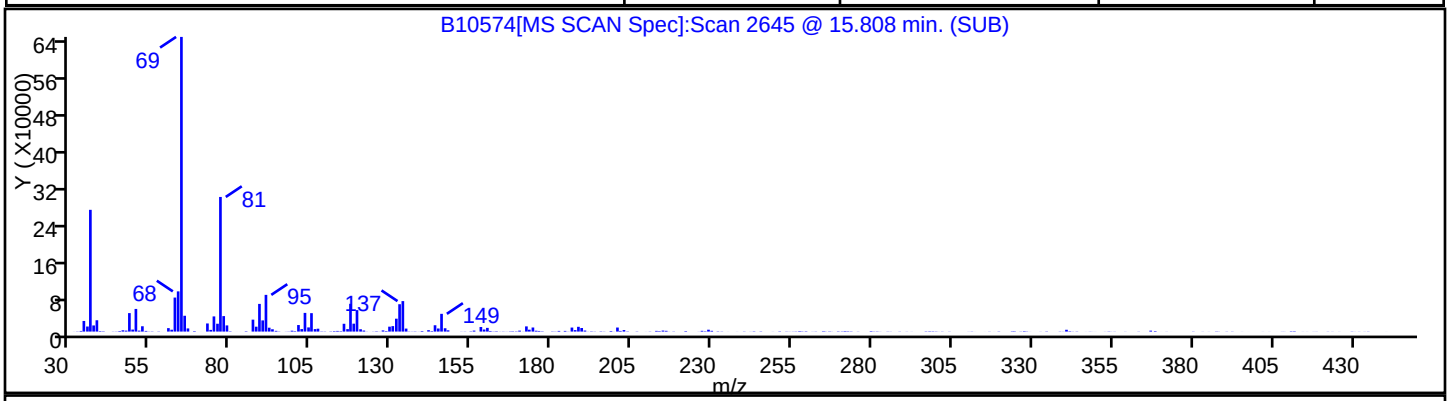
Lims Batch ID: 49517 Lims Sample ID: 31

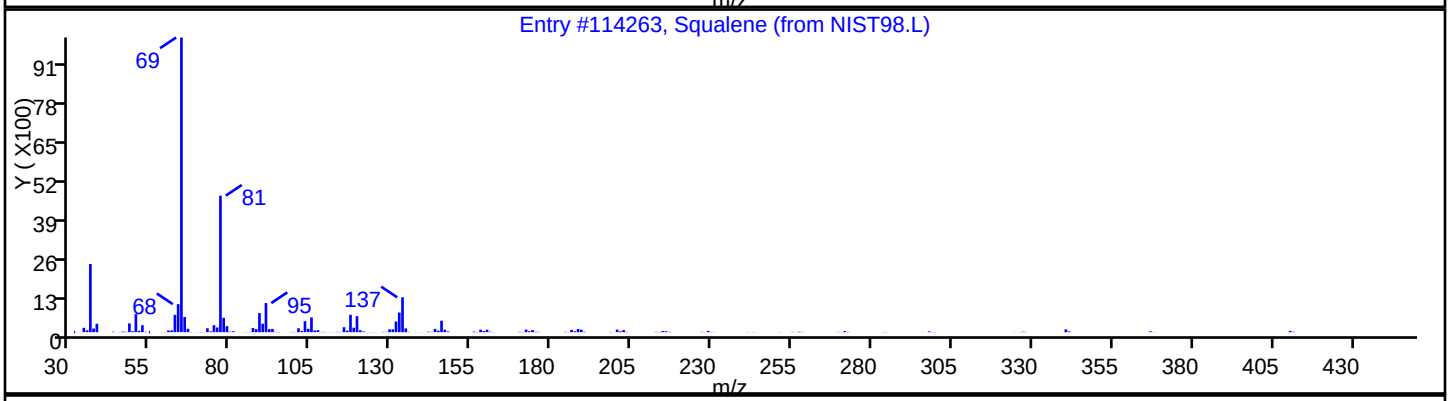
Client ID: OC-SB-434-15/16-XXX Instrument: Inst. B

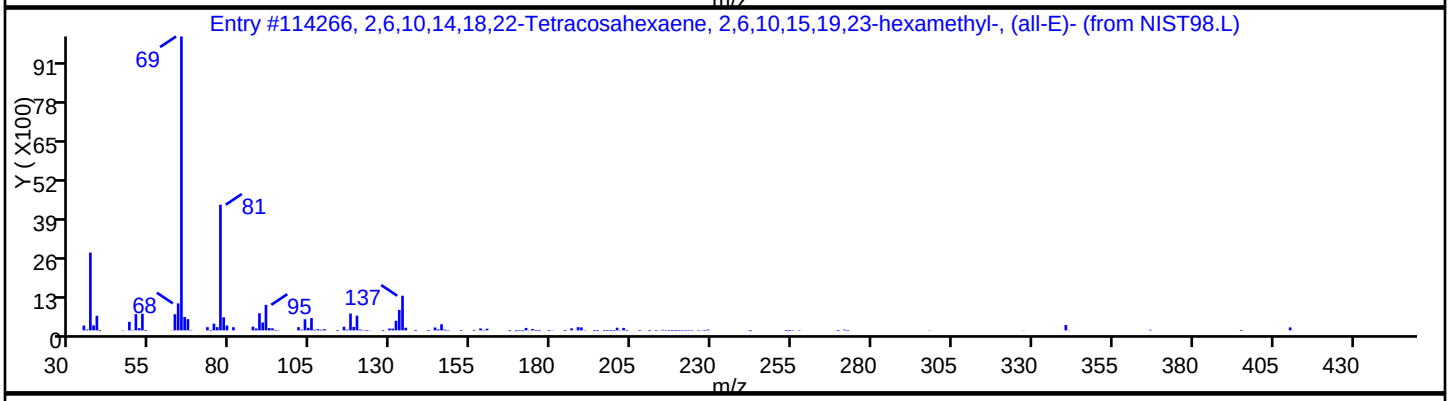
Sample Info: 360-24499-a-18-a

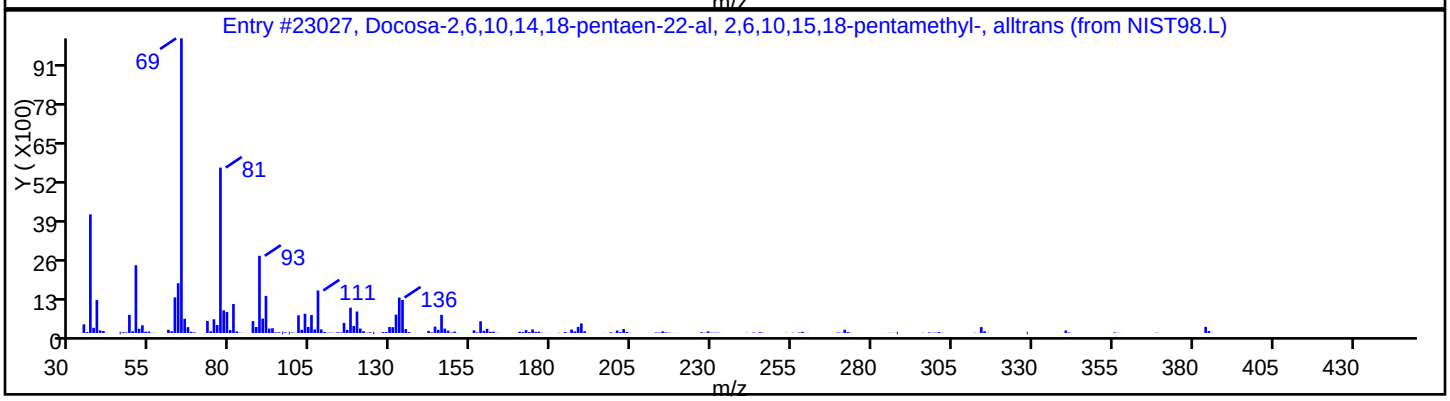
Sample Amount: 1.00 ul Operator: MZ

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
Docosa-2,6,10,14,18-pentaen-22-al, 2,6,1	1000163-4-7	NIST98.L	23027	83









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Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10574.D

Inj Date: 26-Sep-2009 06:17:30 Limit Group: SMS - 8270LL SVOA Calibration

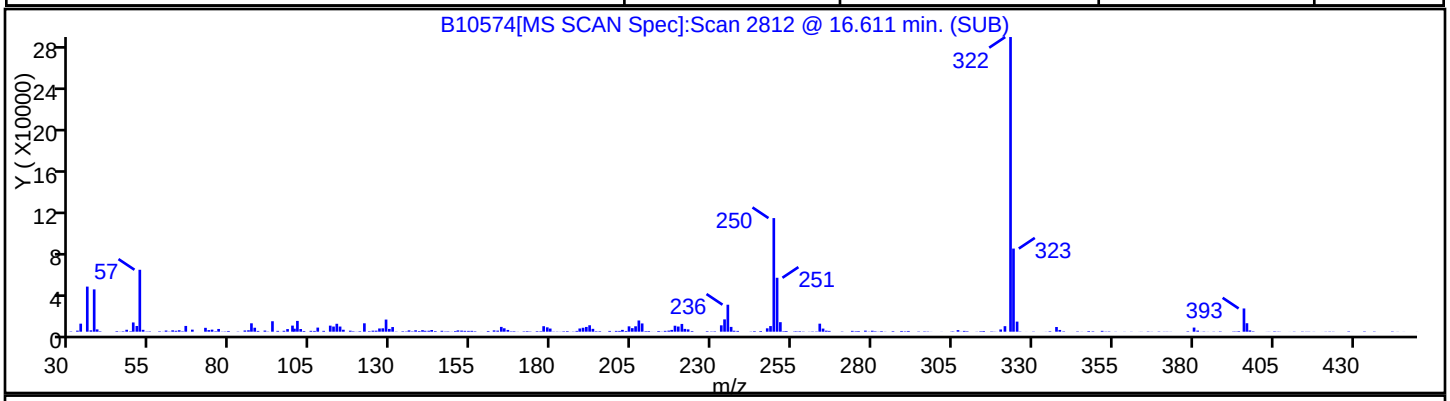
Lims Batch ID: 49517 Lims Sample ID: 31

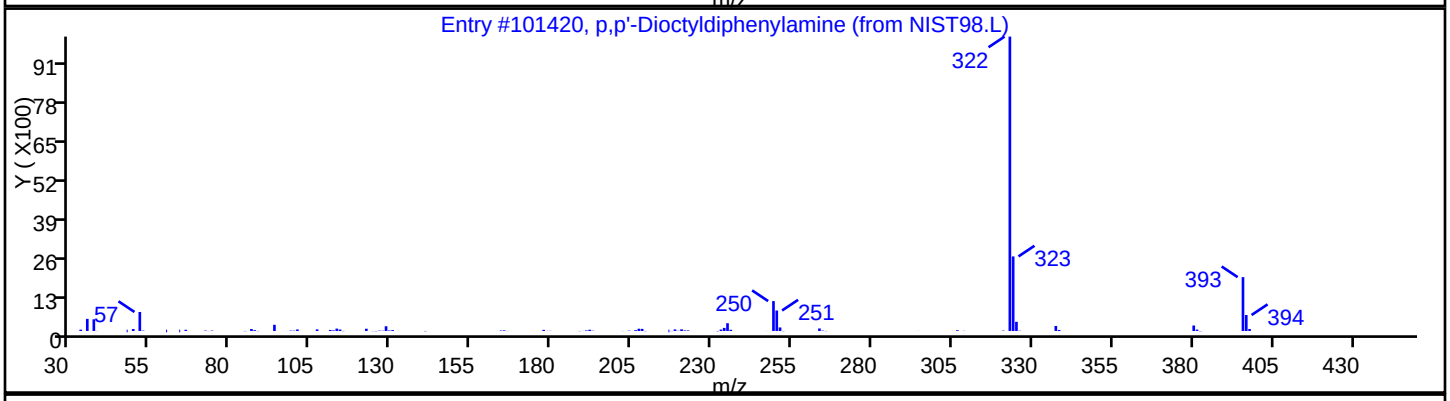
Client ID: OC-SB-434-15/16-XXX Instrument: Inst. B

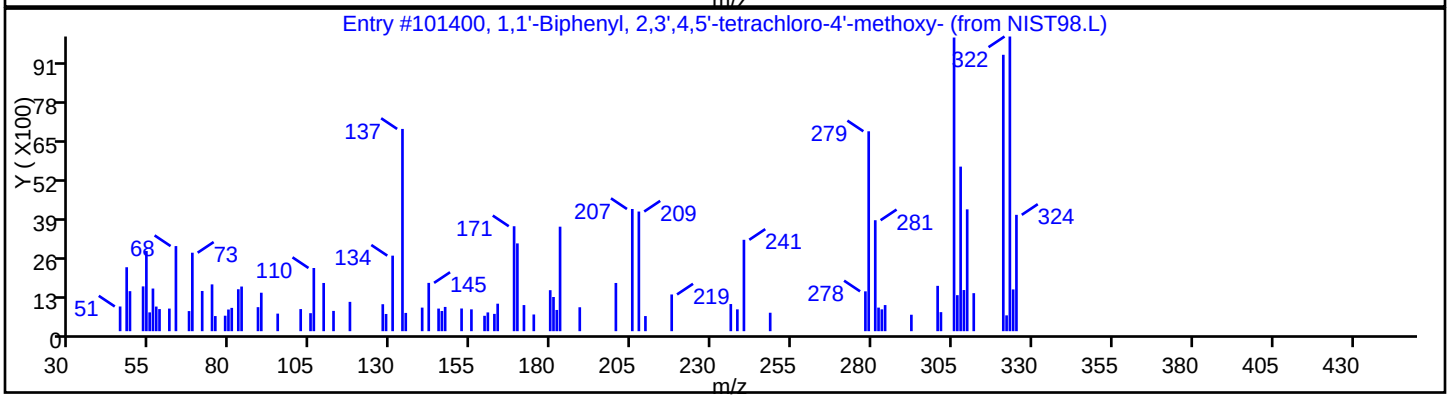
Sample Info: 360-24499-a-18-a

Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
p,p'-Dioctyldiphenylamine	26603-23-6	NIST98.L	101420	97
1,1'-Biphenyl, 2,3',4,5'-tetrachloro-4'-	74298-93-4	NIST98.L	101400	90







FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: OC-SB-450-33/35-XXX | Lab Sample ID: 360-24499-21

Matrix: Solid | Lab File ID: B10577.D

Analysis Method: 8270C LL | Date Collected: 09/09/2009 16:55

Extract. Method: 3546 | Date Extracted: 09/16/2009 15:13

Sample wt/vol: 30.68(g) | Date Analyzed: 09/26/2009 07:39

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

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

% Moisture: 9.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49517 | 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		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.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: OC-SB-450-33/35-XXX | Lab Sample ID: 360-24499-21

Matrix: Solid | Lab File ID: B10577.D

Analysis Method: 8270C LL | Date Collected: 09/09/2009 16:55

Extract. Method: 3546 | Date Extracted: 09/16/2009 15:13

Sample wt/vol: 30.68(g) | Date Analyzed: 09/26/2009 07:39

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

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

% Moisture: 9.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49517 | 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	340	B *	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		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.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: OC-SB-450-33/35-XXX | Lab Sample ID: 360-24499-21

Matrix: Solid | Lab File ID: B10577.D

Analysis Method: 8270C LL | Date Collected: 09/09/2009 16:55

Extract. Method: 3546 | Date Extracted: 09/16/2009 15:13

Sample wt/vol: 30.68(g) | Date Analyzed: 09/26/2009 07:39

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

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

% Moisture: 9.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49517 | 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	64	30-130	
321-60-8	2-Fluorobiphenyl	61	30-130	
367-12-4	2-Fluorophenol	75	30-130	
4165-60-0	Nitrobenzene-d5	66	30-130	
4165-62-2	Phenol-d5	70	30-130	
1718-51-0	Terphenyl-d14	81	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: OC-SB-450-33/35-XXX | Lab Sample ID: 360-24499-21

Matrix: Solid | Lab File ID: B10577.D

Analysis Method: 8270C LL | Date Collected: 09/09/2009 16:55

Extract. Method: 3546 | Date Extracted: 09/16/2009 15:13

Sample wt/vol: 30.68(g) | Date Analyzed: 09/26/2009 07:39

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

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

% Moisture: 9.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49517 | Units: ug/Kg

Number TICs Found: 9 | TIC Result Total: 404

CAS NO.	COMPOUND NAME	RT	RESULT	Q
128-37-0	Butylated Hydroxytoluene	9.85	17	T J N
615-22-5	Benzothiazole, 2-(methylthio)-	10.41	27	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	10.79	25	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	11.20	13	T J N
54833-48-6	Heptadecane, 2,6,10,15-tetramethyl-	13.72	16	T J N
112-95-8	Eicosane	14.37	18	T J N
629-97-0	Docosane	15.70	26	T J N
7683-64-9	Squalene	15.81	240	T J N
593-49-7	Heptacosane	16.18	22	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10577.D		
Lims ID:	360-24499-A-21-A	Client ID:	OC-SB-450-33/35-XXX
Inject. Date:	26-Sep-2009 07:39:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24499-a-21-a		
Misc. Info.:	360-0001300-034		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	33
Lims Batch ID:	49517	Lims Sample ID:	34
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:36:13	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:36:13

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	7.255	7.256	-0.001	366877	2.00	
* 2 Naphthalene-d8	136	8.385	8.386	-0.001	861915	2.00	
* 3 Acenaphthene-d10	164	9.881	9.881	0.000	412818	2.00	
* 4 Phenanthrene-d10	188	11.136	11.132	0.004	663057	2.00	
* 5 Chrysene-d12	240	14.045	14.041	0.004	414050	2.00	
* 6 Perylene-d12	264	16.536	16.532	0.004	258701	2.00	
$ 7 2-Fluorophenol	112	5.981	5.943	0.038	716418	7.50	
$ 8 Phenol-d5	99	6.914	6.895	0.019	845922	6.97	
$ 9 Nitrobenzene-d5	82	7.755	7.756	-0.001	382507	3.28	
$ 10 2-Fluorobiphenyl	172	9.289	9.290	-0.001	836468	3.06	
$ 11 2,4,6-Tribromophenol	330	10.544	10.545	-0.001	161227	6.38	
$ 12 Terphenyl-d14	244	12.521	12.517	0.004	651059	4.06	
30 Acetophenone	105	7.616	7.616	0.000	14072	0.0954	
41 Naphthalene	128	8.409	8.405	0.004	3385	0.0106	
54 Phenyl ether	170	9.467	9.463	0.004	2854	0.0215	
66 Diethyl phthalate	149	10.198	10.199	-0.001	3955	0.0151	
75 4-Bromophenyl phenyl ether	248	10.737	10.737	0.000	3236	0.0545	
84 Di-n-butyl phthalate	149	11.564	11.564	0.000	48632	0.1187	
92 Bis(2-ethylhexyl) phthalate	149	13.987	13.978	0.009	1846462	9.55	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10577.D		
Lims ID:	360-24499-A-21-A	Client ID:	OC-SB-450-33/35-XXX
Inject. Date:	26-Sep-2009 07:39:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24499-a-21-a		
Misc. Info.:	360-0001300-034		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	33
Lims Batch ID:	49517	Lims Sample ID:	34
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:36:13	Calib Date:	25-Sep-2009 21:05:30
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:	28-Sep-2009 07:36:13

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	8.385	1840	0.0207	
Pentachloronitrobenzene	10.967	152	0.0938	
Benzidine	12.266	537	0.6938	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
10574-37-5 2-Pentene, 2,3-dimethyl-						
5.014	291379	0.3618	1	90	32863	
98-83-9 .alpha.-Methylstyrene						
6.990	188373	0.2339	1	93	120637	
128-37-0 Butylated Hydroxytoluene						
9.852	449296	0.4837	3	97	126409	
27193-28-8 Phenol, (1,1,3,3-tetramethylbutyl)-						
10.294	339418	0.3654	3	86	61171	
615-22-5 Benzothiazole, 2-(methylthio)-						
10.410	713285	0.7679	3	99	77800	
3910-35-8 1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3						
10.785	614649	0.6946	4	89	126945	
22768-22-5 2,4-Diphenyl-4-methyl-2(E)-pentene						
11.203	330959	0.3740	4	94	64461	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
5129-60-2	Pentadecanoic acid, 14-methyl-, methyl e					
11.405	193183	0.2183	4	91	115451	
112-61-8	Octadecanoic acid, methyl ester					
12.078	226392	0.2558	4	94	115469	
593-45-3	Octadecane					
13.179	210854	0.3491	5	97	16439	
54833-48-6	Heptadecane, 2,6,10,15-tetramethyl-					
13.718	272288	0.4509	5	97	17067	
112-95-8	Eicosane					
14.372	300943	0.4983	5	98	112344	
629-97-0	Docosane					
15.704	271214	0.7368	6	93	109660	
7683-64-9	Squalene					
15.810	2441742	6.63	6	91	114263	
593-49-7	Heptacosane					
16.175	221593	0.6020	6	96	112354	

Quantitation Compounds

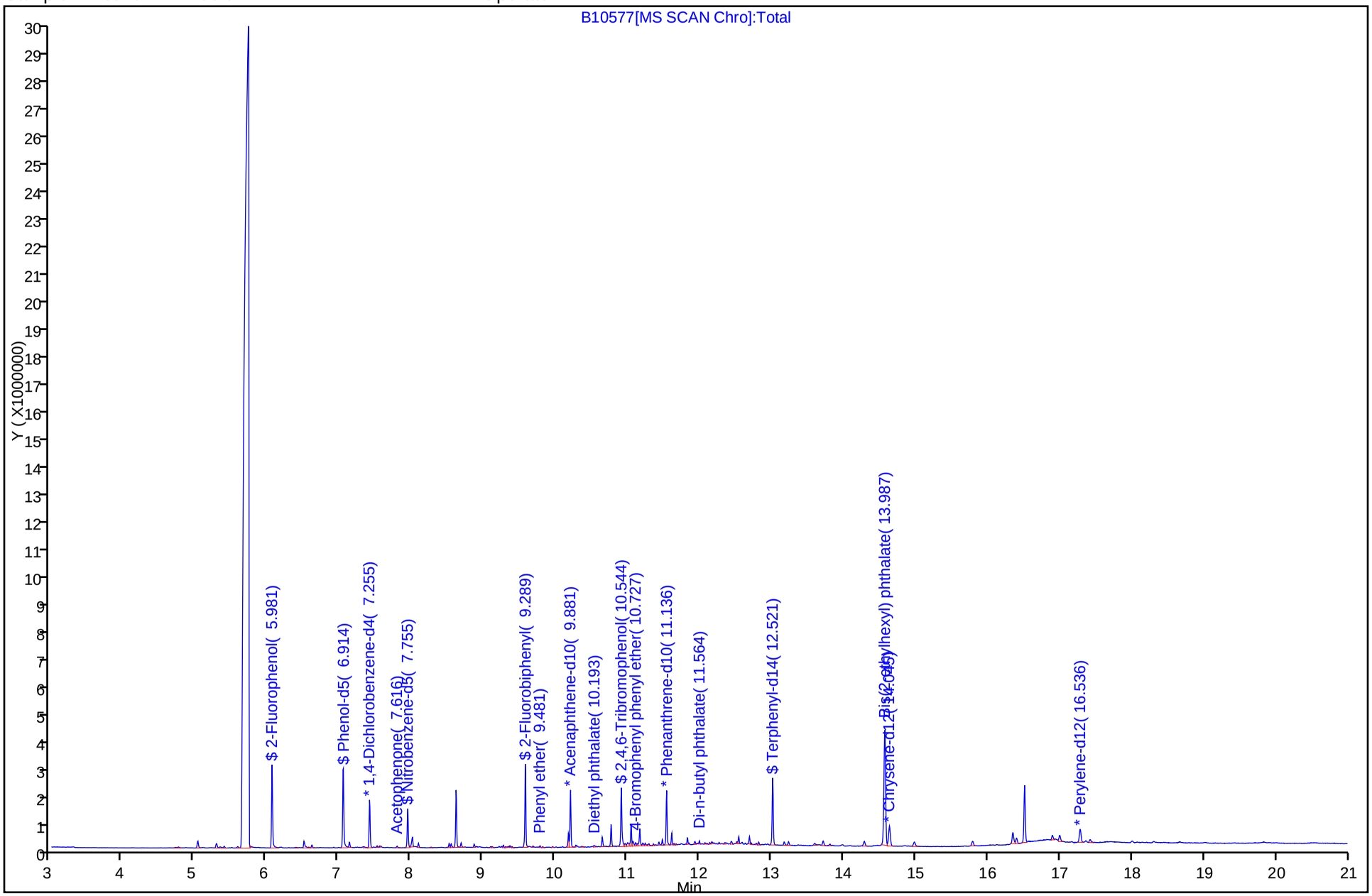
Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	7.255	1610841	2.00
* 3 Acenaphthene-d10	9.881	1857710	2.00
* 4 Phenanthrene-d10	11.136	1769757	2.00
* 5 Chrysene-d12	14.045	1207864	2.00
* 6 Perylene-d12	16.536	736156	2.00

QC Flag Legend

Processing Flags

Report Date: 28-Sep-2009 07:36:14 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10577.D		
Inj Date:	26-Sep-2009 07:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49517	Lims Sample ID:	34
Client ID:	OC-SB-450-33/35-XXX	Instrument:	Inst. B
Sample Info:	360-24499-a-21-a		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 28-Sep-2009 07:36:16 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10577.D

Inj Date: 26-Sep-2009 07:39:30 Limit Group: SMS - 8270LL SVOA Calibration

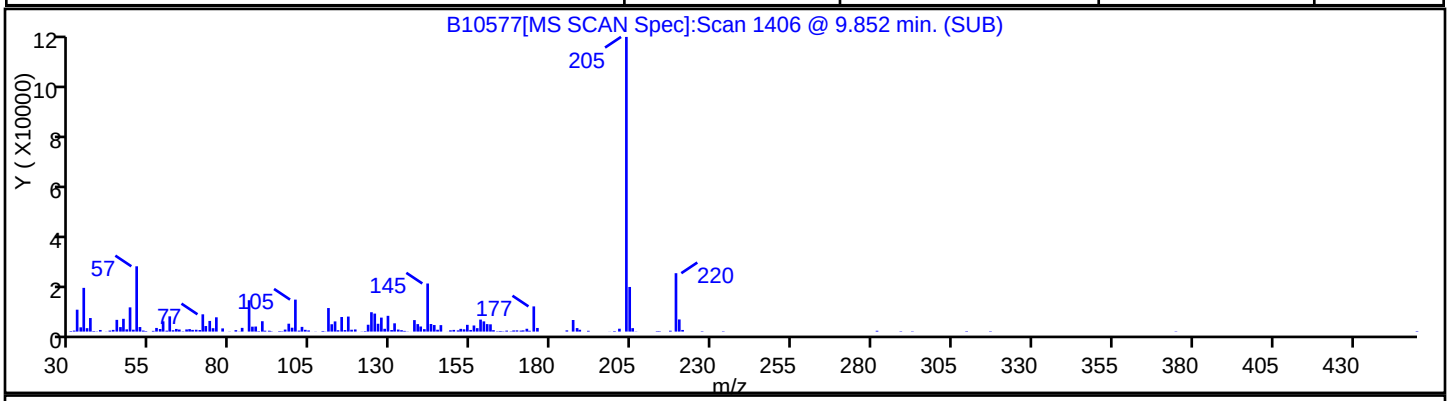
Lims Batch ID: 49517 Lims Sample ID: 34

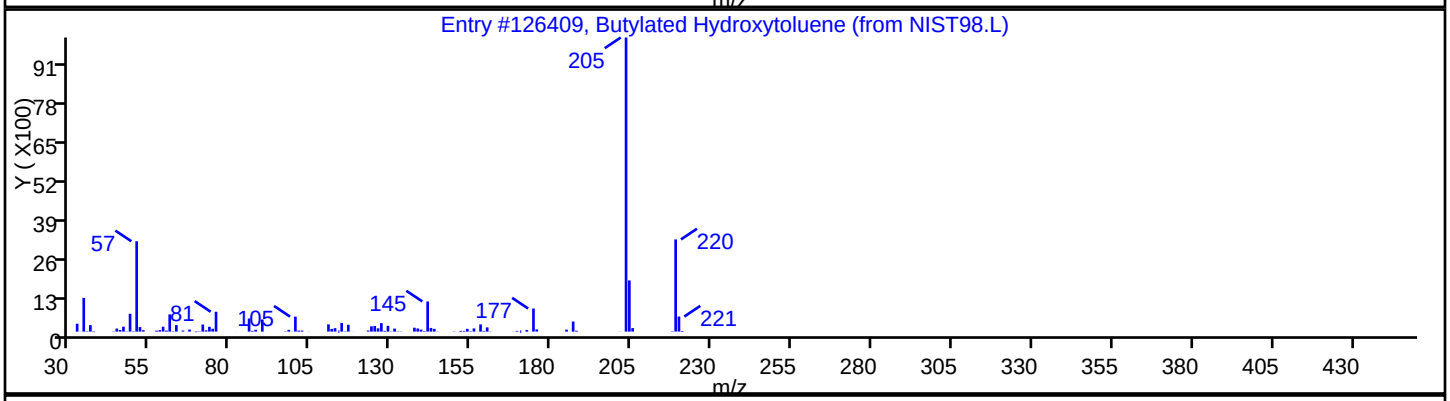
Client ID: OC-SB-450-33/35-XXX Instrument: Inst. B

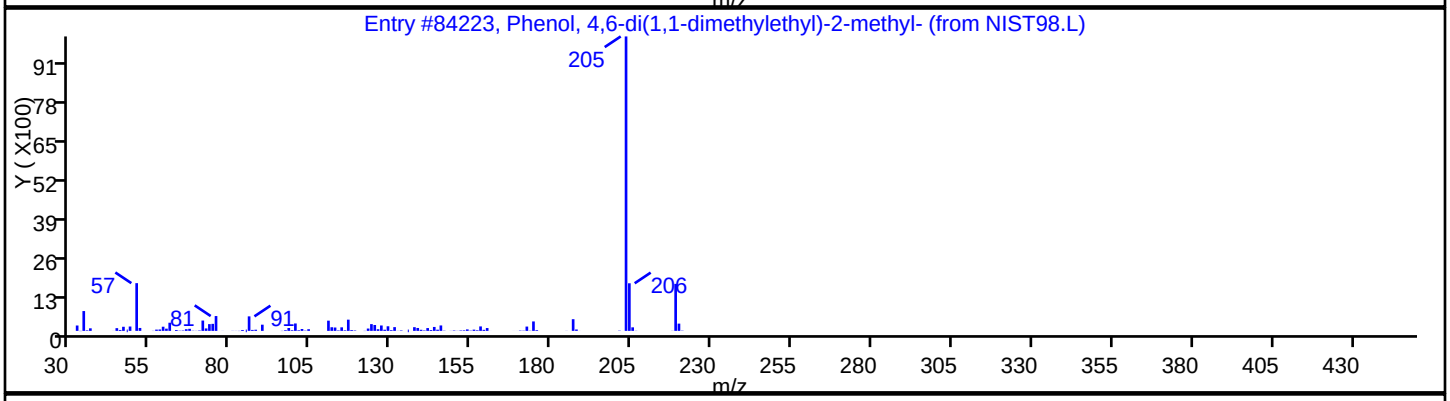
Sample Info: 360-24499-a-21-a

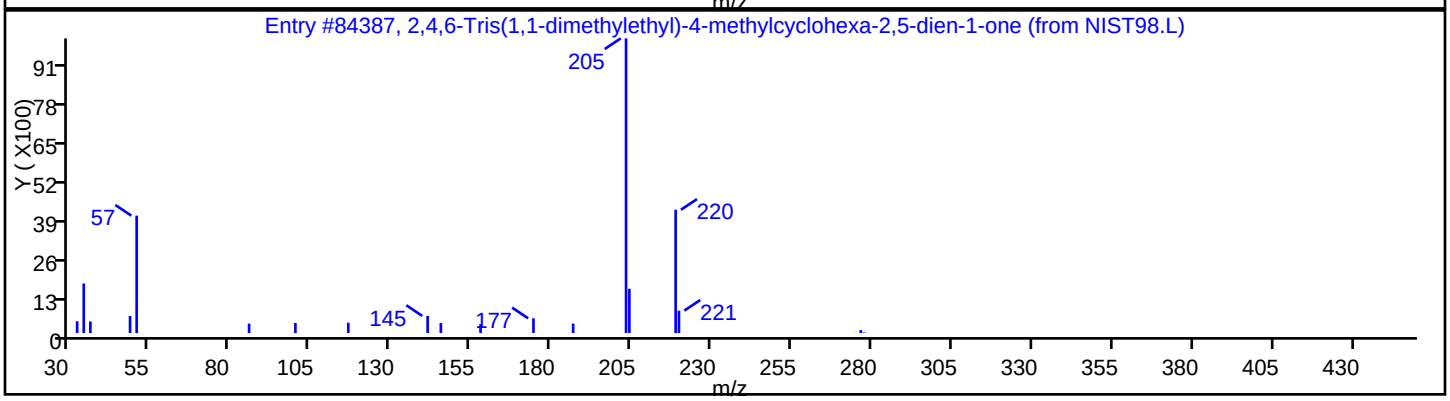
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Butylated Hydroxytoluene	128-37-0	NIST98.L	126409	97
Phenol, 4,6-di(1,1-dimethylethyl)-2-meth	616-55-7	NIST98.L	84223	87
2,4,6-Tris(1,1-dimethylethyl)-4-methylcy	19687-22-0	NIST98.L	84387	64









Report Date: 28-Sep-2009 07:36:16 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10577.D

Inj Date: 26-Sep-2009 07:39:30 Limit Group: SMS - 8270LL SVOA Calibration

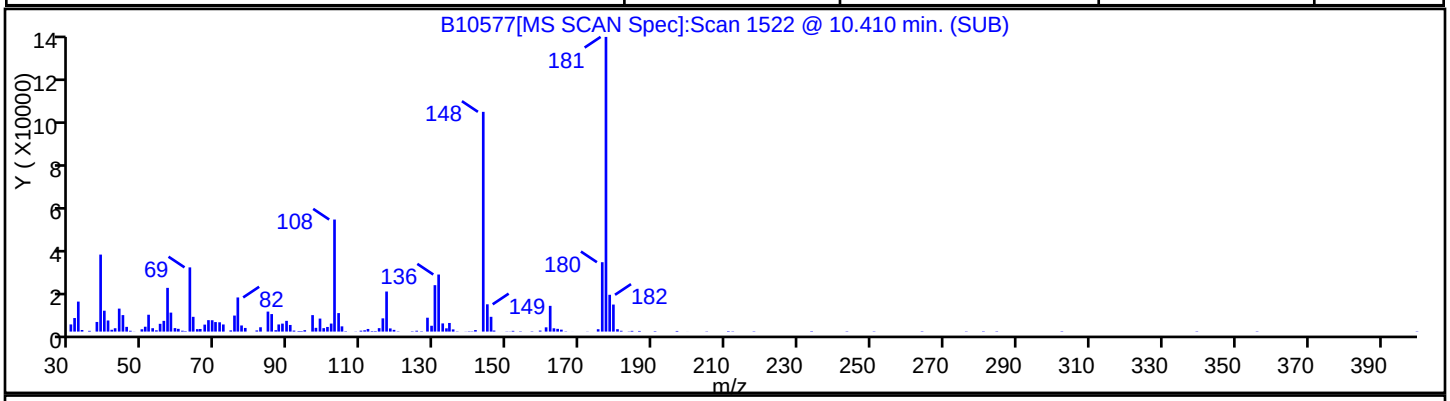
Lims Batch ID: 49517 Lims Sample ID: 34

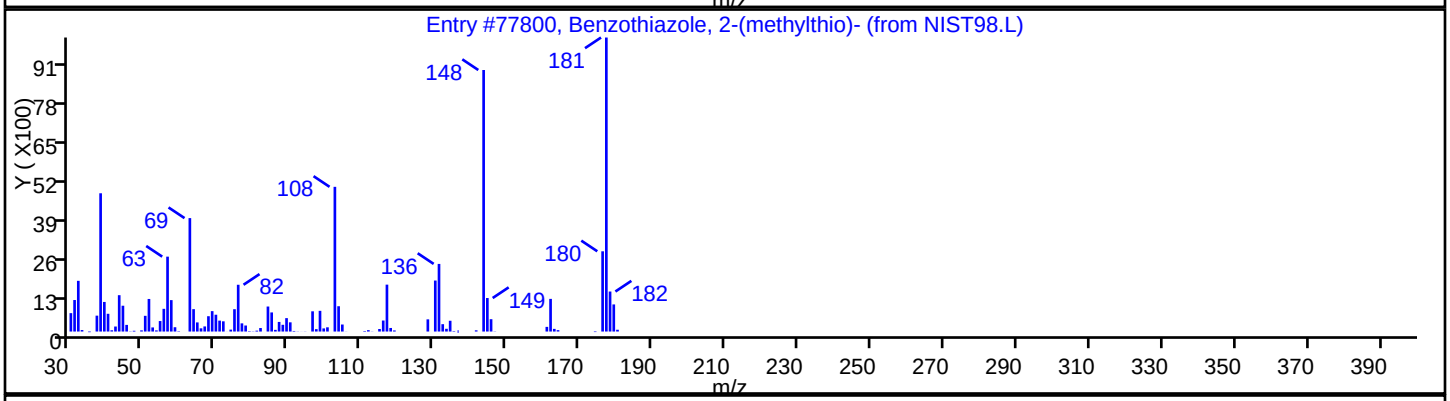
Client ID: OC-SB-450-33/35-XXX Instrument: Inst. B

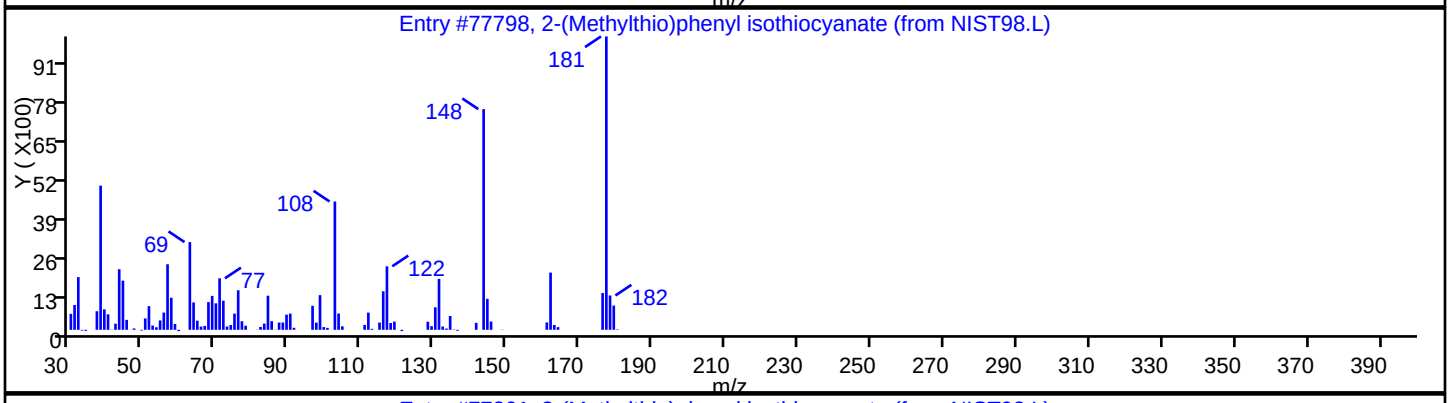
Sample Info: 360-24499-a-21-a

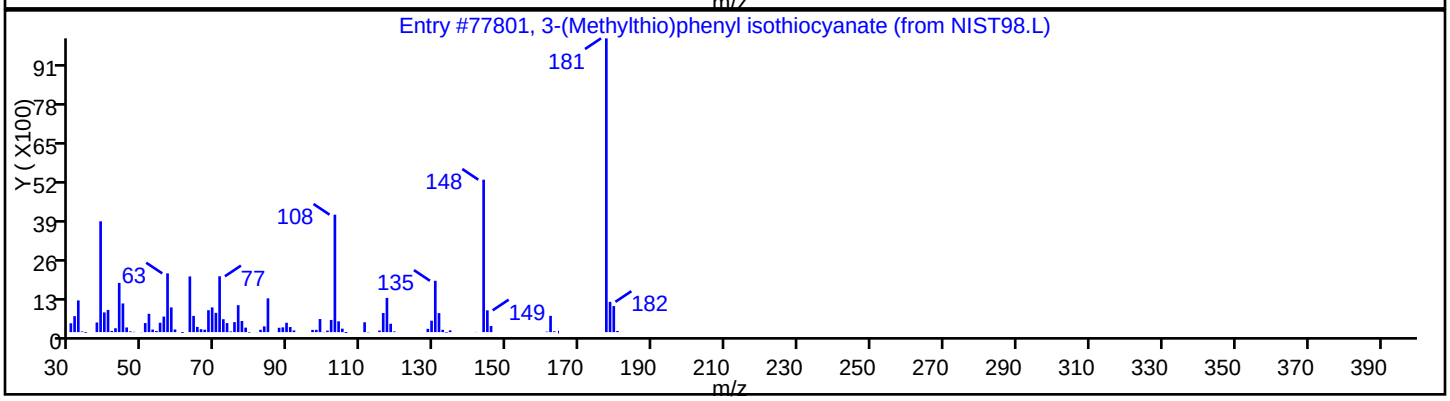
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzothiazole, 2-(methylthio)-	615-22-5	NIST98.L	77800	99
2-(Methylthio)phenyl isothiocyanate	51333-75-6	NIST98.L	77798	83
3-(Methylthio)phenyl isothiocyanate	51333-80-3	NIST98.L	77801	70





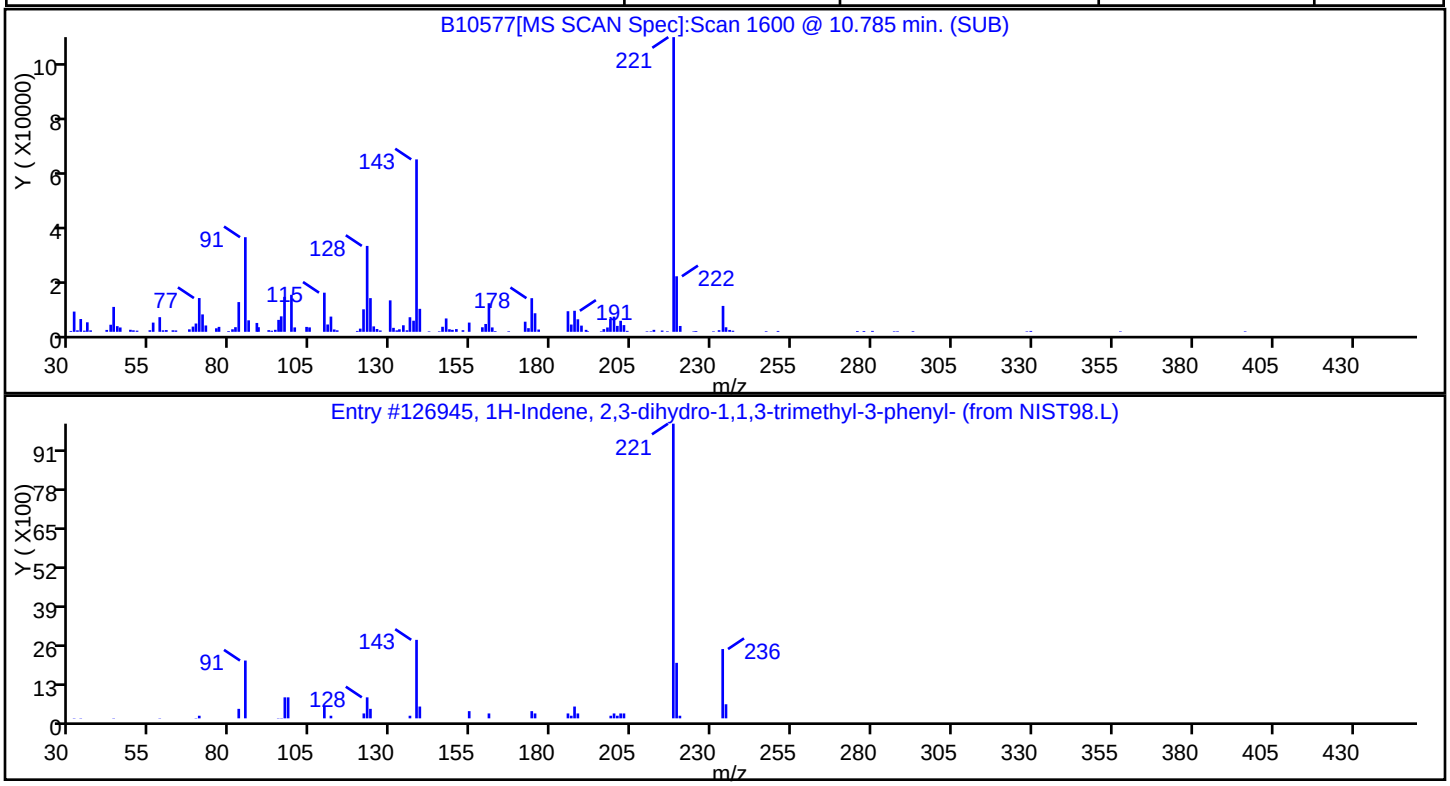




Report Date: 28-Sep-2009 07:36:16 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10577.D		
Inj Date:	26-Sep-2009 07:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49517	Lims Sample ID:	34
Client ID:	OC-SB-450-33/35-XXX	Instrument:	Inst. B
Sample Info:	360-24499-a-21-a		
Sample Amount:	1.00 ul	Operator:	MZ

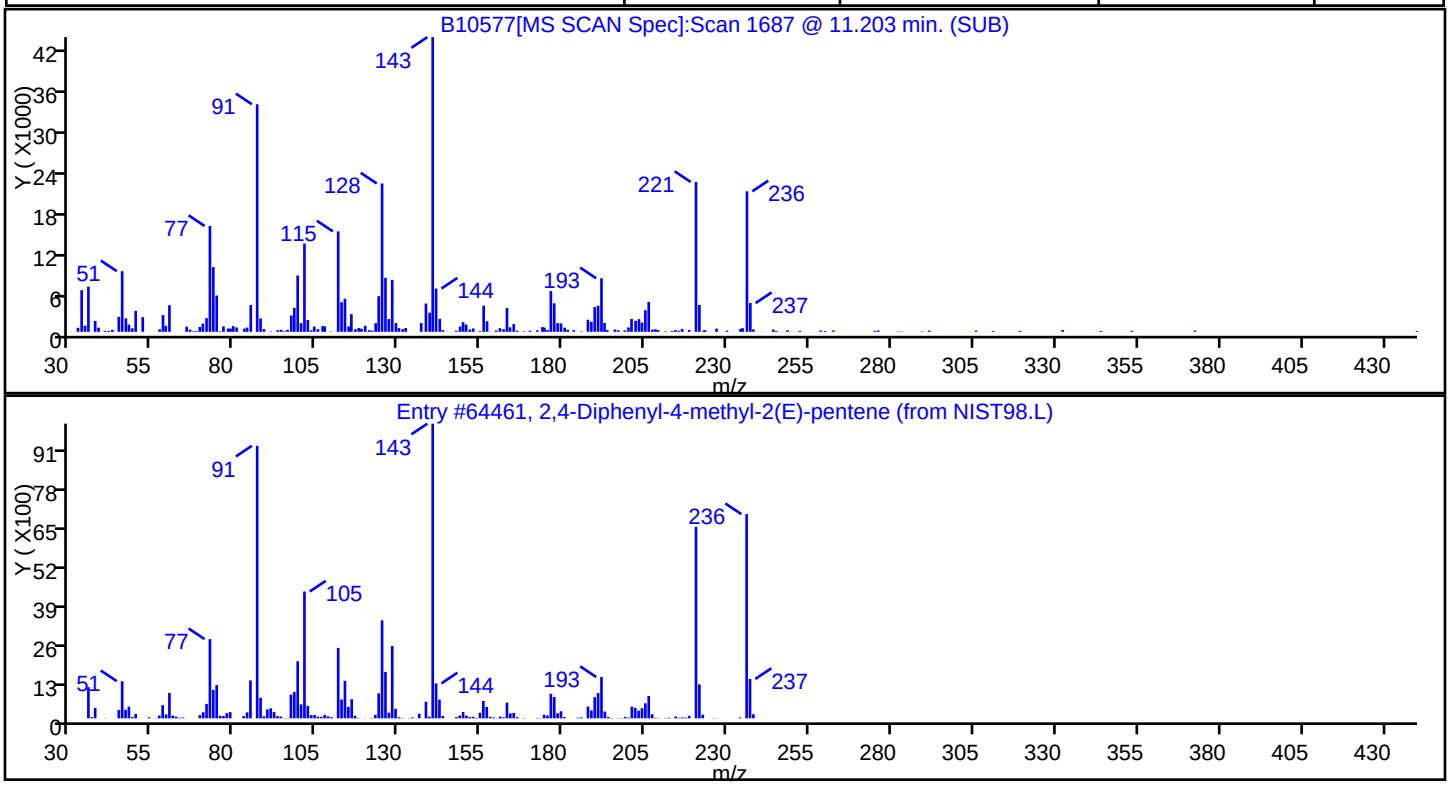
Library Search Compound Match	CAS Number	Library	Entry	Quality
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	3910-35-8	NIST98.L	126945	89



Report Date: 28-Sep-2009 07:36:16 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10577.D		
Inj Date:	26-Sep-2009 07:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49517	Lims Sample ID:	34
Client ID:	OC-SB-450-33/35-XXX	Instrument:	Inst. B
Sample Info:	360-24499-a-21-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	94



Report Date: 28-Sep-2009 07:36:16 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10577.D

Inj Date: 26-Sep-2009 07:39:30 Limit Group: SMS - 8270LL SVOA Calibration

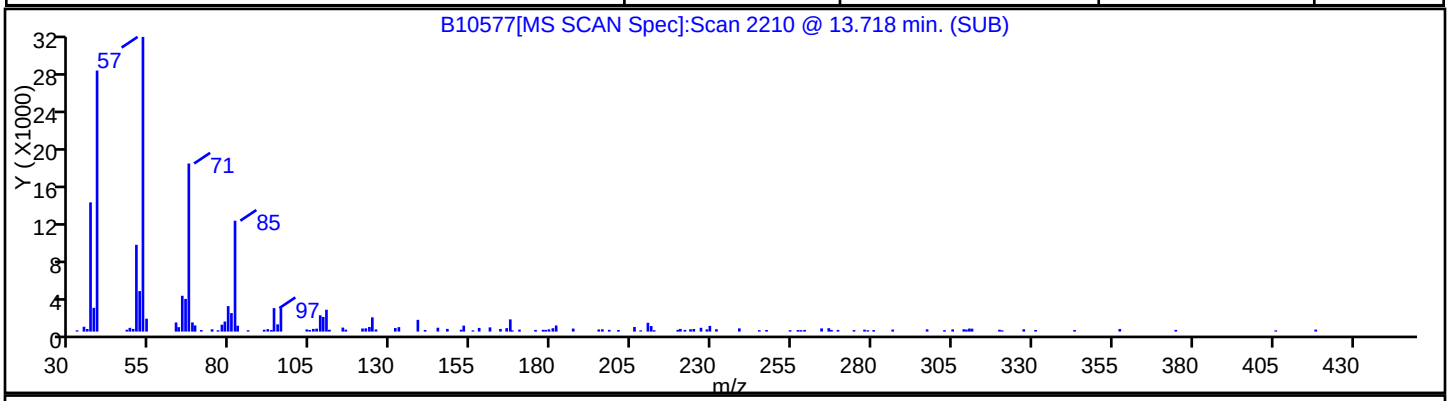
Lims Batch ID: 49517 Lims Sample ID: 34

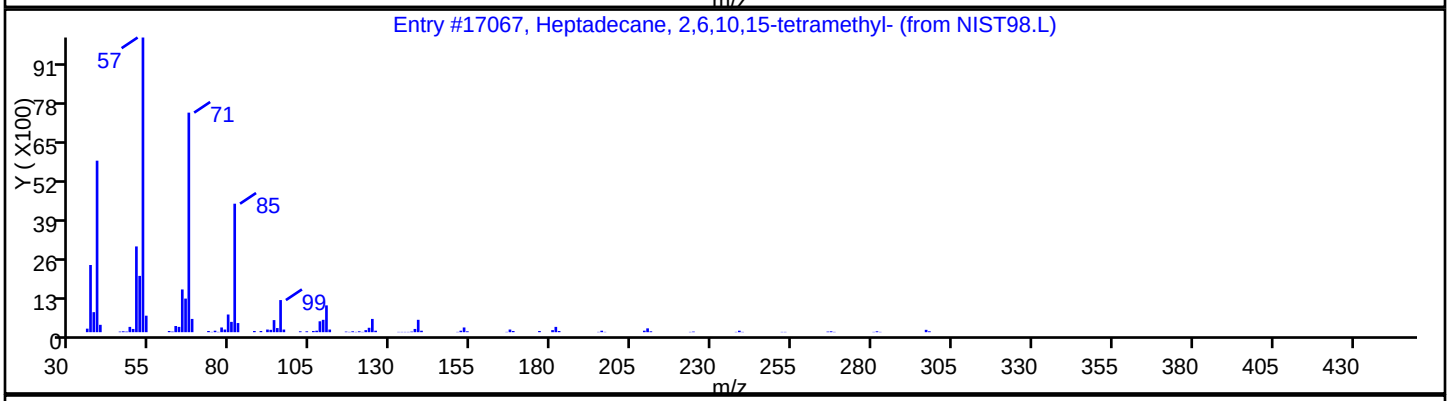
Client ID: OC-SB-450-33/35-XXX Instrument: Inst. B

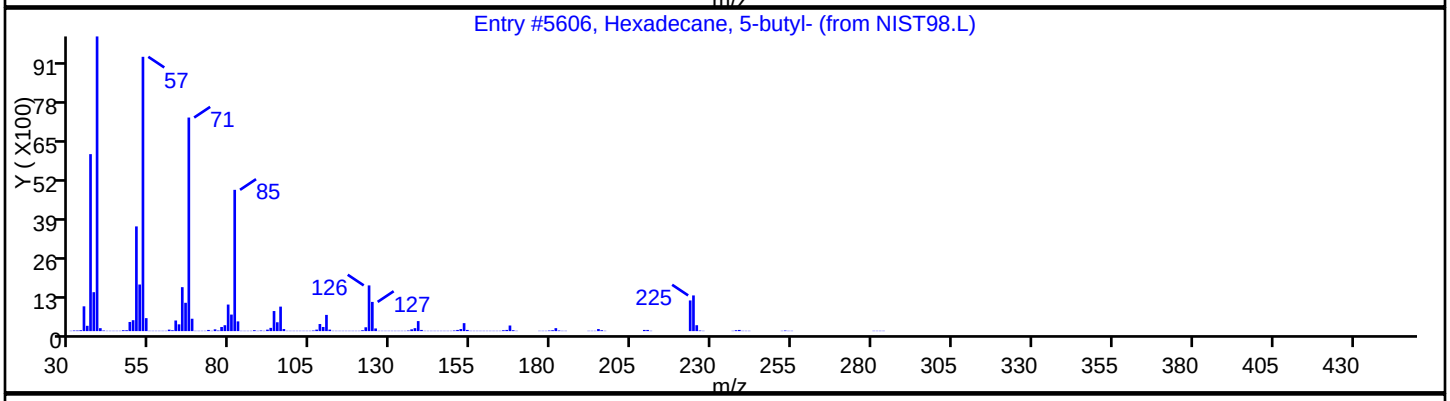
Sample Info: 360-24499-a-21-a

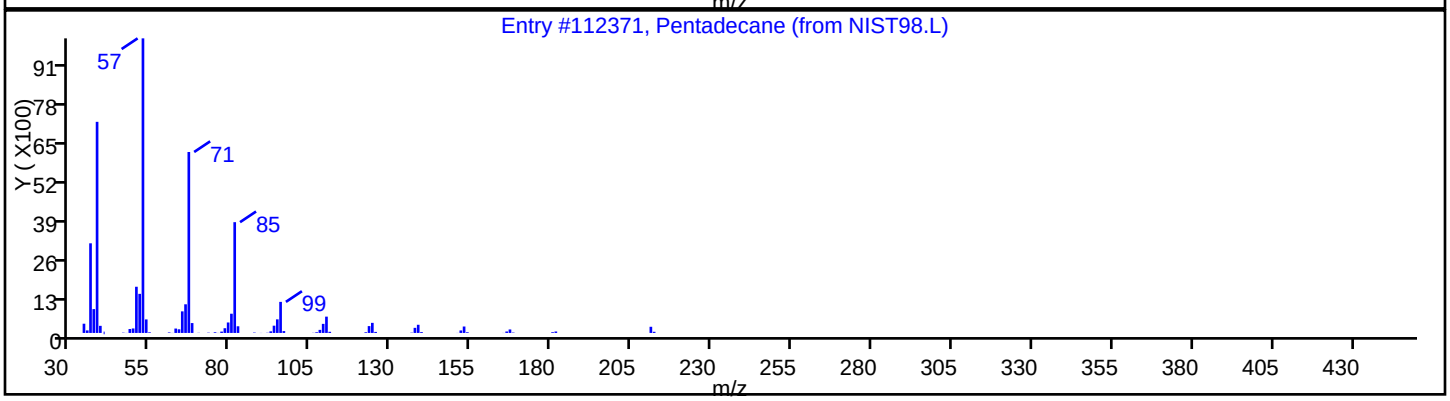
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NIST98.L	17067	97
Hexadecane, 5-butyl-	6912-7-8	NIST98.L	5606	90
Pentadecane	629-62-9	NIST98.L	112371	90









Report Date: 28-Sep-2009 07:36:16 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10577.D

Inj Date: 26-Sep-2009 07:39:30 Limit Group: SMS - 8270LL SVOA Calibration

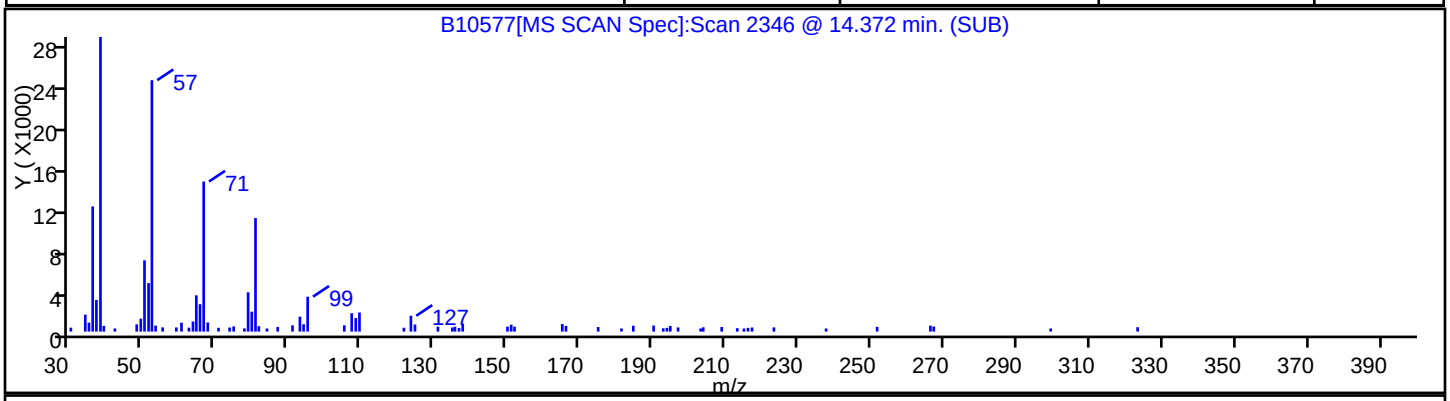
Lims Batch ID: 49517 Lims Sample ID: 34

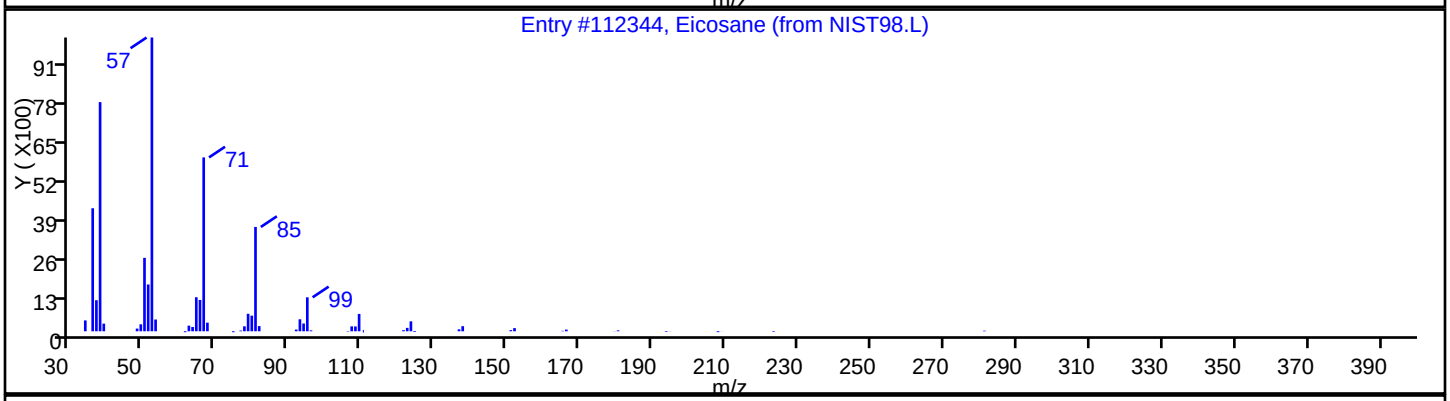
Client ID: OC-SB-450-33/35-XXX Instrument: Inst. B

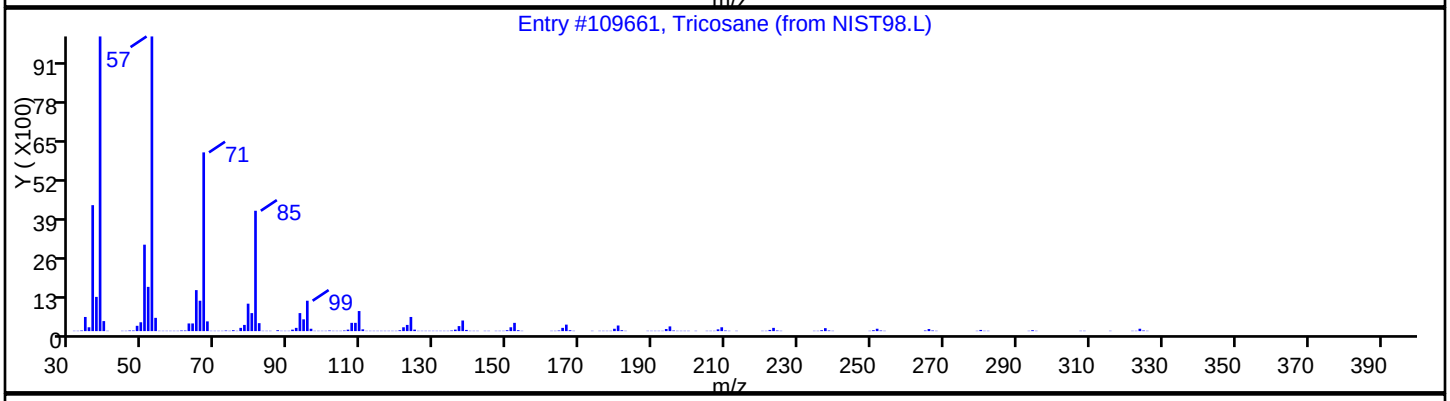
Sample Info: 360-24499-a-21-a

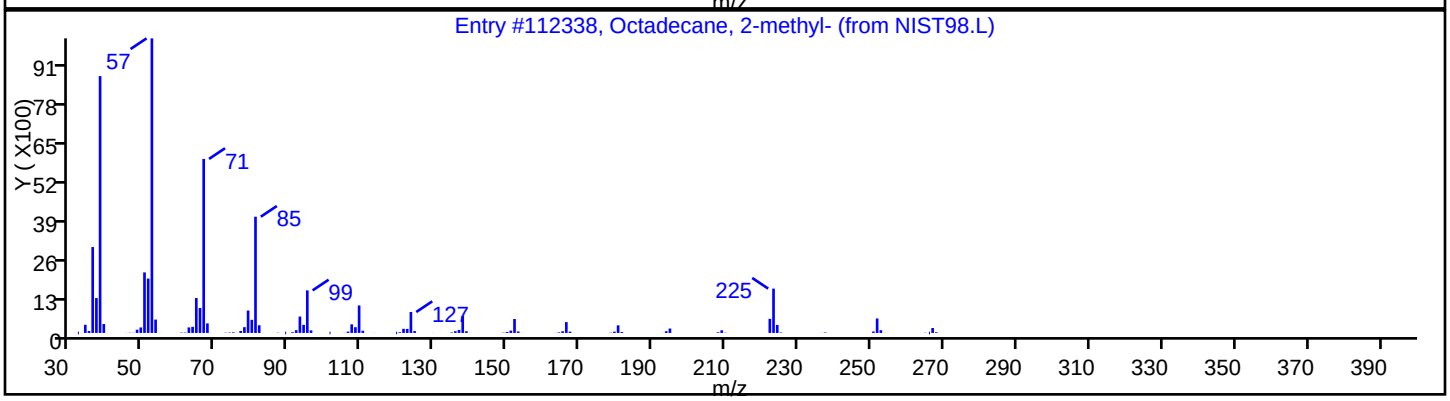
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane	112-95-8	NIST98.L	112344	98
Tricosane	638-67-5	NIST98.L	109661	96
Octadecane, 2-methyl-	1560-88-9	NIST98.L	112338	91









Report Date: 28-Sep-2009 07:36:16 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10577.D

Inj Date: 26-Sep-2009 07:39:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49517 Lims Sample ID: 34

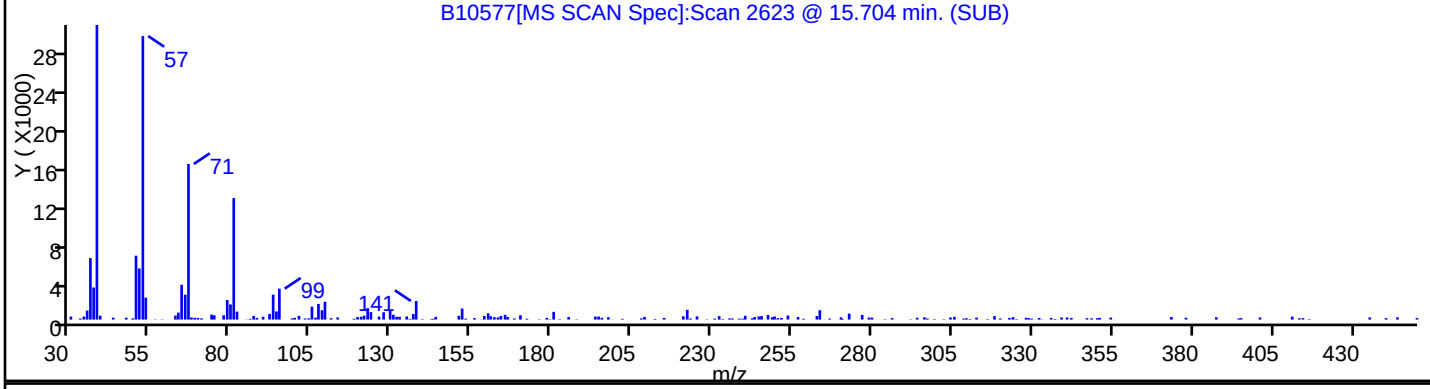
Client ID: OC-SB-450-33/35-XXX Instrument: Inst. B

Sample Info: 360-24499-a-21-a

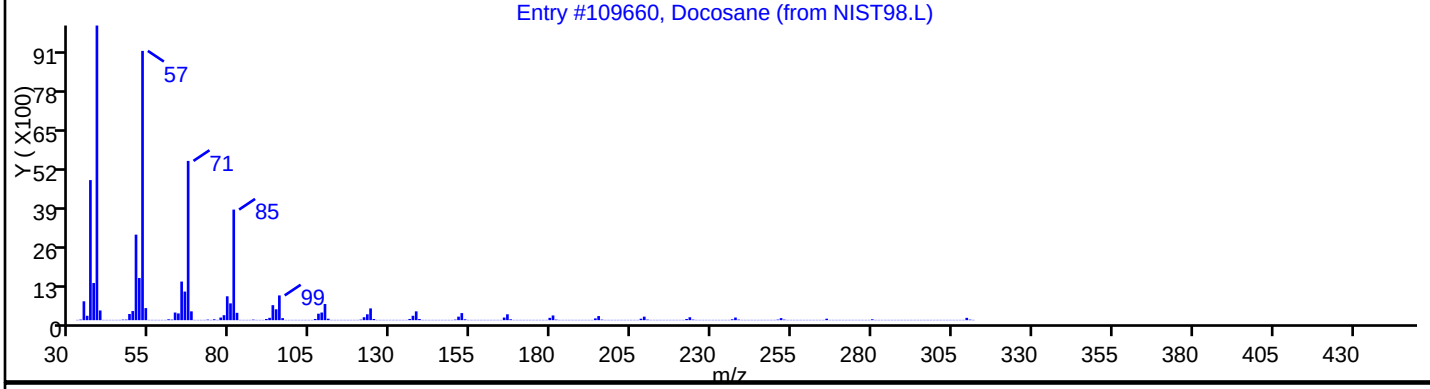
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Docosane	629-97-0	NIST98.L	109660	93
Tricosane	638-67-5	NIST98.L	109661	93
Octadecane, 2-methyl-	1560-88-9	NIST98.L	109628	90

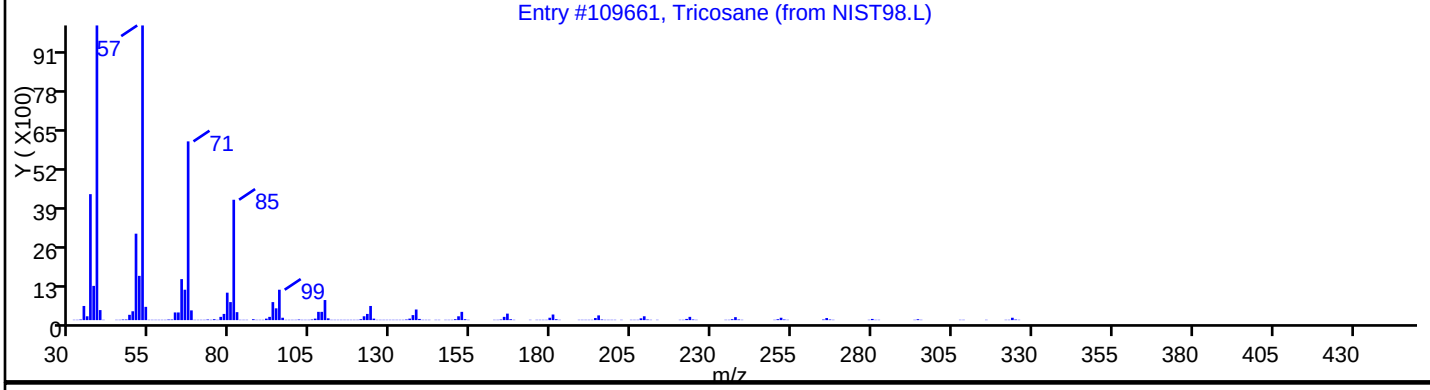
B10577[MS SCAN Spec]:Scan 2623 @ 15.704 min. (SUB)



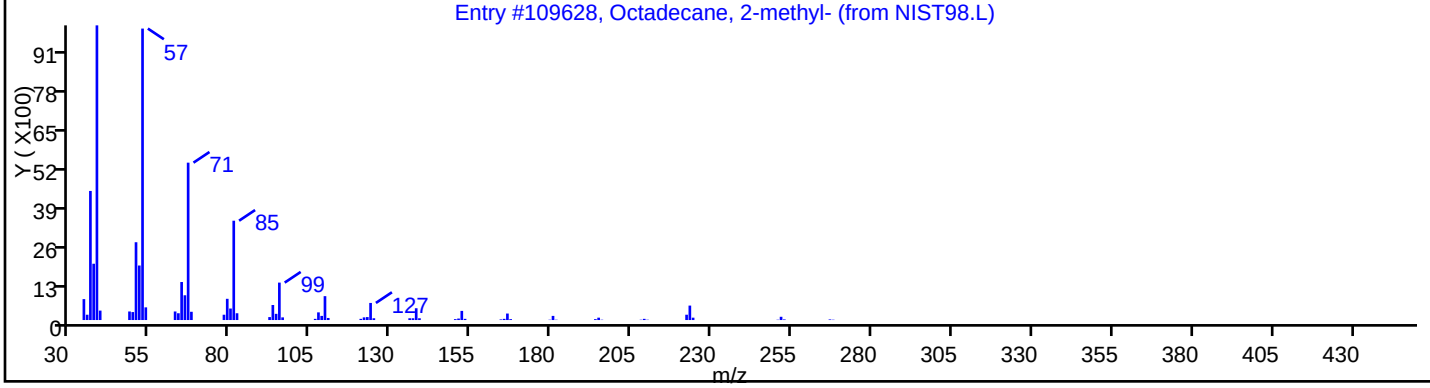
Entry #109660, Docosane (from NIST98.L)



Entry #109661, Tricosane (from NIST98.L)



Entry #109628, Octadecane, 2-methyl- (from NIST98.L)



Report Date: 28-Sep-2009 07:36:16 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10577.D

Inj Date: 26-Sep-2009 07:39:30 Limit Group: SMS - 8270LL SVOA Calibration

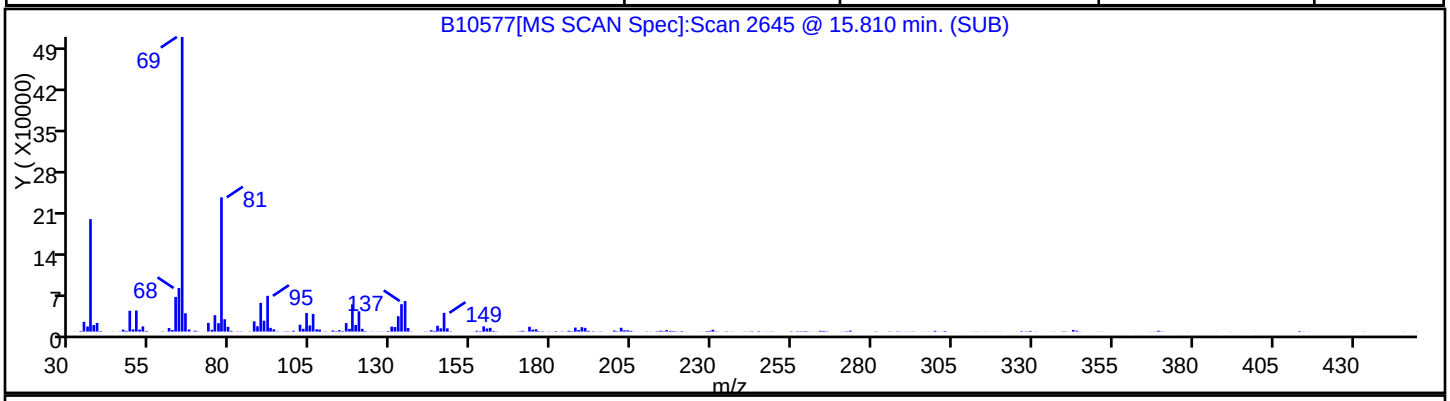
Lims Batch ID: 49517 Lims Sample ID: 34

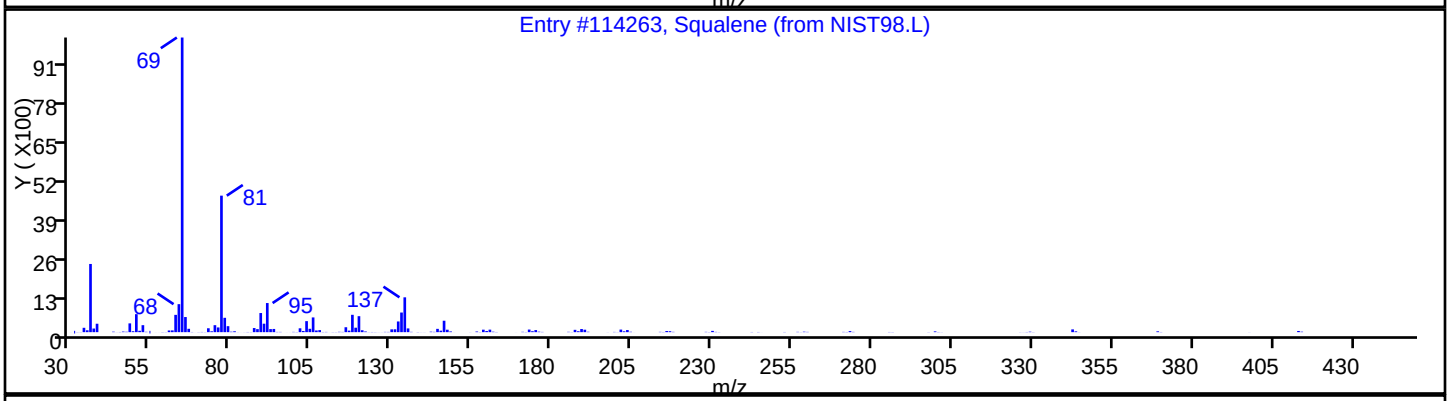
Client ID: OC-SB-450-33/35-XXX Instrument: Inst. B

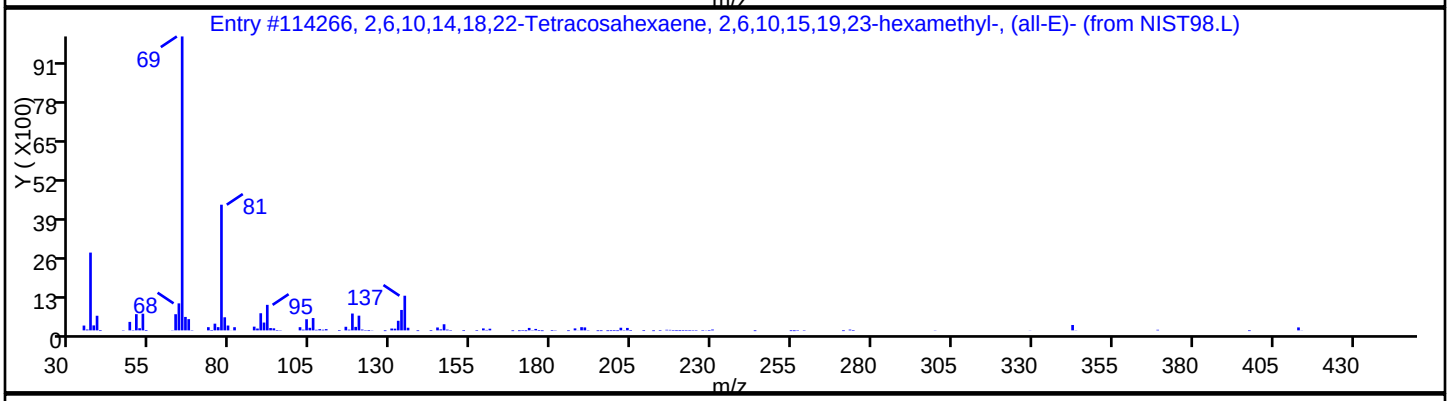
Sample Info: 360-24499-a-21-a

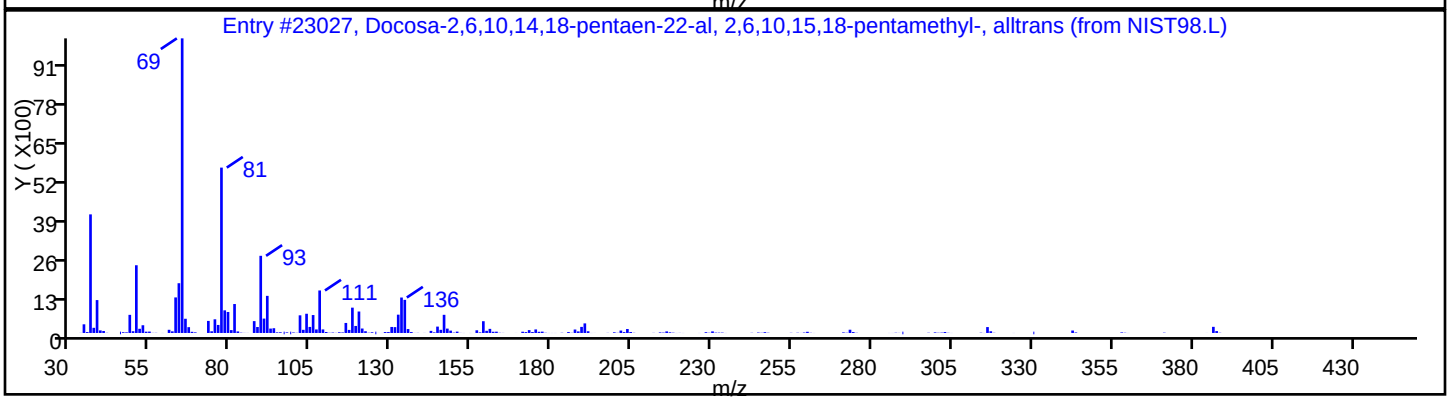
Sample Amount: 1.00 ul Operator: MZ

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
Docosa-2,6,10,14,18-pentaen-22-al, 2,6,1	1000163-4-7	NIST98.L	23027	90









Report Date: 28-Sep-2009 07:36:16 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10577.D

Inj Date: 26-Sep-2009 07:39:30 Limit Group: SMS - 8270LL SVOA Calibration

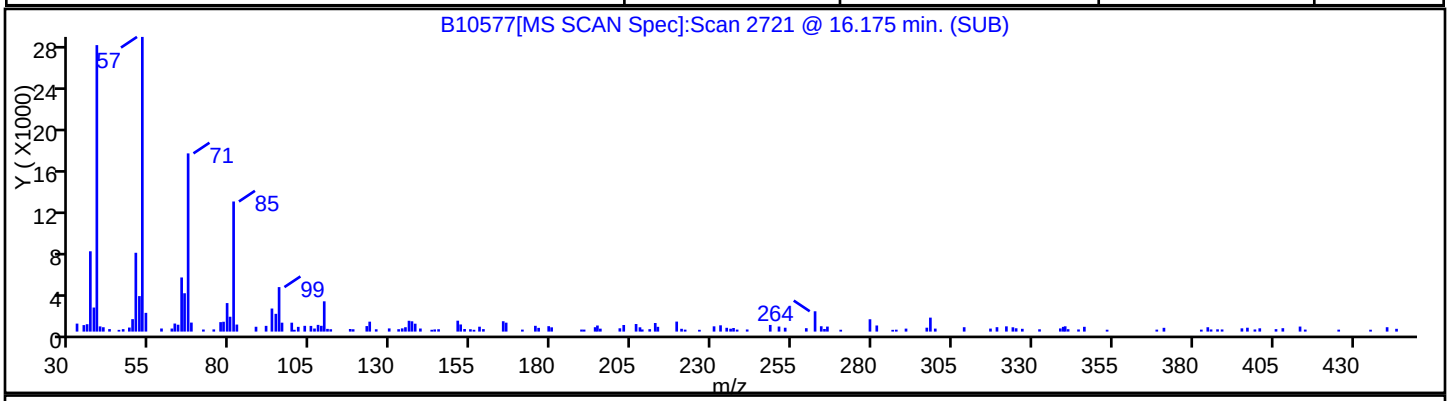
Lims Batch ID: 49517 Lims Sample ID: 34

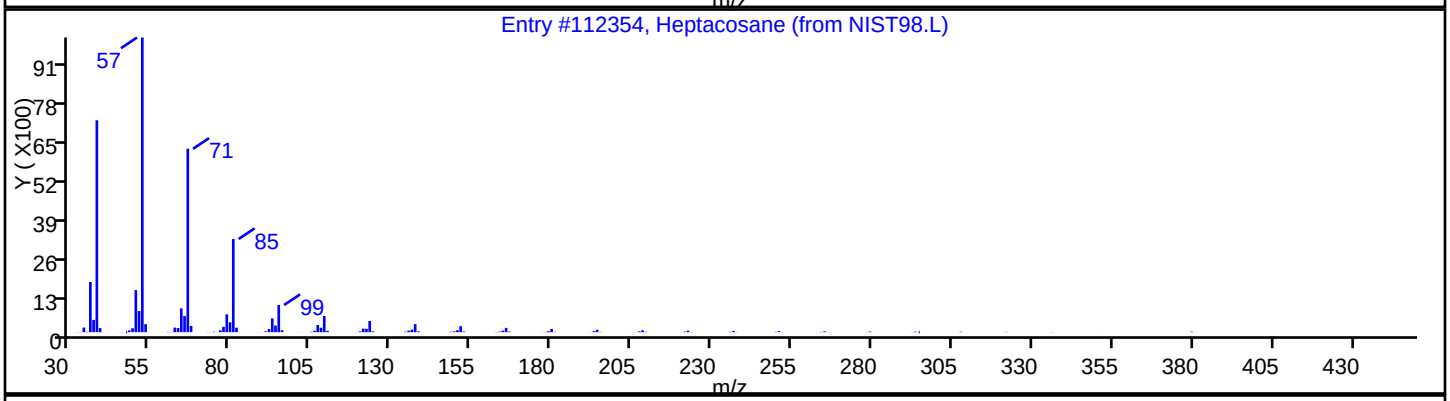
Client ID: OC-SB-450-33/35-XXX Instrument: Inst. B

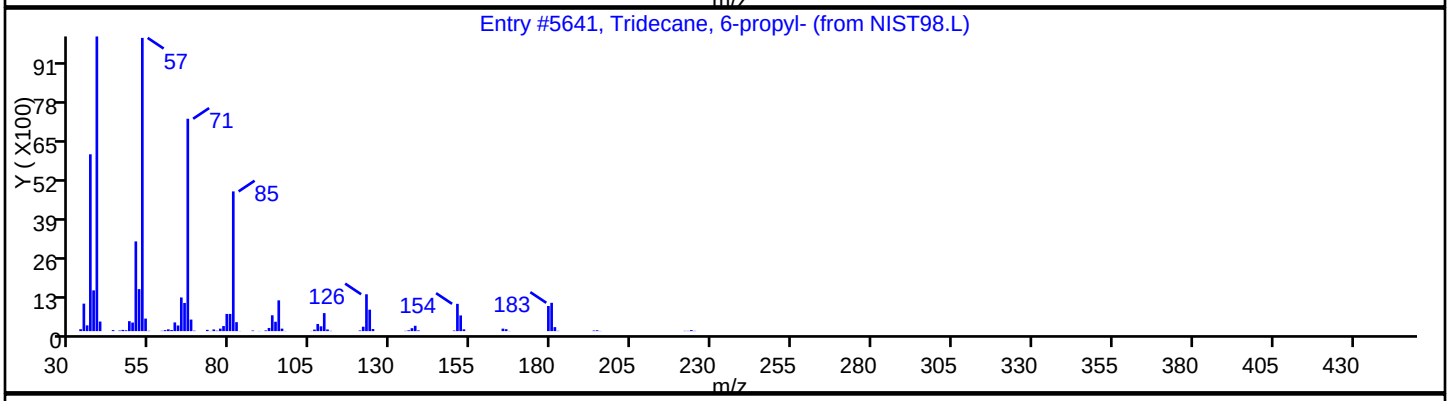
Sample Info: 360-24499-a-21-a

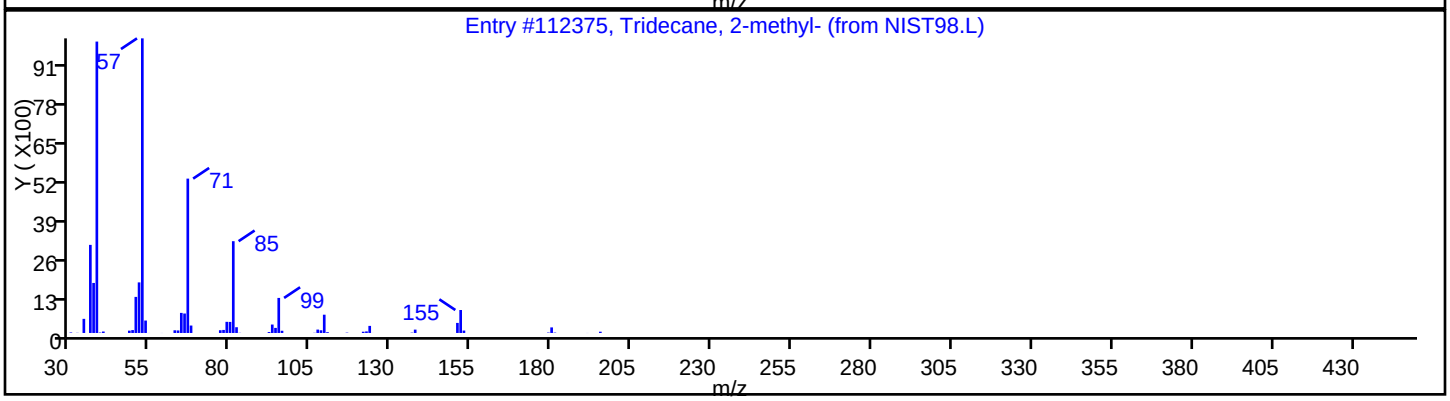
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptacosane	593-49-7	NIST98.L	112354	96
Tridecane, 6-propyl-	55045-10-8	NIST98.L	5641	90
Tridecane, 2-methyl-	1560-96-9	NIST98.L	112375	81









FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24499-2 Analy Batch No.: 49400

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2009 15:32 Calibration End Date: 09/22/2009 19:41 Calibration ID: 4706

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49400/3	B10477.D
Level 2	STD025 360-49400/4	B10478.D
Level 3	STD05 360-49400/5	B10479.D
Level 4	STD1 360-49400/6	B10480.D
Level 5	STD25 360-49400/7	B10481.D
Level 6	STD5 360-49400/2	B10476.D
Level 7	STD8 360-49400/8	B10482.D
Level 8	STD10 360-49400/9	B10483.D
Level 9	STD20 360-49400/10	B10484.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	+++++ 0.4428	0.5628 0.4284	0.3680 0.4080	0.4379 +++++	0.5006	Ave		0.4498				14.0		15.0			
1,4-Dioxane	+++++					None											
N-Nitrosodimethylamine	0.3805 0.3314	0.3769 0.3209	0.3944 0.3007	0.4008 0.4722	0.4076	Ave		0.3761				14.0		15.0			
2,4-Dinitrophenol	+++++ 0.0423	+++++ 0.0842	+++++ 0.0994	0.0239 0.1212	0.0333	Qua	-0.064	0.0670	0.0029		0.0500				0.9930		0.9900
Benzaldehyde	0.4771 0.3467	0.3634 0.3391	0.3833 0.3054	0.4025 +++++	0.3991	Ave		0.3771				14.0		15.0			
Phenol	0.7749 0.6469	0.7229 0.6358	0.7073 0.5763	0.7476 0.9265	0.7434	Ave		0.7202				14.0		15.0			
Aniline	0.8812 0.7618	0.8375 0.7473	0.8497 0.6801	0.8587 1.0805	0.8784	Ave		0.8417				13.0		15.0			
Bis(2-chloroethyl)ether	0.6680 0.5162	0.6225 0.5081	0.6103 0.4661	0.6004 +++++	0.6002	Ave		0.5740				12.0		15.0			
2-Chlorophenol	0.6139 0.5450	0.6157 0.5462	0.6253 0.4855	0.6346 0.7794	0.6463	Ave		0.6102				14.0		15.0			
Benzoic acid	+++++ 0.0360	0.0126 0.0775	0.0183 0.0992	0.0336 +++++	0.0439	Qua	0.0185	-0.013	0.0110						0.9930		0.9900
Pentachlorophenol	+++++ 0.0578	+++++ 0.0885	+++++ 0.0955	0.0236 0.1148	0.0495	Qua	-0.094	0.0831	0.0018						0.9980		0.9900
1,4-Dichlorobenzene	0.8595 0.6700	0.8101 0.6410	0.7957 0.5846	0.7893 0.9277	0.7770	Ave		0.7617				14.0		15.0			
1,3-Dichlorobenzene	0.9067 0.6900	0.8826 0.6692	0.8117 0.6116	0.8305 +++++	0.8055	Ave		0.7760				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.: 360-24499-2 Analy Batch No.: 49400

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2009 15:32 Calibration End Date: 09/22/2009 19:41 Calibration ID: 4706

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								
Benzyl alcohol	0.4475 0.4648	0.4383 0.4536	0.4584 0.4182	0.5017 +++++	0.5215	Ave		0.4630				7.2		15.0			
1,2-Dichlorobenzene	0.9522 0.6340	0.8564 0.6093	0.7886 0.5587	0.7447 +++++	0.7476	Lin1	0.0603	0.6020							0.9910		0.9900
2-Methylphenol	0.6025 0.5005	0.5295 0.4881	0.5692 0.4415	0.5849 0.7131	0.5794	Ave		0.5565				14.0		15.0			
2,2'-oxybis[1-chloropropane]	1.2935 0.9173	1.1613 0.8864	1.0984 0.7982	1.1167 +++++	1.0847	Lin	0.2667	0.8162							0.9910		0.9900
3 & 4 Methylphenol	0.5676 0.5341	0.5515 0.5154	0.5939 0.4666	0.5889 0.7548	0.6012	Ave		0.5749				14.0		15.0			
N-Nitrosodi-n-propylamine	0.3789 0.3725	0.3813 0.3661	0.4052 0.3425	0.4194 +++++	0.4306	Ave		0.3871			0.0500	7.6		15.0			
Acetophenone	0.8862 0.7277	0.8896 0.7136	0.8333 0.6605	0.8430 1.0561	0.8400	Ave		0.8278				14.0		15.0			
4-Nitrophenol	+++++ 0.1526	+++++ 0.1776	0.0830 0.1752	0.1052 0.1872	0.1338	Lin1	-0.024	0.1775			0.0500				0.9910		0.9900
Hexachloroethane	0.2866 0.2402	0.2761 0.2323	0.2710 0.2170	0.2778 0.3462	0.2793	Ave		0.2696				14.0		15.0			
Nitrobenzene	0.2529 0.2371	0.2771 0.2206	0.2689 0.2012	0.2800 +++++	0.2807	Ave		0.2523				12.0		15.0			
4,6-Dinitro-2-methylphenol	+++++ 0.0553	+++++ 0.0835	0.0267 0.0916	0.0392 0.1086	0.0454	Qua	-0.037	0.0688	0.0021						0.9970		0.9900
Isophorone	0.4241 0.3993	0.4061 0.3746	0.4188 0.3448	0.4623 +++++	0.4717	Ave		0.4127				10.0		15.0			
2,4-Dimethylphenol	0.2482 0.2290	0.2334 0.2120	0.2452 0.1968	0.2518 +++++	0.2590	Ave		0.2344				9.1		15.0			
2-Nitrophenol	0.1083 0.1136	0.0951 0.1190	0.1102 0.1119	0.1269 0.0838	0.1426	Ave		0.1124				15.0		15.0			
Bis(2-chloroethoxy)methane	0.2859 0.2294	0.2793 0.2158	0.2847 0.1998	0.2793 +++++	0.2747	Ave		0.2561				14.0		15.0			
2,4-Dichlorophenol	0.2179 0.1790	0.1828 0.1699	0.1945 0.1568	0.2081 +++++	0.2146	Ave		0.1905				12.0		15.0			
1,2,4-Trichlorobenzene	0.2761 0.2036	0.2668 0.1946	0.2537 0.1777	0.2547 0.1296	0.2515	Qua	0.0239	0.2289	-0.005						0.9990		0.9900
Alpha-Terpineol	0.2338 0.1987	0.2220 0.1893	0.2235 0.1758	0.2297 +++++	0.2346	Ave		0.2134				10.0		15.0			
Naphthalene	0.9090 0.6597	0.8943 0.6109	0.8266 0.5537	0.8210 +++++	0.8069	Qua	0.0355	0.8035	-0.025						0.9990		0.9900
4-Chloroaniline	0.3010 0.2674	0.3075 0.2556	0.2903 0.2423	0.3083 +++++	0.3166	Ave		0.2861				9.6		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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24499-2 Analy Batch No.: 49400

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2009 15:32 Calibration End Date: 09/22/2009 19:41 Calibration ID: 4706

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	0.1526 0.1048	0.1351 0.0989	0.1249 0.0914	0.1306 +++++	0.1261	Lin	0.0324	0.0924							0.9920		0.9900
Caprolactam	0.0682 0.0930	0.0666 0.0890	0.0736 0.0837	0.0946 0.0611	0.1045	Qua	-0.010	0.1085	-0.002						1.0000		0.9900
4-Chloro-3-methylphenol	0.2053 0.1830	0.1862 0.1752	0.1942 0.1608	0.2047 +++++	0.2115	Ave		0.1901				9.0		15.0			
2-Methylnaphthalene	0.5592 0.4414	0.5582 0.4215	0.5377 0.3846	0.5429 +++++	0.5414	Ave		0.4984				14.0		15.0			
1-Methylnaphthalene	0.5601 0.4321	0.5526 0.4105	0.5425 0.3760	0.5302 +++++	0.5205	Lin	0.1336	0.3815							0.9910		0.9900
Hexachlorocyclopentadiene	0.1356 0.1858	0.1175 0.2135	0.1380 0.2136	0.1622 0.2178	0.1746	Lin1	-0.019	0.2115			0.0500				0.9950		0.9900
1,2,4,5-Tetrachlorobenzene	0.2436 0.1757	0.2203 0.1668	0.2099 0.1533	0.2215 +++++	0.2115	Lin	0.0541	0.1553							0.9920		0.9900
2,4,6-Trichlorophenol	0.2080 0.2890	0.2158 0.3445	0.2668 0.3313	0.2747 0.3584	0.3175	Lin1	-0.026	0.3421							0.9950		0.9900
2,4,5-Trichlorophenol	0.2632 0.3058	0.2342 0.3700	0.2768 0.3481	0.2969 0.3761	0.3394	Lin1	-0.024	0.3607							0.9960		0.9900
1,1'-Biphenyl	1.4181 1.3020	1.3340 1.4784	1.3824 1.3906	1.3744 1.3703	1.4608	Ave		1.3901				4.0		15.0			
2-Chloronaphthalene	1.3603 1.2595	1.2771 1.3381	1.2886 1.2829	1.2951 1.3231	1.3557	Ave		1.3089				2.8		15.0			
Phenyl ether	0.3446 0.2745	0.3434 0.2637	0.3476 0.2452	0.3352 +++++	0.3405	Ave		0.3118				14.0		15.0			
4-Nitroaniline	0.2571 0.3518	0.2479 0.4050	0.2765 0.3856	0.3079 0.4171	0.3618	Lin1	-0.033	0.3998							0.9960		0.9900
Dimethyl phthalate	1.1465 1.1866	1.1383 1.3174	1.1947 1.2516	1.2453 1.2751	1.2735	Ave		1.2254				5.0		15.0			
2,6-Dinitrotoluene	0.1632 0.2732	0.2175 0.3093	0.2496 0.2944	0.2723 0.3193	0.2916	Lin2	-0.014	0.2938							0.9960		0.9900
Acenaphthylene	1.5055 1.6564	1.4858 1.8705	1.5970 1.7631	1.6730 1.6806	1.8087	Ave		1.6712				7.8		15.0			
3-Nitroaniline	0.2061 0.2559	0.1932 0.2967	0.2241 0.2840	0.2533 0.3042	0.2842	Lin1	-0.019	0.2934							0.9970		0.9900
Acenaphthene	1.1962 1.0980	1.0991 1.2759	1.1240 1.2156	1.1087 1.2179	1.1949	Ave		1.1700				5.5		15.0			
2,4-Dinitrotoluene	0.2070 0.3305	0.2140 0.4034	0.2724 0.3889	0.3179 0.4286	0.3572	Lin1	-0.040	0.4038							0.9930		0.9900
Dibenzofuran	1.5332 1.4373	1.5209 1.6417	1.4976 1.5456	1.4855 1.5087	1.5934	Ave		1.5293				3.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24499-2 Analy Batch No.: 49400

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2009 15:32 Calibration End Date: 09/22/2009 19:41 Calibration ID: 4706

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								
2,3,4,6-Tetrachlorophenol	0.0952 0.2157	0.1058 0.2612	0.1531 0.2586	0.1800 0.2751	0.2171	Lin1	-0.033	0.2617							0.9930		0.9900
Diethyl phthalate	1.3679 1.1976	1.1913 1.3563	1.2261 1.2975	1.2123 1.3053	1.2953	Ave		1.2722				5.3		15.0			
4-Chlorophenyl phenyl ether	0.5669 0.5273	0.5366 0.6108	0.5199 0.5850	0.5392 0.6213	0.5800	Ave		0.5652				6.5		15.0			
2-Nitroaniline	0.1873 0.2851	0.2029 0.3436	0.2590 0.3430	0.2636 0.3535	0.2973	Lin1	-0.030	0.3411							0.9950		0.9900
Fluorene	1.2422 1.2265	1.2254 1.4205	1.2061 1.3451	1.2326 1.3345	1.3248	Ave		1.2842				5.8		15.0			
Diphenylamine	0.5949 0.6061	0.6376 0.7043	0.6017 0.6709	0.6195 0.6920	0.6787	Ave		0.6451				6.5		15.0			
N-Nitrosodiphenylamine	0.5949 0.6061	0.6376 0.7043	0.6017 0.6709	0.6195 0.6920	0.6787	Ave		0.6451				6.5		15.0			
1,2-Diphenylhydrazine	0.9892 1.1562	0.9875 1.3258	1.0698 1.2694	1.1402 1.2681	1.2806	Ave		1.1652				11.0		15.0			
Azobenzene	0.9892 1.1562	0.9875 1.3258	1.0698 1.2694	1.1402 1.2681	1.2806	Ave		1.1652				11.0		15.0			
Benzophenone	0.5266 0.6929	0.6212 0.8076	0.6627 0.7822	0.6897 0.8104	0.7582	Ave		0.7057				13.0		15.0			
4-Bromophenyl phenyl ether	0.1629 0.1689	0.1730 0.1925	0.1787 0.1859	0.1754 0.2004	0.1856	Ave		0.1804				6.6		15.0			
Hexachlorobenzene	0.1866 0.1553	0.1681 0.1815	0.1672 0.1760	0.1569 0.1856	0.1781	Ave		0.1728				6.7		15.0			
Atrazine	0.1592 0.1808	0.1541 0.2085	0.1625 0.2033	0.1816 0.2149	0.1947	Ave		0.1844				12.0		15.0			
Benzidine	+++++ 0.0823	0.0213 0.1974	0.0399 0.2175	0.0803 0.2861	0.0891	Qua	-0.076	0.1256	0.0083						0.9940		0.9900
Pentachloronitrobenzene	0.0539 0.0719	0.0596 0.0872	0.0559 0.0871	0.0704 0.0953	0.0788	Lin1	-0.008	0.0891							0.9920		0.9900
Phenanthrene	1.1586 0.9637	1.0659 1.0947	0.9896 1.0315	0.9862 0.9857	1.0495	Ave		1.0362				6.1		15.0			
Anthracene	0.8898 0.9528	0.8796 1.0825	0.9141 1.0289	0.9576 0.9817	1.0219	Ave		0.9677				7.0		15.0			
Carbazole	0.8189 0.7541	0.8063 0.8516	0.8154 0.8155	0.8289 0.8029	0.8377	Ave		0.8146				3.4		15.0			
Di-n-butyl phthalate	1.5974 1.1536	1.2151 1.3065	1.1503 1.2280	1.1712 1.1015	1.2769	Ave		1.2445				12.0		15.0			
Fluoranthene	0.8989 0.8863	0.8240 0.9947	0.8671 0.9660	0.8638 0.9664	0.9399	Ave		0.9119				6.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24499-2 Analy Batch No.: 49400

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2009 15:32 Calibration End Date: 09/22/2009 19:41 Calibration ID: 4706

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	1.3219 1.2414	1.3563 1.3987	1.2847 1.3147	1.3353 1.3515	1.5656	Ave		1.3522				6.8		15.0			
Butyl benzyl phthalate	0.4431 0.6001	0.4402 0.7000	0.5065 0.6684	0.5568 0.7209	0.7487	Lin1	-0.049	0.6966							0.9960		0.9900
3,3'-Dichlorobenzidine	0.1322 0.2525	0.1583 0.2900	0.1734 0.2814	0.2108 0.3142	0.2552	Lin1	-0.035	0.2953							0.9940		0.9900
Bis(2-ethylhexyl) phthalate	0.7077 0.8414	0.5605 1.0109	0.6051 0.9653	0.7113 1.0514	1.0106	Lin1	-0.088	1.0035							0.9940		0.9900
Benzo[a]anthracene	0.8267 0.8570	0.7927 0.9381	0.8276 0.8982	0.8722 0.9459	0.9293	Ave		0.8764				6.3		15.0			
Chrysene	0.8730 0.8118	0.8737 0.8896	0.8382 0.8411	0.8444 0.8872	0.8974	Ave		0.8618				3.4		15.0			
Di-n-octyl phthalate	0.8022 1.6978	0.8565 2.1473	1.0126 2.0883	1.3296 2.2181	2.1411	Lin1	-0.273	2.1299							0.9920		0.9900
Benzo[b]fluoranthene	1.1642 1.0687	0.9624 1.1914	1.0502 1.1632	1.0703 1.2313	1.1937	Ave		1.1217				7.8		15.0			
Benzo[k]fluoranthene	0.9697 0.9482	0.8997 1.1134	0.9516 1.0657	0.9925 1.1859	1.1032	Ave		1.0256				9.3		15.0			
Benzo[a]pyrene	0.8152 0.8253	0.6716 0.9448	0.7286 0.9186	0.7740 0.9861	0.8579	Ave		0.8358				12.0		15.0			
Indeno[1,2,3-cd]pyrene	0.8211 0.7358	0.6002 0.8498	0.5864 0.8128	0.6527 0.8205	0.7357	Ave		0.7350				14.0		15.0			
Dibenz(a,h)anthracene	0.6472 0.5780	0.4575 0.6818	0.4735 0.6542	0.5279 0.6785	0.5718	Ave		0.5856				15.0		15.0			
Benzo[g,h,i]perylene	0.8212 0.6247	0.6437 0.7177	0.6010 0.6773	0.6250 0.6638	0.6725	Ave		0.6719				9.8		15.0			
2-Fluorophenol	0.5264 0.4560	0.5211 0.4463	0.4934 0.4118	0.5291 +++++	0.5533	Ave		0.4922				10.0		15.0			
Phenol-d5	0.7035 0.6162	0.7195 0.6089	0.6587 0.5581	0.6999 0.8915	0.7144	Ave		0.6856				14.0		15.0			
Nitrobenzene-d5	0.2754 0.2337	0.2711 0.2261	0.2766 0.2039	0.2844 +++++	0.2804	Ave		0.2564				12.0		15.0			
2-Fluorobiphenyl	1.4348 1.2347	1.2859 1.4098	1.2815 1.3178	1.3033 1.3172	1.3676	Ave		1.3281				4.8		15.0			
2,4,6-Tribromophenol	0.0329 0.0595	0.0340 0.0729	0.0408 0.0717	0.0522 0.0806	0.0642	Lin1	-0.009	0.0747							0.9900		0.9900
Terphenyl-d14	0.8004 0.7337	0.7995 0.8470	0.7687 0.7997	0.7757 0.8478	0.9335	Ave		0.8118				7.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Westfield Job No.: 360-24499-2 Analy Batch No.: 49400

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2009 15:32 Calibration End Date: 09/22/2009 19:41 Calibration ID: 4706

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49400/3	B10477.D
Level 2	STD025 360-49400/4	B10478.D
Level 3	STD05 360-49400/5	B10479.D
Level 4	STD1 360-49400/6	B10480.D
Level 5	STD25 360-49400/7	B10481.D
Level 6	STD5 360-49400/2	B10476.D
Level 7	STD8 360-49400/8	B10482.D
Level 8	STD10 360-49400/9	B10483.D
Level 9	STD20 360-49400/10	B10484.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	+++++ 430889	20312 730927	32026 1035756	78175 +++++	216607	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
1,4-Dioxane	DCB	None	+++++					+++++				
N-Nitrosodimethylamine	DCB	Ave	5972 322510	13603 547468	34323 763408	71545 1410514	176364	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrophenol	ANT	Qua	+++++ 40932	+++++ 123443	+++++ 209847	4859 445852	15071	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 20.0	2.50
Benzaldehyde	DCB	Ave	7489 337379	13115 578624	33359 775312	71854 +++++	172698	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Phenol	DCB	Ave	12163 629490	26091 1084732	61563 1463095	133458 2767825	321666	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Aniline	DCB	Ave	13831 741302	30227 1274963	73957 1726531	153282 3227695	380087	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethyl)ether	DCB	Ave	10485 502332	22468 866834	53118 1183318	107177 +++++	259725	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2-Chlorophenol	DCB	Ave	9635 530312	22223 931840	54424 1232369	113288 2328210	279674	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzoic acid	NPT	Qua	+++++ 88386	1106 344152	3880 657380	14552 +++++	46171	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Pentachlorophenol	PHN	Qua	+++++ 92940	+++++ 215873	+++++ 332928	7824 693970	36133	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 20.0	2.50
1,4-Dichlorobenzene	DCB	Ave	13490 651917	29238 1093647	69256 1484034	140893 2771429	336214	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,3-Dichlorobenzene	DCB	Ave	14231 671438	31854 1141801	70644 1552523	148243 +++++	348543	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Benzyl alcohol	DCB	Ave	7024 452331	15819 773957	39896 1061738	89556 +++++	225647	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24499-2 Analy Batch No.: 49400

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2009 15:32 Calibration End Date: 09/22/2009 19:41 Calibration ID: 4706

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
1,2-Dichlorobenzene	DCB	Lin1	14946 616889	30908 1039552	68639 1418289	132926 +++++	323517	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2-Methylphenol	DCB	Ave	9457 487070	19110 832793	49539 1120879	104413 2130186	250709	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,2'-oxybis[1-chloropropane]	DCB	Lin	20303 892606	41916 1512318	95596 2026361	199336 +++++	469346	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
3 & 4 Methylphenol	DCB	Ave	8909 519763	19905 879321	51689 1184497	105121 2254767	260157	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodi-n-propylamine	DCB	Ave	5947 362468	13762 624668	35270 869372	74867 +++++	186330	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Acetophenone	DCB	Ave	13910 708079	32108 1217508	72530 1676724	150485 3154851	363482	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitrophenol	ANT	Lin1	+++++ 147581	+++++ 260466	8273 370103	21415 688447	60466	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Hexachloroethane	DCB	Ave	4499 233722	9966 396410	23584 550932	49586 1034231	120858	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene	NPT	Ave	9557 581502	24326 979970	56910 1333371	121158 +++++	295386	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
4,6-Dinitro-2-methylphenol	PHN	Qua	+++++ 88997	+++++ 203492	4382 319482	12986 656364	33155	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Isophorone	NPT	Ave	16024 979473	35655 1664312	88633 2285057	200046 +++++	496384	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2,4-Dimethylphenol	NPT	Ave	9377 561806	20488 941997	51890 1304359	108960 +++++	272568	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2-Nitrophenol	NPT	Ave	4094 278778	8353 528523	23331 741358	54899 1402509	150039	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethoxy)methane	NPT	Ave	10805 562609	24525 958980	60265 1323968	120849 +++++	289108	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2,4-Dichlorophenol	NPT	Ave	8233 439115	16050 754969	41156 1039168	90057 +++++	225826	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
1,2,4-Trichlorobenzene	NPT	Qua	10434 499535	23427 864818	53695 1177496	110225 2168029	264671	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Alpha-Terpineol	NPT	Ave	8835 487365	19490 841097	47295 1165049	99384 +++++	246876	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Naphthalene	NPT	Qua	34348 1618283	78518 2714151	174942 3669288	355285 +++++	849216	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
4-Chloroaniline	NPT	Ave	11372 655855	26995 1135441	61439 1605681	133411 +++++	333234	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Hexachlorobutadiene	NPT	Lin	5765 256987	11864 439227	26440 605681	56517 +++++	132714	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Caprolactam	NPT	Qua	2578 228093	5845 395344	15582 554869	40931 1022296	110000	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.: 360-24499-2 Analy Batch No.: 49400

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2009 15:32 Calibration End Date: 09/22/2009 19:41 Calibration ID: 4706

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	7757 448958	16350 778601	41102 1065813	88584 +++++	222635	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2-Methylnaphthalene	NPT	Ave	21131 1082653	49011 1872781	113811 2548579	234933 +++++	569730	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
1-Methylnaphthalene	NPT	Lin	21163 1059915	48515 1823949	114813 2491704	229449 +++++	547747	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Hexachlorocyclopentadiene	ANT	Lin1	2472 179741	5078 313012	13766 451039	32999 800869	78931	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2,4,5-Tetrachlorobenzene	NPT	Lin	9203 430949	19343 741256	44423 1015527	95831 +++++	222613	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2,4,6-Trichlorophenol	ANT	Lin1	3792 279519	9324 505218	26605 699662	55901 1317921	143500	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,5-Trichlorophenol	ANT	Lin1	4799 295772	10121 542524	27601 735084	60427 1383001	153373	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,1'-Biphenyl	ANT	Ave	25859 1259265	57649 2167976	137870 2936790	279695 5038850	660228	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chloronaphthalene	ANT	Ave	24804 1218136	55191 1962217	128517 2709354	263555 4865342	612694	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenyl ether	NPT	Ave	13020 673314	30149 1171815	73558 1624999	145073 +++++	358357	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
4-Nitroaniline	ANT	Lin1	4689 340266	10714 593850	27576 814305	62660 1533798	163523	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dimethyl phthalate	ANT	Ave	20905 1147621	49193 1931811	119148 2643173	253418 4689070	575575	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,6-Dinitrotoluene	ANT	Lin2	2976 264218	9400 453582	24891 621792	55404 1174146	131791	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthylene	ANT	Ave	27453 1602018	64208 2742973	159272 3723572	340453 6179998	817433	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3-Nitroaniline	ANT	Lin1	3758 247545	8351 435112	22350 599772	51540 1118616	128451	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthene	ANT	Ave	21812 1061916	47497 1871010	112102 2567193	225607 4478559	540036	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrotoluene	ANT	Lin1	3775 319688	9247 591597	27164 821220	64687 1575934	161447	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenzofuran	ANT	Ave	27958 1390117	65725 2407367	149360 3264156	302302 5548087	720141	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	1736 208665	4570 382997	15266 546207	36629 1011550	98109	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diethyl phthalate	ANT	Ave	24943 1158273	51481 1988840	122276 2740233	246695 4799880	585423	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chlorophenyl phenyl ether	ANT	Ave	10338 509938	23191 895754	51851 1235429	109733 2284783	262115	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.: 360-24499-2 Analy Batch No.: 49400

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2009 15:32 Calibration End Date: 09/22/2009 19:41 Calibration ID: 4706

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-Nitroaniline	ANT	Lin1	3415 275759	8770 503934	25834 724387	53632 1299915	134348	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluorene	ANT	Ave	22651 1186192	52954 2083099	120286 2840734	250829 4907207	598758	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diphenylamine	PHN	Ave	17755 975393	43433 1717220	98780 2339705	205204 4182249	495812	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodiphenylamine	PHN	Ave	17755 975393	43433 1717220	98780 2339705	205204 4182249	495812	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Diphenylhydrazine	PHN	Ave	29522 1860665	67267 3232413	175627 4426570	377673 7664189	935574	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Azobenzene	PHN	Ave	29522 1860665	67267 3232413	175627 4426570	377673 7664189	935574	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzophenone	PHN	Ave	15715 1115131	42316 1968986	108788 2727680	228458 4897728	553915	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Bromophenyl phenyl ether	PHN	Ave	4863 271789	11787 469405	29339 648260	58098 1211232	135624	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobenzene	PHN	Ave	5569 249960	11452 442438	27454 613688	51968 1121617	130146	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Atrazine	PHN	Ave	4750 290895	10496 508448	26676 709025	60167 1299048	142272	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzidine	PHN	Qua	+++++ 132411	1454 481249	6554 758484	26585 1728954	65114	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachloronitrobenzene	PHN	Lin1	1608 115733	4060 212661	9177 303722	23309 575796	57606	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenanthrene	PHN	Ave	34579 1550932	72608 2668995	162463 3597083	326663 5957230	766778	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Anthracene	PHN	Ave	26557 1533314	59918 2639164	150076 3588006	317204 5933008	746573	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Carbazole	PHN	Ave	24439 1213658	54923 2076312	133859 2843868	274564 4852480	611998	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-butyl phthalate	PHN	Ave	47674 1856559	82770 3185246	188840 4282368	387931 6657448	932906	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluoranthene	PHN	Ave	26828 1426274	56127 2425089	142357 3368690	286119 5840728	686658	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pyrene	CRY	Ave	26218 1510072	60268 2529790	147262 3508169	303076 6156629	709678	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Butyl benzyl phthalate	CRY	Lin1	8789 729935	19560 1266098	58060 1783685	126389 3284068	339398	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3,3'-Dichlorobenzidine	CRY	Lin1	2622 307107	7036 524541	19872 750826	47844 1431429	115685	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-ethylhexyl) phthalate	CRY	Lin1	14035 1023471	24908 1828326	69366 2575963	161460 4789512	458100	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.: 360-24499-2 Analy Batch No.: 49400

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2009 15:32 Calibration End Date: 09/22/2009 19:41 Calibration ID: 4706

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	16396 1042475	35225 1696745	94868 2396717	197963 4309332	421225	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Chrysene	CRY	Ave	17315 987518	38825 1608946	96085 2244555	191669 4041745	406803	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-octyl phthalate	PRY	Lin1	12260 1583707	29199 2857632	88102 4046108	230571 7072263	666318	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[b]fluoranthene	PRY	Ave	17793 996875	32810 1585461	91374 2253685	185608 3926119	371465	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[k]fluoranthene	PRY	Ave	14820 884504	30672 1481646	82795 2064836	172113 3781266	343330	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[a]pyrene	PRY	Ave	12459 769810	22896 1257257	63391 1779897	134227 3144311	266981	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	Ave	12549 686334	20460 1130866	51017 1574900	113194 2616225	228960	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenz(a,h)anthracene	PRY	Ave	9891 539133	15596 907350	41199 1267481	91546 2163270	177958	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	12551 582711	21944 955071	52289 1312340	108383 2116396	209292	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorophenol	DCB	Ave	8262 443731	18807 761405	42947 1045275	94444 +++++	239427	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Phenol-d5	DCB	Ave	11042 599608	25969 1038794	57327 1416896	124934 2663045	309112	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene-d5	NPT	Ave	10408 573267	23798 1004668	58538 1350871	123083 +++++	295065	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2-Fluorobiphenyl	ANT	Ave	26163 1194163	55569 2067298	127810 2782986	265224 4843890	618088	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Tribromophenol	PHN	Lin1	983 95768	2315 177767	6696 250038	17296 486964	46905	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Terphenyl-d14	CRY	Ave	15874 892449	35526 1531814	88114 2134073	176069 3862214	423137	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
Lin2 = Linear 1/conc^2 ISTD
None = No Calib Curve
Qua = Quadratic ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10476.D		
Lims ID:	std5	Client ID:	
Inject. Date:	22-Sep-2009 15:32:30	Dil. Factor:	1.0000
Sample Type:	ICIS, ICal ISTD Check	Calib Level:	6
Sample ID:	std5		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	49400	Lims Sample ID:	2
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	25-Sep-2009 14:42:33	Calib Date:	22-Sep-2009 19:41:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 08:15:17
Reviewed By:	sullivanp	Date:	24-Sep-2009 10:21:03
Reviewed By:	sullivanp	Date:	24-Sep-2009 10:37:51
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:09:07
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:14:19
Reviewed By:	sullivanp	Date:	30-Oct-2009 09:15:46
Reviewed By:	sullivanp	Date:	30-Oct-2009 11:47:01

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.692	7.692	0.000	389233	2.00	
* 2 Naphthalene-d8	136	8.823	8.823	0.000	981208	2.00	
* 3 Acenaphthene-d10	164	10.323	10.323	0.000	386865	2.00	
* 4 Phenanthrene-d10	188	11.583	11.583	0.000	643728	2.00	
* 5 Chrysene-d12	240	14.997	14.997	0.000	486579	2.00	
* 6 Perylene-d12	264	17.382	17.382	0.000	373112	2.00	
$ 7 2-Fluorophenol	112	6.409	6.409	0.000	443731	4.63	
$ 8 Phenol-d5	99	7.322	7.322	0.000	599608	4.49	
$ 9 Nitrobenzene-d5	82	8.188	8.188	0.000	573267	4.56	
$ 10 2-Fluorobiphenyl	172	9.717	9.717	0.000	1194163	4.65	
$ 11 2,4,6-Tribromophenol	330	10.986	10.986	0.000	95768	4.11	
$ 12 Terphenyl-d14	244	13.112	13.112	0.000	892449	4.52	
14 1,4-Dioxane	88	4.307	4.307	0.000	315	0	
15 N-Nitrosodimethylamine	42	4.615	4.615	0.000	322510	4.41	
16 Pyridine	79	4.634	4.634	0.000	430889	4.92	
17 Benzaldehyde	105	7.293	7.293	0.000	337379	4.60	
18 Phenol	94	7.337	7.337	0.000	629490	4.49	
19 Aniline	93	7.390	7.390	0.000	741302	4.53	
20 Bis(2-chloroethyl)ether	93	7.433	7.433	0.000	502332	4.50	
21 2-Chlorophenol	128	7.500	7.500	0.000	530312	4.47	
22 1,4-Dichlorobenzene	146	7.644	7.644	0.000	651917	4.40	
23 1,3-Dichlorobenzene	146	7.707	7.707	0.000	671438	4.45	
24 Benzyl alcohol	79	7.798	7.798	0.000	452331	5.02	
25 1,2-Dichlorobenzene	146	7.851	7.851	0.000	616889	5.16	
26 2-Methylphenol	108	7.885	7.885	0.000	487070	4.50	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	7.914	7.914	0.000	892606	5.29	
28 3 & 4 Methylphenol	108	8.015	8.015	0.000	519763	4.65	
29 N-Nitrosodi-n-propylamine	70	8.029	8.029	0.000	362468	4.81	
30 Acetophenone	105	8.044	8.044	0.000	708079	4.40	
31 Hexachloroethane	117	8.154	8.154	0.000	233722	4.45	
32 Nitrobenzene	77	8.202	8.202	0.000	581502	4.70	
33 Isophorone	82	8.399	8.399	0.000	979473	4.84	
34 2-Nitrophenol	139	8.481	8.481	0.000	278778	5.06	
35 2,4-Dimethylphenol	107	8.481	8.481	0.000	561806	4.88	
36 Benzoic acid	105	8.515	8.515	0.000	88386	4.48	M
37 Bis(2-chloroethoxy)methane	93	8.563	8.563	0.000	562609	4.48	
38 2,4-Dichlorophenol	162	8.683	8.683	0.000	439115	4.70	
39 1,2,4-Trichlorobenzene	180	8.765	8.765	0.000	499535	4.86	
40 Alpha-Terpineol	59	8.813	8.813	0.000	487365	4.65	
41 Naphthalene	128	8.842	8.842	0.000	1618283	4.78	
42 4-Chloroaniline	127	8.866	8.866	0.000	655855	4.67	
43 Hexachlorobutadiene	225	8.928	8.928	0.000	256987	5.32	
44 Caprolactam	55	9.150	9.150	0.000	228093	4.90	
45 4-Chloro-3-methylphenol	107	9.246	9.246	0.000	448958	4.81	
46 2-Methylnaphthalene	142	9.428	9.428	0.000	1082653	4.43	
47 1-Methylnaphthalene	142	9.515	9.515	0.000	1059915	5.31	
48 Hexachlorocyclopentadiene	237	9.553	9.553	0.000	179741	4.49	
49 1,2,4,5-Tetrachlorobenzene	216	9.568	9.568	0.000	430949	5.31	
50 2,4,6-Trichlorophenol	196	9.654	9.654	0.000	279519	4.30	
51 2,4,5-Trichlorophenol	196	9.688	9.688	0.000	295772	4.31	
52 1,1'-Biphenyl	154	9.813	9.813	0.000	1259265	4.68	
53 2-Chloronaphthalene	162	9.847	9.847	0.000	1218136	4.81	
54 Phenyl ether	170	9.895	9.895	0.000	673314	4.40	
68 4-Nitroaniline	138	9.914	9.914	0.000	340266	4.48	
56 Dimethyl phthalate	163	10.034	10.034	0.000	1147621	4.84	
57 2,6-Dinitrotoluene	165	10.102	10.102	0.000	264218	4.70	
58 Acenaphthylene	152	10.207	10.207	0.000	1602018	4.96	
59 3-Nitroaniline	138	10.256	10.256	0.000	247545	4.43	
60 2,4-Dinitrophenol	184	10.342	10.342	0.000	40932	3.57	
61 Acenaphthene	153	10.352	10.352	0.000	1061916	4.69	
62 4-Nitrophenol	109	10.357	10.357	0.000	147581	4.43	
63 2,4-Dinitrotoluene	165	10.448	10.448	0.000	319688	4.19	
64 Dibenzofuran	168	10.491	10.491	0.000	1390117	4.70	
65 2,3,4,6-Tetrachlorophenol	232	10.583	10.583	0.000	208665	4.25	
66 Diethyl phthalate	149	10.621	10.621	0.000	1158273	4.71	
67 4-Chlorophenyl phenyl ether	204	10.756	10.756	0.000	509938	4.66	
55 2-Nitroaniline	65	10.775	10.775	0.000	275759	4.27	
69 Fluorene	166	10.785	10.785	0.000	1186192	4.78	
70 4,6-Dinitro-2-methylphenol	198	10.794	10.794	0.000	88997	4.06	
71 Diphenylamine	169	10.847	10.847	0.000	975393	4.70	
72 N-Nitrosodiphenylamine	169	10.847	10.847	0.000	975393	4.70	
73 1,2-Diphenylhydrazine	77	10.890	10.890	0.000	1860665	4.96	
74 Azobenzene	77	10.890	10.890	0.000	1860665	4.96	
13 Benzophenone	105	10.900	10.900	0.000	1115131	4.91	
75 4-Bromophenyl phenyl ether	248	11.174	11.174	0.000	271789	4.68	
76 Hexachlorobenzene	284	11.256	11.256	0.000	249960	4.49	
77 Atrazine	200	11.265	11.265	0.000	290895	4.90	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.410	11.412	-0.002	92940	4.21	
79 Pentachloronitrobenzene	237	11.419	11.419	0.000	115733	4.12	
80 Phenanthrene	178	11.607	11.607	0.000	1550932	4.65	
81 Anthracene	178	11.650	11.650	0.000	1533314	4.92	
83 Carbazole	167	11.766	11.766	0.000	1213658	4.63	
84 Di-n-butyl phthalate	149	11.987	11.987	0.000	1856559	4.63	
87 Fluoranthene	202	12.713	12.713	0.000	1426274	4.86	
86 Benzidine	184	12.814	12.826	-0.012	132411	3.20	
85 Pyrene	202	12.992	12.992	0.000	1510072	4.59	
89 Butyl benzyl phthalate	149	13.771	13.771	0.000	729935	4.38	
91 3,3'-Dichlorobenzidine	252	14.872	14.872	0.000	307107	4.39	
92 Bis(2-ethylhexyl) phthalate	149	14.882	14.882	0.000	1023471	4.28	
93 Benzo[a]anthracene	228	14.973	14.973	0.000	1042475	4.89	
94 Chrysene	228	15.050	15.050	0.000	987518	4.71	
95 Di-n-octyl phthalate	149	16.026	16.026	0.000	1583707	4.11	
97 Benzo[b]fluoranthene	252	16.728	16.728	0.000	996875	4.76	
98 Benzo[k]fluoranthene	252	16.771	16.771	0.000	884504	4.62	
99 Benzo[a]pyrene	252	17.291	17.291	0.000	769810	4.94	
100 Indeno[1,2,3-cd]pyrene	276	19.604	19.604	0.000	686334	5.01	
101 Dibenz(a,h)anthracene	278	19.633	19.633	0.000	539133	4.94	
102 Benzo[g,h,i]perylene	276	20.277	20.277	0.000	582711	4.65	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Oct-2009 11:47:03 Chrom Revision: 1.1 26-Oct-2009 10:54:26

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10476.D

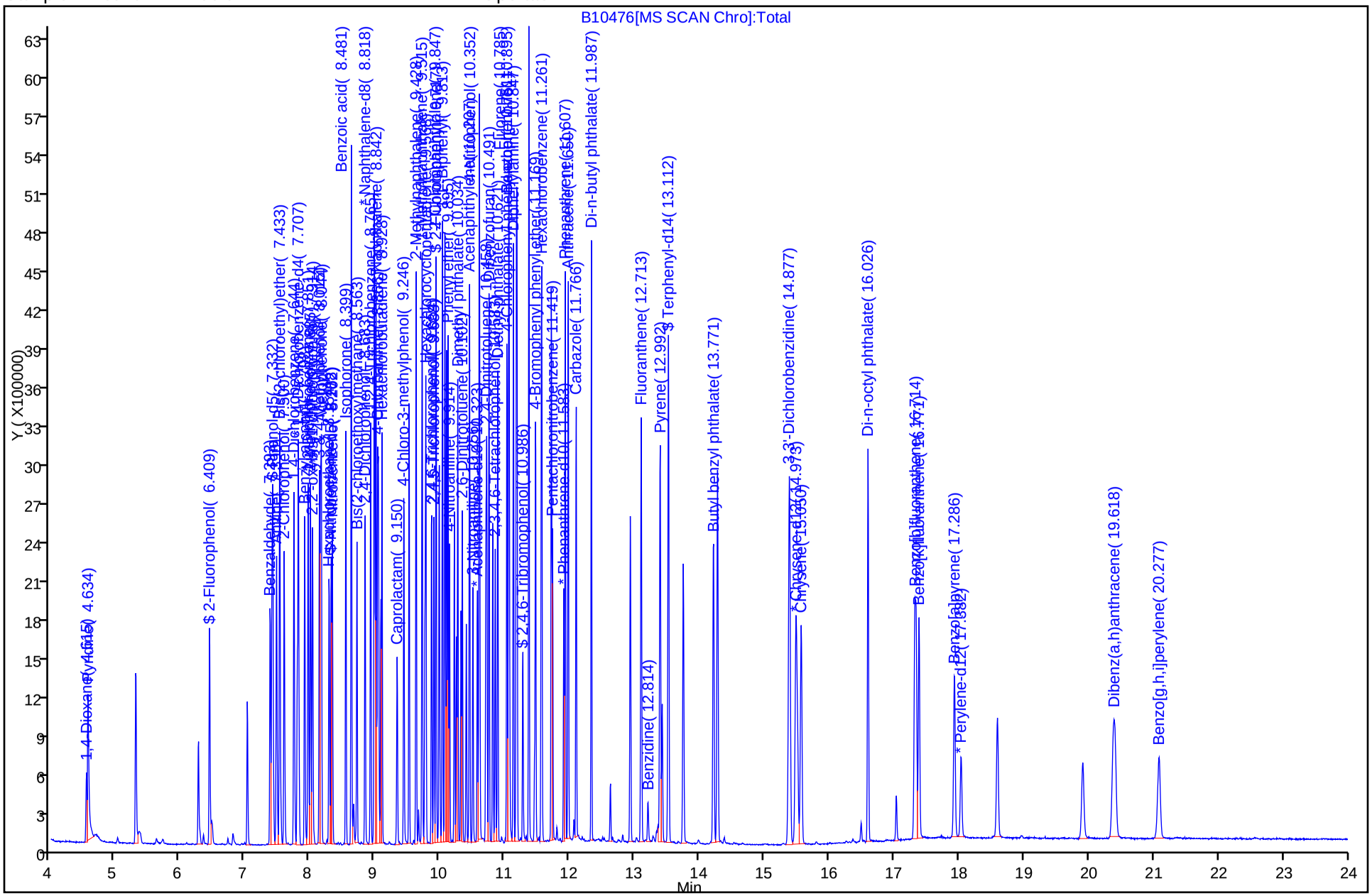
Inj Date: 22-Sep-2009 15:32:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49400 Lims Sample ID: 2

Client ID: Instrument: Inst. B

Sample Info: std5

Sample Amount: 1.00 ul Operator: MZ



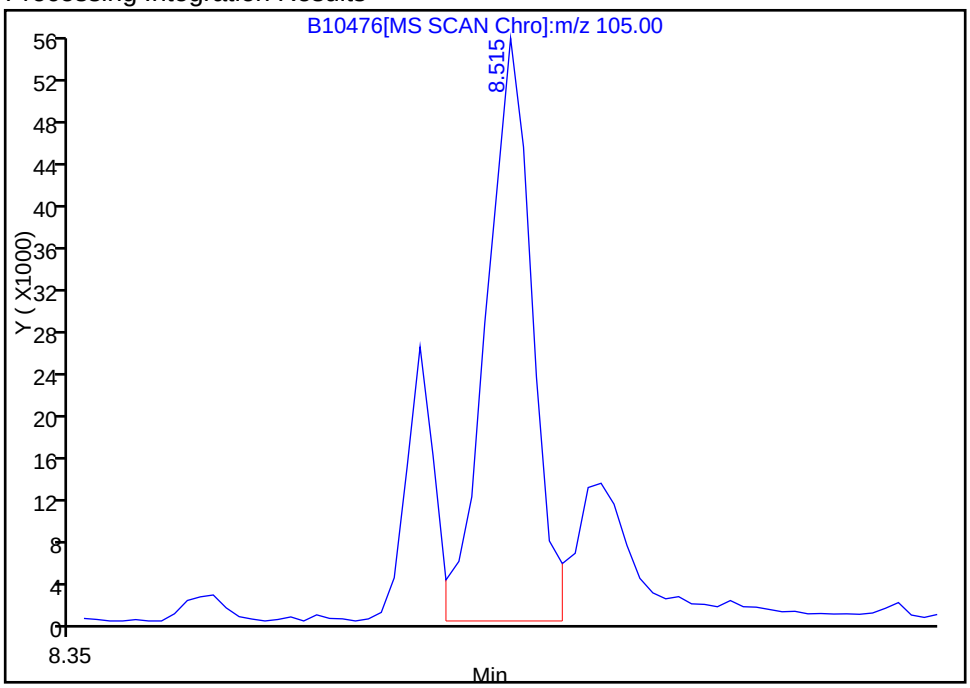
Chrom Revision: 1.1 26-Oct-2009 10:54:26
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10476.D		
Inj Date:	22-Sep-2009 15:32:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	2
Client ID:		Instrument:	Inst. B
Sample Info:	std5		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 8.51

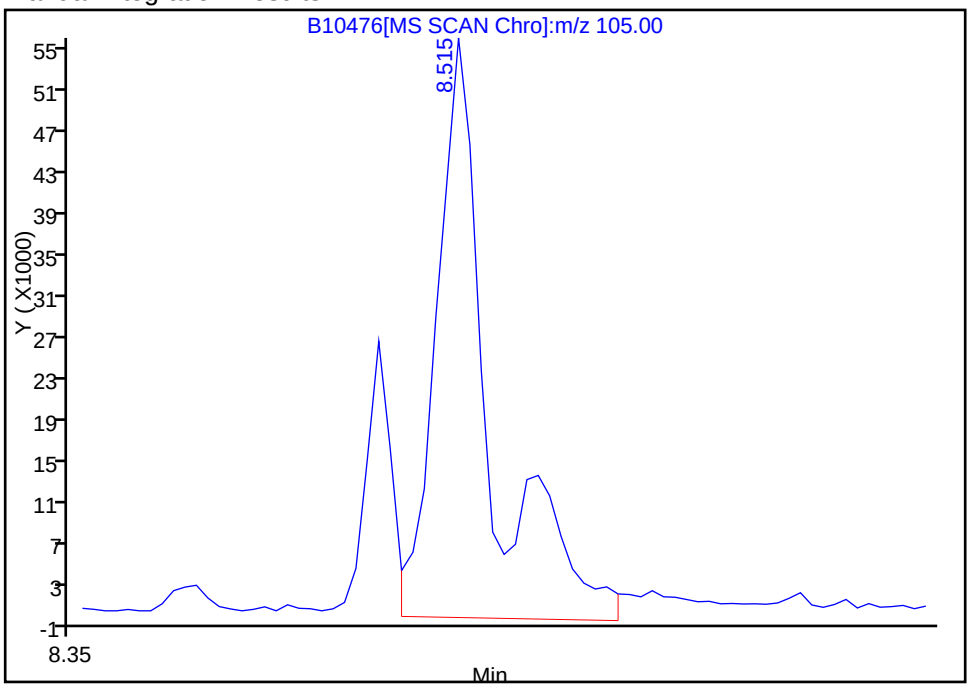
Processing Integration Results

RT: 8.51
Response: 65830
Amount: 5.000000



Manual Integration Results

RT: 8.51
Response: 88386
Amount: 4.483330



Reviewer: sullivanp, 24-Sep-2009 11:09:07
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10477.D		
Lims ID:	std01	Client ID:	
Inject. Date:	22-Sep-2009 16:03:30	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:	49400	Lims Sample ID:	3
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	25-Sep-2009 14:42:33	Calib Date:	22-Sep-2009 19:41:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 10:40:16
Reviewed By:	sullivanp	Date:	24-Sep-2009 10:51:05
Reviewed By:	sullivanp	Date:	30-Oct-2009 11:47:17

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.691	7.691	0.000	313917	2.00	
* 2 Naphthalene-d8	136	8.821	8.821	0.000	755735	2.00	
* 3 Acenaphthene-d10	164	10.321	10.321	0.000	364691	2.00	
* 4 Phenanthrene-d10	188	11.581	11.581	0.000	596902	2.00	
* 5 Chrysene-d12	240	14.990	14.990	0.000	396662	2.00	
* 6 Perylene-d12	264	17.385	17.385	0.000	305661	2.00	
$ 7 2-Fluorophenol	112	6.411	6.407	0.004	8262	0.1070	
$ 8 Phenol-d5	99	7.320	7.320	0.000	11042	0.1026	
$ 9 Nitrobenzene-d5	82	8.186	8.186	0.000	10408	0.1074	
$ 10 2-Fluorobiphenyl	172	9.720	9.720	0.000	26163	0.1080	
$ 11 2,4,6-Tribromophenol	330	10.985	10.985	0.000	983	0.1665	
$ 12 Terphenyl-d14	244	13.105	13.110	-0.005	15874	0.0986	
15 N-Nitrosodimethylamine	42	4.632	4.613	0.019	5972	0.1012	
17 Benzaldehyde	105	7.296	7.296	0.000	7489	0.1265	
18 Phenol	94	7.335	7.330	0.005	12163	0.1076	
19 Aniline	93	7.388	7.388	0.000	13831	0.1047	
20 Bis(2-chloroethyl)ether	93	7.431	7.431	0.000	10485	0.1164	
21 2-Chlorophenol	128	7.498	7.498	0.000	9635	0.1006	
22 1,4-Dichlorobenzene	146	7.643	7.642	0.001	13490	0.1128	
23 1,3-Dichlorobenzene	146	7.705	7.705	0.000	14231	0.1168	
24 Benzyl alcohol	79	7.801	7.796	0.005	7024	0.0967	
25 1,2-Dichlorobenzene	146	7.849	7.849	0.000	14946	0.0580	
26 2-Methylphenol	108	7.883	7.883	0.000	9457	0.1083	
27 2,2'-oxybis[1-chloropropane]	45	7.912	7.912	0.000	20303	-0.1683	7
28 3 & 4 Methylphenol	108	8.013	8.013	0.000	8909	0.0987	
29 N-Nitrosodi-n-propylamine	70	8.032	8.027	0.005	5947	0.0979	
30 Acetophenone	105	8.042	8.042	0.000	13910	0.1071	
31 Hexachloroethane	117	8.157	8.152	0.005	4499	0.1063	
32 Nitrobenzene	77	8.200	8.200	0.000	9557	0.1002	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
33 Isophorone	82	8.398	8.397	0.001	16024	0.1028	
34 2-Nitrophenol	139	8.484	8.479	0.005	4094	0.0964	
35 2,4-Dimethylphenol	107	8.479	8.479	0.000	9377	0.1059	
37 Bis(2-chloroethoxy)methane	93	8.561	8.561	0.000	10805	0.1116	
38 2,4-Dichlorophenol	162	8.681	8.681	0.000	8233	0.1144	
39 1,2,4-Trichlorobenzene	180	8.763	8.763	0.000	10434	0.0164	
40 Alpha-Terpineol	59	8.811	8.811	0.000	8835	0.1096	
41 Naphthalene	128	8.840	8.840	0.000	34348	0.0691	
42 4-Chloroaniline	127	8.864	8.864	0.000	11372	0.1052	
43 Hexachlorobutadiene	225	8.926	8.926	0.000	5765	-0.1860	7
44 Caprolactam	55	9.128	9.143	-0.015	2578	0.1584	
45 4-Chloro-3-methylphenol	107	9.244	9.249	-0.005	7757	0.1080	
46 2-Methylnaphthalene	142	9.427	9.426	0.001	21131	0.1122	
47 1-Methylnaphthalene	142	9.513	9.513	0.000	21163	-0.2035	7
48 Hexachlorocyclopentadiene	237	9.556	9.556	0.000	2472	0.1553	
49 1,2,4,5-Tetrachlorobenzene	216	9.566	9.566	0.000	9203	-0.1916	7
50 2,4,6-Trichlorophenol	196	9.648	9.653	-0.004	3792	0.1381	
51 2,4,5-Trichlorophenol	196	9.686	9.686	0.000	4799	0.1406	
52 1,1'-Biphenyl	154	9.811	9.811	0.000	25859	0.1020	
53 2-Chloronaphthalene	162	9.845	9.845	0.000	24804	0.1039	
54 Phenyl ether	170	9.893	9.893	0.000	13020	0.1105	
68 4-Nitroaniline	138	9.912	9.912	0.000	4689	0.1465	
56 Dimethyl phthalate	163	10.033	10.032	0.000	20905	0.0936	
57 2,6-Dinitrotoluene	165	10.100	10.100	0.000	2976	0.1039	
58 Acenaphthylene	152	10.206	10.206	0.000	27453	0.0901	
59 3-Nitroaniline	138	10.254	10.254	0.000	3758	0.1349	
61 Acenaphthene	153	10.345	10.350	-0.005	21812	0.1022	
63 2,4-Dinitrotoluene	165	10.446	10.446	0.000	3775	0.1503	
64 Dibenzofuran	168	10.489	10.489	0.000	27958	0.1003	
65 2,3,4,6-Tetrachlorophenol	232	10.581	10.581	0.000	1736	0.1632	
66 Diethyl phthalate	149	10.614	10.619	-0.005	24943	0.1075	
67 4-Chlorophenyl phenyl ether	204	10.754	10.754	0.000	10338	0.1003	
55 2-Nitroaniline	65	10.773	10.773	0.000	3415	0.1425	
69 Fluorene	166	10.783	10.783	0.000	22651	0.0967	
71 Diphenylamine	169	10.845	10.845	0.000	17755	0.0922	
72 N-Nitrosodiphenylamine	169	10.845	10.845	0.000	17755	0.0922	
73 1,2-Diphenylhydrazine	77	10.888	10.888	0.000	29522	0.0849	
74 Azobenzene	77	10.888	10.888	0.000	29522	0.0849	
13 Benzophenone	105	10.898	10.898	0.000	15715	0.0746	
75 4-Bromophenyl phenyl ether	248	11.172	11.172	0.000	4863	0.0903	
76 Hexachlorobenzene	284	11.254	11.254	0.000	5569	0.1080	
77 Atrazine	200	11.264	11.263	0.001	4750	0.0863	
79 Pentachloronitrobenzene	237	11.417	11.417	0.000	1608	0.1497	
80 Phenanthrene	178	11.605	11.605	0.000	34579	0.1118	
81 Anthracene	178	11.648	11.648	0.000	26557	0.0920	
83 Carbazole	167	11.764	11.764	0.000	24439	0.1005	
84 Di-n-butyl phthalate	149	11.985	11.985	0.000	47674	0.1284	
87 Fluoranthene	202	12.711	12.711	0.000	26828	0.0986	
85 Pyrene	202	12.990	12.990	0.000	26218	0.0978	
89 Butyl benzyl phthalate	149	13.764	13.769	-0.005	8789	0.1347	
91 3,3'-Dichlorobenzidine	252	14.865	14.865	0.000	2622	0.1644	M
92 Bis(2-ethylhexyl) phthalate	149	14.875	14.880	-0.005	14035	0.1579	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
93 Benzo[a]anthracene	228	14.971	14.971	0.000	16396	0.0943	
94 Chrysene	228	15.043	15.043	0.000	17315	0.1013	
95 Di-n-octyl phthalate	149	16.024	16.024	0.000	12260	0.1657	
97 Benzo[b]fluoranthene	252	16.726	16.721	0.005	17793	0.1038	
98 Benzo[k]fluoranthene	252	16.770	16.770	0.000	14820	0.0946	
99 Benzo[a]pyrene	252	17.289	17.284	0.005	12459	0.0975	
100 Indeno[1,2,3-cd]pyrene	276	19.607	19.602	0.005	12549	0.1117	
101 Dibenz(a,h)anthracene	278	19.631	19.626	0.005	9891	0.1105	
102 Benzo[g,h,i]perylene	276	20.275	20.270	0.005	12551	0.1222	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

Report Date: 30-Oct-2009 11:47:18 Chrom Revision: 1.1 26-Oct-2009 10:54:26

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10477.D

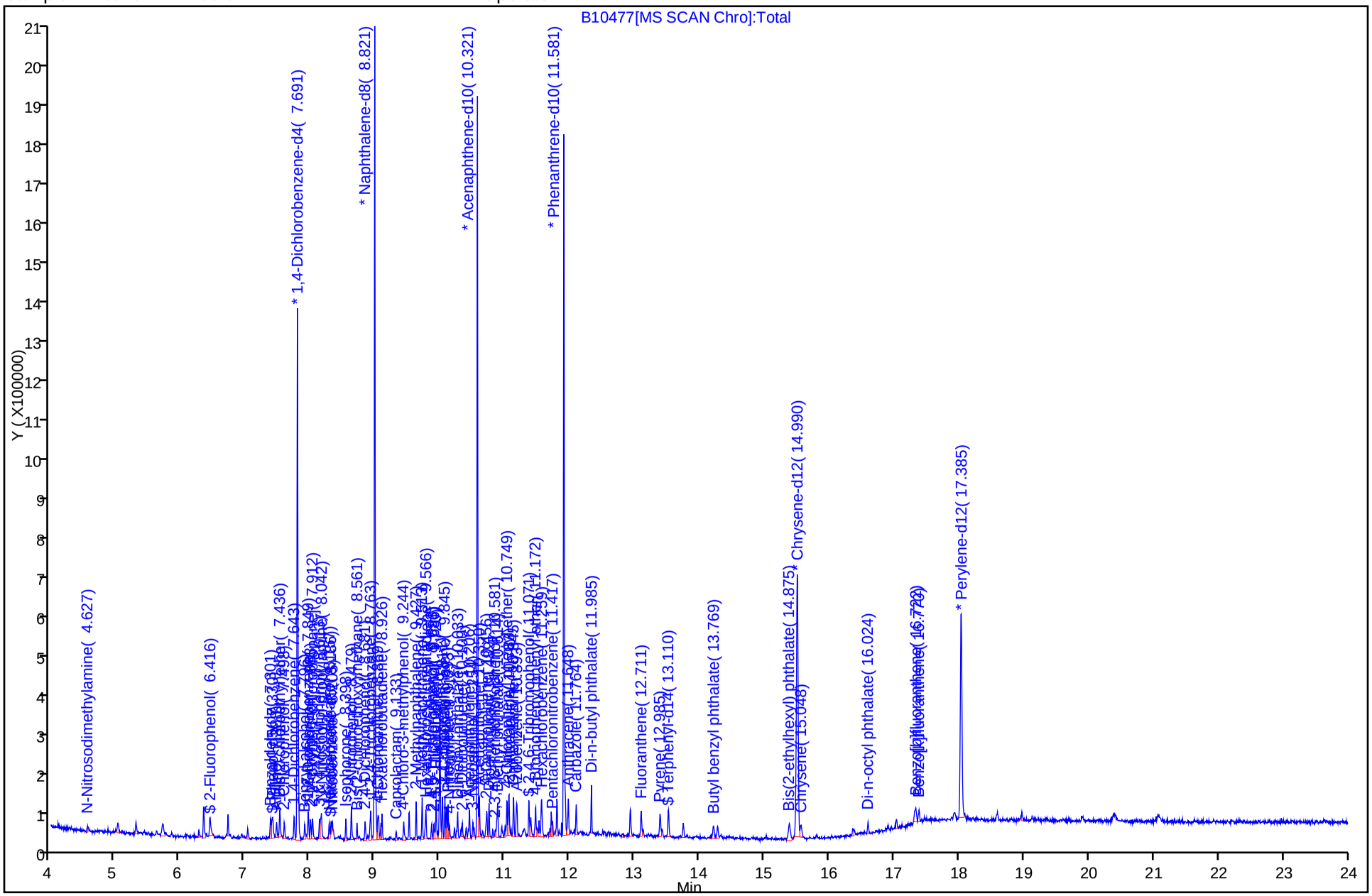
Inj Date: 22-Sep-2009 16:03:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49400 Lims Sample ID: 3

Client ID: Instrument: Inst. B

Sample Info: std01

Sample Amount: 1.00 ul Operator: MZ

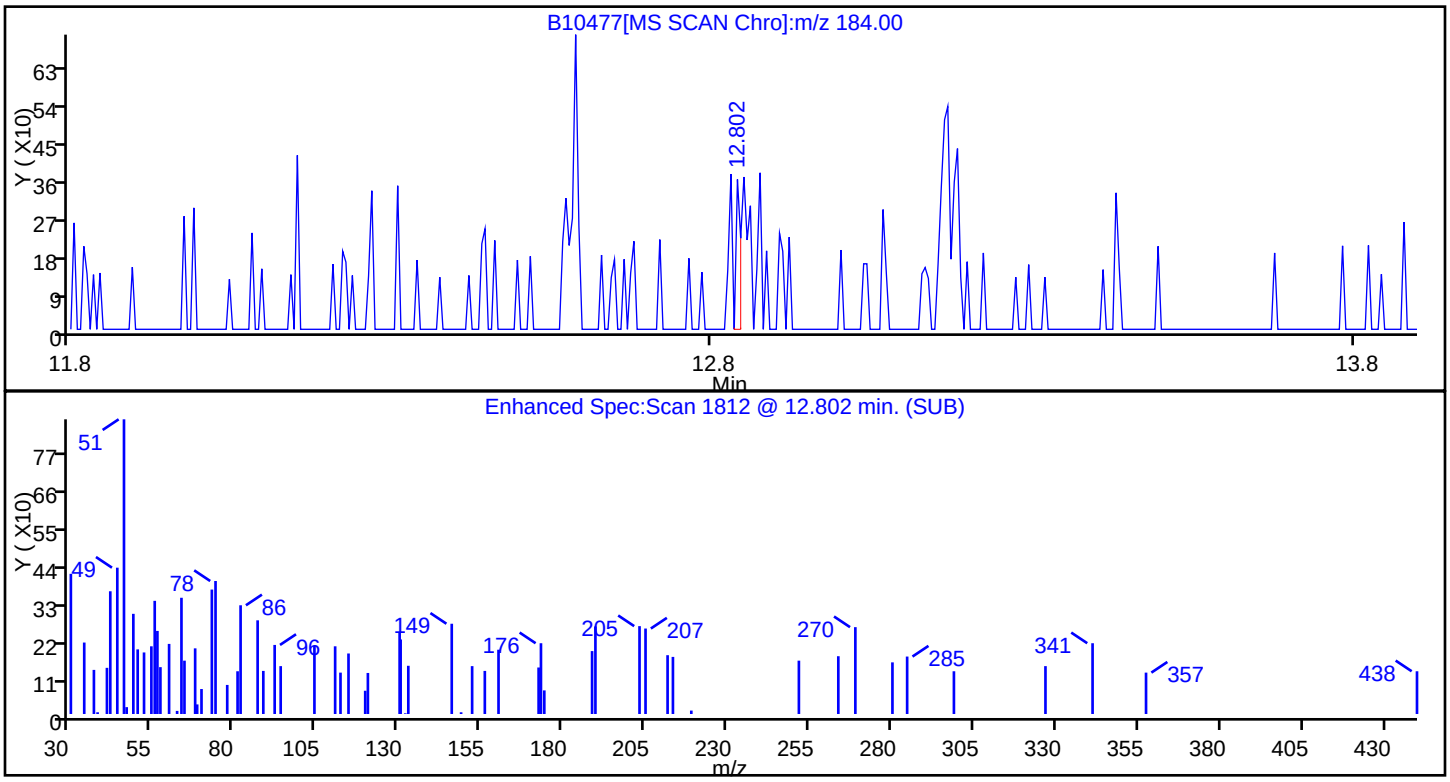


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10477.D		
Inj Date:	22-Sep-2009 16:03:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

86 Benzidine

Processing Results



RT	Mass	Response	Amount
12.80	184.00	166	0.100000
12.80	92.00	89	

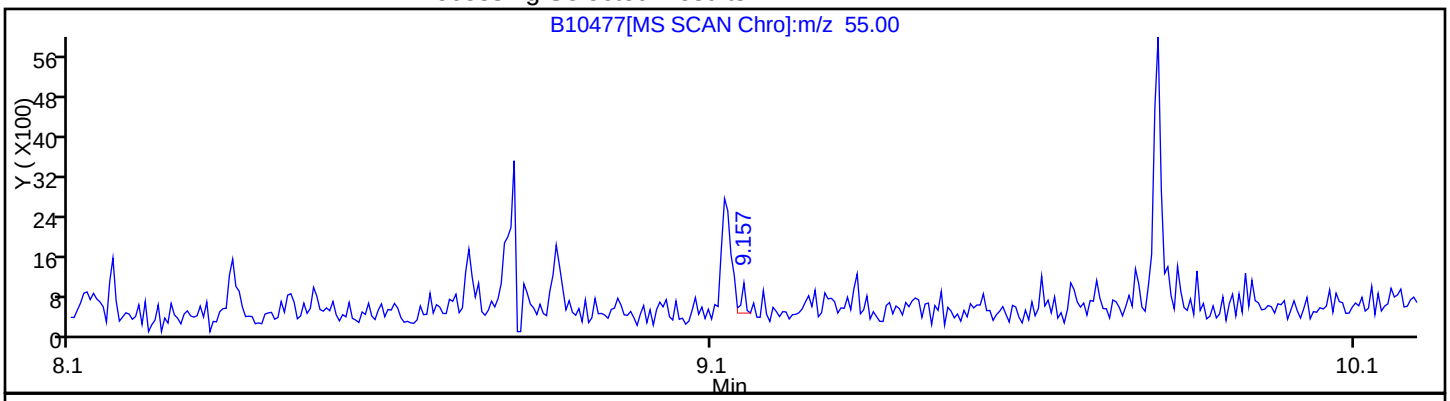
Reviewer: sullivanp, 24-Sep-2009 10:51:05
Audit Action: Marked Compound Undetected
Audit Reason:

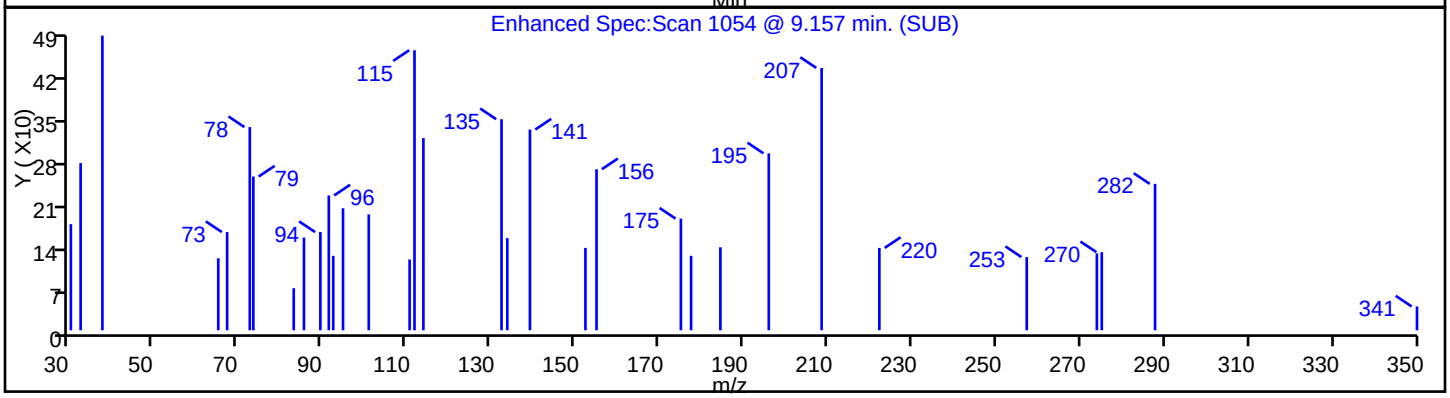
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10477.D		
Inj Date:	22-Sep-2009 16:03:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

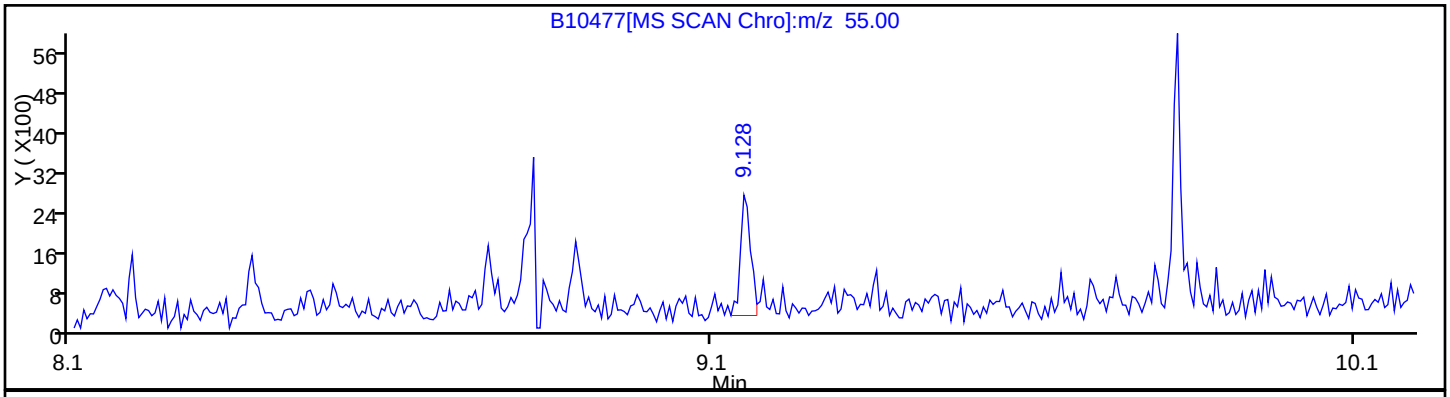
44 Caprolactam

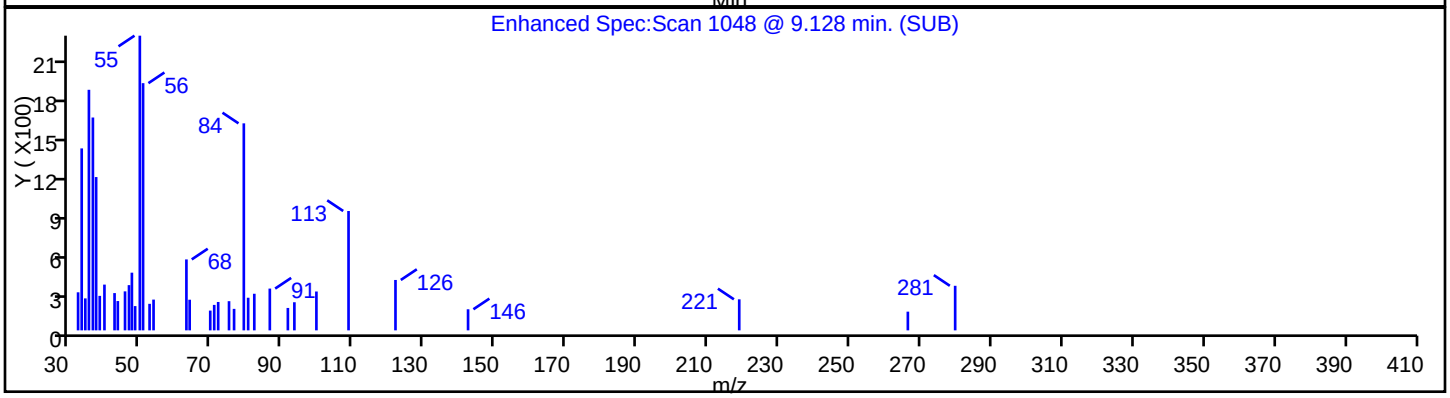
Processing Selected Results





Manual Selected Results





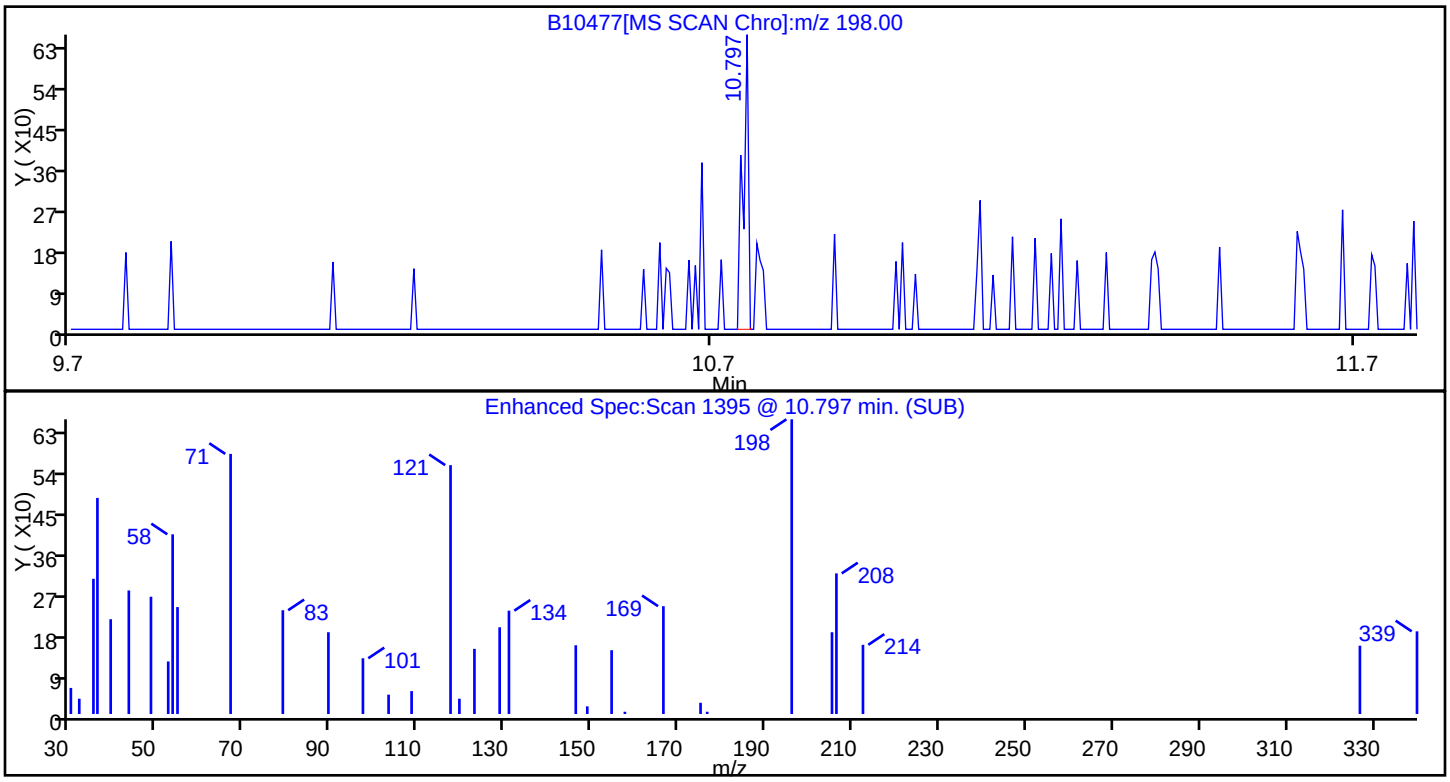
Reviewer: sullivanp, 24-Sep-2009 10:51:05
Audit Action: Selected Alternate Hit
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10477.D		
Inj Date:	22-Sep-2009 16:03:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

70 4,6-Dinitro-2-methylphenol

Processing Results



RT	Mass	Response	Amount
10.80	198.00	366	0.100000
10.80	121.00	211	
10.78	105.00	320	

Reviewer: sullivanp, 24-Sep-2009 10:51:05
Audit Action: Marked Compound Undetected
Audit Reason:

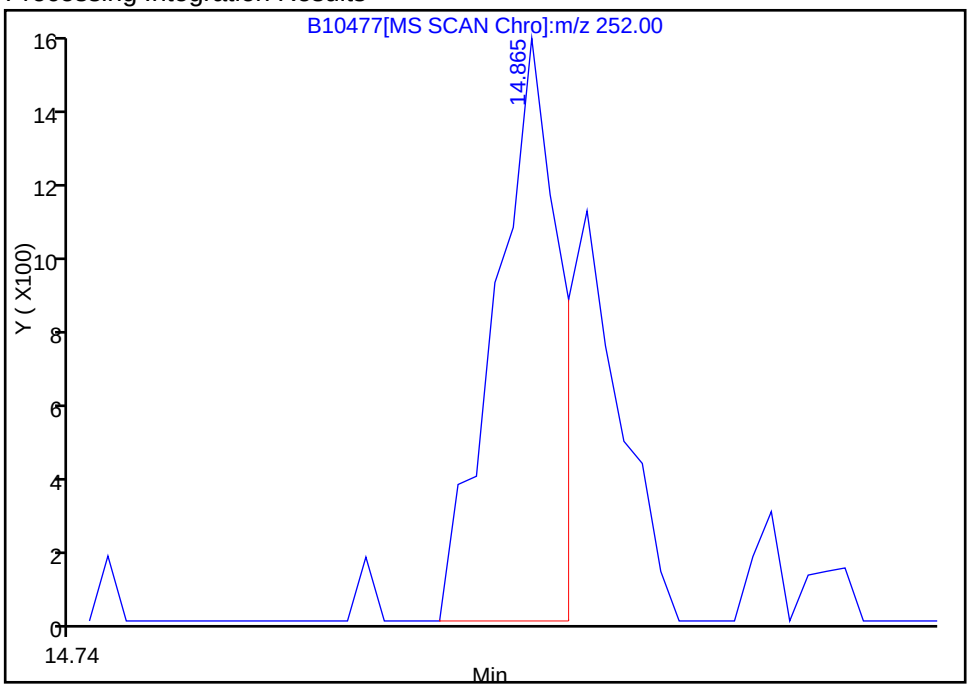
Chrom Revision: 1.1 26-Oct-2009 10:54:26
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10477.D		
Inj Date:	22-Sep-2009 16:03:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	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: 14.87

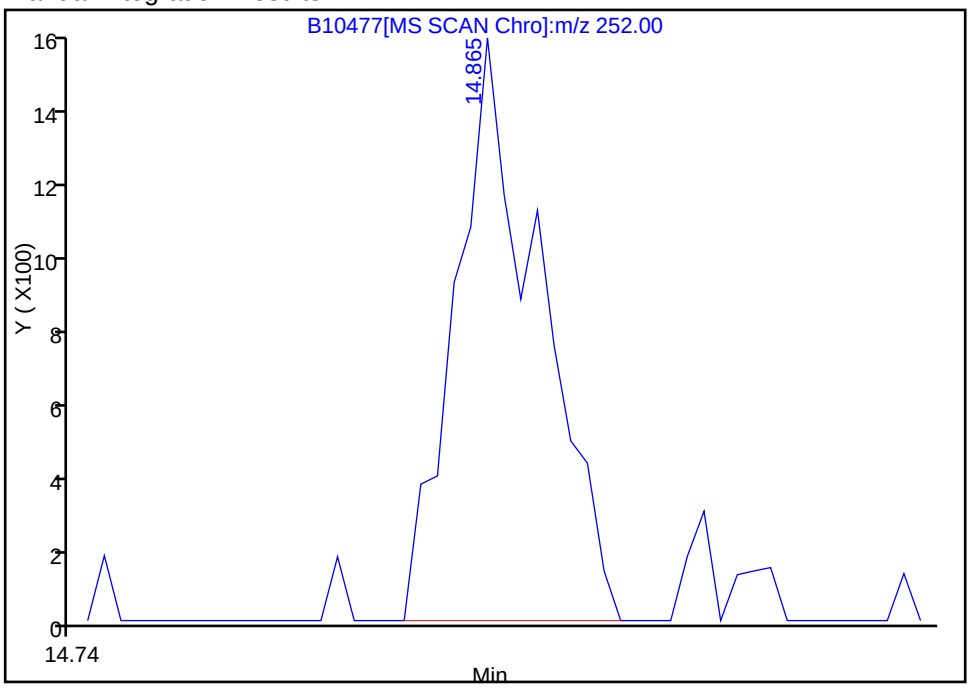
Processing Integration Results

RT: 14.87
Response: 1799
Amount: 0.100000



Manual Integration Results

RT: 14.87
Response: 2622
Amount: 0.164354



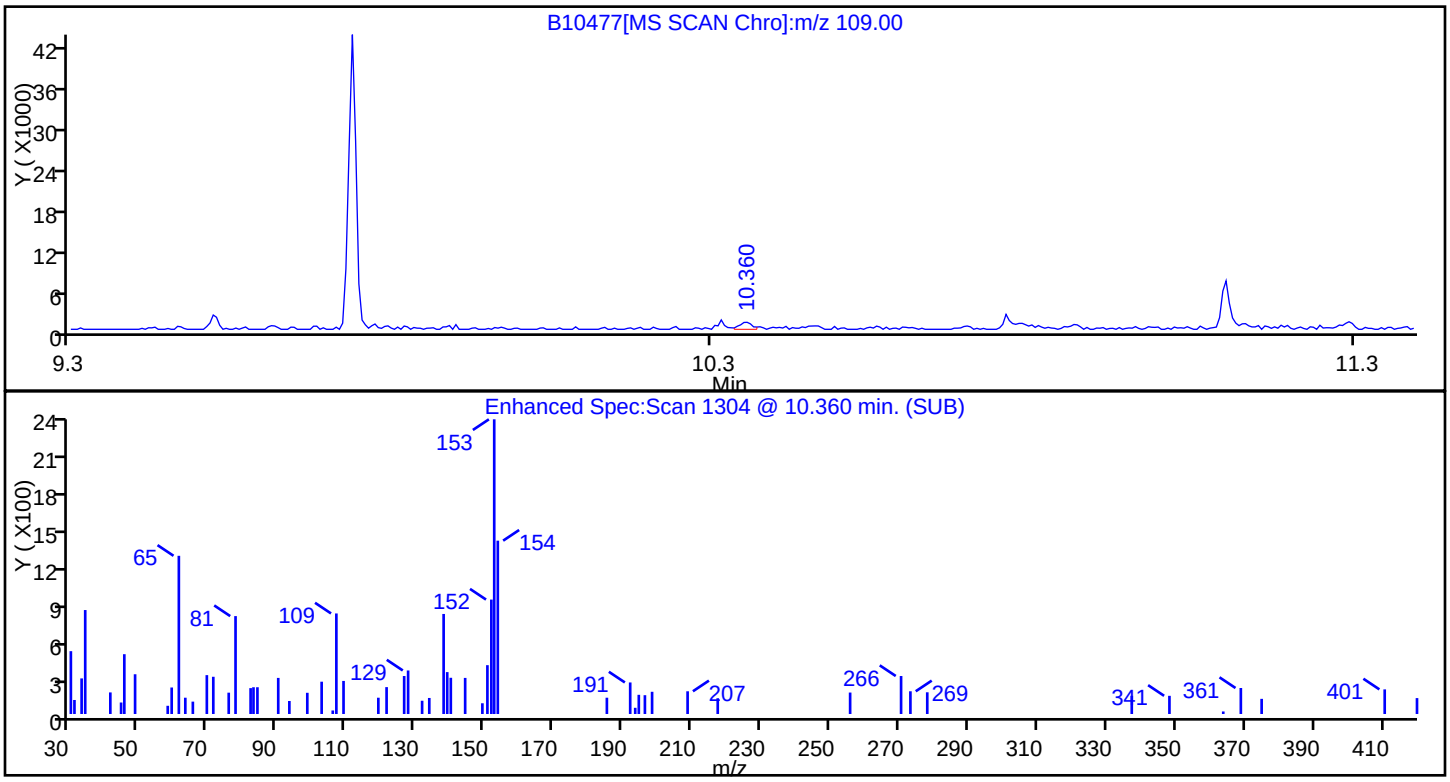
Reviewer: sullivanp, 24-Sep-2009 10:51:05
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10477.D		
Inj Date:	22-Sep-2009 16:03:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

62 4-Nitrophenol

Processing Results



RT	Mass	Response	Amount
10.36	109.00	1387	0.100000
10.36	139.00	1158	
10.35	64.00	894	

Reviewer: sullivanp, 24-Sep-2009 10:51:05
Audit Action: Marked Compound Undetected
Audit Reason:

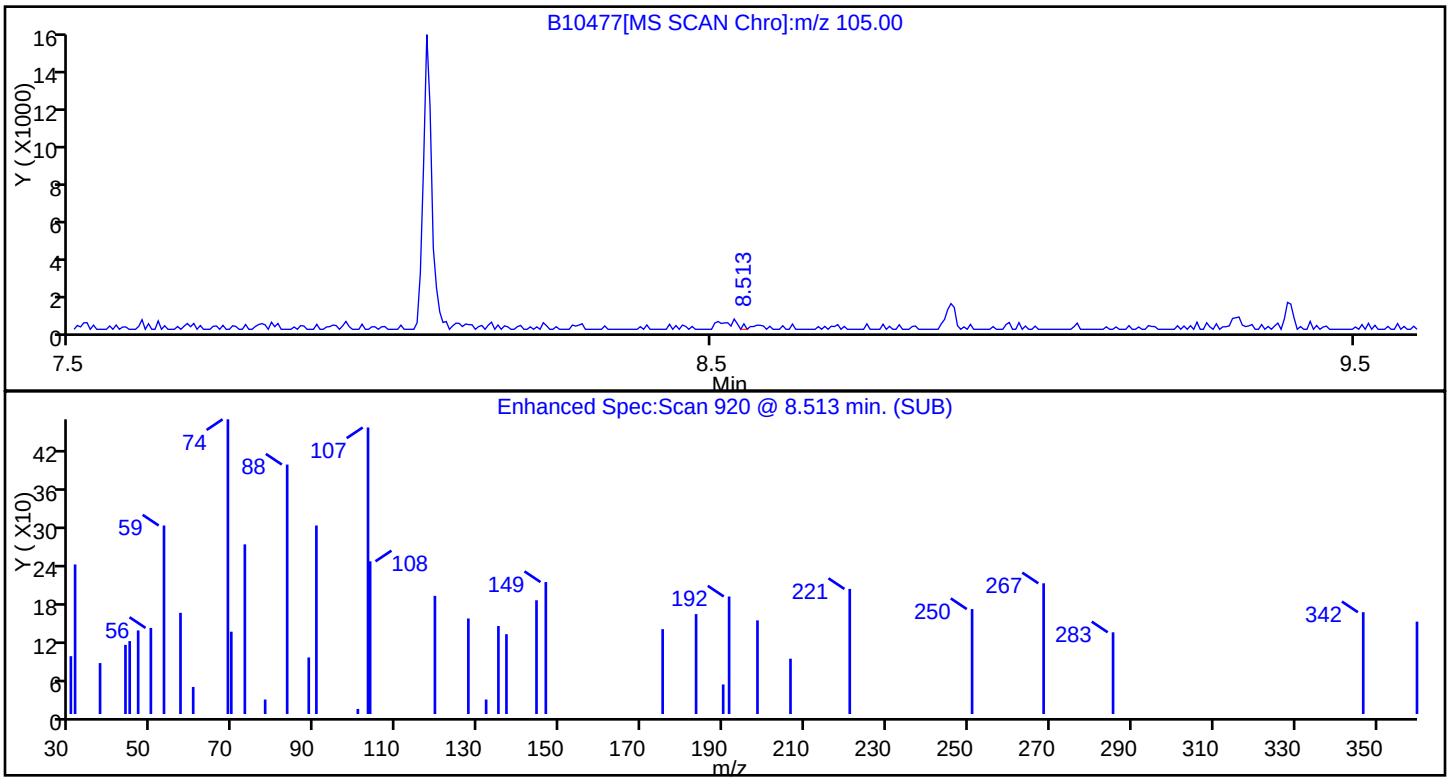
Chrom Revision: 1.1 26-Oct-2009 10:54:26

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10477.D		
Inj Date:	22-Sep-2009 16:03:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
8.51	105.00	85	0.100000
8.53	122.00	76	
8.52	77.00	137	

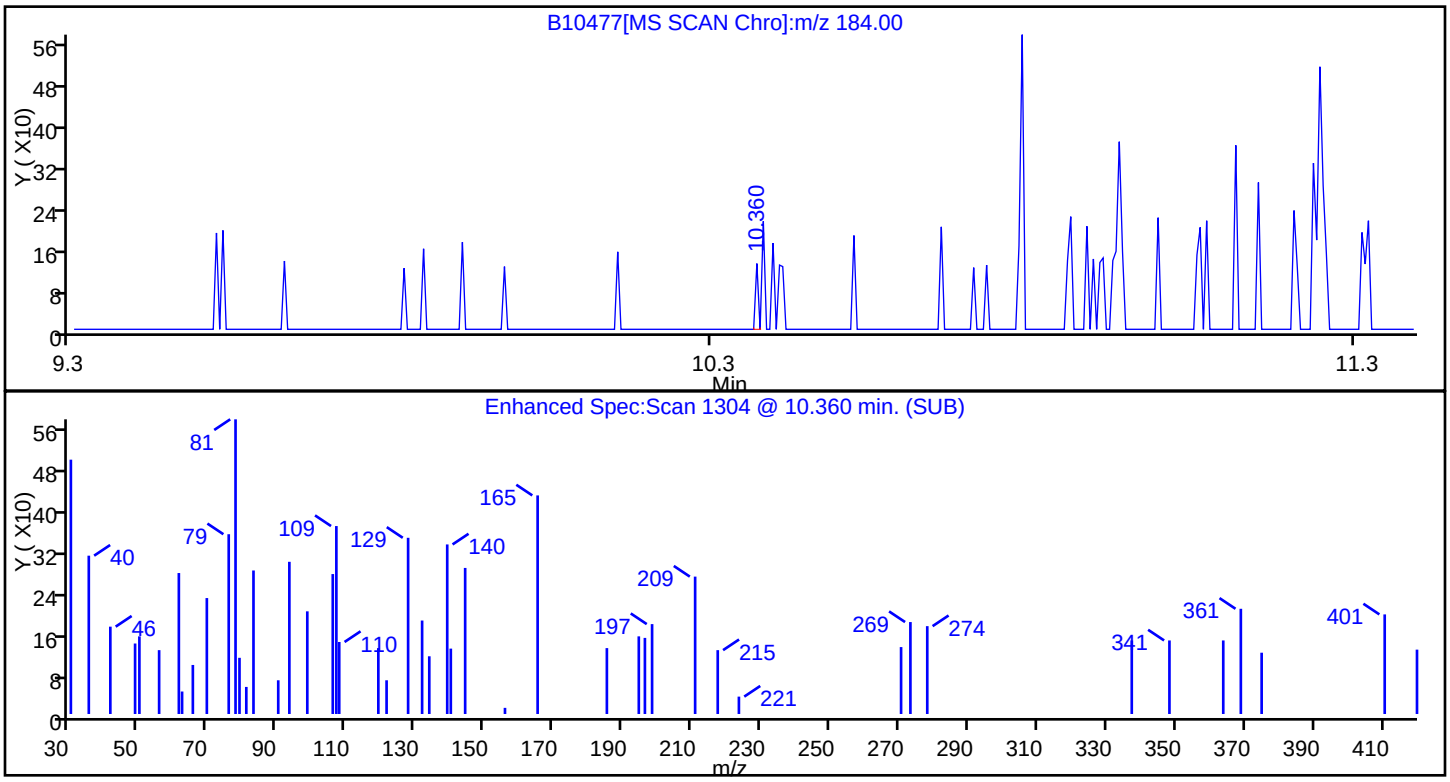
Reviewer: sullivanp, 24-Sep-2009 10:51:05
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10477.D		
Inj Date:	22-Sep-2009 16:03:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
10.36	184.00	37	0.009150
10.35	63.00	2138	
10.35	154.00	18593	

Reviewer: sullivanp, 24-Sep-2009 10:51:05
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10478.D		
Lims ID:	std025	Client ID:	
Inject. Date:	22-Sep-2009 16:34:30	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:	49400	Lims Sample ID:	4
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	25-Sep-2009 14:42:33	Calib Date:	22-Sep-2009 19:41:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 10:53:18
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:16:39
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:19:04
Reviewed By:	sullivanp	Date:	30-Oct-2009 11:47:34

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.691	7.691	0.000	288740	2.00	
* 2 Naphthalene-d8	136	8.821	8.821	0.000	702371	2.00	
* 3 Acenaphthene-d10	164	10.321	10.321	0.000	345720	2.00	
* 4 Phenanthrene-d10	188	11.581	11.581	0.000	544941	2.00	
* 5 Chrysene-d12	240	14.991	14.990	0.001	355481	2.00	
* 6 Perylene-d12	264	17.386	17.385	0.001	272729	2.00	
$ 7 2-Fluorophenol	112	6.407	6.407	0.000	18807	0.2647	
$ 8 Phenol-d5	99	7.321	7.320	0.001	25969	0.2624	
$ 9 Nitrobenzene-d5	82	8.186	8.186	0.000	23798	0.2642	
$ 10 2-Fluorobiphenyl	172	9.716	9.720	-0.004	55569	0.2421	
$ 11 2,4,6-Tribromophenol	330	10.985	10.985	0.000	2315	0.2361	
$ 12 Terphenyl-d14	244	13.111	13.110	0.001	35526	0.2462	
15 N-Nitrosodimethylamine	42	4.613	4.613	0.000	13603	0.2505	
16 Pyridine	79	4.748	4.637	0.111	20312	0.3128	M
17 Benzaldehyde	105	7.297	7.296	0.001	13115	0.2409	
18 Phenol	94	7.330	7.330	0.000	26091	0.2509	
19 Aniline	93	7.388	7.388	0.000	30227	0.2488	
20 Bis(2-chloroethyl)ether	93	7.431	7.431	0.000	22468	0.2711	
21 2-Chlorophenol	128	7.499	7.498	0.001	22223	0.2523	
22 1,4-Dichlorobenzene	146	7.643	7.642	0.001	29238	0.2659	
23 1,3-Dichlorobenzene	146	7.705	7.705	0.000	31854	0.2843	
24 Benzyl alcohol	79	7.797	7.796	0.001	15819	0.2367	
25 1,2-Dichlorobenzene	146	7.850	7.849	0.001	30908	0.2554	
26 2-Methylphenol	108	7.883	7.883	0.000	19110	0.2378	
27 2,2'-oxybis[1-chloropropane]	45	7.912	7.912	0.000	41916	0.0290	
28 3 & 4 Methylphenol	108	8.013	8.013	0.000	19905	0.2398	
29 N-Nitrosodi-n-propylamine	70	8.028	8.027	0.001	13762	0.2463	
30 Acetophenone	105	8.042	8.042	0.000	32108	0.2687	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
31 Hexachloroethane	117	8.153	8.152	0.001	9966	0.2560	
32 Nitrobenzene	77	8.201	8.200	0.001	24326	0.2745	
33 Isophorone	82	8.398	8.397	0.001	35655	0.2460	
34 2-Nitrophenol	139	8.480	8.479	0.001	8353	0.2116	
35 2,4-Dimethylphenol	107	8.480	8.479	0.001	20488	0.2489	
36 Benzoic acid	105	8.504	8.513	-0.009	1106	NaN	5
37 Bis(2-chloroethoxy)methane	93	8.561	8.561	0.000	24525	0.2727	
38 2,4-Dichlorophenol	162	8.682	8.681	0.001	16050	0.2400	
39 1,2,4-Trichlorobenzene	180	8.763	8.763	0.000	23427	0.1880	
40 Alpha-Terpineol	59	8.812	8.811	0.001	19490	0.2600	
41 Naphthalene	128	8.840	8.840	0.000	78518	0.2358	
42 4-Chloroaniline	127	8.864	8.864	0.000	26995	0.2687	
43 Hexachlorobutadiene	225	8.927	8.926	0.001	11864	0.0145	
44 Caprolactam	55	9.134	9.143	-0.009	5845	0.2497	
45 4-Chloro-3-methylphenol	107	9.244	9.249	-0.005	16350	0.2449	
46 2-Methylnaphthalene	142	9.427	9.426	0.001	49011	0.2800	
47 1-Methylnaphthalene	142	9.514	9.513	0.001	48515	0.0118	
48 Hexachlorocyclopentadiene	237	9.557	9.556	0.001	5078	0.2301	
49 1,2,4,5-Tetrachlorobenzene	216	9.566	9.566	0.000	19343	0.006219	7
50 2,4,6-Trichlorophenol	196	9.653	9.653	0.001	9324	0.2350	
51 2,4,5-Trichlorophenol	196	9.682	9.686	-0.004	10121	0.2299	
52 1,1'-Biphenyl	154	9.812	9.811	0.001	57649	0.2399	
53 2-Chloronaphthalene	162	9.845	9.845	0.000	55191	0.2439	
54 Phenyl ether	170	9.893	9.893	0.000	30149	0.2753	
68 4-Nitroaniline	138	9.913	9.912	0.001	10714	0.2372	
56 Dimethyl phthalate	163	10.033	10.032	0.001	49193	0.2322	
57 2,6-Dinitrotoluene	165	10.100	10.100	0.000	9400	0.2334	
58 Acenaphthylene	152	10.206	10.206	0.000	64208	0.2223	
59 3-Nitroaniline	138	10.254	10.254	0.000	8351	0.2293	
61 Acenaphthene	153	10.350	10.350	0.000	47497	0.2348	
63 2,4-Dinitrotoluene	165	10.447	10.446	0.000	9247	0.2315	
64 Dibenzofuran	168	10.490	10.489	0.001	65725	0.2486	
65 2,3,4,6-Tetrachlorophenol	232	10.581	10.581	0.000	4570	0.2279	
66 Diethyl phthalate	149	10.615	10.619	-0.004	51481	0.2341	
67 4-Chlorophenyl phenyl ether	204	10.754	10.754	0.000	23191	0.2374	
55 2-Nitroaniline	65	10.769	10.773	-0.004	8770	0.2364	
69 Fluorene	166	10.783	10.783	0.000	52954	0.2385	
71 Diphenylamine	169	10.846	10.845	0.001	43433	0.2471	
72 N-Nitrosodiphenylamine	169	10.846	10.845	0.001	43433	0.2471	
73 1,2-Diphenylhydrazine	77	10.889	10.888	0.001	67267	0.2119	
74 Azobenzene	77	10.889	10.888	0.001	67267	0.2119	
13 Benzophenone	105	10.899	10.898	0.001	42316	0.2201	
75 4-Bromophenyl phenyl ether	248	11.173	11.172	0.001	11787	0.2398	
76 Hexachlorobenzene	284	11.254	11.254	0.000	11452	0.2432	
77 Atrazine	200	11.259	11.263	-0.004	10496	0.2089	
79 Pentachloronitrobenzene	237	11.418	11.417	0.001	4060	0.2564	
80 Phenanthrene	178	11.605	11.605	0.000	72608	0.2572	
81 Anthracene	178	11.649	11.648	0.001	59918	0.2273	
83 Carbazole	167	11.764	11.764	0.000	54923	0.2475	
84 Di-n-butyl phthalate	149	11.985	11.985	0.000	82770	0.2441	
87 Fluoranthene	202	12.711	12.711	0.000	56127	0.2259	
86 Benzidine	184	12.812	12.812	0.000	1454	0.6250	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
85 Pyrene	202	12.990	12.990	0.000	60268	0.2508	
89 Butyl benzyl phthalate	149	13.769	13.769	0.000	19560	0.2290	
91 3,3'-Dichlorobenzidine	252	14.871	14.865	0.006	7036	0.2536	M
92 Bis(2-ethylhexyl) phthalate	149	14.885	14.880	0.005	24908	0.2270	
93 Benzo[a]anthracene	228	14.972	14.971	0.001	35225	0.2261	
94 Chrysene	228	15.044	15.043	0.001	38825	0.2535	
95 Di-n-octyl phthalate	149	16.030	16.024	0.006	29199	0.2286	
97 Benzo[b]fluoranthene	252	16.722	16.721	0.001	32810	0.2145	
98 Benzo[k]fluoranthene	252	16.765	16.770	-0.005	30672	0.2193	
99 Benzo[a]pyrene	252	17.285	17.284	0.001	22896	0.2009	
100 Indeno[1,2,3-cd]pyrene	276	19.598	19.602	-0.004	20460	0.2041	
101 Dibenz(a,h)anthracene	278	19.627	19.626	0.000	15596	0.1953	
102 Benzo[g,h,i]perylene	276	20.266	20.270	-0.004	21944	0.2395	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

Report Date: 30-Oct-2009 11:47:35 Chrom Revision: 1.1 26-Oct-2009 10:54:26

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10478.D

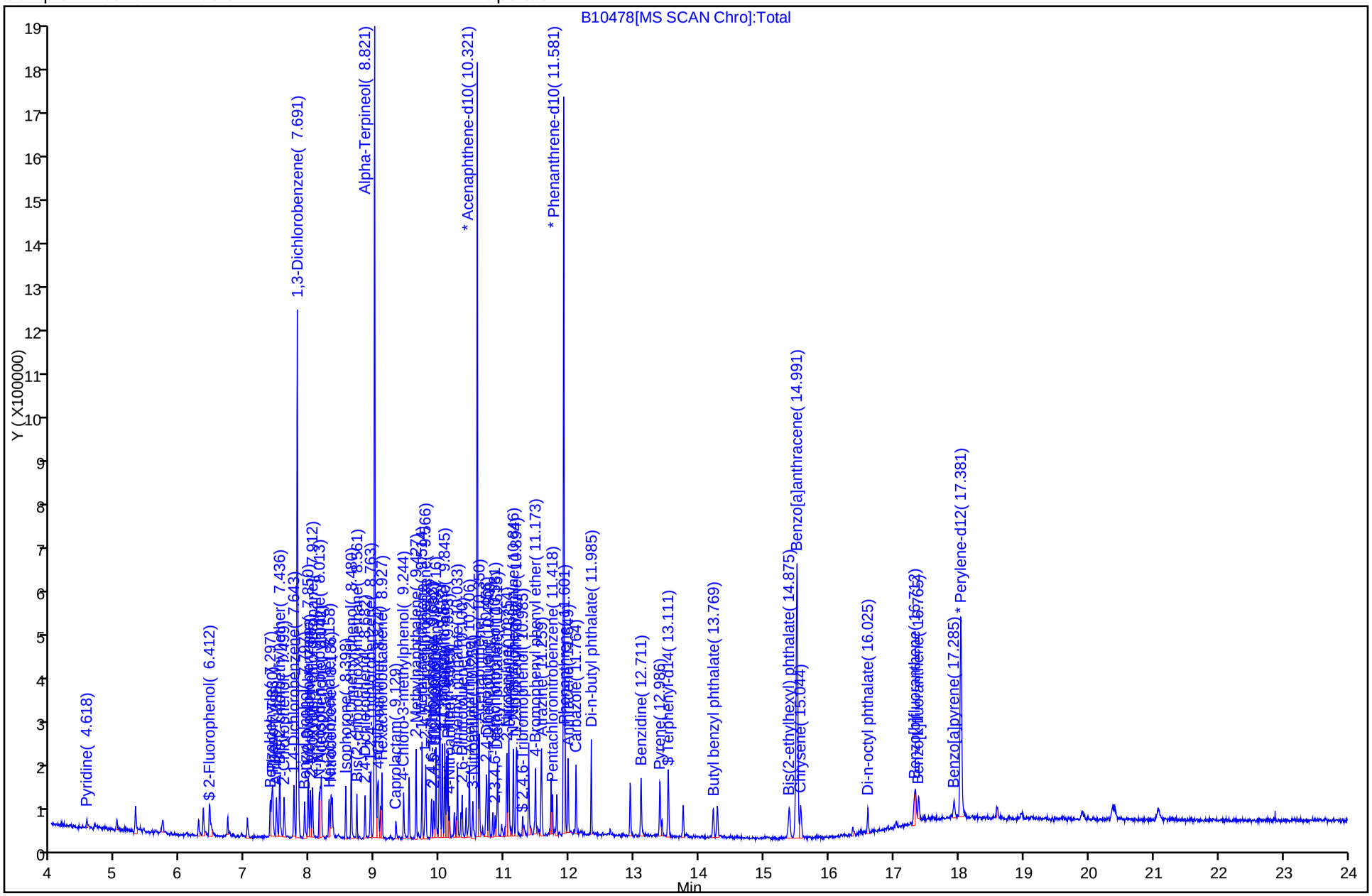
Inj Date: 22-Sep-2009 16:34:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49400 Lims Sample ID: 4

Client ID: Instrument: Inst. B

Sample Info: std025

Sample Amount: 1.00 ul Operator: MZ

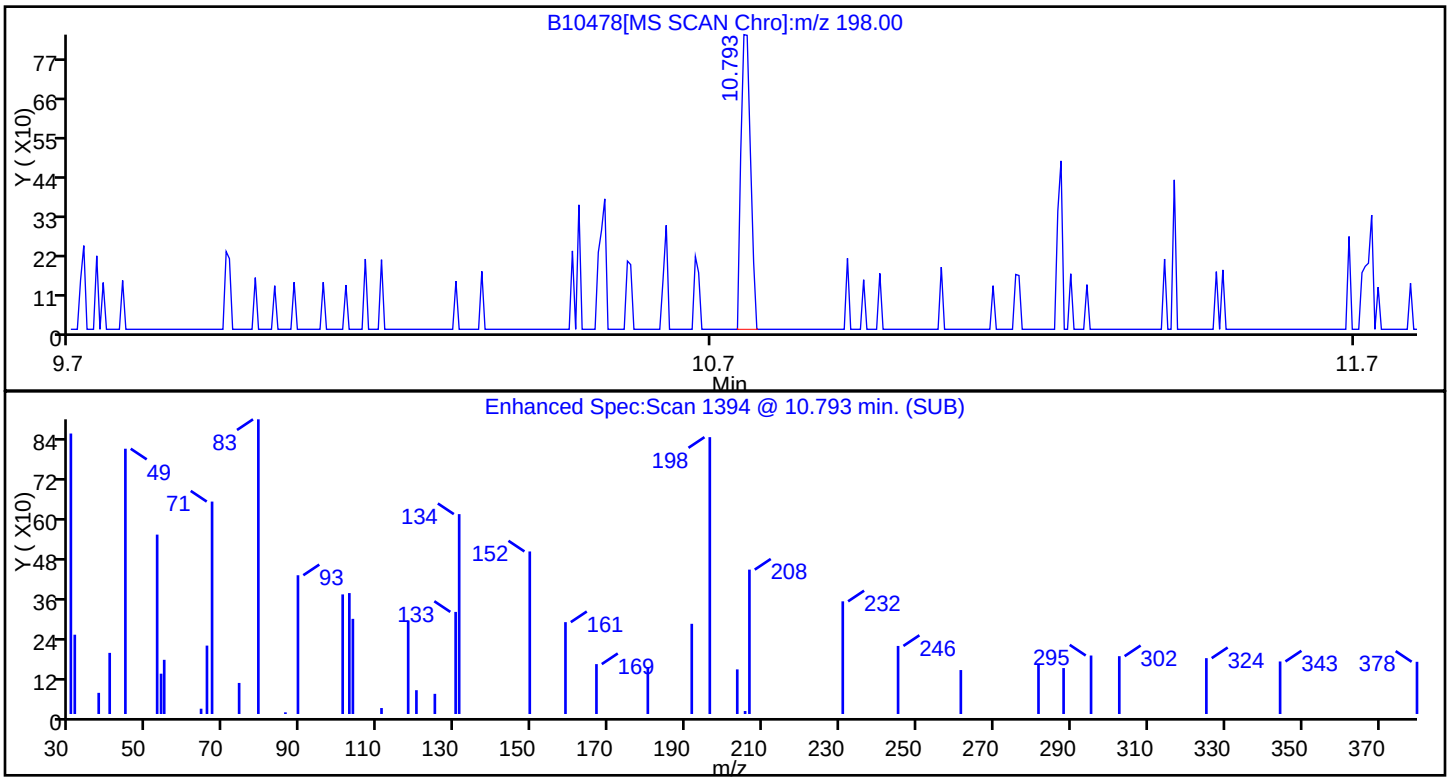


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10478.D		
Inj Date:	22-Sep-2009 16:34:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

70 4,6-Dinitro-2-methylphenol

Processing Results



RT	Mass	Response	Amount
10.79	198.00	827	0.165203
10.79	121.00	329	
10.80	105.00	896	

Reviewer: sullivanp, 24-Sep-2009 10:53:18
Audit Action: Marked Compound Undetected
Audit Reason:

Chrom Revision: 1.1 26-Oct-2009 10:54:26

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10478.D		
Inj Date:	22-Sep-2009 16:34:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

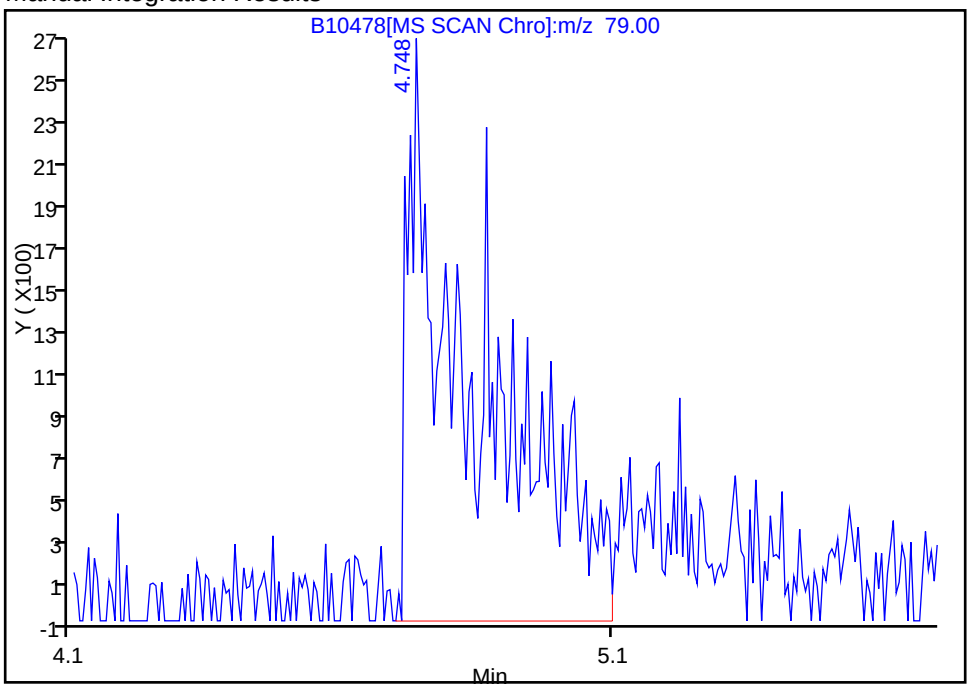
16 Pyridine, Number: 1, m/z: 79 Type: quant, RT: 4.64

Processing Integration Results

Not Detected
Expected RT: 4.64

Manual Integration Results

RT: 4.75
Response: 20312
Amount: 0.312803



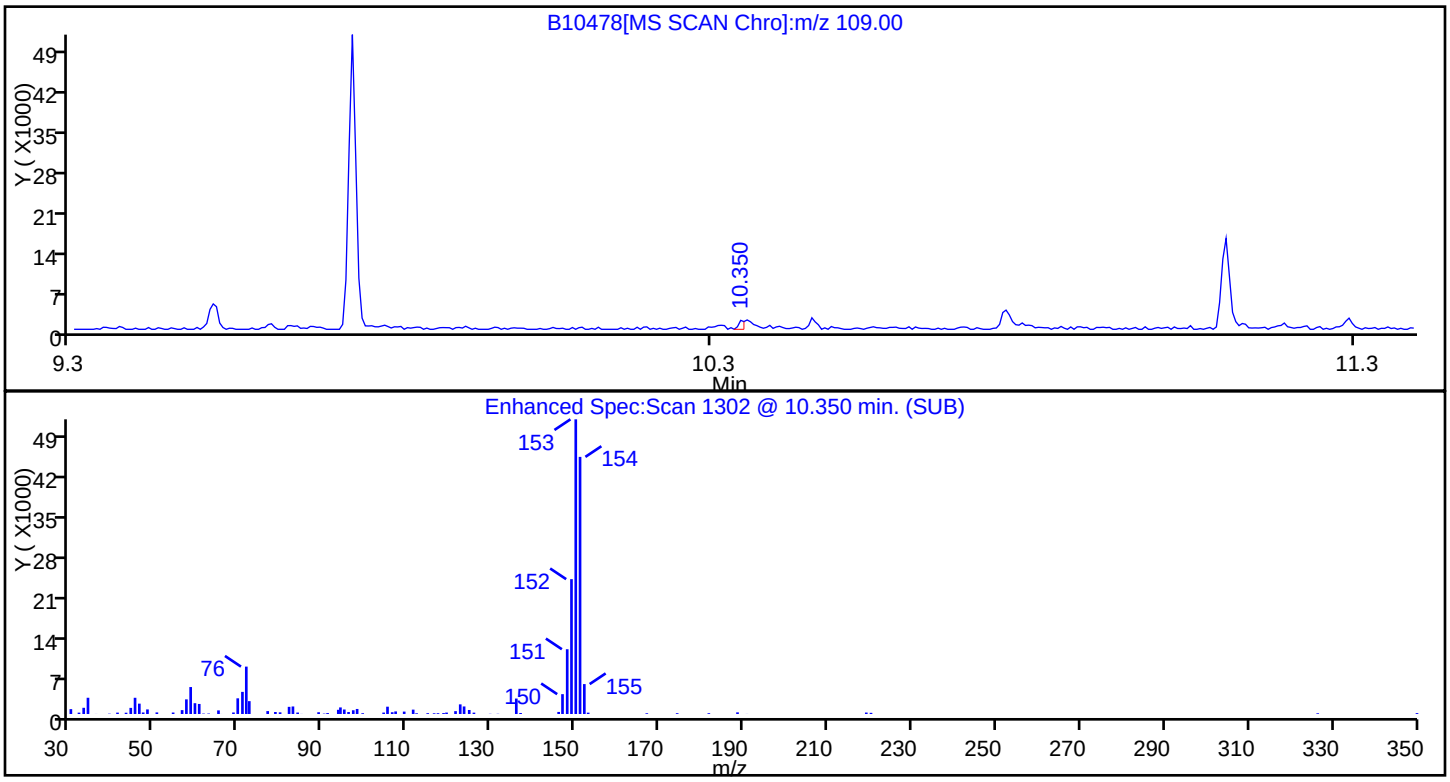
Reviewer: sullivanp, 24-Sep-2009 10:53:18
Audit Action: Manually Integrated
Audit Reason: Assign Peak

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10478.D		
Inj Date:	22-Sep-2009 16:34:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

62 4-Nitrophenol

Processing Results



RT	Mass	Response	Amount
10.35	109.00	962	0.167217
10.36	139.00	3818	
10.35	64.00	2676	

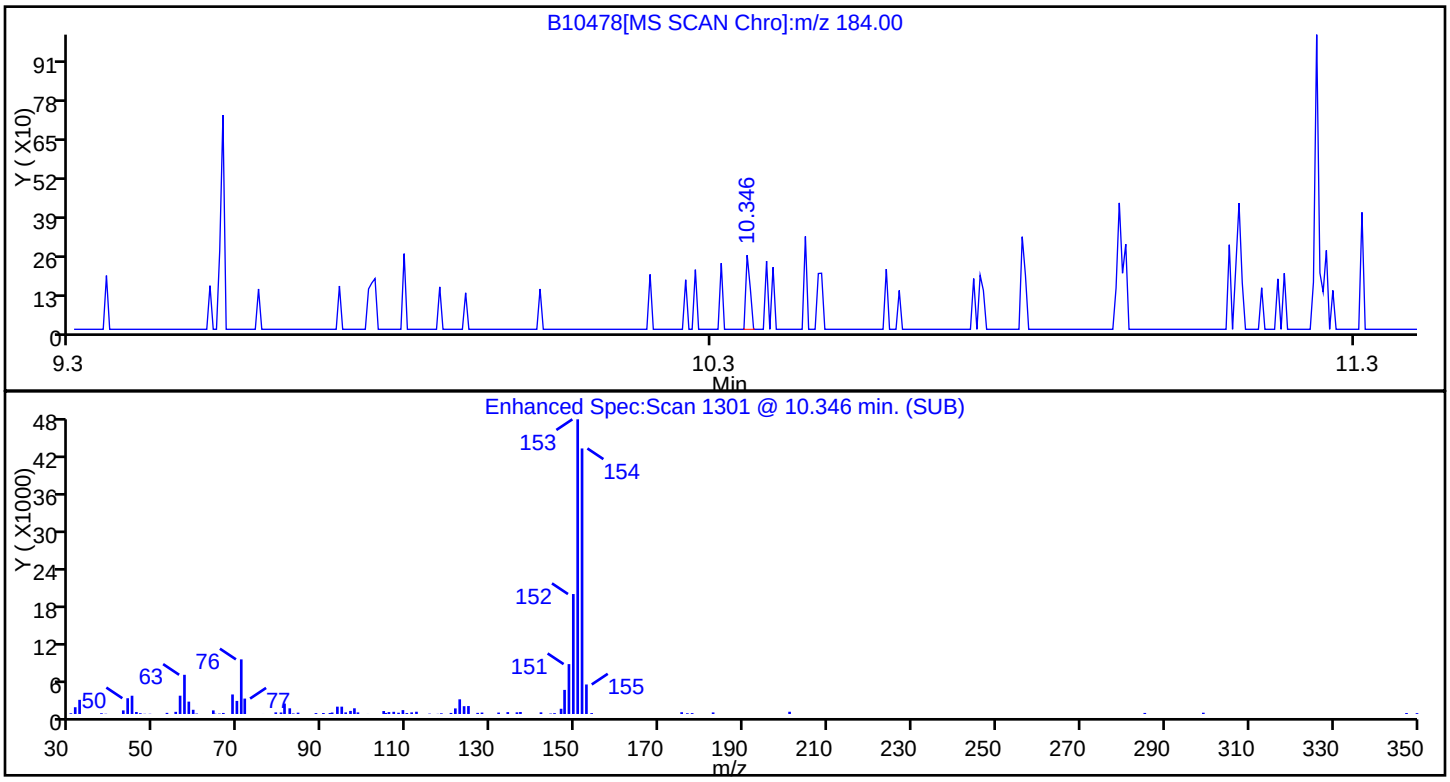
Reviewer: sullivanp, 24-Sep-2009 10:53:18
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10478.D		
Inj Date:	22-Sep-2009 16:34:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
10.35	184.00	111	0.041058
10.35	63.00	7042	
10.35	154.00	44411	

Reviewer: sullivanp, 24-Sep-2009 10:53:18
Audit Action: Marked Compound Undetected
Audit Reason:

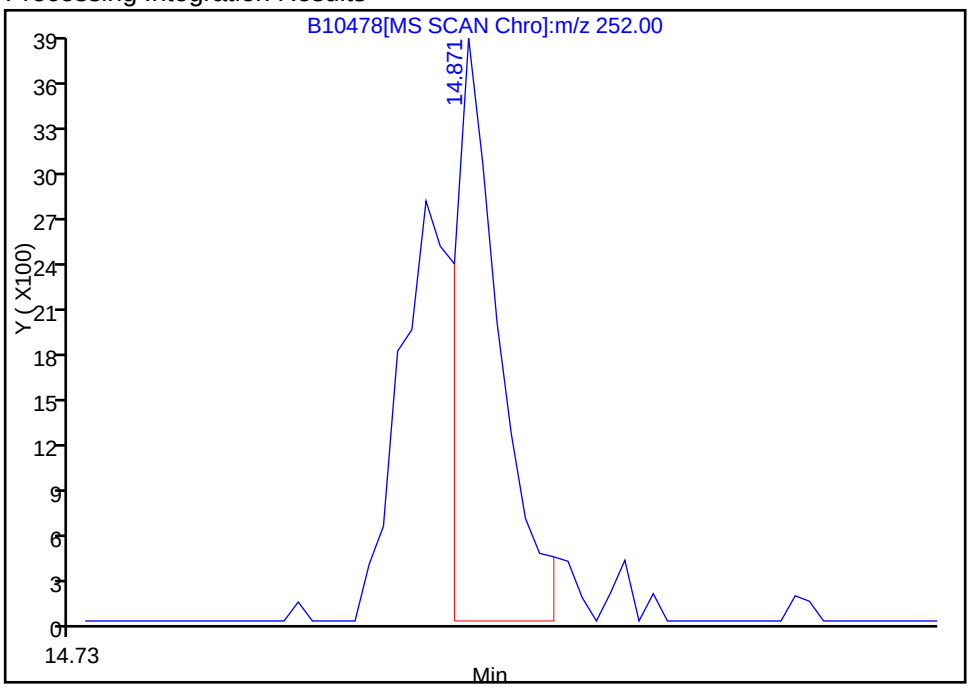
Chrom Revision: 1.1 26-Oct-2009 10:54:26
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10478.D		
Inj Date:	22-Sep-2009 16:34:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

91 3,3'-Dichlorobenzidine, Number: 1, m/z: 252 Type: quant, RT: 14.87

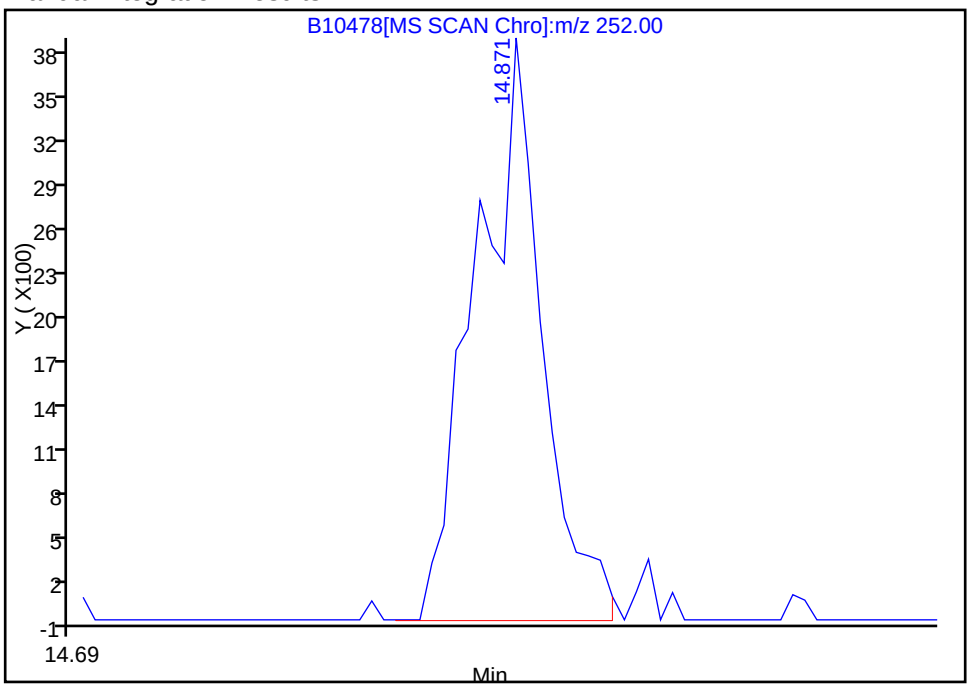
Processing Integration Results

RT: 14.87
Response: 4002
Amount: 0.179914



Manual Integration Results

RT: 14.87
Response: 7036
Amount: 0.253638



Reviewer: sullivanp, 24-Sep-2009 10:53:18
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10479.D		
Lims ID:	std05	Client ID:	
Inject. Date:	22-Sep-2009 17:05:30	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:	49400	Lims Sample ID:	5
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	25-Sep-2009 14:42:33	Calib Date:	22-Sep-2009 19:41:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 10:54:35
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:18:00
Reviewed By:	sullivanp	Date:	30-Oct-2009 11:51:42

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.691	7.691	0.000	348138	2.00	
* 2 Naphthalene-d8	136	8.821	8.821	0.000	846572	2.00	
* 3 Acenaphthene-d10	164	10.321	10.321	0.000	398924	2.00	
* 4 Phenanthrene-d10	188	11.581	11.581	0.000	656682	2.00	
* 5 Chrysene-d12	240	14.991	14.990	0.001	458528	2.00	
* 6 Perylene-d12	264	17.385	17.385	0.000	348020	2.00	
$ 7 2-Fluorophenol	112	6.412	6.407	0.005	42947	0.5013	
$ 8 Phenol-d5	99	7.321	7.320	0.001	57327	0.4803	
$ 9 Nitrobenzene-d5	82	8.186	8.186	0.000	58538	0.5393	
$ 10 2-Fluorobiphenyl	172	9.715	9.720	-0.005	127810	0.4825	
$ 11 2,4,6-Tribromophenol	330	10.985	10.985	0.000	6696	0.3954	
$ 12 Terphenyl-d14	244	13.110	13.110	0.000	88114	0.4735	
15 N-Nitrosodimethylamine	42	4.623	4.613	0.010	34323	0.5242	
16 Pyridine	79	4.676	4.637	0.039	32026	0.4091	
17 Benzaldehyde	105	7.297	7.296	0.001	33359	0.5082	
18 Phenol	94	7.330	7.330	0.000	61563	0.4911	
19 Aniline	93	7.388	7.388	0.000	73957	0.5048	
20 Bis(2-chloroethyl)ether	93	7.431	7.431	0.000	53118	0.5316	
21 2-Chlorophenol	128	7.499	7.498	0.001	54424	0.5124	
22 1,4-Dichlorobenzene	146	7.643	7.642	0.001	69256	0.5224	
23 1,3-Dichlorobenzene	146	7.705	7.705	0.000	70644	0.5230	
24 Benzyl alcohol	79	7.797	7.796	0.001	39896	0.4950	
25 1,2-Dichlorobenzene	146	7.850	7.849	0.001	68639	0.5548	
26 2-Methylphenol	108	7.883	7.883	0.000	49539	0.5114	
27 2,2'-oxybis[1-chloropropane]	45	7.912	7.912	0.000	95596	0.3461	
28 3 & 4 Methylphenol	108	8.013	8.013	0.000	51689	0.5165	
29 N-Nitrosodi-n-propylamine	70	8.028	8.027	0.001	35270	0.5235	
30 Acetophenone	105	8.042	8.042	0.000	72530	0.5034	
31 Hexachloroethane	117	8.157	8.152	0.005	23584	0.5025	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.201	8.200	0.001	56910	0.5329	
33 Isophorone	82	8.398	8.397	0.001	88633	0.5074	
34 2-Nitrophenol	139	8.480	8.479	0.001	23331	0.4904	
35 2,4-Dimethylphenol	107	8.480	8.479	0.001	51890	0.5229	
36 Benzoic acid	105	8.499	8.513	-0.014	3880	NaN	5
37 Bis(2-chloroethoxy)methane	93	8.561	8.561	0.000	60265	0.5559	
38 2,4-Dichlorophenol	162	8.682	8.681	0.001	41156	0.5105	
39 1,2,4-Trichlorobenzene	180	8.763	8.763	0.000	53695	0.4545	
40 Alpha-Terpineol	59	8.811	8.811	0.000	47295	0.5235	
41 Naphthalene	128	8.840	8.840	0.000	174942	0.4774	
42 4-Chloroaniline	127	8.864	8.864	0.000	61439	0.5073	
43 Hexachlorobutadiene	225	8.927	8.926	0.001	26440	0.3250	
44 Caprolactam	55	9.134	9.143	-0.009	15582	0.4384	
45 4-Chloro-3-methylphenol	107	9.244	9.249	-0.005	41102	0.5107	
46 2-Methylnaphthalene	142	9.427	9.426	0.001	113811	0.5395	
47 1-Methylnaphthalene	142	9.513	9.513	0.000	114813	0.3608	
48 Hexachlorocyclopentadiene	237	9.552	9.556	-0.004	13766	0.4175	
49 1,2,4,5-Tetrachlorobenzene	216	9.566	9.566	0.000	44423	0.3273	
50 2,4,6-Trichlorophenol	196	9.653	9.653	0.001	26605	0.4672	
51 2,4,5-Trichlorophenol	196	9.687	9.686	0.001	27601	0.4512	
52 1,1'-Biphenyl	154	9.812	9.811	0.001	137870	0.4972	
53 2-Chloronaphthalene	162	9.845	9.845	0.000	128517	0.4922	
54 Phenyl ether	170	9.893	9.893	0.000	73558	0.5573	
68 4-Nitroaniline	138	9.913	9.912	0.001	27576	0.4280	
56 Dimethyl phthalate	163	10.033	10.032	0.001	119148	0.4875	
57 2,6-Dinitrotoluene	165	10.100	10.100	0.000	24891	0.4731	
58 Acenaphthylene	152	10.206	10.206	0.000	159272	0.4778	
59 3-Nitroaniline	138	10.254	10.254	0.000	22350	0.4465	
61 Acenaphthene	153	10.350	10.350	0.000	112102	0.4804	
62 4-Nitrophenol	109	10.355	10.355	0.000	8273	0.3673	
63 2,4-Dinitrotoluene	165	10.446	10.446	0.000	27164	0.4362	
64 Dibenzofuran	168	10.490	10.489	0.001	149360	0.4896	
65 2,3,4,6-Tetrachlorophenol	232	10.581	10.581	0.000	15266	0.4193	
66 Diethyl phthalate	149	10.615	10.619	-0.004	122276	0.4819	
67 4-Chlorophenyl phenyl ether	204	10.754	10.754	0.000	51851	0.4599	
55 2-Nitroaniline	65	10.769	10.773	-0.004	25834	0.4674	
69 Fluorene	166	10.783	10.783	0.000	120286	0.4696	
70 4,6-Dinitro-2-methylphenol	198	10.793	10.792	0.001	4382	0.7232	
71 Diphenylamine	169	10.845	10.845	0.000	98780	0.4664	
72 N-Nitrosodiphenylamine	169	10.845	10.845	0.000	98780	0.4664	
73 1,2-Diphenylhydrazine	77	10.889	10.888	0.001	175627	0.4591	
74 Azobenzene	77	10.889	10.888	0.001	175627	0.4591	
13 Benzophenone	105	10.898	10.898	0.000	108788	0.4695	
75 4-Bromophenyl phenyl ether	248	11.172	11.172	0.000	29339	0.4954	
76 Hexachlorobenzene	284	11.254	11.254	0.000	27454	0.4838	
77 Atrazine	200	11.259	11.263	-0.004	26676	0.4406	
79 Pentachloronitrobenzene	237	11.418	11.417	0.001	9177	0.4028	
80 Phenanthrene	178	11.605	11.605	0.000	162463	0.4775	
81 Anthracene	178	11.649	11.648	0.001	150076	0.4723	
83 Carbazole	167	11.764	11.764	0.000	133859	0.5005	
84 Di-n-butyl phthalate	149	11.985	11.985	0.000	188840	0.4621	
87 Fluoranthene	202	12.711	12.711	0.000	142357	0.4755	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
86 Benzidine	184	12.812	12.812	0.000	6554	0.7318	
85 Pyrene	202	12.990	12.990	0.000	147262	0.4750	
89 Butyl benzyl phthalate	149	13.764	13.769	-0.005	58060	0.4346	
91 3,3'-Dichlorobenzidine	252	14.866	14.865	0.001	19872	0.4131	
92 Bis(2-ethylhexyl) phthalate	149	14.880	14.880	0.000	69366	0.3889	
93 Benzo[a]anthracene	228	14.971	14.971	0.000	94868	0.4721	
94 Chrysene	228	15.048	15.043	0.005	96085	0.4863	
95 Di-n-octyl phthalate	149	16.025	16.024	0.001	88102	0.3658	
97 Benzo[b]fluoranthene	252	16.722	16.721	0.001	91374	0.4681	
98 Benzo[k]fluoranthene	252	16.770	16.770	0.000	82795	0.4640	
99 Benzo[a]pyrene	252	17.284	17.284	0.000	63391	0.4359	
100 Indeno[1,2,3-cd]pyrene	276	19.593	19.602	-0.009	51017	0.3989	
101 Dibenz(a,h)anthracene	278	19.631	19.626	0.005	41199	0.4043	
102 Benzo[g,h,i]perylene	276	20.266	20.270	-0.004	52289	0.4472	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 30-Oct-2009 11:51:43 Chrom Revision: 1.1 26-Oct-2009 10:54:26

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10479.D

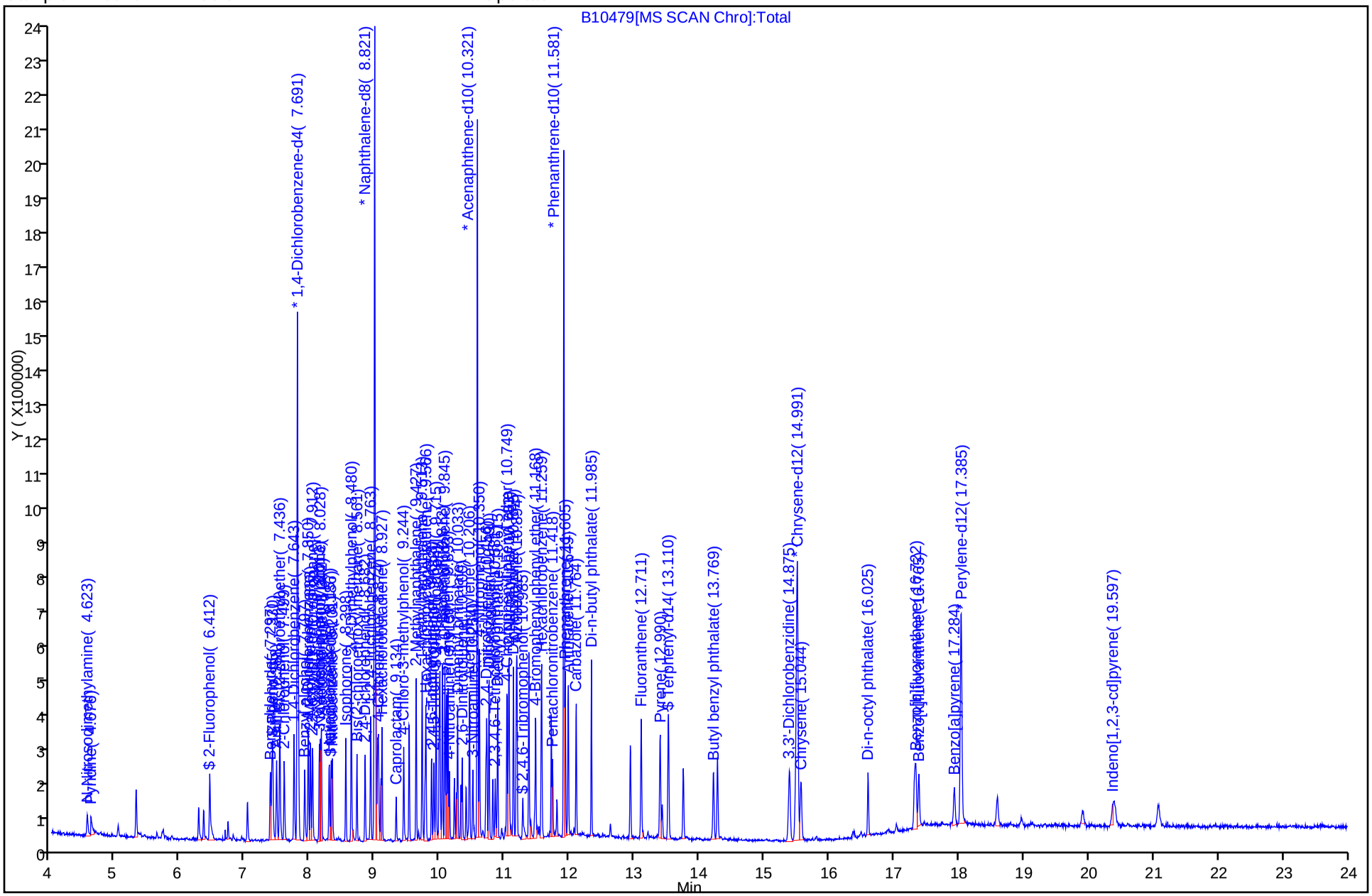
Inj Date: 22-Sep-2009 17:05:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49400 Lims Sample ID: 5

Client ID: Instrument: Inst. B

Sample Info: std05

Sample Amount: 1.00 ul Operator: MZ

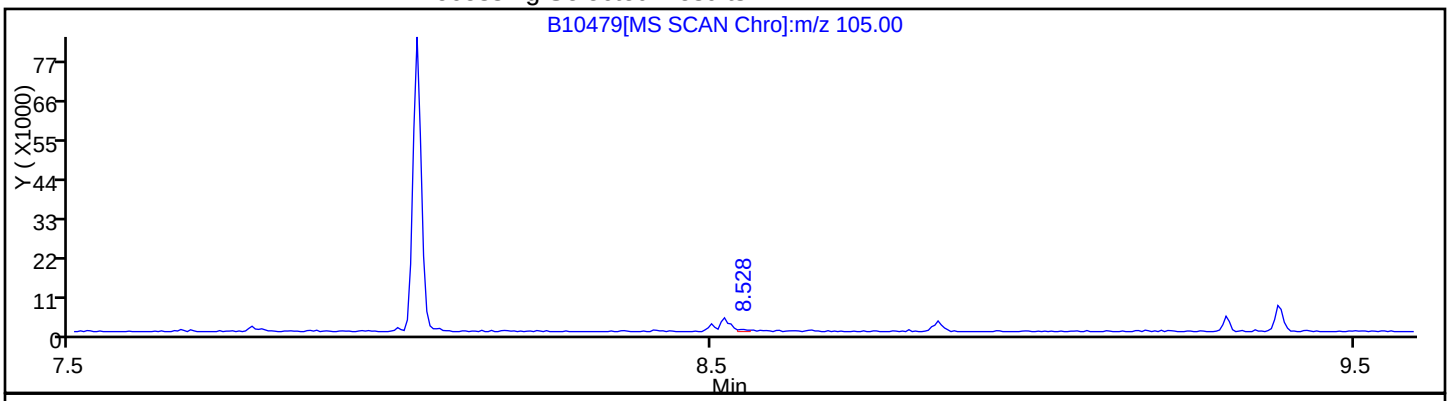


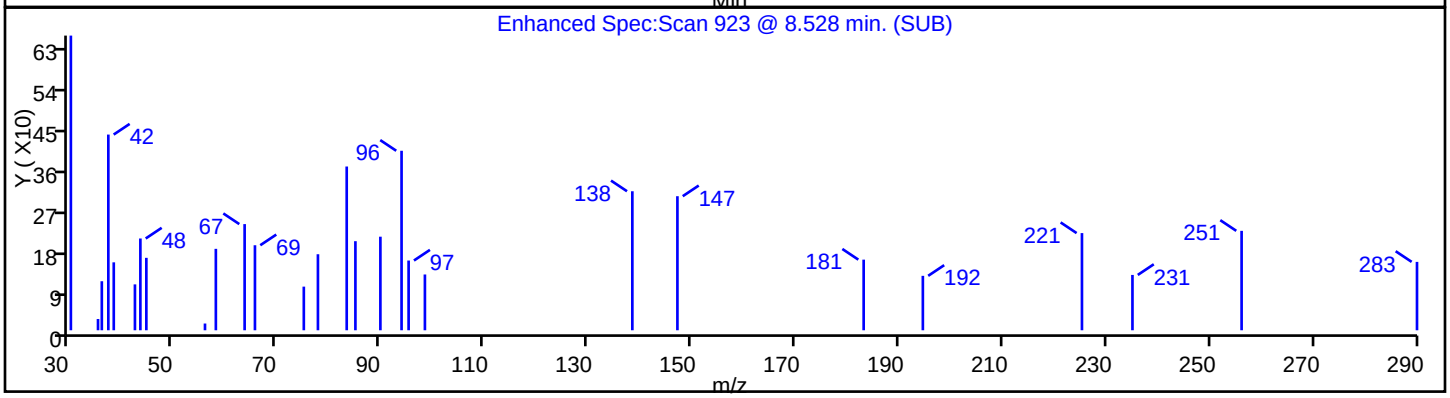
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10479.D		
Inj Date:	22-Sep-2009 17:05:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	std05		
Sample Amount:	1.00 ul	Operator:	MZ

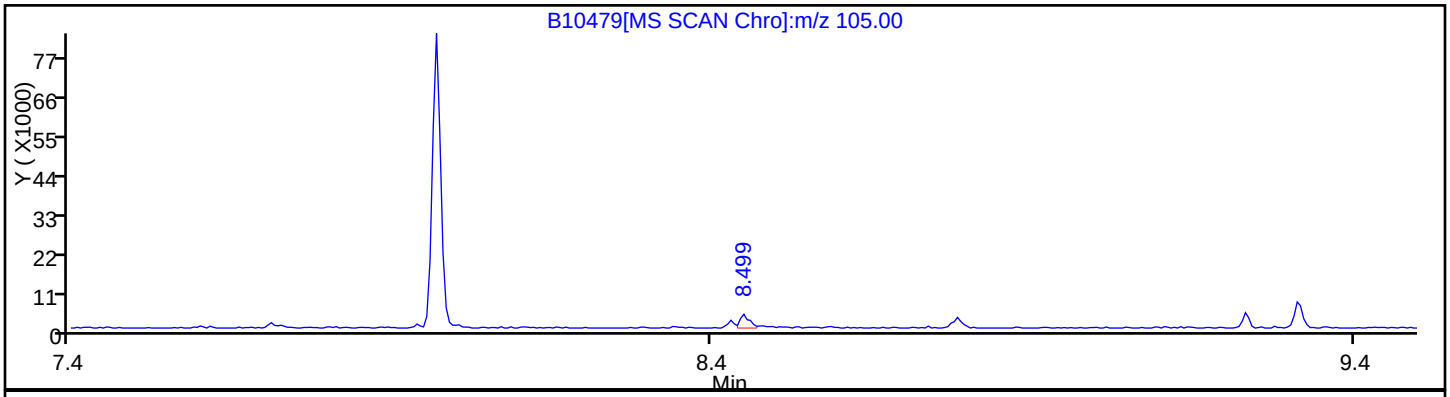
36 Benzoic acid

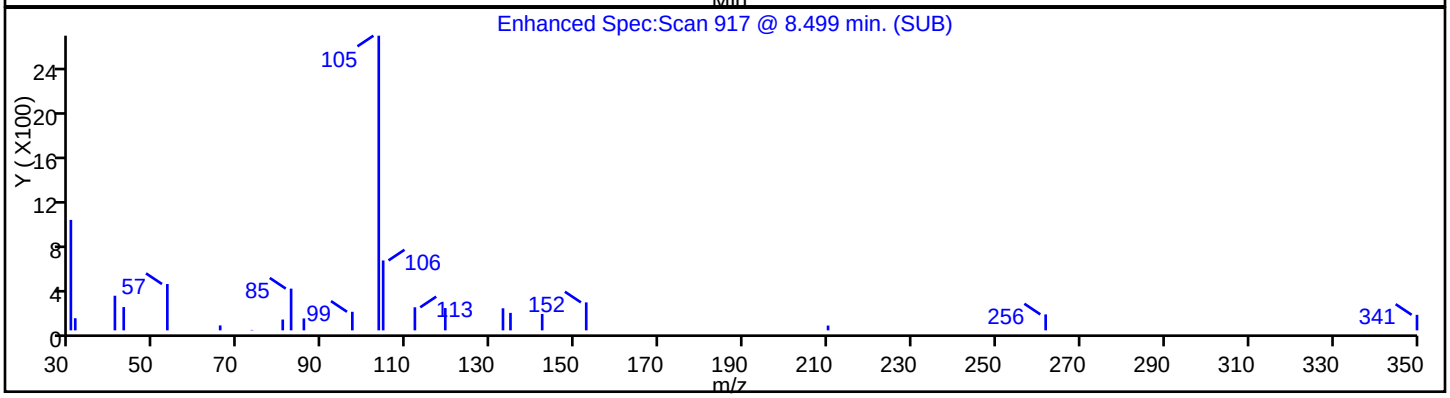
Processing Selected Results





Manual Selected Results





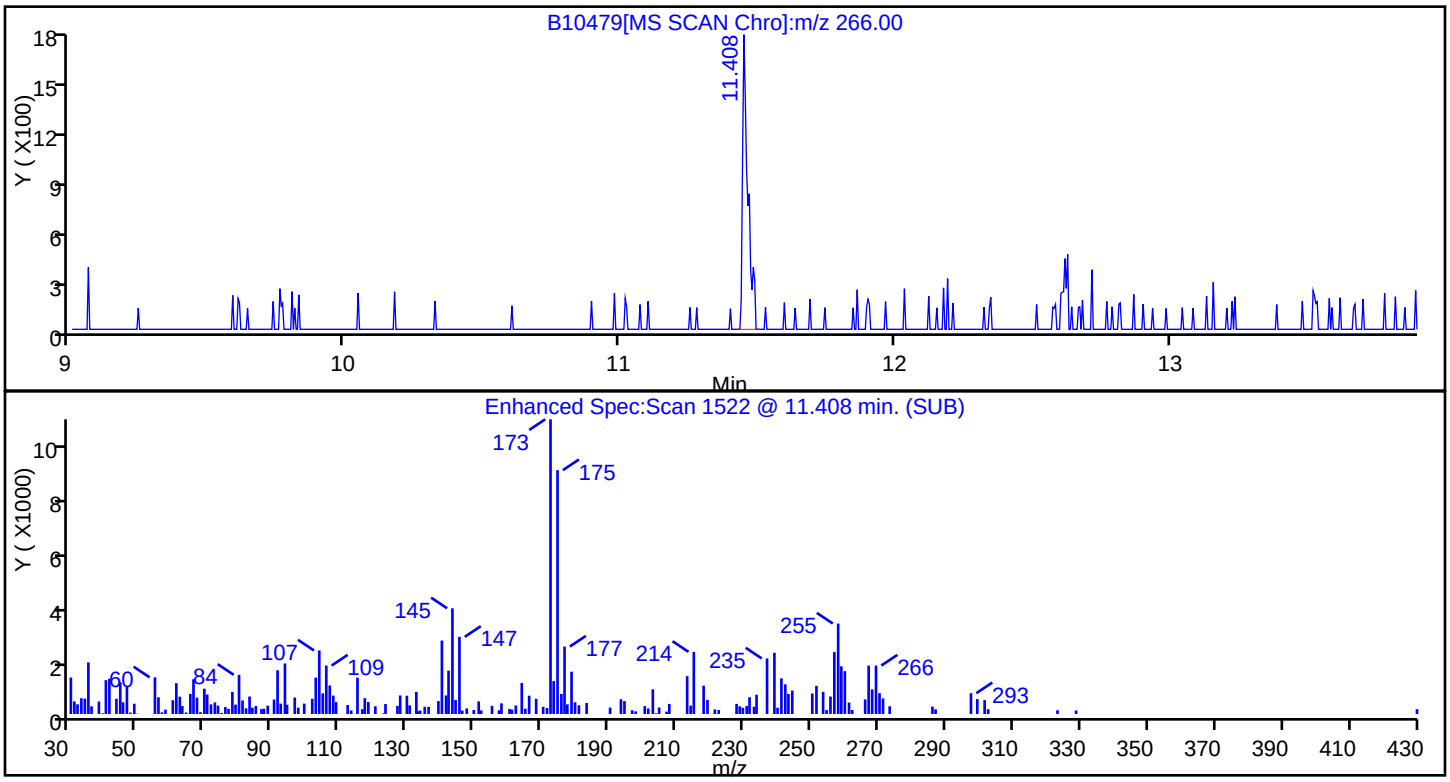
Reviewer: sullivanp, 24-Sep-2009 10:54:35
Audit Action: Selected Alternate Hit
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10479.D		
Inj Date:	22-Sep-2009 17:05:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	std05		
Sample Amount:	1.00 ul	Operator:	MZ

78 Pentachlorophenol

Processing Results



RT	Mass	Response	Amount
11.41	266.00	2291	0.194614
11.41	264.00	1271	
11.40	268.00	776	

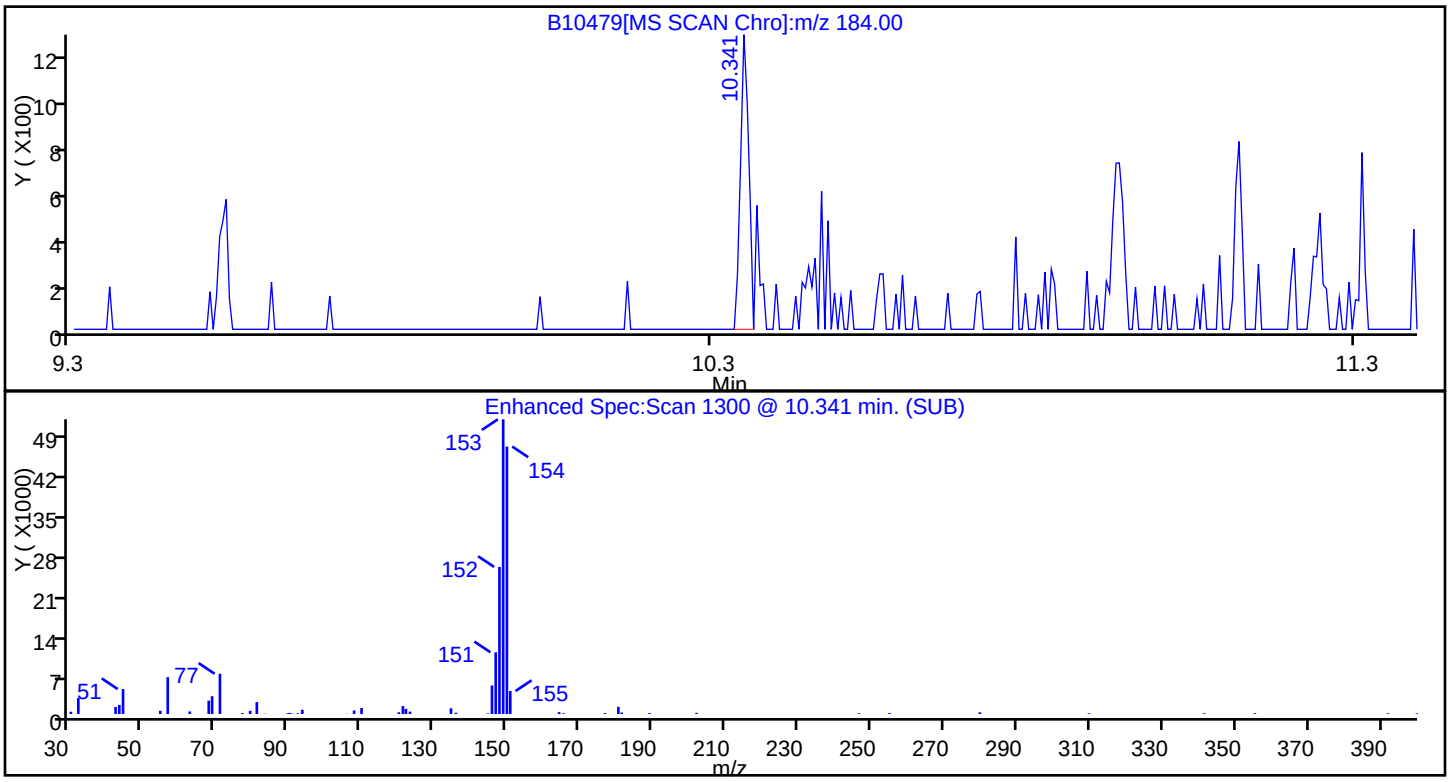
Reviewer: sullivanp, 24-Sep-2009 10:54:35
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10479.D		
Inj Date:	22-Sep-2009 17:05:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	std05		
Sample Amount:	1.00 ul	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
10.34	184.00	1067	0.291522
10.35	63.00	14853	
10.35	154.00	104928	

Reviewer: sullivanp, 24-Sep-2009 10:54:35
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10480.D		
Lims ID:	std1	Client ID:	
Inject. Date:	22-Sep-2009 17:36:30	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:	49400	Lims Sample ID:	6
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	25-Sep-2009 14:42:33	Calib Date:	22-Sep-2009 19:41:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 10:55:38
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:15:14
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:21:30
Reviewed By:	sullivanp	Date:	30-Oct-2009 11:52:22

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.691	7.691	0.000	357012	2.00	
* 2 Naphthalene-d8	136	8.821	8.821	0.000	865462	2.00	
* 3 Acenaphthene-d10	164	10.321	10.321	0.000	406993	2.00	
* 4 Phenanthrene-d10	188	11.581	11.581	0.000	662467	2.00	
* 5 Chrysene-d12	240	14.991	14.990	0.001	453957	2.00	
* 6 Perylene-d12	264	17.381	17.385	-0.004	346829	2.00	
$ 7 2-Fluorophenol	112	6.412	6.407	0.005	94444	1.08	
$ 8 Phenol-d5	99	7.321	7.320	0.001	124934	1.02	
$ 9 Nitrobenzene-d5	82	8.186	8.186	0.000	123083	1.11	
$ 10 2-Fluorobiphenyl	172	9.715	9.720	-0.005	265224	0.9814	
$ 11 2,4,6-Tribromophenol	330	10.985	10.985	0.000	17296	0.8215	
$ 12 Terphenyl-d14	244	13.110	13.110	0.000	176069	0.9556	
15 N-Nitrosodimethylamine	42	4.618	4.613	0.005	71545	1.07	
16 Pyridine	79	4.657	4.637	0.020	78175	0.9737	
17 Benzaldehyde	105	7.297	7.296	0.001	71854	1.07	
18 Phenol	94	7.330	7.330	0.000	133458	1.04	
19 Aniline	93	7.388	7.388	0.000	153282	1.02	
20 Bis(2-chloroethyl)ether	93	7.431	7.431	0.000	107177	1.05	
21 2-Chlorophenol	128	7.499	7.498	0.001	113288	1.04	
22 1,4-Dichlorobenzene	146	7.643	7.642	0.001	140893	1.04	
23 1,3-Dichlorobenzene	146	7.705	7.705	0.000	148243	1.07	
24 Benzyl alcohol	79	7.797	7.796	0.001	89556	1.08	
25 1,2-Dichlorobenzene	146	7.850	7.849	0.001	132926	1.14	
26 2-Methylphenol	108	7.883	7.883	0.000	104413	1.05	
27 2,2'-oxybis[1-chloropropane]	45	7.912	7.912	0.000	199336	1.04	
28 3 & 4 Methylphenol	108	8.013	8.013	0.000	105121	1.02	
29 N-Nitrosodi-n-propylamine	70	8.027	8.027	0.000	74867	1.08	
30 Acetophenone	105	8.042	8.042	0.000	150485	1.02	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
31 Hexachloroethane	117	8.157	8.152	0.005	49586	1.03	
32 Nitrobenzene	77	8.201	8.200	0.001	121158	1.11	
33 Isophorone	82	8.398	8.397	0.001	200046	1.12	
34 2-Nitrophenol	139	8.480	8.479	0.001	54899	1.13	
35 2,4-Dimethylphenol	107	8.480	8.479	0.001	108960	1.07	
36 Benzoic acid	105	8.504	8.513	-0.009	14552	1.92	5
37 Bis(2-chloroethoxy)methane	93	8.561	8.561	0.000	120849	1.09	
38 2,4-Dichlorophenol	162	8.681	8.681	0.000	90057	1.09	
39 1,2,4-Trichlorobenzene	180	8.763	8.763	0.000	110225	1.03	
40 Alpha-Terpineol	59	8.811	8.811	0.000	99384	1.08	
41 Naphthalene	128	8.840	8.840	0.000	355285	1.01	
42 4-Chloroaniline	127	8.864	8.864	0.000	133411	1.08	
43 Hexachlorobutadiene	225	8.927	8.926	0.001	56517	1.06	
44 Caprolactam	55	9.134	9.143	-0.009	40931	0.9876	
45 4-Chloro-3-methylphenol	107	9.244	9.249	-0.005	88584	1.08	
46 2-Methylnaphthalene	142	9.427	9.426	0.001	234933	1.09	
47 1-Methylnaphthalene	142	9.513	9.513	0.000	229449	1.04	
48 Hexachlorocyclopentadiene	237	9.557	9.556	0.001	32999	0.8580	
49 1,2,4,5-Tetrachlorobenzene	216	9.566	9.566	0.000	95831	1.08	
50 2,4,6-Trichlorophenol	196	9.653	9.653	0.001	55901	0.8804	
51 2,4,5-Trichlorophenol	196	9.687	9.686	0.001	60427	0.8908	
52 1,1'-Biphenyl	154	9.812	9.811	0.001	279695	0.9887	
53 2-Chloronaphthalene	162	9.845	9.845	0.000	263555	0.9895	
54 Phenyl ether	170	9.893	9.893	0.000	145073	1.08	
68 4-Nitroaniline	138	9.913	9.912	0.001	62660	0.8524	
56 Dimethyl phthalate	163	10.033	10.032	0.001	253418	1.02	
57 2,6-Dinitrotoluene	165	10.100	10.100	0.000	55404	0.9750	
58 Acenaphthylene	152	10.206	10.206	0.000	340453	1.00	
59 3-Nitroaniline	138	10.254	10.254	0.000	51540	0.9278	
60 2,4-Dinitrophenol	184	10.341	10.340	0.001	4859	1.25	
61 Acenaphthene	153	10.345	10.350	-0.005	225607	0.9475	
62 4-Nitrophenol	109	10.355	10.355	0.000	21415	0.7266	
63 2,4-Dinitrotoluene	165	10.446	10.446	0.000	64687	0.8862	
64 Dibenzofuran	168	10.490	10.489	0.001	302302	0.9714	
65 2,3,4,6-Tetrachlorophenol	232	10.581	10.581	0.000	36629	0.8147	
66 Diethyl phthalate	149	10.615	10.619	-0.004	246695	0.9529	
67 4-Chlorophenyl phenyl ether	204	10.754	10.754	0.000	109733	0.9540	
55 2-Nitroaniline	65	10.773	10.773	0.000	53632	0.8604	
69 Fluorene	166	10.783	10.783	0.000	250829	0.9598	
70 4,6-Dinitro-2-methylphenol	198	10.793	10.792	0.001	12986	1.08	
71 Diphenylamine	169	10.845	10.845	0.000	205204	0.9604	
72 N-Nitrosodiphenylamine	169	10.845	10.845	0.000	205204	0.9604	
73 1,2-Diphenylhydrazine	77	10.889	10.888	0.001	377673	0.9786	
74 Azobenzene	77	10.889	10.888	0.001	377673	0.9786	
13 Benzophenone	105	10.898	10.898	0.000	228458	0.9773	
75 4-Bromophenyl phenyl ether	248	11.172	11.172	0.000	58098	0.9724	
76 Hexachlorobenzene	284	11.254	11.254	0.000	51968	0.9079	
77 Atrazine	200	11.259	11.263	-0.004	60167	0.9850	
78 Pentachlorophenol	266	11.408	11.408	0.000	7824	1.37	
79 Pentachloronitrobenzene	237	11.418	11.417	0.001	23309	0.8786	
80 Phenanthrene	178	11.605	11.605	0.000	326663	0.9518	
81 Anthracene	178	11.649	11.648	0.001	317204	0.9896	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.764	11.764	0.000	274564	1.02	
84 Di-n-butyl phthalate	149	11.985	11.985	0.000	387931	0.9411	
87 Fluoranthene	202	12.711	12.711	0.000	286119	0.9473	
86 Benzidine	184	12.812	12.812	0.000	26585	1.16	
85 Pyrene	202	12.990	12.990	0.000	303076	0.9875	
89 Butyl benzyl phthalate	149	13.769	13.769	0.000	126389	0.8704	
91 3,3'-Dichlorobenzidine	252	14.866	14.865	0.001	47844	0.8334	
92 Bis(2-ethylhexyl) phthalate	149	14.880	14.880	0.000	161460	0.7962	
93 Benzo[a]anthracene	228	14.971	14.971	0.000	197963	1.00	
94 Chrysene	228	15.044	15.043	0.001	191669	0.9798	
95 Di-n-octyl phthalate	149	16.025	16.024	0.001	230571	0.7523	
97 Benzo[b]fluoranthene	252	16.722	16.721	0.001	185608	0.9542	
98 Benzo[k]fluoranthene	252	16.765	16.770	-0.005	172113	0.9678	
99 Benzo[a]pyrene	252	17.284	17.284	0.000	134227	0.9261	
100 Indeno[1,2,3-cd]pyrene	276	19.597	19.602	-0.005	113194	0.8881	
101 Dibenz(a,h)anthracene	278	19.631	19.626	0.005	91546	0.9015	
102 Benzo[g,h,i]perylene	276	20.261	20.270	-0.009	108383	0.9302	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 30-Oct-2009 11:52:23 Chrom Revision: 1.1 26-Oct-2009 10:54:26

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10480.D

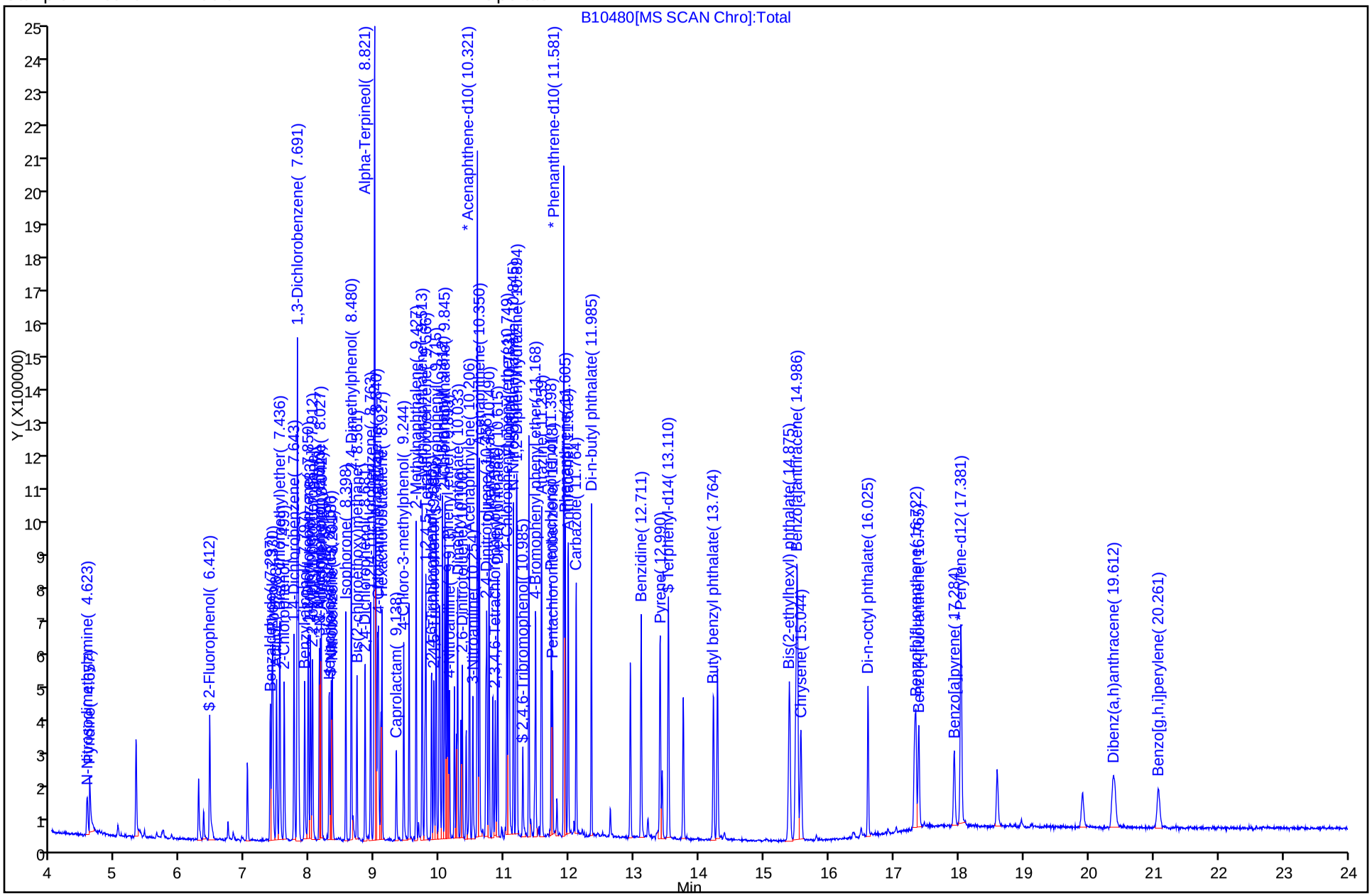
Inj Date: 22-Sep-2009 17:36:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49400 Lims Sample ID: 6

Client ID: Instrument: Inst. B

Sample Info: std1

Sample Amount: 1.00 ul Operator: MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10481.D		
Lims ID:	std25	Client ID:	
Inject. Date:	22-Sep-2009 18:07:30	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:	49400	Lims Sample ID:	7
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	25-Sep-2009 14:42:33	Calib Date:	22-Sep-2009 19:41:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 10:56:46
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:15:20
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:35:44
Reviewed By:	sullivanp	Date:	30-Oct-2009 11:52:43

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.691	7.691	0.000	346171	2.00	
* 2 Naphthalene-d8	136	8.821	8.821	0.000	841923	2.00	
* 3 Acenaphthene-d10	164	10.321	10.321	0.000	361562	2.00	
* 4 Phenanthrene-d10	188	11.581	11.581	0.000	584467	2.00	
* 5 Chrysene-d12	240	14.990	14.990	0.000	362634	2.00	
* 6 Perylene-d12	264	17.385	17.385	0.000	248960	2.00	
$ 7 2-Fluorophenol	112	6.407	6.407	0.000	239427	2.81	
$ 8 Phenol-d5	99	7.320	7.320	0.000	309112	2.60	
$ 9 Nitrobenzene-d5	82	8.186	8.186	0.000	295065	2.73	
$ 10 2-Fluorobiphenyl	172	9.720	9.720	0.000	618088	2.57	
$ 11 2,4,6-Tribromophenol	330	10.985	10.985	0.000	46905	2.27	
$ 12 Terphenyl-d14	244	13.110	13.110	0.000	423137	2.87	
15 N-Nitrosodimethylamine	42	4.613	4.613	0.000	176364	2.71	
16 Pyridine	79	4.637	4.637	0.000	216607	2.78	M
17 Benzaldehyde	105	7.296	7.296	0.000	172698	2.65	
18 Phenol	94	7.330	7.330	0.000	321666	2.58	
19 Aniline	93	7.388	7.388	0.000	380087	2.61	
20 Bis(2-chloroethyl)ether	93	7.431	7.431	0.000	259725	2.61	
21 2-Chlorophenol	128	7.498	7.498	0.000	279674	2.65	
22 1,4-Dichlorobenzene	146	7.642	7.642	0.000	336214	2.55	
23 1,3-Dichlorobenzene	146	7.705	7.705	0.000	348543	2.60	
24 Benzyl alcohol	79	7.796	7.796	0.000	225647	2.82	
25 1,2-Dichlorobenzene	146	7.849	7.849	0.000	323517	3.00	
26 2-Methylphenol	108	7.883	7.883	0.000	250709	2.60	
27 2,2'-oxybis[1-chloropropane]	45	7.912	7.912	0.000	469346	3.00	
28 3 & 4 Methylphenol	108	8.013	8.013	0.000	260157	2.61	
29 N-Nitrosodi-n-propylamine	70	8.027	8.027	0.000	186330	2.78	
30 Acetophenone	105	8.042	8.042	0.000	363482	2.54	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
31 Hexachloroethane	117	8.152	8.152	0.000	120858	2.59	
32 Nitrobenzene	77	8.200	8.200	0.000	295386	2.78	
33 Isophorone	82	8.397	8.397	0.000	496384	2.86	
34 2-Nitrophenol	139	8.479	8.479	0.000	150039	3.17	
35 2,4-Dimethylphenol	107	8.479	8.479	0.000	272568	2.76	
36 Benzoic acid	105	8.513	8.513	0.000	46171	3.54	
37 Bis(2-chloroethoxy)methane	93	8.561	8.561	0.000	289108	2.68	
38 2,4-Dichlorophenol	162	8.681	8.681	0.000	225826	2.82	
39 1,2,4-Trichlorobenzene	180	8.763	8.763	0.000	264671	2.82	
40 Alpha-Terpineol	59	8.811	8.811	0.000	246876	2.75	
41 Naphthalene	128	8.840	8.840	0.000	849216	2.70	
42 4-Chloroaniline	127	8.864	8.864	0.000	333234	2.77	
43 Hexachlorobutadiene	225	8.926	8.926	0.000	132714	3.06	
44 Caprolactam	55	9.143	9.143	0.000	110000	2.66	
45 4-Chloro-3-methylphenol	107	9.249	9.249	0.000	222635	2.78	
46 2-Methylnaphthalene	142	9.426	9.426	0.000	569730	2.72	
47 1-Methylnaphthalene	142	9.513	9.513	0.000	547747	3.06	
48 Hexachlorocyclopentadiene	237	9.556	9.556	0.000	78931	2.16	
49 1,2,4,5-Tetrachlorobenzene	216	9.566	9.566	0.000	222613	3.06	
50 2,4,6-Trichlorophenol	196	9.653	9.653	0.000	143500	2.40	
51 2,4,5-Trichlorophenol	196	9.686	9.686	0.000	153373	2.42	
52 1,1'-Biphenyl	154	9.811	9.811	0.000	660228	2.63	
53 2-Chloronaphthalene	162	9.845	9.845	0.000	612694	2.59	
54 Phenyl ether	170	9.893	9.893	0.000	358357	2.73	
68 4-Nitroaniline	138	9.912	9.912	0.000	163523	2.34	
56 Dimethyl phthalate	163	10.032	10.032	0.000	575575	2.60	
57 2,6-Dinitrotoluene	165	10.100	10.100	0.000	131791	2.53	
58 Acenaphthylene	152	10.206	10.206	0.000	817433	2.71	
59 3-Nitroaniline	138	10.254	10.254	0.000	128451	2.49	
60 2,4-Dinitrophenol	184	10.340	10.340	0.000	15071	2.03	
61 Acenaphthene	153	10.350	10.350	0.000	540036	2.55	
62 4-Nitrophenol	109	10.355	10.355	0.000	60466	2.02	
63 2,4-Dinitrotoluene	165	10.446	10.446	0.000	161447	2.31	
64 Dibenzofuran	168	10.489	10.489	0.000	720141	2.60	
65 2,3,4,6-Tetrachlorophenol	232	10.581	10.581	0.000	98109	2.20	
66 Diethyl phthalate	149	10.619	10.619	0.000	585423	2.55	
67 4-Chlorophenyl phenyl ether	204	10.754	10.754	0.000	262115	2.57	
55 2-Nitroaniline	65	10.773	10.773	0.000	134348	2.27	
69 Fluorene	166	10.783	10.783	0.000	598758	2.58	
70 4,6-Dinitro-2-methylphenol	198	10.792	10.792	0.000	33155	2.06	
71 Diphenylamine	169	10.845	10.845	0.000	495812	2.63	
72 N-Nitrosodiphenylamine	169	10.845	10.845	0.000	495812	2.63	
73 1,2-Diphenylhydrazine	77	10.888	10.888	0.000	935574	2.75	
74 Azobenzene	77	10.888	10.888	0.000	935574	2.75	
13 Benzophenone	105	10.898	10.898	0.000	553915	2.69	
75 4-Bromophenyl phenyl ether	248	11.172	11.172	0.000	135624	2.57	
76 Hexachlorobenzene	284	11.254	11.254	0.000	130146	2.58	
77 Atrazine	200	11.263	11.263	0.000	142272	2.64	
78 Pentachlorophenol	266	11.408	11.412	-0.004	36133	2.48	
79 Pentachloronitrobenzene	237	11.417	11.417	0.000	57606	2.30	
80 Phenanthrene	178	11.605	11.605	0.000	766778	2.53	
81 Anthracene	178	11.648	11.648	0.000	746573	2.64	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.764	11.764	0.000	611998	2.57	
84 Di-n-butyl phthalate	149	11.985	11.985	0.000	932906	2.57	
87 Fluoranthene	202	12.711	12.711	0.000	686658	2.58	
86 Benzidine	184	12.812	12.826	-0.014	65114	2.09	
85 Pyrene	202	12.990	12.990	0.000	709678	2.89	
89 Butyl benzyl phthalate	149	13.769	13.769	0.000	339398	2.76	
91 3,3'-Dichlorobenzidine	252	14.865	14.865	0.000	115685	2.28	
92 Bis(2-ethylhexyl) phthalate	149	14.880	14.880	0.000	458100	2.61	
93 Benzo[a]anthracene	228	14.971	14.971	0.000	421225	2.65	
94 Chrysene	228	15.043	15.043	0.000	406803	2.60	
95 Di-n-octyl phthalate	149	16.024	16.024	0.000	666318	2.64	
97 Benzo[b]fluoranthene	252	16.721	16.721	0.000	371465	2.66	
98 Benzo[k]fluoranthene	252	16.770	16.770	0.000	343330	2.69	
99 Benzo[a]pyrene	252	17.284	17.284	0.000	266981	2.57	
100 Indeno[1,2,3-cd]pyrene	276	19.602	19.602	0.000	228960	2.50	
101 Dibenz(a,h)anthracene	278	19.626	19.626	0.000	177958	2.44	
102 Benzo[g,h,i]perylene	276	20.270	20.270	0.000	209292	2.50	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Oct-2009 11:52:44 Chrom Revision: 1.1 26-Oct-2009 10:54:26

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10481.D

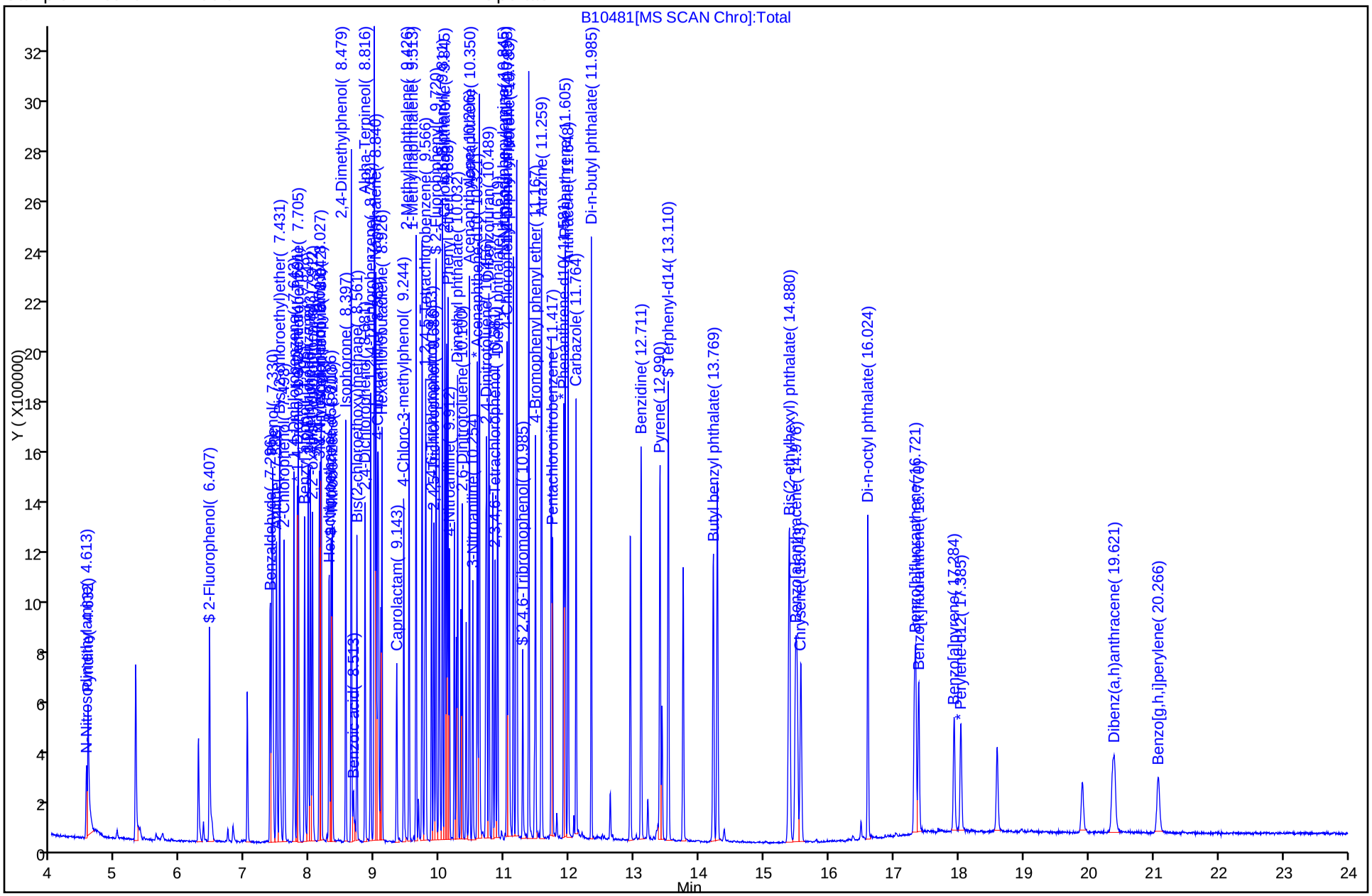
Inj Date: 22-Sep-2009 18:07:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49400 Lims Sample ID: 7

Client ID: Instrument: Inst. B

Sample Info: std25

Sample Amount: 1.00 ul Operator: MZ



Chrom Revision: 1.1 26-Oct-2009 10:54:26

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10481.D		
Inj Date:	22-Sep-2009 18:07:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	7
Client ID:		Instrument:	Inst. B
Sample Info:	std25		
Sample Amount:	1.00 ul	Operator:	MZ

16 Pyridine, Number: 1, m/z: 79 Type: quant, RT: 4.64

Processing Integration Results

Not Detected

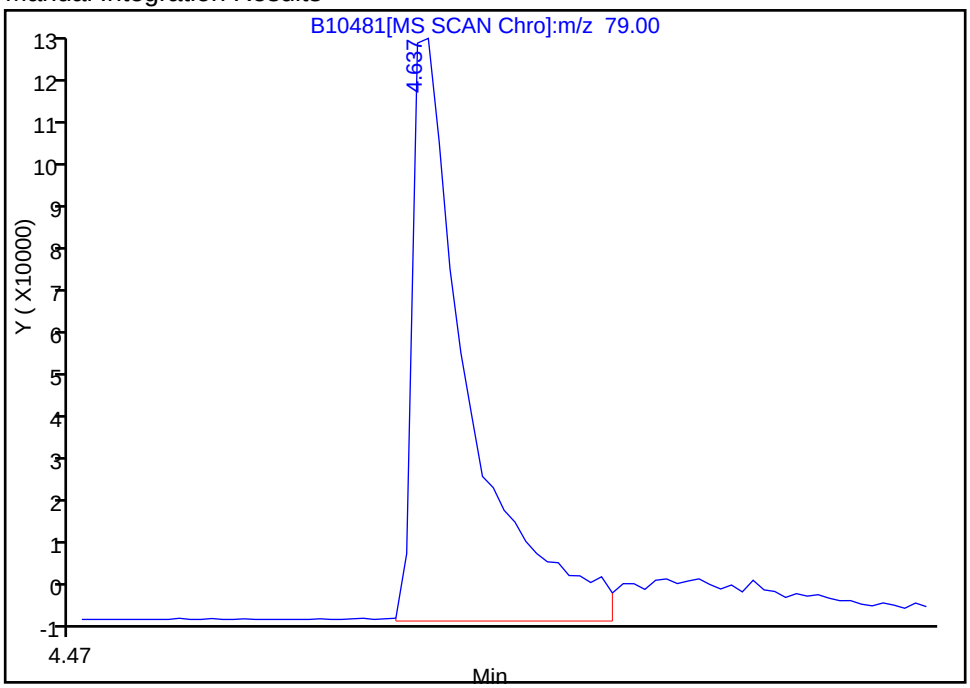
Expected RT: 4.64

Manual Integration Results

RT: 4.64

Response: 216607

Amount: 2.782321



Reviewer: sullivanp, 24-Sep-2009 10:56:46

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10482.D		
Lims ID:	std8	Client ID:	
Inject. Date:	22-Sep-2009 18:38:30	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:	49400	Lims Sample ID:	8
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	25-Sep-2009 14:42:33	Calib Date:	22-Sep-2009 19:41:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 10:57:45
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:15:26
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:19:57
Reviewed By:	sullivanp	Date:	30-Oct-2009 11:52:58

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.690	7.691	-0.001	426530	2.00	
* 2 Naphthalene-d8	136	8.820	8.821	-0.001	1110757	2.00	
* 3 Acenaphthene-d10	164	10.320	10.321	-0.001	366606	2.00	
* 4 Phenanthrene-d10	188	11.585	11.581	0.004	609523	2.00	
* 5 Chrysene-d12	240	14.999	14.990	0.009	452154	2.00	
* 6 Perylene-d12	264	17.385	17.385	0.000	332693	2.00	
$ 7 2-Fluorophenol	112	6.411	6.407	0.004	761405	7.25	
$ 8 Phenol-d5	99	7.325	7.320	0.005	1038794	7.10	
$ 9 Nitrobenzene-d5	82	8.185	8.186	-0.001	1004668	7.05	
$ 10 2-Fluorobiphenyl	172	9.719	9.720	-0.001	2067298	8.49	
$ 11 2,4,6-Tribromophenol	330	10.989	10.985	0.004	177767	7.93	
$ 12 Terphenyl-d14	244	13.110	13.110	0.000	1531814	8.35	
15 N-Nitrosodimethylamine	42	4.617	4.613	0.004	547468	6.82	
16 Pyridine	79	4.636	4.637	-0.001	730927	7.62	
17 Benzaldehyde	105	7.296	7.296	0.000	578624	7.20	
18 Phenol	94	7.334	7.330	0.004	1084732	7.06	
19 Aniline	93	7.392	7.388	0.004	1274963	7.10	
20 Bis(2-chloroethyl)ether	93	7.435	7.431	0.004	866834	7.08	5
21 2-Chlorophenol	128	7.502	7.498	0.004	931840	7.16	
22 1,4-Dichlorobenzene	146	7.642	7.642	0.000	1093647	6.73	
23 1,3-Dichlorobenzene	146	7.709	7.705	0.004	1141801	6.90	
24 Benzyl alcohol	79	7.801	7.796	0.005	773957	7.84	
25 1,2-Dichlorobenzene	146	7.849	7.849	0.000	1039552	8.00	
26 2-Methylphenol	108	7.882	7.883	-0.001	832793	7.02	
27 2,2'-oxybis[1-chloropropane]	45	7.916	7.912	0.004	1512318	8.36	
28 3 & 4 Methylphenol	108	8.017	8.013	0.004	879321	7.17	
29 N-Nitrosodi-n-propylamine	70	8.031	8.027	0.004	624668	7.57	
30 Acetophenone	105	8.046	8.042	0.004	1217508	6.90	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
31 Hexachloroethane	117	8.156	8.152	0.004	396410	6.89	
32 Nitrobenzene	77	8.205	8.200	0.005	979970	6.99	
33 Isophorone	82	8.402	8.397	0.005	1664312	7.26	
34 2-Nitrophenol	139	8.479	8.479	0.000	528523	8.47	
35 2,4-Dimethylphenol	107	8.483	8.479	0.004	941997	7.24	
36 Benzoic acid	105	8.541	8.513	0.028	344152	8.02	5
37 Bis(2-chloroethoxy)methane	93	8.565	8.561	0.004	958980	6.74	
38 2,4-Dichlorophenol	162	8.681	8.681	0.000	754969	7.14	
39 1,2,4-Trichlorobenzene	180	8.762	8.763	-0.001	864818	8.16	
40 Alpha-Terpineol	59	8.815	8.811	0.004	841097	7.10	
41 Naphthalene	128	8.839	8.840	-0.001	2714151	8.11	
42 4-Chloroaniline	127	8.868	8.864	0.004	1135441	7.15	
43 Hexachlorobutadiene	225	8.931	8.926	0.005	439227	8.21	
44 Caprolactam	55	9.162	9.143	0.019	395344	8.06	
45 4-Chloro-3-methylphenol	107	9.248	9.249	-0.001	778601	7.37	
46 2-Methylnaphthalene	142	9.426	9.426	0.000	1872781	6.77	
47 1-Methylnaphthalene	142	9.517	9.513	0.004	1823949	8.26	
48 Hexachlorocyclopentadiene	237	9.556	9.556	0.000	313012	8.17	
49 1,2,4,5-Tetrachlorobenzene	216	9.570	9.566	0.004	741256	8.25	
50 2,4,6-Trichlorophenol	196	9.652	9.653	0.000	505218	8.13	
51 2,4,5-Trichlorophenol	196	9.690	9.686	0.004	542524	8.27	
52 1,1'-Biphenyl	154	9.811	9.811	0.000	2167976	8.51	
53 2-Chloronaphthalene	162	9.849	9.845	0.004	1962217	8.18	
54 Phenyl ether	170	9.892	9.893	-0.001	1171815	6.77	
68 4-Nitroaniline	138	9.917	9.912	0.004	593850	8.19	
56 Dimethyl phthalate	163	10.037	10.032	0.005	1931811	8.60	
57 2,6-Dinitrotoluene	165	10.104	10.100	0.004	453582	8.47	
58 Acenaphthylene	152	10.210	10.206	0.004	2742973	8.95	
59 3-Nitroaniline	138	10.258	10.254	0.004	435112	8.15	
60 2,4-Dinitrophenol	184	10.344	10.340	0.004	123443	8.13	
61 Acenaphthene	153	10.349	10.350	-0.001	1871010	8.72	
62 4-Nitrophenol	109	10.359	10.355	0.004	260466	8.14	
63 2,4-Dinitrotoluene	165	10.450	10.446	0.004	591597	8.09	
64 Dibenzofuran	168	10.494	10.489	0.005	2407367	8.59	
65 2,3,4,6-Tetrachlorophenol	232	10.585	10.581	0.004	382997	8.11	
66 Diethyl phthalate	149	10.619	10.619	0.000	1988840	8.53	
67 4-Chlorophenyl phenyl ether	204	10.753	10.754	-0.001	895754	8.65	
55 2-Nitroaniline	65	10.777	10.773	0.004	503934	8.15	
69 Fluorene	166	10.782	10.783	-0.001	2083099	8.85	
70 4,6-Dinitro-2-methylphenol	198	10.797	10.792	0.004	203492	8.19	
71 Diphenylamine	169	10.849	10.845	0.004	1717220	8.73	
72 N-Nitrosodiphenylamine	169	10.849	10.845	0.004	1717220	8.73	
73 1,2-Diphenylhydrazine	77	10.893	10.888	0.005	3232413	9.10	
74 Azobenzene	77	10.893	10.888	0.005	3232413	9.10	
13 Benzophenone	105	10.902	10.898	0.004	1968986	9.15	
75 4-Bromophenyl phenyl ether	248	11.172	11.172	0.000	469405	8.54	
76 Hexachlorobenzene	284	11.258	11.254	0.004	442438	8.40	
77 Atrazine	200	11.263	11.263	0.000	508448	9.05	
78 Pentachlorophenol	266	11.407	11.408	-0.001	215873	8.18	
79 Pentachloronitrobenzene	237	11.422	11.417	0.005	212661	7.92	
80 Phenanthrene	178	11.604	11.605	-0.001	2668995	8.45	
81 Anthracene	178	11.648	11.648	0.000	2639164	8.95	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.763	11.764	-0.001	2076312	8.36	
84 Di-n-butyl phthalate	149	11.989	11.985	0.004	3185246	8.40	
87 Fluoranthene	202	12.715	12.711	0.004	2425089	8.73	
86 Benzidine	184	12.811	12.812	-0.001	481249	8.45	
85 Pyrene	202	12.989	12.990	-0.001	2529790	8.28	
89 Butyl benzyl phthalate	149	13.768	13.769	-0.001	1266098	8.11	
91 3,3'-Dichlorobenzidine	252	14.870	14.865	0.005	524541	7.98	
92 Bis(2-ethylhexyl) phthalate	149	14.884	14.880	0.004	1828326	8.15	
93 Benzo[a]anthracene	228	14.975	14.971	0.004	1696745	8.56	
94 Chrysene	228	15.052	15.043	0.009	1608946	8.26	
95 Di-n-octyl phthalate	149	16.028	16.024	0.004	2857632	8.19	
97 Benzo[b]fluoranthene	252	16.735	16.721	0.014	1585461	8.50	
98 Benzo[k]fluoranthene	252	16.774	16.770	0.004	1481646	8.69	
99 Benzo[a]pyrene	252	17.293	17.284	0.009	1257257	9.04	
100 Indeno[1,2,3-cd]pyrene	276	19.611	19.602	0.009	1130866	9.25	
101 Dibenz(a,h)anthracene	278	19.640	19.626	0.014	907350	9.31	
102 Benzo[g,h,i]perylene	276	20.284	20.270	0.014	955071	8.55	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 30-Oct-2009 11:52:58 Chrom Revision: 1.1 26-Oct-2009 10:54:26

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10482.D

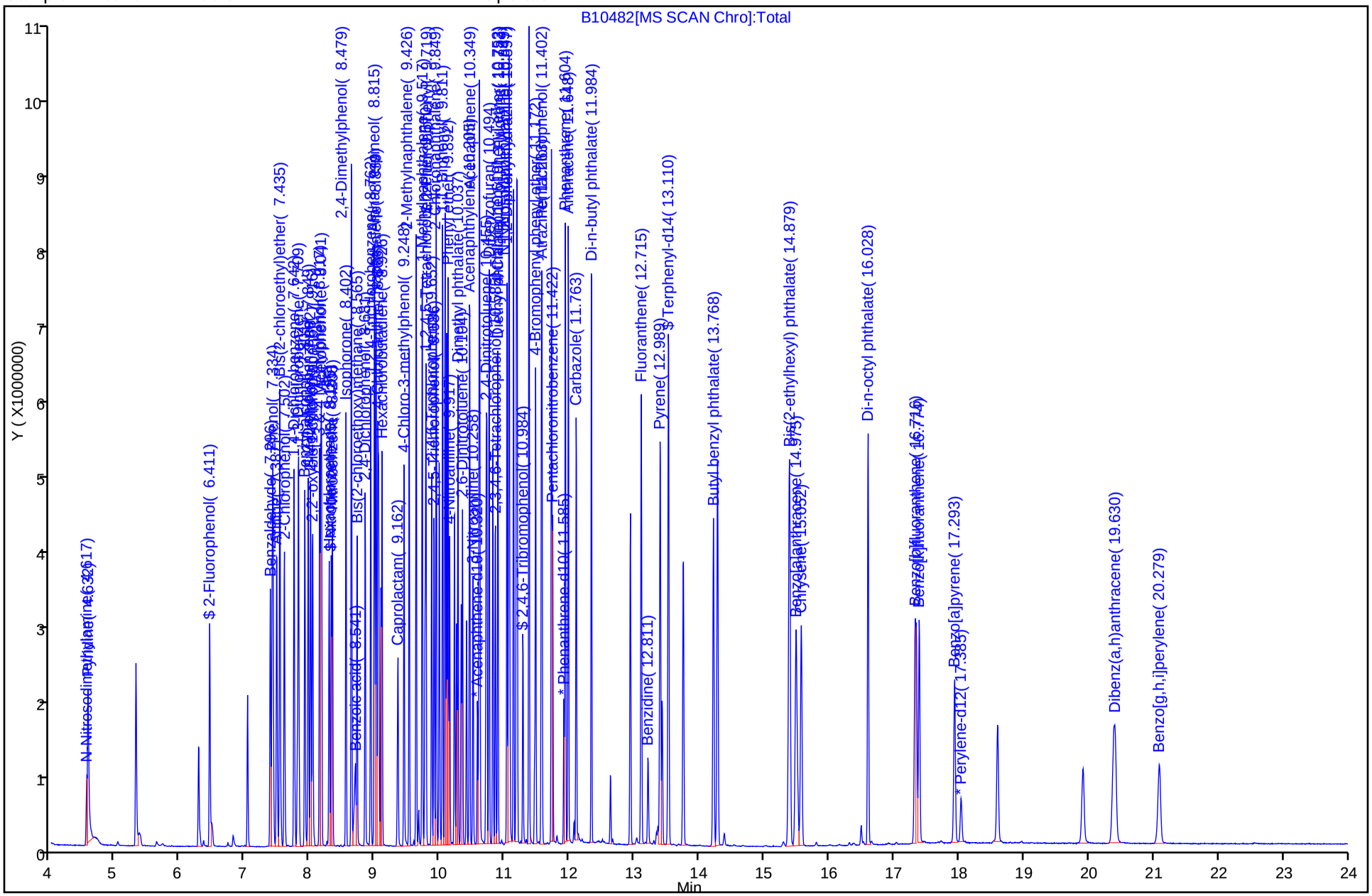
Inj Date: 22-Sep-2009 18:38:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49400 Lims Sample ID: 8

Client ID: Instrument: Inst. B

Sample Info: std8

Sample Amount: 1.00 ul Operator: MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10483.D		
Lims ID:	std10	Client ID:	
Inject. Date:	22-Sep-2009 19:10:30	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:	49400	Lims Sample ID:	9
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	25-Sep-2009 14:42:33	Calib Date:	22-Sep-2009 19:41:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 10:58:41
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:15:38
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:20:41
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:23:11
Reviewed By:	sullivanp	Date:	30-Oct-2009 11:53:13

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.692	7.691	0.001	507717	2.00	
* 2 Naphthalene-d8	136	8.822	8.821	0.001	1325257	2.00	
* 3 Acenaphthene-d10	164	10.323	10.321	0.002	422378	2.00	
* 4 Phenanthrene-d10	188	11.588	11.581	0.007	697435	2.00	
* 5 Chrysene-d12	240	14.997	14.990	0.007	533690	2.00	
* 6 Perylene-d12	264	17.387	17.385	0.002	387509	2.00	
$ 7 2-Fluorophenol	112	6.413	6.407	0.006	1045275	8.37	
$ 8 Phenol-d5	99	7.327	7.320	0.007	1416896	8.14	
$ 9 Nitrobenzene-d5	82	8.188	8.186	0.002	1350871	7.95	
$ 10 2-Fluorobiphenyl	172	9.722	9.720	0.002	2782986	9.92	
$ 11 2,4,6-Tribromophenol	330	10.991	10.985	0.006	250038	9.72	
$ 12 Terphenyl-d14	244	13.112	13.110	0.002	2134073	9.85	
15 N-Nitrosodimethylamine	42	4.624	4.613	0.011	763408	7.99	
16 Pyridine	79	4.639	4.637	0.002	1035756	9.07	
17 Benzaldehyde	105	7.298	7.296	0.002	775312	8.10	
18 Phenol	94	7.337	7.330	0.007	1463095	8.00	
19 Aniline	93	7.389	7.388	0.001	1726531	8.08	
20 Bis(2-chloroethyl)ether	93	7.433	7.431	0.002	1183318	8.12	5
21 2-Chlorophenol	128	7.505	7.498	0.007	1232369	7.96	
22 1,4-Dichlorobenzene	146	7.644	7.642	0.002	1484034	7.68	
23 1,3-Dichlorobenzene	146	7.707	7.705	0.002	1552523	7.88	
24 Benzyl alcohol	79	7.803	7.796	0.007	1061738	9.03	
25 1,2-Dichlorobenzene	146	7.851	7.849	0.002	1418289	9.18	
26 2-Methylphenol	108	7.885	7.883	0.002	1120879	7.93	
27 2,2'-oxybis[1-chloropropane]	45	7.914	7.912	0.002	2026361	9.45	
28 3 & 4 Methylphenol	108	8.019	8.013	0.006	1184497	8.12	
29 N-Nitrosodi-n-propylamine	70	8.034	8.027	0.007	869372	8.85	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	8.043	8.042	0.001	1676724	7.98	
31 Hexachloroethane	117	8.154	8.152	0.002	550932	8.05	
32 Nitrobenzene	77	8.207	8.200	0.007	1333371	7.98	
33 Isophorone	82	8.404	8.397	0.007	2285057	8.36	
34 2-Nitrophenol	139	8.481	8.479	0.002	741358	9.96	
35 2,4-Dimethylphenol	107	8.481	8.479	0.002	1304359	8.40	
36 Benzoic acid	105	8.553	8.513	0.040	657380	10.0	5
37 Bis(2-chloroethoxy)methane	93	8.563	8.561	0.002	1323968	7.80	
38 2,4-Dichlorophenol	162	8.683	8.681	0.002	1039168	8.23	
39 1,2,4-Trichlorobenzene	180	8.765	8.763	0.002	1177496	9.75	
40 Alpha-Terpineol	59	8.818	8.811	0.007	1165049	8.24	
41 Naphthalene	128	8.842	8.840	0.002	3669288	9.99	
42 4-Chloroaniline	127	8.866	8.864	0.002	1605681	8.47	
43 Hexachlorobutadiene	225	8.928	8.926	0.002	605681	9.54	
44 Caprolactam	55	9.169	9.143	0.026	554869	9.95	
45 4-Chloro-3-methylphenol	107	9.250	9.249	0.001	1065813	8.46	
46 2-Methylnaphthalene	142	9.428	9.426	0.002	2548579	7.72	
47 1-Methylnaphthalene	142	9.515	9.513	0.002	2491704	9.51	
48 Hexachlorocyclopentadiene	237	9.558	9.556	0.002	451039	10.2	
49 1,2,4,5-Tetrachlorobenzene	216	9.568	9.566	0.002	1015527	9.52	
50 2,4,6-Trichlorophenol	196	9.654	9.653	0.002	699662	9.76	
51 2,4,5-Trichlorophenol	196	9.688	9.686	0.002	735084	9.72	
52 1,1'-Biphenyl	154	9.813	9.811	0.002	2936790	10.0	
53 2-Chloronaphthalene	162	9.852	9.845	0.007	2709354	9.80	
54 Phenyl ether	170	9.895	9.893	0.002	1624999	7.86	
68 4-Nitroaniline	138	9.919	9.912	0.007	814305	9.73	
56 Dimethyl phthalate	163	10.039	10.032	0.007	2643173	10.2	
57 2,6-Dinitrotoluene	165	10.106	10.100	0.006	621792	10.1	
58 Acenaphthylene	152	10.207	10.206	0.001	3723572	10.6	
59 3-Nitroaniline	138	10.260	10.254	0.006	599772	9.74	
60 2,4-Dinitrophenol	184	10.342	10.340	0.002	209847	10.8	
61 Acenaphthene	153	10.352	10.350	0.002	2567193	10.4	
62 4-Nitrophenol	109	10.361	10.355	0.006	370103	10.0	
63 2,4-Dinitrotoluene	165	10.453	10.446	0.007	821220	9.73	
64 Dibenzofuran	168	10.496	10.489	0.007	3264156	10.1	
65 2,3,4,6-Tetrachlorophenol	232	10.587	10.581	0.006	546207	10.0	
66 Diethyl phthalate	149	10.621	10.619	0.002	2740233	10.2	
67 4-Chlorophenyl phenyl ether	204	10.756	10.754	0.002	1235429	10.3	
55 2-Nitroaniline	65	10.780	10.773	0.007	724387	10.1	
69 Fluorene	166	10.784	10.783	0.001	2840734	10.5	
70 4,6-Dinitro-2-methylphenol	198	10.799	10.792	0.007	319482	10.5	
71 Diphenylamine	169	10.852	10.845	0.007	2339705	10.4	
72 N-Nitrosodiphenylamine	169	10.852	10.845	0.007	2339705	10.4	
73 1,2-Diphenylhydrazine	77	10.895	10.888	0.007	4426570	10.9	
74 Azobenzene	77	10.895	10.888	0.007	4426570	10.9	
13 Benzophenone	105	10.905	10.898	0.007	2727680	11.1	
75 4-Bromophenyl phenyl ether	248	11.174	11.172	0.002	648260	10.3	
76 Hexachlorobenzene	284	11.256	11.254	0.002	613688	10.2	
77 Atrazine	200	11.265	11.263	0.002	709025	11.0	
78 Pentachlorophenol	266	11.410	11.408	0.002	332928	10.3	
79 Pentachloronitrobenzene	237	11.424	11.417	0.007	303722	9.86	
80 Phenanthrene	178	11.607	11.605	0.002	3597083	9.96	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
81 Anthracene	178	11.650	11.648	0.002	3588006	10.6	
83 Carbazole	167	11.765	11.764	0.001	2843868	10.0	
84 Di-n-butyl phthalate	149	11.987	11.985	0.002	4282368	9.87	
87 Fluoranthene	202	12.718	12.711	0.007	3368690	10.6	
86 Benzidine	184	12.814	12.812	0.002	758484	10.6	
85 Pyrene	202	12.992	12.990	0.002	3508169	9.72	
89 Butyl benzyl phthalate	149	13.771	13.769	0.002	1783685	9.67	
91 3,3'-Dichlorobenzidine	252	14.872	14.865	0.007	750826	9.65	
92 Bis(2-ethylhexyl) phthalate	149	14.886	14.880	0.006	2575963	9.71	
93 Benzo[a]anthracene	228	14.978	14.971	0.007	2396717	10.2	
94 Chrysene	228	15.055	15.043	0.012	2244555	9.76	
95 Di-n-octyl phthalate	149	16.026	16.024	0.002	4046108	9.93	
97 Benzo[b]fluoranthene	252	16.738	16.721	0.017	2253685	10.4	
98 Benzo[k]fluoranthene	252	16.776	16.770	0.006	2064836	10.4	
99 Benzo[a]pyrene	252	17.296	17.284	0.012	1779897	11.0	
100 Indeno[1,2,3-cd]pyrene	276	19.613	19.602	0.011	1574900	11.1	
101 Dibenz(a,h)anthracene	278	19.642	19.626	0.016	1267481	11.2	
102 Benzo[g,h,i]perylene	276	20.287	20.270	0.017	1312340	10.1	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 30-Oct-2009 11:53:14 Chrom Revision: 1.1 26-Oct-2009 10:54:26

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10483.D

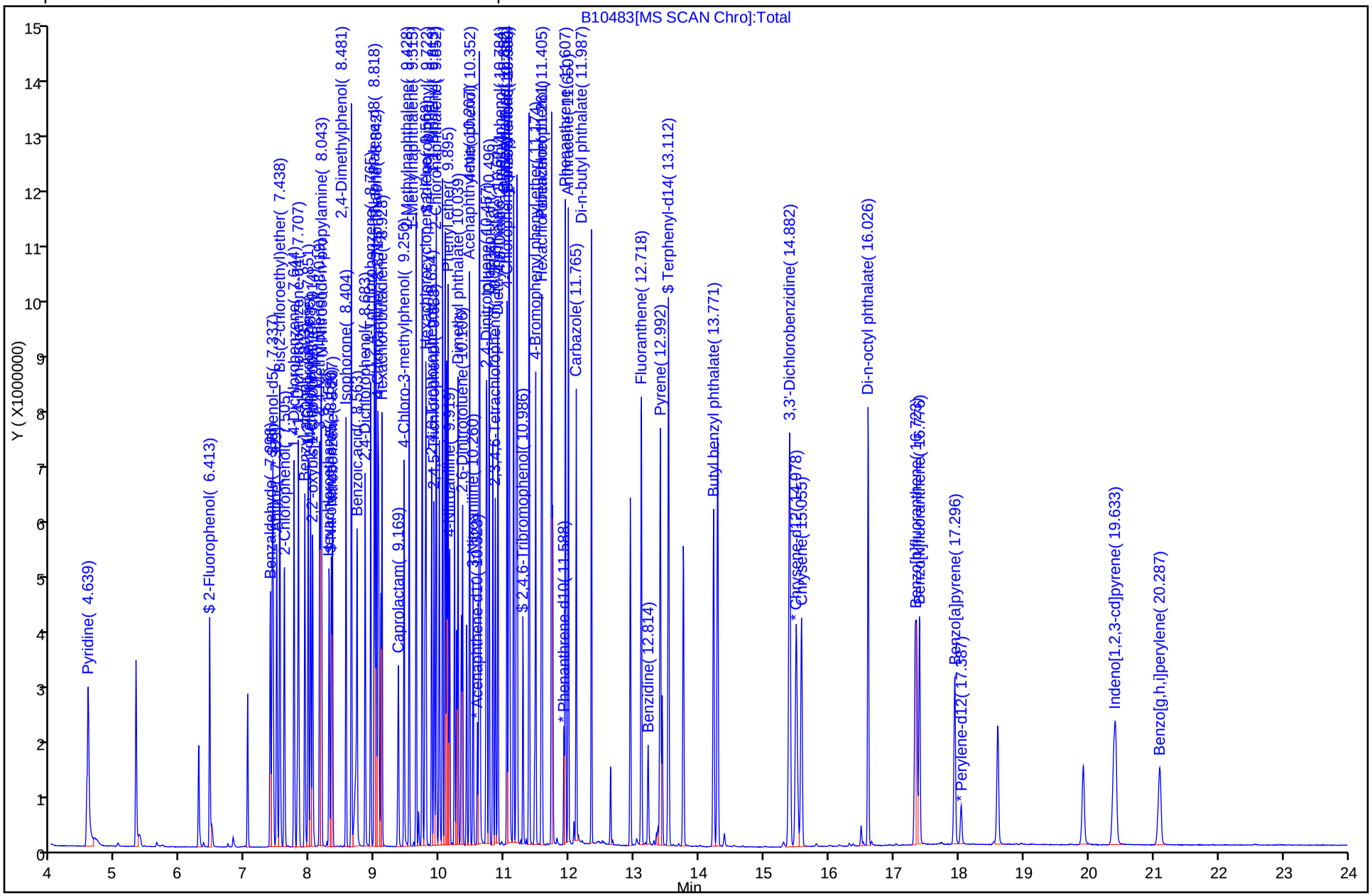
Inj Date: 22-Sep-2009 19:10:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49400 Lims Sample ID: 9

Client ID: Instrument: Inst. B

Sample Info: std10

Sample Amount: 1.00 ul Operator: MZ

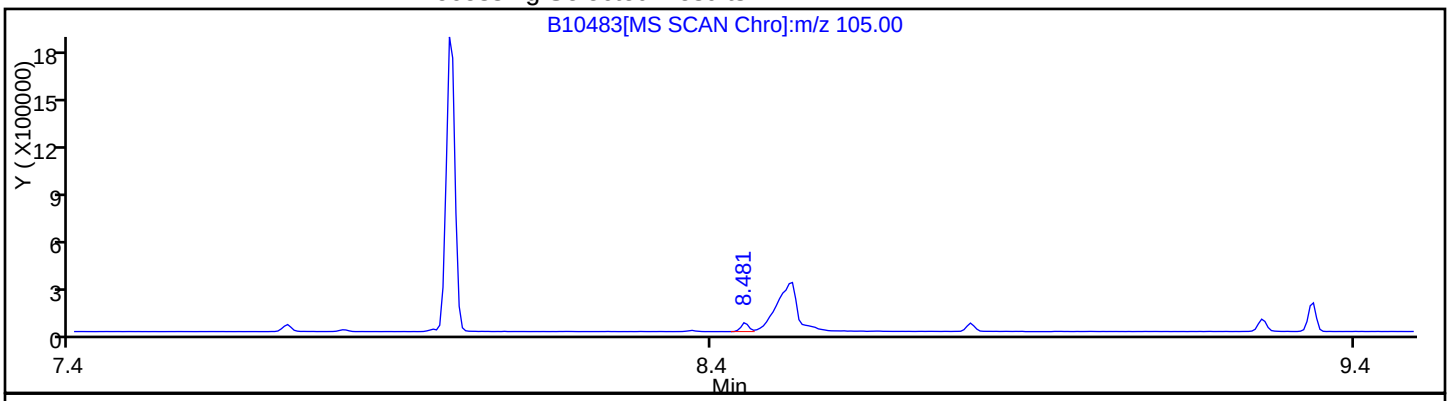


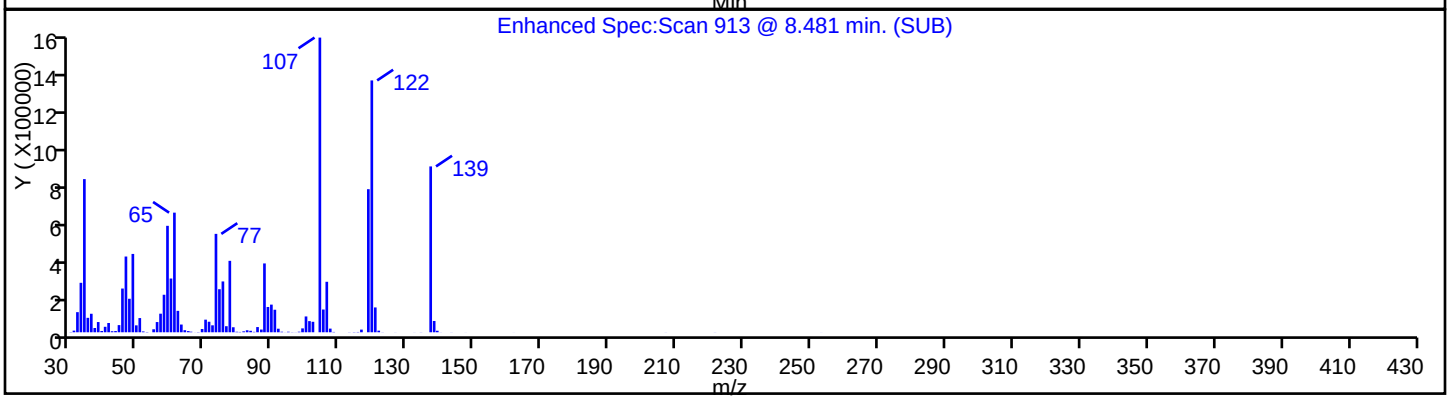
Chrom Revision: 1.1 26-Oct-2009 10:54:26
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10483.D		
Inj Date:	22-Sep-2009 19:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	9
Client ID:		Instrument:	Inst. B
Sample Info:	std10		
Sample Amount:	1.00 ul	Operator:	MZ

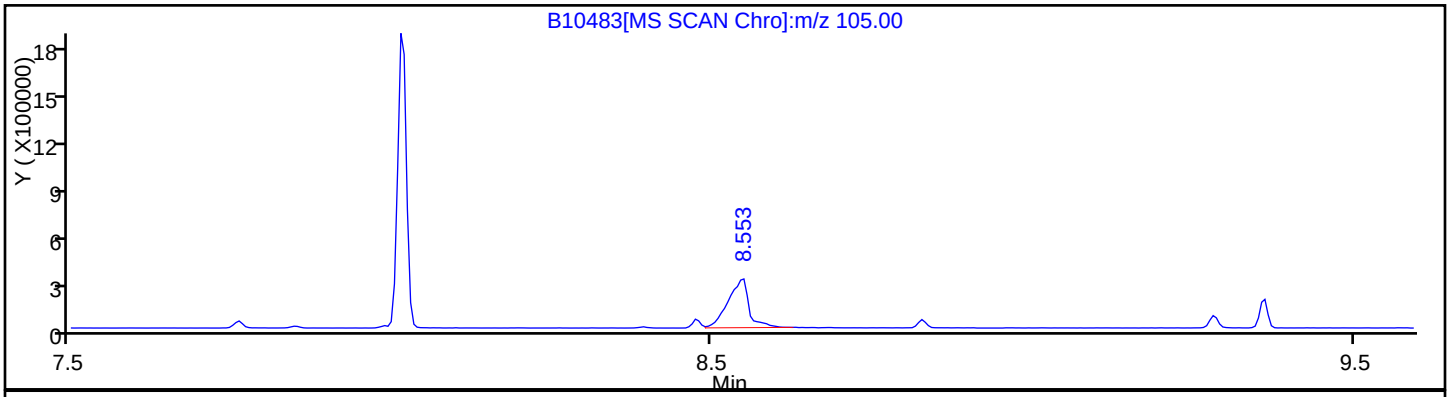
36 Benzoic acid

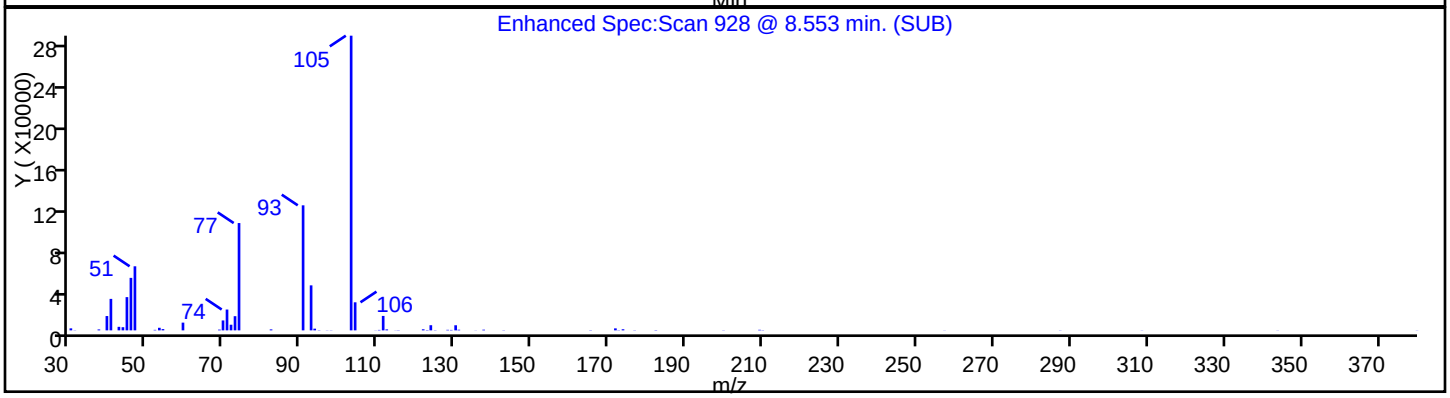
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 24-Sep-2009 10:58:41
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Lims ID:	std20	Client ID:	
Inject. Date:	22-Sep-2009 19:41:30	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:	49400	Lims Sample ID:	10
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	25-Sep-2009 14:42:33	Calib Date:	22-Sep-2009 19:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10483.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:06:32
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:15:47
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:33:53
Reviewed By:	sullivanp	Date:	30-Oct-2009 11:53:24

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.695	7.691	0.004	298728	2.00	
* 2 Naphthalene-d8	136	8.825	8.821	0.004	1672832	2.00	
* 3 Acenaphthene-d10	164	10.325	10.321	0.004	367730	2.00	
* 4 Phenanthrene-d10	188	11.585	11.581	0.004	604389	2.00	
* 5 Chrysene-d12	240	15.004	14.990	0.014	455557	2.00	
* 6 Perylene-d12	264	17.390	17.385	0.005	318850	2.00	
$ 7 2-Fluorophenol	112	6.411	6.407	0.004	2151026	29.3	
$ 8 Phenol-d5	99	7.330	7.320	0.010	2663045	26.0	
$ 9 Nitrobenzene-d5	82	8.190	8.186	0.004	2516367	11.7	
$ 10 2-Fluorobiphenyl	172	9.724	9.720	0.004	4843890	19.8	
$ 11 2,4,6-Tribromophenol	330	10.994	10.985	0.009	486964	21.7	
$ 12 Terphenyl-d14	244	13.115	13.110	0.005	3862214	20.9	
15 N-Nitrosodimethylamine	42	4.627	4.613	0.014	1410514	25.1	5
16 Pyridine	79	4.632	4.637	-0.005	1844641	27.5	5
17 Benzaldehyde	105	7.301	7.296	0.005	1432711	25.4	5
18 Phenol	94	7.344	7.330	0.014	2767825	25.7	5
19 Aniline	93	7.397	7.388	0.009	3227695	25.7	5
20 Bis(2-chloroethyl)ether	93	7.435	7.431	0.004	2226348	26.0	5
21 2-Chlorophenol	128	7.507	7.498	0.009	2328210	25.5	5
22 1,4-Dichlorobenzene	146	7.647	7.642	0.005	2771429	24.4	5
23 1,3-Dichlorobenzene	146	7.709	7.705	0.004	2877638	24.8	5
24 Benzyl alcohol	79	7.806	7.796	0.010	2005421	29.0	5
25 1,2-Dichlorobenzene	146	7.854	7.849	0.005	2630495	29.2	5
26 2-Methylphenol	108	7.887	7.883	0.004	2130186	25.6	5
27 2,2'-oxybis[1-chloropropane]	45	7.916	7.912	0.004	3689583	29.9	5
28 3 & 4 Methylphenol	108	8.022	8.013	0.009	2254767	26.3	5
29 N-Nitrosodi-n-propylamine	70	8.041	8.027	0.014	1674408	29.0	5
30 Acetophenone	105	8.051	8.042	0.009	3154851	25.5	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
31 Hexachloroethane	117	8.157	8.152	0.005	1034231	25.7	5
32 Nitrobenzene	77	8.210	8.200	0.010	2489024	11.8	5
33 Isophorone	82	8.407	8.397	0.010	4131187	12.0	5
34 2-Nitrophenol	139	8.484	8.479	0.005	1402509	14.9	
35 2,4-Dimethylphenol	107	8.484	8.479	0.005	2399084	12.2	5
36 Benzoic acid	105	8.570	8.513	0.057	1364863	12.7	5
37 Bis(2-chloroethoxy)methane	93	8.570	8.561	0.009	2486864	11.6	5
38 2,4-Dichlorophenol	162	8.686	8.681	0.005	1937396	12.2	5
39 1,2,4-Trichlorobenzene	180	8.767	8.763	0.004	2168029	20.2	5
40 Alpha-Terpineol	59	8.820	8.811	0.009	2135810	12.0	5
41 Naphthalene	128	8.844	8.840	0.004	6123960	NaN	5
42 4-Chloroaniline	127	8.873	8.864	0.009	2933841	12.3	5
43 Hexachlorobutadiene	225	8.931	8.926	0.005	1141386	14.4	5
44 Caprolactam	55	9.186	9.143	0.043	1022296	20.0	5
45 4-Chloro-3-methylphenol	107	9.258	9.249	0.009	2011945	12.7	5
46 2-Methylnaphthalene	142	9.431	9.426	0.005	4516979	10.8	5
47 1-Methylnaphthalene	142	9.518	9.513	0.005	4422483	13.5	5
48 Hexachlorocyclopentadiene	237	9.556	9.556	0.000	800869	20.7	5
49 1,2,4,5-Tetrachlorobenzene	216	9.570	9.566	0.004	1862259	14.0	5
50 2,4,6-Trichlorophenol	196	9.657	9.653	0.005	1317921	21.0	5
51 2,4,5-Trichlorophenol	196	9.695	9.686	0.009	1383001	20.9	5
52 1,1'-Biphenyl	154	9.816	9.811	0.005	5038850	19.7	
53 2-Chloronaphthalene	162	9.854	9.845	0.009	4865342	20.2	5
54 Phenyl ether	170	9.897	9.893	0.004	2967103	11.4	5
68 4-Nitroaniline	138	9.921	9.912	0.009	1533798	20.9	5
56 Dimethyl phthalate	163	10.047	10.032	0.014	4689070	20.8	5
57 2,6-Dinitrotoluene	165	10.109	10.100	0.009	1174146	21.8	5
58 Acenaphthylene	152	10.210	10.206	0.004	6179998	20.1	5
59 3-Nitroaniline	138	10.268	10.254	0.014	1118616	20.8	5
60 2,4-Dinitrophenol	184	10.349	10.340	0.009	445852	19.9	
61 Acenaphthene	153	10.354	10.350	0.004	4478559	20.8	5
62 4-Nitrophenol	109	10.369	10.355	0.014	688447	21.2	5
63 2,4-Dinitrotoluene	165	10.455	10.446	0.009	1575934	21.3	5
64 Dibenzofuran	168	10.499	10.489	0.010	5548087	19.7	
65 2,3,4,6-Tetrachlorophenol	232	10.590	10.581	0.009	1011550	21.2	5
66 Diethyl phthalate	149	10.624	10.619	0.005	4799880	20.5	5
67 4-Chlorophenyl phenyl ether	204	10.758	10.754	0.004	2284783	22.0	5
55 2-Nitroaniline	65	10.787	10.773	0.014	1299915	20.8	5
69 Fluorene	166	10.787	10.783	0.004	4907207	20.8	5
70 4,6-Dinitro-2-methylphenol	198	10.801	10.792	0.009	656364	19.9	
71 Diphenylamine	169	10.854	10.845	0.009	4182249	21.5	5
72 N-Nitrosodiphenylamine	169	10.854	10.845	0.009	4182249	21.5	5
73 1,2-Diphenylhydrazine	77	10.893	10.888	0.005	7664189	21.8	5
74 Azobenzene	77	10.893	10.888	0.005	7664189	21.8	5
13 Benzophenone	105	10.907	10.898	0.009	4897728	23.0	5
75 4-Bromophenyl phenyl ether	248	11.177	11.172	0.005	1211232	22.2	5
76 Hexachlorobenzene	284	11.258	11.254	0.004	1121617	21.5	5
77 Atrazine	200	11.273	11.263	0.010	1299048	23.3	5
78 Pentachlorophenol	266	11.412	11.408	0.004	693970	20.0	
79 Pentachloronitrobenzene	237	11.427	11.417	0.010	575796	21.5	5
80 Phenanthrene	178	11.609	11.605	0.004	5957230	19.0	
81 Anthracene	178	11.653	11.648	0.005	5933008	20.3	5

Report Date: 30-Oct-2009 11:53:25 Chrom Revision: 1.1 26-Oct-2009 10:54:26
Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D

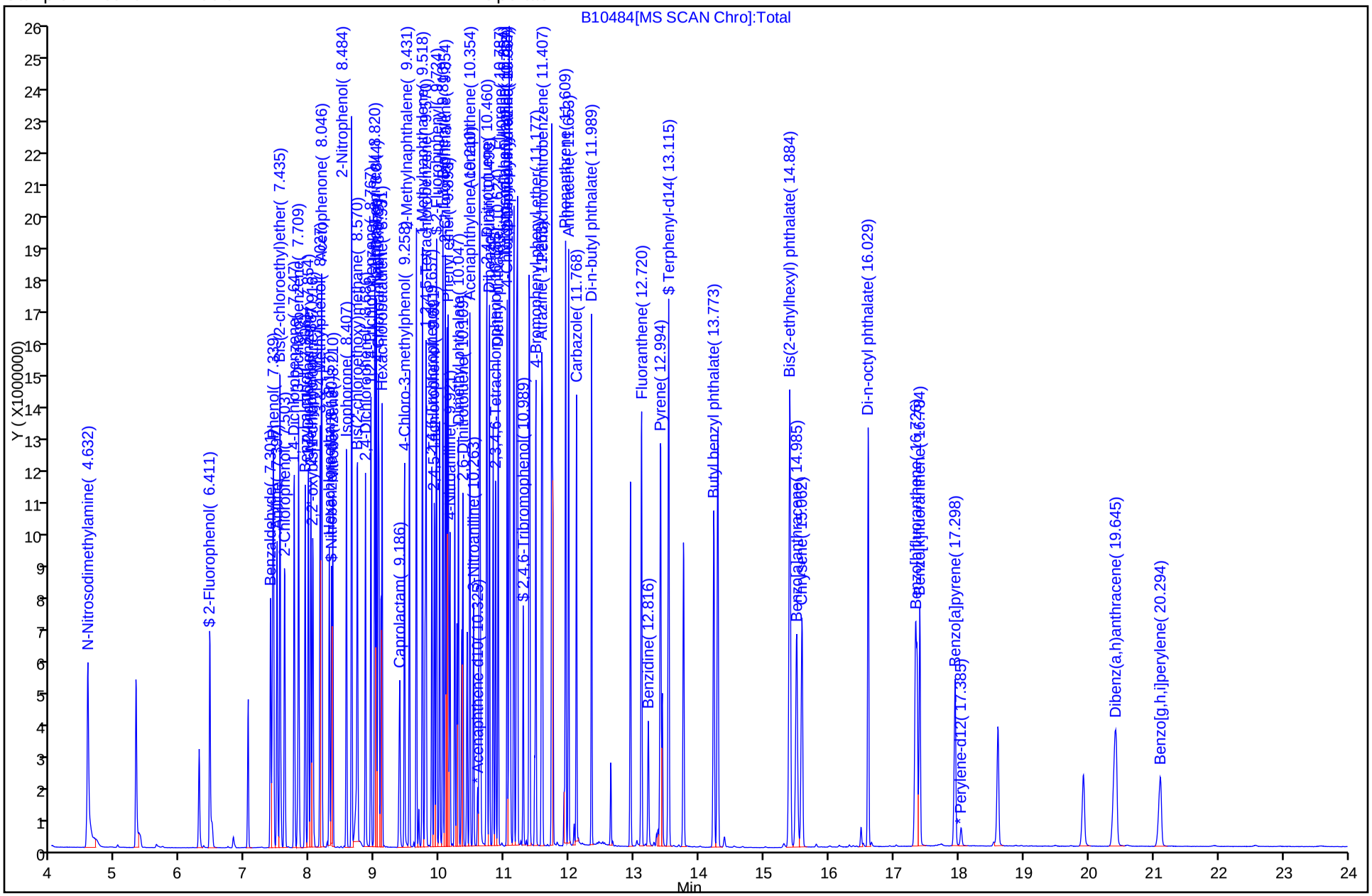
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.768	11.764	0.004	4852480	19.7	
84 Di-n-butyl phthalate	149	11.989	11.985	0.004	6657448	17.7	
87 Fluoranthene	202	12.720	12.711	0.009	5840728	21.2	5
86 Benzidine	184	12.816	12.812	0.004	1728954	19.9	
85 Pyrene	202	12.999	12.990	0.009	6156629	20.0	
89 Butyl benzyl phthalate	149	13.773	13.769	0.004	3284068	20.8	5
91 3,3'-Dichlorobenzidine	252	14.879	14.865	0.014	1431429	21.4	5
92 Bis(2-ethylhexyl) phthalate	149	14.884	14.880	0.004	4789512	21.0	5
93 Benzo[a]anthracene	228	14.985	14.971	0.014	4309332	21.6	5
94 Chrysene	228	15.062	15.043	0.019	4041745	20.6	5
95 Di-n-octyl phthalate	149	16.029	16.024	0.005	7072263	21.0	5
97 Benzo[b]fluoranthene	252	16.745	16.721	0.024	3926119	22.0	5
98 Benzo[k]fluoranthene	252	16.784	16.770	0.014	3781266	23.1	5
99 Benzo[a]pyrene	252	17.298	17.284	0.014	3144311	23.6	5
100 Indeno[1,2,3-cd]pyrene	276	19.626	19.602	0.024	2616225	22.3	5
101 Dibenz(a,h)anthracene	278	19.650	19.626	0.024	2163270	23.2	5
102 Benzo[g,h,i]perylene	276	20.294	20.270	0.024	2116396	19.8	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 30-Oct-2009 11:53:25 Chrom Revision: 1.1 26-Oct-2009 10:54:26

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Inj Date:	22-Sep-2009 19:41:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	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\20090924-1.b\B10484.D		
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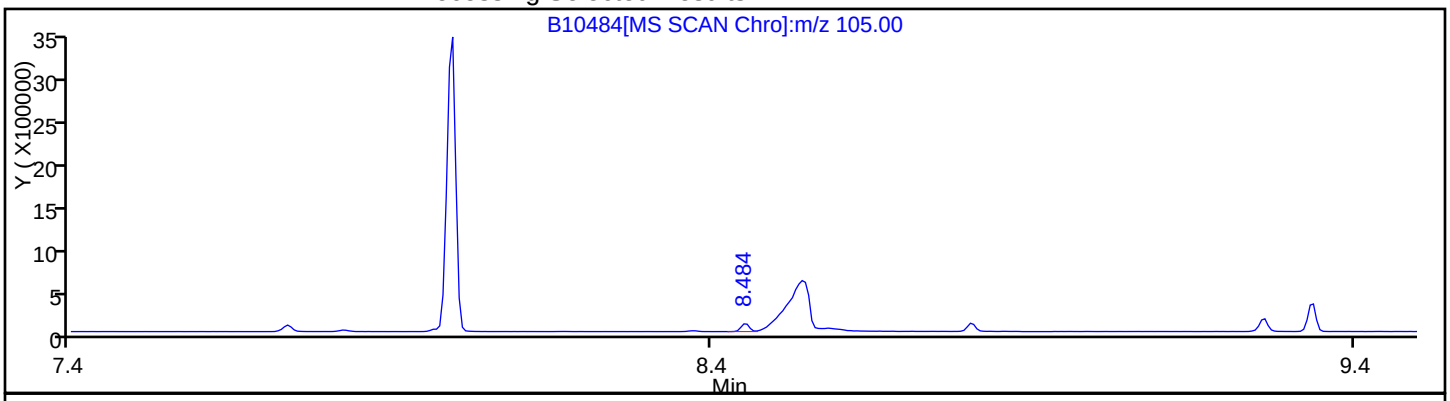
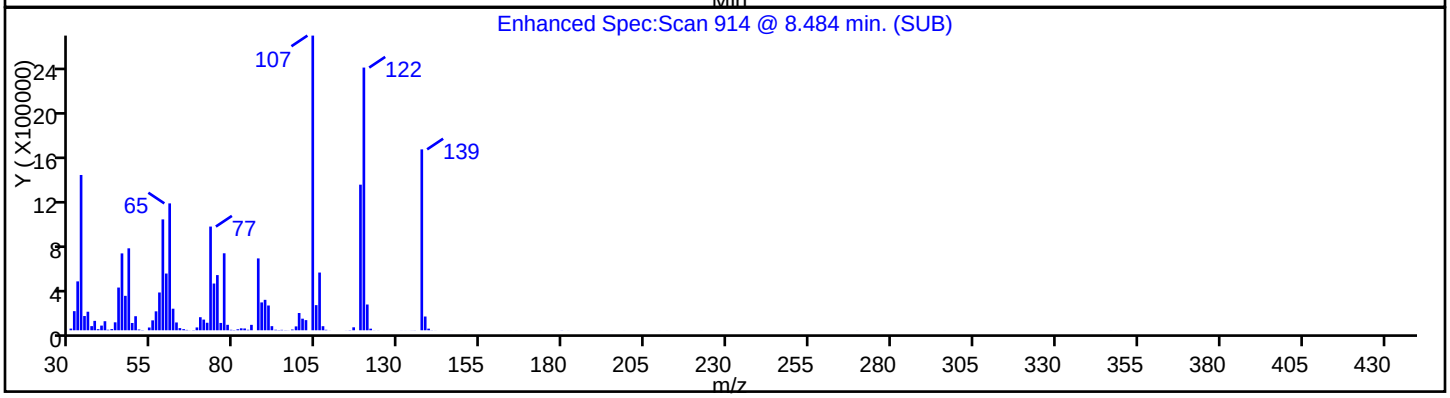
Lims Batch ID:	49400	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	1.00 ul	Operator:	MZ

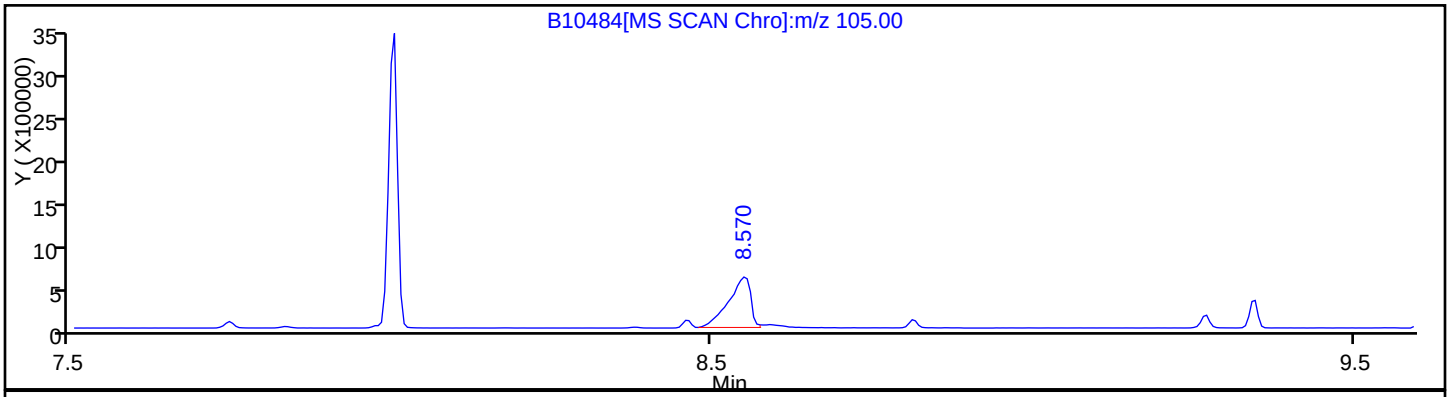
36 Benzoic acid

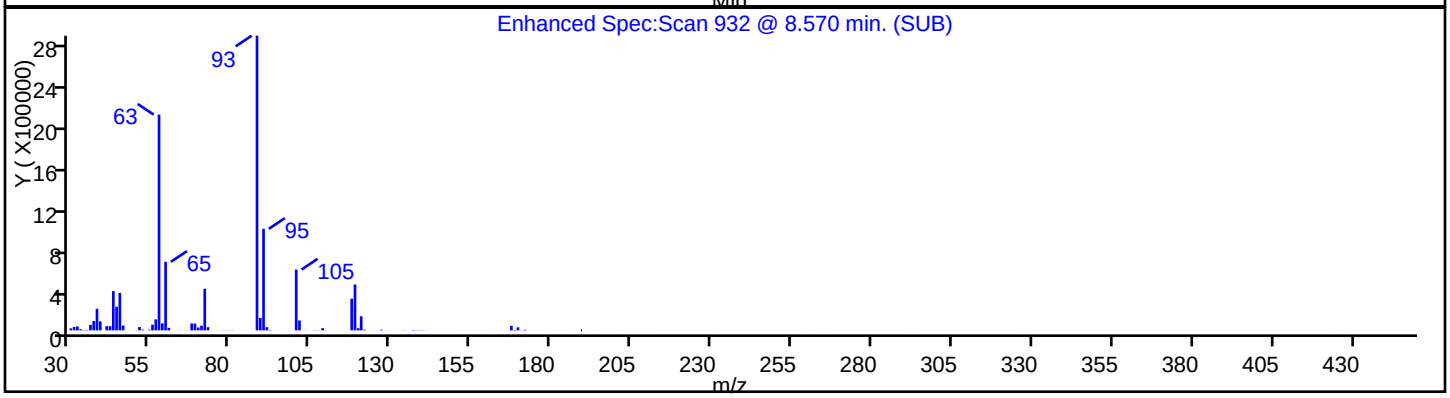
Processing Selected Results





Manual Selected Results





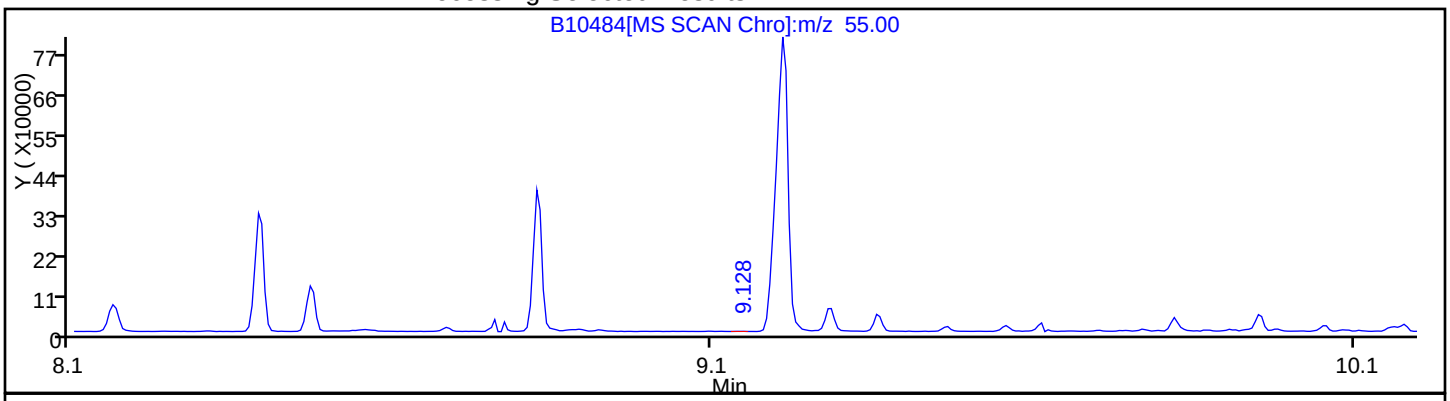
Reviewer: sullivanp, 24-Sep-2009 11:06:32
Audit Action: Selected Alternate Hit
Audit Reason:

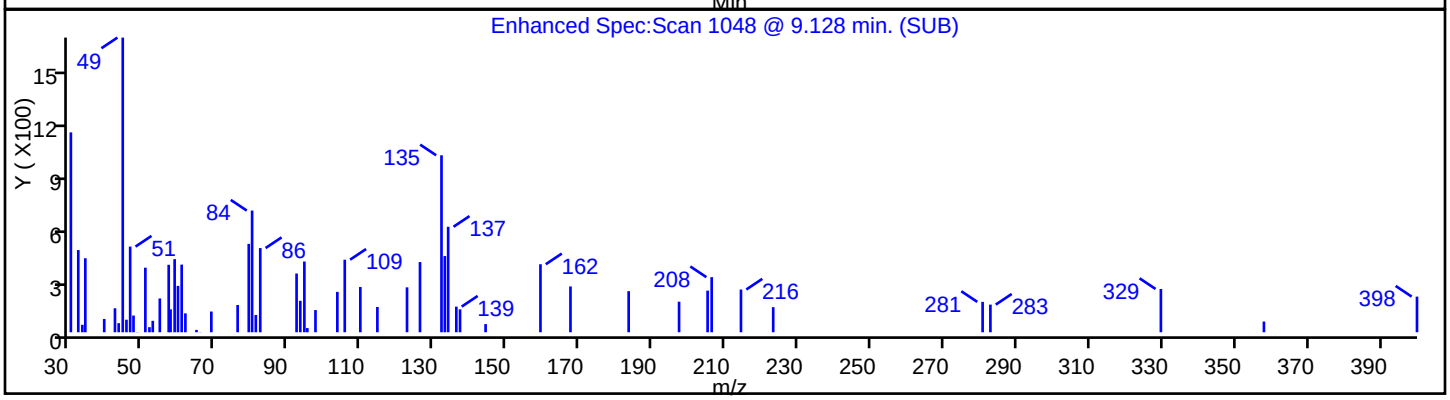
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Inj Date:	22-Sep-2009 19:41:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	1.00 ul	Operator:	MZ

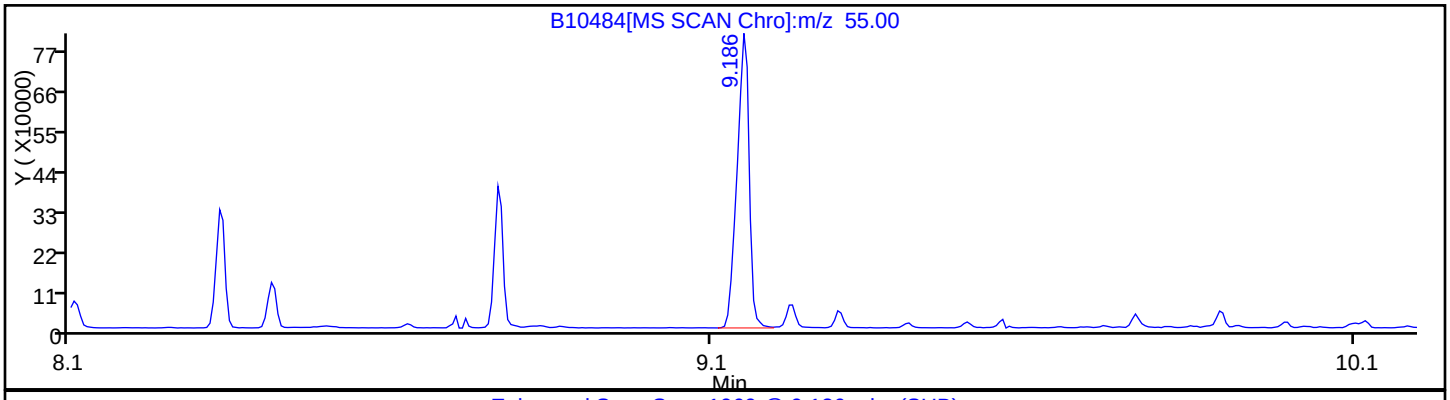
44 Caprolactam

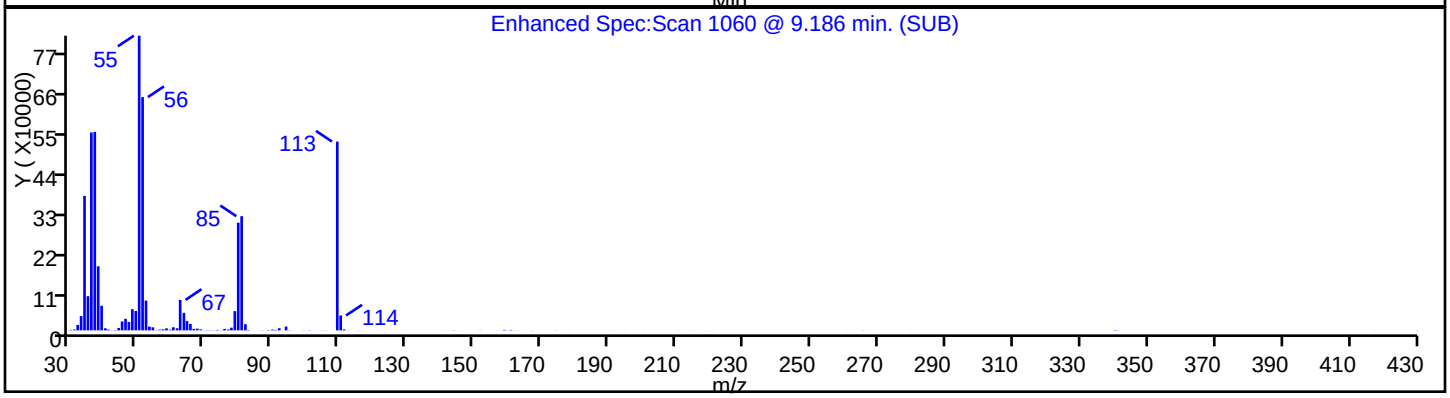
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 24-Sep-2009 11:06:32
Audit Action: Selected Alternate Hit
Audit Reason:

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24499-2 Analy Batch No.: 49442

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2009 18:20 Calibration End Date: 09/23/2009 22:32 Calibration ID: 4743

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49442/3	B10513.D
Level 2	STD025 360-49442/4	B10514.D
Level 3	STD05 360-49442/5	B10515.D
Level 4	STD1 360-49442/6	B10516.D
Level 5	STD25 360-49442/7	B10517.D
Level 6	STD5 360-49442/2	B10512.D
Level 7	STD8 360-49442/8	B10518.D
Level 8	STD10 360-49442/9	B10519.D
Level 9	STD20 360-49442/10	B10520.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	+++++ 0.4282	0.3902 0.4110	0.2787 0.3947	0.4111 0.6172	0.5819	Qua	0.2405	0.2275	0.0187						0.9940		0.9900
N-Nitrosodimethylamine	0.4184 0.3425	0.3894 0.3244	0.4143 0.2959	0.3970 0.4724	0.4111	Ave		0.3851				14.0		15.0			
Benzoic acid	+++++ 0.0699	+++++ 0.0859	0.0195 0.1012	0.0251 0.0903	0.1058	Qua	-0.056	0.1024	0						0.9900		0.9900
2,4-Dinitrophenol	+++++ 0.0742	+++++ 0.1026	+++++ 0.1181	0.0271 0.1564	0.0978	Qua	-0.038	0.0763	0.0041		0.0500				0.9980		0.9900
Benzaldehyde	0.3961 0.3481	0.3719 0.3341	0.3875 0.3084	0.4011 0.4686	0.4037	Ave		0.3799				12.0		15.0			
Phenol	0.7416 0.6376	0.7491 0.6204	0.7246 0.5785	0.7414 0.9148	0.7441	Ave		0.7169				14.0		15.0			
Aniline	0.8187 0.7726	0.7838 0.7357	0.8101 0.6844	0.8565 1.0804	0.8857	Ave		0.8253				14.0		15.0			
Bis(2-chloroethyl)ether	0.6438 0.5063	0.5874 0.4952	0.5518 0.4569	0.5855 0.7224	0.5974	Ave		0.5718				14.0		15.0			
2-Chlorophenol	0.6307 0.5625	0.6036 0.5237	0.6006 0.4862	0.6381 0.7769	0.6538	Ave		0.6085				14.0		15.0			
1,4-Dichlorobenzene	0.8521 0.6677	0.7580 0.6387	0.7555 0.5866	0.8037 0.9135	0.7681	Ave		0.7493				14.0		15.0			
Pentachlorophenol	+++++ 0.0710	+++++ 0.0974	+++++ 0.1013	0.0346 0.1277	0.0835	Qua	-0.043	0.0795	0.0025						0.9990		0.9900
1,3-Dichlorobenzene	0.8362 0.6883	0.8240 0.6589	0.8183 0.6095	0.8118 0.9494	0.8163	Ave		0.7792				14.0		15.0			
Benzyl alcohol	0.4149 0.4711	0.4339 0.4554	0.4668 0.4261	0.4993 0.6854	0.5458	Qua	0.2072	0.2481	0.0211						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.: 360-24499-2 Analy Batch No.: 49442

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2009 18:20 Calibration End Date: 09/23/2009 22:32 Calibration ID: 4743

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								
1,2-Dichlorobenzene	0.8664 0.6299	0.8276 0.6000	0.7649 0.5564	0.7451 0.8742	0.7397	Qua	0.3299	0.3361	0.0258						0.9950		0.9900
2-Methylphenol	0.5588 0.5041	0.5221 0.4814	0.5430 0.4397	0.5565 0.7160	0.5706	Ave		0.5436				14.0		15.0			
2,2'-oxybis[1-chloropropane]	1.2715 0.9196	1.1047 0.8764	1.1150 0.7987	1.0857 1.2086	1.0656	Ave		1.0495				15.0		15.0			
3 & 4 Methylphenol	0.5493 0.5316	0.5356 0.5069	0.5718 0.4792	0.5778 0.7625	0.6193	Ave		0.5704				15.0		15.0			
N-Nitrosodi-n-propylamine	0.3946 0.3888	0.3817 0.3771	0.3898 0.3594	0.4079 0.5899	0.4493	Qua	0.1796	0.1929	0.0192		0.0500				0.9960		0.9900
Acetophenone	0.8279 0.7348	0.8172 0.7288	0.8183 0.6857	0.8305 1.0849	0.8572	Ave		0.8206				14.0		15.0			
Hexachloroethane	0.2660 0.2419	0.2576 0.2321	0.2698 0.2180	0.2671 0.3518	0.2823	Ave		0.2652				14.0		15.0			
Nitrobenzene	0.2800 0.2309	0.2846 0.2219	0.2803 0.2035	0.2807 0.1496	0.2731	Qua	0.0174	0.2609	-0.006						0.9990		0.9900
Isophorone	0.4185 0.3927	0.4183 0.3778	0.4413 0.3443	0.4455 0.2444	0.4540	Qua	0.0049	0.4534	-0.010						0.9990		0.9900
2-Nitrophenol	0.1182 0.1183	0.1216 0.1163	0.1252 0.1075	0.1326 0.0812	0.1428	Ave		0.1182				15.0		15.0			
2,4-Dimethylphenol	0.2595 0.2208	0.2359 0.2076	0.2535 0.1875	0.2531 0.1420	0.2562	Qua	0.0161	0.2420	-0.005						0.9990		0.9900
Bis(2-chloroethoxy)methane	0.3071 0.2249	0.2814 0.2124	0.2699 0.1995	0.2736 0.1458	0.2604	Qua	0.0167	0.2524	-0.005						1.0000		0.9900
2,4-Dichlorophenol	0.1924 0.1777	0.1837 0.1694	0.2014 0.1563	0.2074 0.1159	0.2087	Qua	0.0080	0.2002	-0.004						0.9990		0.9900
1,2,4-Trichlorobenzene	0.2670 0.1990	0.2533 0.1927	0.2447 0.1784	0.2447 0.1294	0.2418	Qua	0.0159	0.2279	-0.005						0.9990		0.9900
Alpha-Terpineol	0.2359 0.1998	0.2209 0.1959	0.2227 0.1791	0.2298 0.1283	0.2427	Qua	0.0047	0.2334	-0.005						0.9990		0.9900
Naphthalene	0.8935 0.6457	0.8048 0.6095	0.8065 0.5509	0.7912 0.3477	0.7625	Qua	0.0367	0.7602	-0.021						0.9990		0.9900
4-Chloroaniline	0.2856 0.2668	0.2801 0.2526	0.2842 0.2355	0.3034 0.1739	0.3087	Qua	0.0068	0.3008	-0.006						1.0000		0.9900
Hexachlorobutadiene	0.1513 0.1013	0.1362 0.1015	0.1318 0.0919	0.1243 0.0685	0.1211	Qua	0.0079	0.1169	-0.002						0.9990		0.9900
Caprolactam	0.0797 0.0884	0.0815 0.0891	0.0893 0.0832	0.0990 0.0617	0.1055	Ave		0.0864				14.0		15.0			
4-Nitrophenol	+++++ 0.1547	0.0692 0.1760	0.1028 0.1777	0.1228 0.1941	0.1678	Lin2	-0.029	0.1744			0.0500				0.9900		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.: 360-24499-2 Analy Batch No.: 49442

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2009 18:20 Calibration End Date: 09/23/2009 22:32 Calibration ID: 4743

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-Chloro-3-methylphenol	0.2016 0.1838	0.1734 0.1776	0.1907 0.1648	0.2057 0.1233	0.2117	Ave		0.1814				15.0		15.0			
2-Methylnaphthalene	0.5756 0.4381	0.5560 0.4229	0.5461 0.3858	0.5425 0.2630	0.5225	Qua	0.0274	0.5115	-0.012						0.9990		0.9900
1-Methylnaphthalene	0.5704 0.4224	0.5371 0.4108	0.5374 0.3770	0.5280 0.2604	0.5013	Qua	0.0261	0.4940	-0.012						0.9990		0.9900
Hexachlorocyclopentadiene	0.1466 0.1839	0.1073 0.1968	0.1459 0.2126	0.1509 0.2496	0.2116	Lin	-0.132	0.2448			0.0500				0.9900		0.9900
1,2,4,5-Tetrachlorobenzene	0.2265 0.1736	0.2167 0.1671	0.2133 0.1522	0.2117 0.1137	0.2039	Qua	0.0151	0.1944	-0.004						0.9990		0.9900
4,6-Dinitro-2-methylphenol	+++++ 0.0776	0.0179 0.0950	0.0324 0.1010	0.0423 0.1240	0.0891	Qua	-0.022	0.0785	0.0023						0.9990		0.9900
2,4,6-Trichlorophenol	0.2525 0.2968	0.2341 0.3425	0.2719 0.3355	0.2885 0.3465	0.3350	Ave		0.3004				14.0		15.0			
2,4,5-Trichlorophenol	0.2311 0.3123	0.2626 0.3661	0.2819 0.3554	0.3029 0.3700	0.3547	Lin2	-0.013	0.3408							0.9920		0.9900
1,1'-Biphenyl	1.3861 1.3009	1.3654 1.4699	1.3119 1.3896	1.3628 1.2709	1.4449	Ave		1.3669				4.8		15.0			
2-Chloronaphthalene	1.3314 1.2457	1.1884 1.4246	1.2889 1.3019	1.3151 1.2899	1.4127	Ave		1.3110				5.7		15.0			
Phenyl ether	0.3882 0.2699	0.3383 0.2651	0.3489 0.2429	0.3327 0.1751	0.3084	Qua	0.0146	0.3122	-0.007						0.9990		0.9900
4-Nitroaniline	0.2389 0.3431	0.2546 0.4024	0.2875 0.3872	0.3165 0.4074	0.3827	Lin1	-0.030	0.3956							0.9970		0.9900
Benzidine	+++++ 0.1254	+++++ 0.1950	0.0370 0.2166	0.0801 0.3345	0.1129	Qua	-0.051	0.0999	0.0119						0.9990		0.9900
Dimethyl phthalate	1.1348 1.1534	1.1663 1.3138	1.1924 1.2476	1.2311 1.2230	1.2589	Ave		1.2135				4.7		15.0			
2,6-Dinitrotoluene	0.2434 0.2723	0.2254 0.3036	0.2493 0.2958	0.2709 0.3088	0.2905	Ave		0.2733				11.0		15.0			
Acenaphthylene	1.5159 1.6410	1.5476 1.8638	1.5968 1.7619	1.7065 1.5220	1.8415	Ave		1.6663				8.0		15.0			
3-Nitroaniline	0.1911 0.2609	0.2026 0.3028	0.2406 0.2919	0.2592 0.3092	0.2851	Lin2	-0.011	0.2822							0.9920		0.9900
Acenaphthene	1.1531 1.0816	1.0729 1.2581	1.0975 1.1925	1.1258 1.1346	1.2202	Ave		1.1485				5.6		15.0			
2,4-Dinitrotoluene	0.1928 0.3489	0.2443 0.4176	0.2653 0.4050	0.3086 0.4316	0.3806	Lin1	-0.041	0.4141							0.9950		0.9900
Dibenzofuran	1.5658 1.4365	1.4869 1.6266	1.4697 1.5483	1.4807 1.3892	1.5702	Ave		1.5082				5.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24499-2 Analy Batch No.: 49442

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2009 18:20 Calibration End Date: 09/23/2009 22:32 Calibration ID: 4743

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								
2,3,4,6-Tetrachlorophenol	0.1629 0.2231	0.1469 0.2749	0.1810 0.2663	0.2009 0.2832	0.2497	Lin1	-0.025	0.2711							0.9940		0.9900
Diethyl phthalate	1.3706 1.1993	1.1988 1.3558	1.2380 1.2941	1.2394 1.2401	1.2883	Ave		1.2694				4.9		15.0			
4-Chlorophenyl phenyl ether	0.5494 0.5292	0.5309 0.6029	0.5263 0.5835	0.5336 0.5990	0.5650	Ave		0.5578				5.5		15.0			
2-Nitroaniline	0.1908 0.3028	0.2305 0.3374	0.2794 0.3596	0.2673 0.3809	0.3428	Lin1	-0.031	0.3599							0.9940		0.9900
Fluorene	1.3156 1.2016	1.1671 1.4140	1.2029 1.3495	1.2048 1.2438	1.3554	Ave		1.2727				6.9		15.0			
Diphenylamine	0.6016 0.6160	0.6147 0.7066	0.6158 0.6823	0.6262 0.6556	0.6713	Ave		0.6434				5.7		15.0			
N-Nitrosodiphenylamine	0.6016 0.6160	0.6147 0.7066	0.6158 0.6823	0.6262 0.6556	0.6713	Ave		0.6434				5.7		15.0			
1,2-Diphenylhydrazine	0.9967 1.1839	1.0810 1.3422	1.1078 1.2848	1.1929 1.1796	1.2805	Ave		1.1833				9.3		15.0			
Azobenzene	0.9967 1.1839	1.0810 1.3422	1.1078 1.2848	1.1929 1.1796	1.2805	Ave		1.1833				9.3		15.0			
Benzophenone	0.6003 0.6933	0.6451 0.8143	0.6709 0.7846	0.6969 0.7614	0.7663	Ave		0.7148				9.9		15.0			
4-Bromophenyl phenyl ether	0.1598 0.1661	0.1711 0.1947	0.1729 0.1879	0.1717 0.1955	0.1852	Ave		0.1783				7.2		15.0			
Hexachlorobenzene	0.1787 0.1571	0.1581 0.1799	0.1653 0.1727	0.1692 0.1842	0.1718	Ave		0.1708				5.5		15.0			
Atrazine	0.1621 0.1757	0.1605 0.2063	0.1700 0.1972	0.1772 0.2023	0.1940	Ave		0.1828				9.5		15.0			
Pentachloronitrobenzene	0.0676 0.0770	0.0656 0.0954	0.0632 0.0916	0.0721 0.0962	0.0854	Lin1	-0.007	0.0927							0.9950		0.9900
Phenanthrene	1.0804 0.9549	1.0461 1.0865	0.9690 1.0412	0.9919 0.9171	1.0534	Ave		1.0156				5.9		15.0			
Anthracene	0.8573 0.9314	0.8684 1.0800	0.9151 1.0350	0.9389 0.9125	1.0498	Ave		0.9543				8.5		15.0			
Carbazole	0.8438 0.7351	0.7785 0.8468	0.8273 0.8208	0.8220 0.7927	0.8629	Ave		0.8144				4.9		15.0			
Di-n-butyl phthalate	1.5890 1.1555	1.2391 1.3164	1.1946 1.2286	1.2105 0.9856	1.2611	Ave		1.2423				13.0		15.0			
Fluoranthene	0.8692 0.8506	0.7819 0.9738	0.8366 0.9363	0.8228 0.9304	0.9326	Ave		0.8816				7.3		15.0			
Pyrene	1.4901 1.3016	1.5389 1.4732	1.4488 1.3695	1.4108 1.1960	1.4339	Ave		1.4070				7.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24499-2 Analy Batch No.: 49442

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2009 18:20 Calibration End Date: 09/23/2009 22:32 Calibration ID: 4743

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								
Butyl benzyl phthalate	0.5184 0.6419	0.5502 0.7626	0.5833 0.7052	0.6255 0.6836	0.7113	Ave		0.6425				13.0		15.0			
3,3'-Dichlorobenzidine	0.1412 0.2456	0.1308 0.2866	0.1821 0.2832	0.2026 0.3112	0.2864	Lin1	-0.032	0.2941							0.9930		0.9900
Bis(2-ethylhexyl) phthalate	0.8234 0.8945	0.7166 1.0584	0.7509 0.9961	0.8393 0.9966	0.9767	Ave		0.8947				13.0		15.0			
Benzo[a]anthracene	0.7819 0.8573	0.8166 0.9519	0.8439 0.9046	0.8695 0.9208	0.9511	Ave		0.8775				6.7		15.0			
Chrysene	0.8988 0.7930	0.8742 0.8850	0.8255 0.8411	0.8468 0.8558	0.8914	Ave		0.8568				4.0		15.0			
Di-n-octyl phthalate	0.9809 1.9229	0.9472 2.2523	1.2495 2.1898	1.4495 2.2557	1.9815	Lin1	-0.257	2.2033							0.9950		0.9900
Benzo[b]fluoranthene	1.1069 1.0811	0.9958 1.2067	1.0875 1.1620	1.0519 1.3171	1.1439	Ave		1.1281				8.3		15.0			
Benzo[k]fluoranthene	0.8846 1.0185	0.9077 1.1725	0.9315 1.1080	1.0624 1.1662	1.0897	Ave		1.0379				10.0		15.0			
Benzo[a]pyrene	0.7193 0.8208	0.6478 0.9520	0.6899 0.9253	0.7521 0.9701	0.9173	Ave		0.8216				15.0		15.0			
Indeno[1,2,3-cd]pyrene	0.6288 0.6829	0.4934 0.7964	0.5449 0.8049	0.6331 0.6774	0.8016	Lin1	-0.030	0.7339							0.9920		0.9900
Dibenz(a,h)anthracene	0.4623 0.5386	0.3692 0.6307	0.4118 0.6443	0.4916 0.5562	0.6436	Lin1	-0.033	0.5923							0.9930		0.9900
Benzo[g,h,i]perylene	0.6032 0.5837	0.5387 0.6673	0.4977 0.6622	0.5945 0.5300	0.6793	Ave		0.5952				11.0		15.0			
2-Fluorophenol	0.5433 0.5214	0.4790 0.4478	0.5187 0.4179	0.5438 +++++	0.5922	Ave		0.5080				11.0		15.0			
Phenol-d5	0.6959 0.6295	0.6733 0.6013	0.6842 0.5576	0.6892 0.8849	0.7236	Ave		0.6822				14.0		15.0			
Nitrobenzene-d5	0.2830 0.2304	0.2778 0.2229	0.2666 0.2067	0.2771 +++++	0.2780	Ave		0.2553				12.0		15.0			
2-Fluorobiphenyl	1.3092 1.2257	1.2570 1.3817	1.2508 1.3218	1.2566 1.2218	1.3719	Ave		1.2885				4.7		15.0			
2,4,6-Tribromophenol	0.0399 0.0631	0.0421 0.0767	0.0489 0.0746	0.0556 0.0828	0.0717	Lin1	-0.008	0.0777							0.9920		0.9900
Terphenyl-d14	0.8291 0.7702	0.8689 0.8894	0.8797 0.8183	0.8557 0.7854	0.8488	Ave		0.8384				4.9		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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24499-2 Analy Batch No.: 49442

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2009 18:20 Calibration End Date: 09/23/2009 22:32 Calibration ID: 4743

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49442/3	B10513.D
Level 2	STD025 360-49442/4	B10514.D
Level 3	STD05 360-49442/5	B10515.D
Level 4	STD1 360-49442/6	B10516.D
Level 5	STD25 360-49442/7	B10517.D
Level 6	STD5 360-49442/2	B10512.D
Level 7	STD8 360-49442/8	B10518.D
Level 8	STD10 360-49442/9	B10519.D
Level 9	STD20 360-49442/10	B10520.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	Qua	+++++ 468414	17442 738951	25326 995250	72942 2118685	584581	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodimethylamine	DCB	Ave	7551 374668	17405 583391	37651 746082	70429 1621496	413041	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzoic acid	NPT	Qua	+++++ 197672	+++++ 401797	4234 667061	10799 1747014	269050	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrophenol	ANT	Qua	+++++ 82575	+++++ 160606	+++++ 249433	5371 696224	100769	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 20.0	2.50
Benzaldehyde	DCB	Ave	7149 380789	16624 600673	35212 777443	71167 1608415	405570	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenol	DCB	Ave	13384 697495	33486 1115588	65847 1458462	131537 3140110	747496	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Aniline	DCB	Ave	14775 845244	35035 1322796	73615 1725637	151951 3708452	889810	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethyl)ether	DCB	Ave	11618 553845	26256 890348	50144 1151892	103878 2479631	600195	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chlorophenol	DCB	Ave	11382 615389	26981 941648	54574 1225953	113204 2666881	656798	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,4-Dichlorobenzene	DCB	Ave	15378 730427	33882 1148508	68655 1479011	142584 3135492	771660	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachlorophenol	PHN	Qua	+++++ 129511	+++++ 250912	+++++ 353752	11111 945332	141238	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 20.0	2.50
1,3-Dichlorobenzene	DCB	Ave	15091 752933	36835 1184706	74358 1536740	144017 3258718	820115	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzyl alcohol	DCB	Qua	7488 515415	19398 818881	42421 1074227	88576 2352510	548295	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Dichlorobenzene	DCB	Qua	15636 689126	36994 1078854	69507 1402879	132199 3000695	743088	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.: 360-24499-2 Analy Batch No.: 49442

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2009 18:20 Calibration End Date: 09/23/2009 22:32 Calibration ID: 4743

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-Methylphenol	DCB	Ave	10084 551464	23339 865541	49339 1108628	98726 2457800	573277	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,2'-oxybis[1-chloropropane]	DCB	Ave	22946 1006017	49382 1575859	101317 2013818	192620 4148441	1070554	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3 & 4 Methylphenol	DCB	Ave	9913 581557	23940 911522	51960 1208115	102502 2617171	622197	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodi-n-propylamine	DCB	Qua	7122 425287	17062 678094	35423 906264	72374 2024758	451404	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acetophenone	DCB	Ave	14940 803902	36530 1310390	74360 1728826	147343 3723900	861134	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachloroethane	DCB	Ave	4801 264629	11517 417284	24515 549608	47382 1207450	283650	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene	NPT	Qua	12096 652487	30546 1037505	60881 1340926	120571 2894284	694132	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Isophorone	NPT	Qua	18081 1109943	44898 1766462	95832 2268714	191379 4727137	1154048	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitrophenol	NPT	Ave	5107 334286	13048 543945	27182 708111	56959 1569989	363115	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dimethylphenol	NPT	Qua	11212 624099	25325 970591	55055 1235544	108706 2746892	651344	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethoxy)methane	NPT	Qua	13266 635562	30208 993056	58622 1314156	117514 2820197	661890	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dichlorophenol	NPT	Qua	8310 502105	19722 792360	43738 1029755	89103 2242500	530485	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2,4-Trichlorobenzene	NPT	Qua	11533 562314	27190 900982	53146 1175552	105126 2503013	614536	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Alpha-Terpineol	NPT	Qua	10191 564762	23706 916166	48364 1179694	98734 2482516	616980	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Naphthalene	NPT	Qua	38600 1824981	86390 2850079	175153 3629789	339898 6725202	1938351	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chloroaniline	NPT	Qua	12339 753906	30061 1181433	61715 1551379	130337 3364367	784789	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobutadiene	NPT	Qua	6536 286388	14623 474428	28626 605804	53377 1325094	307910	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Caprolactam	NPT	Ave	3443 249734	8750 416769	19392 547988	42548 1194298	268284	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitrophenol	ANT	Lin2	+++++ 172139	3565 275507	10720 375412	24312 864177	172852	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chloro-3-methylphenol	NPT	Ave	8708 519517	18616 830393	41411 1085689	88348 2385216	538031	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Methylnaphthalene	NPT	Qua	24867 1238030	59682 1977411	118596 2541644	233063 5087873	1328173	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.: 360-24499-2 Analy Batch No.: 49442

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2009 18:20 Calibration End Date: 09/23/2009 22:32 Calibration ID: 4743

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
1-Methylnaphthalene	NPT	Qua	24643 1193828	57652 1920968	116720 2483865	226803 5036854	1274339	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorocyclopentadiene	ANT	Lin	3094 204564	5530 307962	15212 448992	29889 1111512	217987	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2,4,5-Tetrachlorobenzene	NPT	Qua	9784 490501	23259 781316	46313 1002918	90939 2199963	518209	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4,6-Dinitro-2-methylphenol	PHN	Qua	+++++ 141492	1428 244654	5538 352816	13577 918076	150800	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Trichlorophenol	ANT	Ave	5329 330243	12062 535975	28353 708600	57132 1542701	345063	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,5-Trichlorophenol	ANT	Lin2	4877 347521	13532 573034	29396 750621	59993 1647406	365417	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,1'-Biphenyl	ANT	Ave	29255 1447415	70347 2300561	136818 2935145	269899 5658459	1488376	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chloronaphthalene	ANT	Ave	28101 1386012	61231 2229615	134416 2750042	260466 5743175	1455263	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenyl ether	NPT	Qua	16769 762820	36314 1239626	75776 1600384	142902 3386724	783849	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitroaniline	ANT	Lin1	5043 381793	13118 629782	29986 817766	62687 1814043	394183	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzidine	PHN	Qua	+++++ 228726	+++++ 502278	6323 756587	25743 2475708	190946	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Dimethyl phthalate	ANT	Ave	23950 1283344	60091 2056283	124356 2635161	243816 5445255	1296870	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,6-Dinitrotoluene	ANT	Ave	5137 302969	11613 475227	26000 624815	53646 1374843	299243	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthylene	ANT	Ave	31994 1825855	79736 2916977	166529 3721581	337979 6776454	1897008	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3-Nitroaniline	ANT	Lin2	4034 290235	10440 473869	25092 616551	51326 1376837	293685	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthene	ANT	Ave	24336 1203467	55276 1969021	114455 2518961	222971 5051700	1256945	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrotoluene	ANT	Lin1	4070 388246	12586 653574	27663 855381	61122 1921648	392099	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenzofuran	ANT	Ave	33048 1598338	76609 2545756	153274 3270415	293259 6185250	1617547	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	3438 248207	7567 430189	18879 562437	39786 1260895	257210	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diethyl phthalate	ANT	Ave	28927 1334346	61764 2122002	129106 2733386	245460 5521219	1327093	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chlorophenyl phenyl ether	ANT	Ave	11595 588754	27353 943560	54891 1232446	105686 2667172	582043	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.: 360-24499-2 Analy Batch No.: 49442

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2009 18:20 Calibration End Date: 09/23/2009 22:32 Calibration ID: 4743

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-Nitroaniline	ANT	Lin1	4026 336884	11874 528091	29136 759521	52935 1695699	353094	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluorene	ANT	Ave	27766 1336886	60130 2213015	125445 2850489	238621 5537865	1396181	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diphenylamine	PHN	Ave	20617 1123207	49072 1820056	105374 2383607	201134 4852443	1135769	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodiphenylamine	PHN	Ave	20617 1123207	49072 1820056	105374 2383607	201134 4852443	1135769	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Diphenylhydrazine	PHN	Ave	34157 2158628	86305 3457147	189553 4488256	383161 8730681	2166505	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Azobenzene	PHN	Ave	34157 2158628	86305 3457147	189553 4488256	383161 8730681	2166505	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzophenone	PHN	Ave	20572 1264047	51502 2097252	114807 2741079	223853 5635595	1296552	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Bromophenyl phenyl ether	PHN	Ave	5476 302822	13659 501448	29592 656463	55134 1446913	313407	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobenzene	PHN	Ave	6125 286410	12620 463361	28277 603211	54357 1363634	290601	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Atrazine	PHN	Ave	5556 320419	12810 531316	29084 689073	56931 1496961	328313	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachloronitrobenzene	PHN	Lin1	2315 140330	5238 245614	10814 320075	23149 711718	144520	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenanthrene	PHN	Ave	37024 1741115	83517 2798480	165809 3637305	318606 6787770	1782313	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Anthracene	PHN	Ave	29380 1698268	69331 2781733	156591 3615608	301569 6754098	1776167	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Carbazole	PHN	Ave	28918 1340300	62154 2181097	141567 2867333	264019 5867517	1459915	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-butyl phthalate	PHN	Ave	54456 2106796	98922 3390577	204416 4292064	388814 7294667	2133615	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluoranthene	PHN	Ave	29786 1550970	62422 2508038	143148 3270909	264271 6886157	1577843	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pyrene	CRY	Ave	31512 1608529	66470 2583121	150753 3463857	275920 7239678	1635597	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Butyl benzyl phthalate	CRY	Ave	10963 793289	23767 1337145	60701 1783832	122333 4138100	811322	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3,3'-Dichlorobenzidine	CRY	Lin1	2986 303443	5648 502536	18945 716315	39617 1883788	326698	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-ethylhexyl) phthalate	CRY	Ave	17412 1105452	30954 1855805	78134 2519398	164147 6032851	1114147	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[a]anthracene	CRY	Ave	16534 1059423	35271 1669154	87818 2288092	170041 5573957	1084879	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.: 360-24499-2 Analy Batch No.: 49442

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2009 18:20 Calibration End Date: 09/23/2009 22:32 Calibration ID: 4743

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
Chrysene	CRY	Ave	19008 979929	37759 1551871	85899 2127348	165617 5180096	1016794	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-octyl phthalate	PRY	Lin1	14278 1646364	27510 2751361	85940 3823045	196200 8570188	1643063	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[b]fluoranthene	PRY	Ave	16112 925601	28922 1474137	74797 2028591	142377 5004142	948565	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[k]fluoranthene	PRY	Ave	12876 872046	26365 1432270	64068 1934333	143797 4430872	903613	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[a]pyrene	PRY	Ave	10470 702794	18814 1162897	47450 1615348	101794 3685745	760651	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	Lin1	9152 584676	14330 972823	37475 1405253	85697 2573737	664691	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenz(a,h)anthracene	PRY	Lin1	6729 461128	10723 770491	28320 1124851	66542 2113309	533649	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	8780 499723	15645 815132	34229 1156042	80474 2013647	563322	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorophenol	DCB	Ave	9804 570384	21411 805188	47134 1053727	96478 +++++	594945	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Phenol-d5	DCB	Ave	12558 688669	30097 1081183	62173 1405792	122277 3037505	726986	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene-d5	NPT	Ave	12225 651025	29818 1042498	57899 1361841	119038 +++++	706599	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2-Fluorobiphenyl	ANT	Ave	27631 1363786	64761 2162438	130439 2792045	248882 5439730	1413243	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Tribromophenol	PHN	Lin1	1367 114962	3364 197491	8367 260742	17873 612722	121288	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Terphenyl-d14	CRY	Ave	17534 951757	37531 1559588	91540 2069872	167343 4754083	968181	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
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10512.D		
Lims ID:	std5	Client ID:	
Inject. Date:	23-Sep-2009 18:20:30	Dil. Factor:	1.0000
Sample Type:	ICIS, ICal ISTD Check	Calib Level:	6
Sample ID:	std5		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	49442	Lims Sample ID:	2
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	30-Sep-2009 13:28:04	Calib Date:	23-Sep-2009 22:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WESWEIGEL		
Reviewed By:	sullivanp	Date:	25-Sep-2009 08:31:42
Reviewed By:	sullivanp	Date:	25-Sep-2009 10:08:27
Reviewed By:	weigelb	Date:	29-Oct-2009 15:53:24

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.460	7.460	0.000	437589	2.00	
* 2 Naphthalene-d8	136	8.590	8.590	0.000	1130464	2.00	
* 3 Acenaphthene-d10	164	10.090	10.090	0.000	445050	2.00	
* 4 Phenanthrene-d10	188	11.346	11.346	0.000	729330	2.00	
* 5 Chrysene-d12	240	14.481	14.481	0.000	494306	2.00	
* 6 Perylene-d12	264	16.919	16.919	0.000	342474	2.00	
$ 7 2-Fluorophenol	112	6.166	6.166	0.000	570384	5.13	
$ 8 Phenol-d5	99	7.099	7.099	0.000	688669	4.61	
$ 9 Nitrobenzene-d5	82	7.960	7.960	0.000	651025	4.51	
$ 10 2-Fluorobiphenyl	172	9.494	9.494	0.000	1363786	4.76	
$ 11 2,4,6-Tribromophenol	330	10.754	10.754	0.000	114962	4.16	
$ 12 Terphenyl-d14	244	12.788	12.788	0.000	951757	4.59	
15 N-Nitrosodimethylamine	42	4.233	4.233	0.000	374668	4.45	
16 Pyridine	79	4.248	4.248	0.000	468414	5.69	
17 Benzaldehyde	105	7.061	7.061	0.000	380789	4.58	
18 Phenol	94	7.109	7.109	0.000	697495	4.45	
19 Aniline	93	7.157	7.157	0.000	845244	4.68	
20 Bis(2-chloroethyl)ether	93	7.205	7.205	0.000	553845	4.43	
21 2-Chlorophenol	128	7.268	7.268	0.000	615389	4.62	
22 1,4-Dichlorobenzene	146	7.412	7.412	0.000	730427	4.46	
23 1,3-Dichlorobenzene	146	7.479	7.479	0.000	752933	4.42	
24 Benzyl alcohol	79	7.575	7.575	0.000	515415	5.80	
25 1,2-Dichlorobenzene	146	7.619	7.619	0.000	689126	5.80	
26 2-Methylphenol	108	7.662	7.662	0.000	551464	4.64	
27 2,2'-oxybis[1-chloropropane]	45	7.691	7.691	0.000	1006017	4.38	
28 3 & 4 Methylphenol	108	7.797	7.797	0.000	581557	4.66	
29 N-Nitrosodi-n-propylamine	70	7.806	7.806	0.000	425287	5.80	
30 Acetophenone	105	7.816	7.816	0.000	803902	4.48	
31 Hexachloroethane	117	7.926	7.926	0.000	264629	4.56	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	7.975	7.975	0.000	652487	4.87	
33 Isophorone	82	8.177	8.177	0.000	1109943	4.87	
34 2-Nitrophenol	139	8.253	8.253	0.000	334286	5.00	
35 2,4-Dimethylphenol	107	8.258	8.258	0.000	624099	5.02	
36 Benzoic acid	105	8.311	8.311	0.000	197672	4.04	
37 Bis(2-chloroethoxy)methane	93	8.345	8.345	0.000	635562	4.90	
38 2,4-Dichlorophenol	162	8.455	8.455	0.000	502105	4.91	
39 1,2,4-Trichlorobenzene	180	8.537	8.537	0.000	562314	4.80	
40 Alpha-Terpineol	59	8.590	8.590	0.000	564762	4.78	
41 Naphthalene	128	8.609	8.609	0.000	1824981	4.84	
42 4-Chloroaniline	127	8.638	8.638	0.000	753906	4.93	
43 Hexachlorobutadiene	225	8.701	8.701	0.000	286388	4.73	
44 Caprolactam	55	8.927	8.927	0.000	249734	5.11	
45 4-Chloro-3-methylphenol	107	9.028	9.028	0.000	519517	5.07	
46 2-Methylnaphthalene	142	9.196	9.196	0.000	1238030	4.79	
47 1-Methylnaphthalene	142	9.283	9.283	0.000	1193828	4.76	
48 Hexachlorocyclopentadiene	237	9.326	9.326	0.000	204564	4.29	
49 1,2,4,5-Tetrachlorobenzene	216	9.340	9.340	0.000	490501	4.89	
50 2,4,6-Trichlorophenol	196	9.427	9.427	0.000	330243	4.94	
51 2,4,5-Trichlorophenol	196	9.460	9.460	0.000	347521	4.62	
52 1,1'-Biphenyl	154	9.585	9.585	0.000	1447415	4.76	
53 2-Chloronaphthalene	162	9.614	9.614	0.000	1386012	4.75	
54 Phenyl ether	170	9.667	9.667	0.000	762820	4.78	
68 4-Nitroaniline	138	9.686	9.686	0.000	381793	4.41	
56 Dimethyl phthalate	163	9.811	9.811	0.000	1283344	4.75	
57 2,6-Dinitrotoluene	165	9.879	9.879	0.000	302969	4.98	
58 Acenaphthylene	152	9.975	9.975	0.000	1825855	4.92	
59 3-Nitroaniline	138	10.028	10.028	0.000	290235	4.66	
60 2,4-Dinitrophenol	184	10.114	10.114	0.000	82575	4.34	
61 Acenaphthene	153	10.114	10.114	0.000	1203467	4.71	
62 4-Nitrophenol	109	10.134	10.134	0.000	172139	4.60	
63 2,4-Dinitrotoluene	165	10.220	10.220	0.000	388246	4.31	
64 Dibenzofuran	168	10.259	10.259	0.000	1598338	4.76	
65 2,3,4,6-Tetrachlorophenol	232	10.350	10.350	0.000	248207	4.21	
66 Diethyl phthalate	149	10.398	10.398	0.000	1334346	4.72	
67 4-Chlorophenyl phenyl ether	204	10.523	10.523	0.000	588754	4.74	
55 2-Nitroaniline	65	10.542	10.544	-0.002	336884	4.29	
69 Fluorene	166	10.547	10.547	0.000	1336886	4.72	
70 4,6-Dinitro-2-methylphenol	198	10.566	10.566	0.000	141492	4.60	
71 Diphenylamine	169	10.619	10.619	0.000	1123207	4.79	
72 N-Nitrosodiphenylamine	169	10.619	10.619	0.000	1123207	4.79	
73 1,2-Diphenylhydrazine	77	10.663	10.663	0.000	2158628	5.00	
74 Azobenzene	77	10.663	10.663	0.000	2158628	5.00	
13 Benzophenone	105	10.672	10.672	0.000	1264047	4.85	
75 4-Bromophenyl phenyl ether	248	10.942	10.942	0.000	302822	4.66	
76 Hexachlorobenzene	284	11.018	11.018	0.000	286410	4.60	
77 Atrazine	200	11.038	11.038	0.000	320419	4.81	
78 Pentachlorophenol	266	11.172	11.177	-0.005	129511	4.39	
79 Pentachloronitrobenzene	237	11.187	11.187	0.000	140330	4.23	
80 Phenanthrene	178	11.365	11.365	0.000	1741115	4.70	
81 Anthracene	178	11.408	11.408	0.000	1698268	4.88	
83 Carbazole	167	11.528	11.528	0.000	1340300	4.51	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	11.759	11.759	0.000	2106796	4.65	
87 Fluoranthene	202	12.418	12.418	0.000	1550970	4.82	
86 Benzidine	184	12.514	12.519	-0.005	228726	4.44	
85 Pyrene	202	12.668	12.668	0.000	1608529	4.63	
89 Butyl benzyl phthalate	149	13.389	13.389	0.000	793289	5.00	
91 3,3'-Dichlorobenzidine	252	14.370	14.372	-0.002	303443	4.28	
92 Bis(2-ethylhexyl) phthalate	149	14.389	14.389	0.000	1105452	5.00	
93 Benzo[a]anthracene	228	14.457	14.457	0.000	1059423	4.88	
94 Chrysene	228	14.534	14.534	0.000	979929	4.63	
95 Di-n-octyl phthalate	149	15.702	15.702	0.000	1646364	4.48	
97 Benzo[b]fluoranthene	252	16.323	16.323	0.000	925601	4.79	
98 Benzo[k]fluoranthene	252	16.361	16.361	0.000	872046	4.91	
99 Benzo[a]pyrene	252	16.832	16.832	0.000	702794	5.00	
100 Indeno[1,2,3-cd]pyrene	276	18.910	18.910	0.000	584676	4.69	
101 Dibenz(a,h)anthracene	278	18.939	18.939	0.000	461128	4.60	
102 Benzo[g,h,i]perylene	276	19.506	19.506	0.000	499723	4.90	

Report Date: 29-Oct-2009 15:53:25 Chrom Revision: 1.1 26-Oct-2009 10:54:26

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10512.D

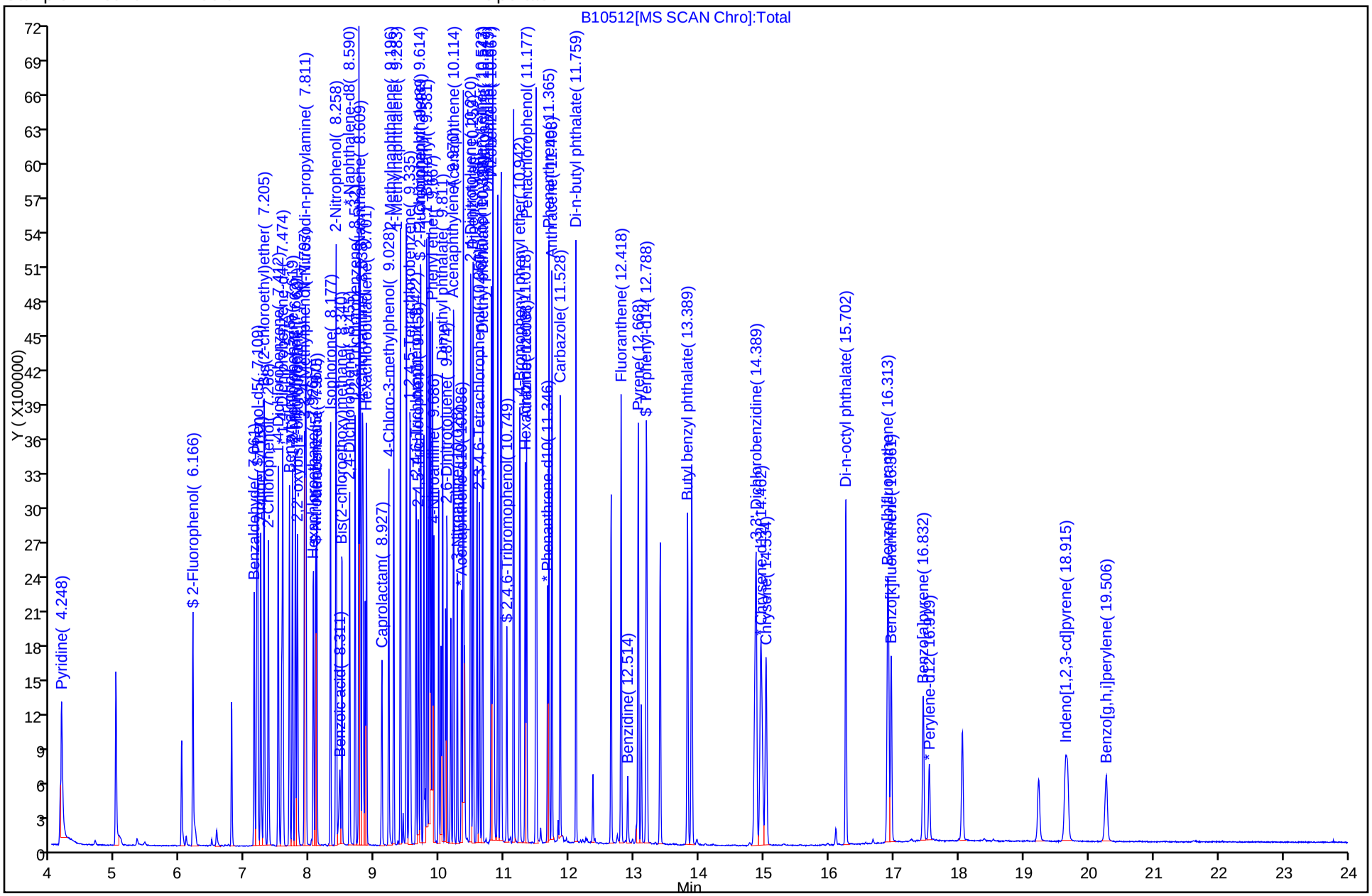
Inj Date: 23-Sep-2009 18:20:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49442 Lims Sample ID: 2

Client ID: Instrument: Inst. B

Sample Info: std5

Sample Amount: 1.00 ul Operator: MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10513.D		
Lims ID:	std01	Client ID:	
Inject. Date:	23-Sep-2009 18:51:30	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:	49442	Lims Sample ID:	3
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	25-Sep-2009 10:08:35	Calib Date:	23-Sep-2009 22:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	25-Sep-2009 08:44:47
Reviewed By:	sullivanp	Date:	25-Sep-2009 10:08:35

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	7.463	7.466	-0.003	360929	2.00	
* 2 Naphthalene-d8	136	8.588	8.592	-0.004	864028	2.00	
* 3 Acenaphthene-d10	164	10.089	10.092	-0.003	422114	2.00	
* 4 Phenanthrene-d10	188	11.344	11.347	-0.003	685401	2.00	
* 5 Chrysene-d12	240	14.474	14.482	-0.008	422942	2.00	
* 6 Perylene-d12	264	16.917	16.920	-0.003	291108	2.00	
$ 7 2-Fluorophenol	112	6.170	6.168	0.002	9804	0.1069	
$ 8 Phenol-d5	99	7.098	7.101	-0.003	12558	0.1020	
$ 9 Nitrobenzene-d5	82	7.958	7.962	-0.004	12225	0.1108	
$ 10 2-Fluorobiphenyl	172	9.492	9.496	-0.004	27631	0.1016	
$ 11 2,4,6-Tribromophenol	330	10.752	10.756	-0.004	1367	0.1547	
$ 12 Terphenyl-d14	244	12.786	12.790	-0.004	17534	0.0989	
15 N-Nitrosodimethylamine	42	4.265	4.240	0.025	7551	0.1087	
17 Benzaldehyde	105	7.064	7.062	0.002	7149	0.1043	
18 Phenol	94	7.112	7.115	-0.003	13384	0.1035	
19 Aniline	93	7.155	7.159	-0.004	14775	0.0992	
20 Bis(2-chloroethyl)ether	93	7.208	7.207	0.001	11618	0.1126	
21 2-Chlorophenol	128	7.271	7.269	0.002	11382	0.1037	
22 1,4-Dichlorobenzene	146	7.410	7.413	-0.003	15378	0.1137	
23 1,3-Dichlorobenzene	146	7.478	7.481	-0.003	15091	0.1073	
24 Benzyl alcohol	79	7.574	7.577	-0.003	7488	0.0894	
25 1,2-Dichlorobenzene	146	7.617	7.620	-0.003	15636	0.1210	
26 2-Methylphenol	108	7.660	7.663	-0.003	10084	0.1028	
27 2,2'-oxybis[1-chloropropane]	45	7.694	7.692	0.002	22946	0.1211	
28 3 & 4 Methylphenol	108	7.795	7.798	-0.003	9913	0.0963	
29 N-Nitrosodi-n-propylamine	70	7.809	7.813	-0.004	7122	0.1003	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	7.819	7.817	0.002	14940	0.1009	
31 Hexachloroethane	117	7.925	7.928	-0.003	4801	0.1003	
32 Nitrobenzene	77	7.973	7.976	-0.003	12096	0.1090	
33 Isophorone	82	8.175	8.178	-0.003	18081	0.1017	
34 2-Nitrophenol	139	8.252	8.255	-0.003	5107	0.1000	
35 2,4-Dimethylphenol	107	8.261	8.260	0.001	11212	0.1108	
37 Bis(2-chloroethoxy)methane	93	8.343	8.346	-0.003	13266	0.1211	
38 2,4-Dichlorophenol	162	8.454	8.457	-0.003	8310	0.1028	
39 1,2,4-Trichlorobenzene	180	8.535	8.534	0.001	11533	0.1172	
40 Alpha-Terpineol	59	8.588	8.592	-0.004	10191	0.1093	
41 Naphthalene	128	8.608	8.611	-0.003	38600	-0.204642	7
42 4-Chloroaniline	127	8.636	8.640	-0.004	12339	0.1031	
43 Hexachlorobutadiene	225	8.699	8.702	-0.003	6536	0.0575	
44 Caprolactam	55	8.901	8.928	-0.027	3443	0.0891	
45 4-Chloro-3-methylphenol	107	9.021	9.029	-0.008	8708	0.1111	
46 2-Methylnaphthalene	142	9.194	9.197	-0.003	24867	0.1154	
47 1-Methylnaphthalene	142	9.286	9.284	0.002	24643	0.1175	
48 Hexachlorocyclopentadiene	237	9.329	9.327	0.002	3094	0.5985	
49 1,2,4,5-Tetrachlorobenzene	216	9.339	9.342	-0.003	9784	0.1158	
50 2,4,6-Trichlorophenol	196	9.425	9.428	-0.003	5329	0.0841	
51 2,4,5-Trichlorophenol	196	9.459	9.462	-0.003	4877	0.1056	
52 1,1'-Biphenyl	154	9.584	9.587	-0.003	29255	0.1014	
53 2-Chloronaphthalene	162	9.613	9.616	-0.003	28101	0.1016	
54 Phenyl ether	170	9.666	9.669	-0.003	16769	0.0601	
68 4-Nitroaniline	138	9.685	9.688	-0.003	5043	0.1368	
56 Dimethyl phthalate	163	9.810	9.813	-0.003	23950	0.0935	
57 2,6-Dinitrotoluene	165	9.872	9.876	-0.004	5137	0.0890	
58 Acenaphthylene	152	9.973	9.972	0.001	31994	0.0910	
59 3-Nitroaniline	138	10.026	10.029	-0.003	4034	0.1067	
61 Acenaphthene	153	10.113	10.116	-0.003	24336	0.1004	
63 2,4-Dinitrotoluene	165	10.219	10.222	-0.003	4070	0.1455	
64 Dibenzofuran	168	10.257	10.260	-0.003	33048	0.1038	
65 2,3,4,6-Tetrachlorophenol	232	10.348	10.352	-0.004	3438	0.1532	
66 Diethyl phthalate	149	10.392	10.400	-0.008	28927	0.1080	
67 4-Chlorophenyl phenyl ether	204	10.521	10.525	-0.004	11595	0.0985	
55 2-Nitroaniline	65	10.536	10.544	-0.008	4026	0.1382	
69 Fluorene	166	10.546	10.549	-0.003	27766	0.1034	
71 Diphenylamine	169	10.618	10.621	-0.003	20617	0.0935	
72 N-Nitrosodiphenylamine	169	10.618	10.621	-0.003	20617	0.0935	
73 1,2-Diphenylhydrazine	77	10.656	10.664	-0.008	34157	0.0842	
74 Azobenzene	77	10.656	10.664	-0.008	34157	0.0842	
13 Benzophenone	105	10.671	10.674	-0.003	20572	0.0840	
75 4-Bromophenyl phenyl ether	248	10.940	10.943	-0.003	5476	0.0896	
76 Hexachlorobenzene	284	11.017	11.020	-0.003	6125	0.1047	
77 Atrazine	200	11.036	11.039	-0.003	5556	0.0887	
79 Pentachloronitrobenzene	237	11.180	11.188	-0.008	2315	0.1454	
80 Phenanthrene	178	11.363	11.366	-0.003	37024	0.1064	
81 Anthracene	178	11.406	11.410	-0.004	29380	0.0898	
83 Carbazole	167	11.527	11.530	-0.003	28918	0.1036	
84 Di-n-butyl phthalate	149	11.762	11.761	0.001	54456	0.1279	
87 Fluoranthene	202	12.416	12.419	-0.003	29786	0.0986	
85 Pyrene	202	12.666	12.669	-0.003	31512	0.1059	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
89 Butyl benzyl phthalate	149	13.388	13.391	-0.003	10963	0.0807	
91 3,3'-Dichlorobenzidine	252	14.364	14.372	-0.008	2986	0.1578	M
92 Bis(2-ethylhexyl) phthalate	149	14.393	14.391	0.002	17412	0.0920	
93 Benzo[a]anthracene	228	14.450	14.463	-0.013	16534	0.0891	
94 Chrysene	228	14.527	14.540	-0.013	19008	0.1049	
95 Di-n-octyl phthalate	149	15.701	15.704	-0.003	14278	0.1613	
97 Benzo[b]fluoranthene	252	16.321	16.324	-0.003	16112	0.0981	
98 Benzo[k]fluoranthene	252	16.355	16.367	-0.012	12876	0.0852	
99 Benzo[a]pyrene	252	16.831	16.834	-0.003	10470	0.0875	
100 Indeno[1,2,3-cd]pyrene	276	18.918	18.911	0.007	9152	0.1270	
101 Dibenz(a,h)anthracene	278	18.937	18.940	-0.003	6729	0.1331	
102 Benzo[g,h,i]perylene	276	19.495	19.508	-0.013	8780	0.1014	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

Report Date: 25-Sep-2009 10:08:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10513.D

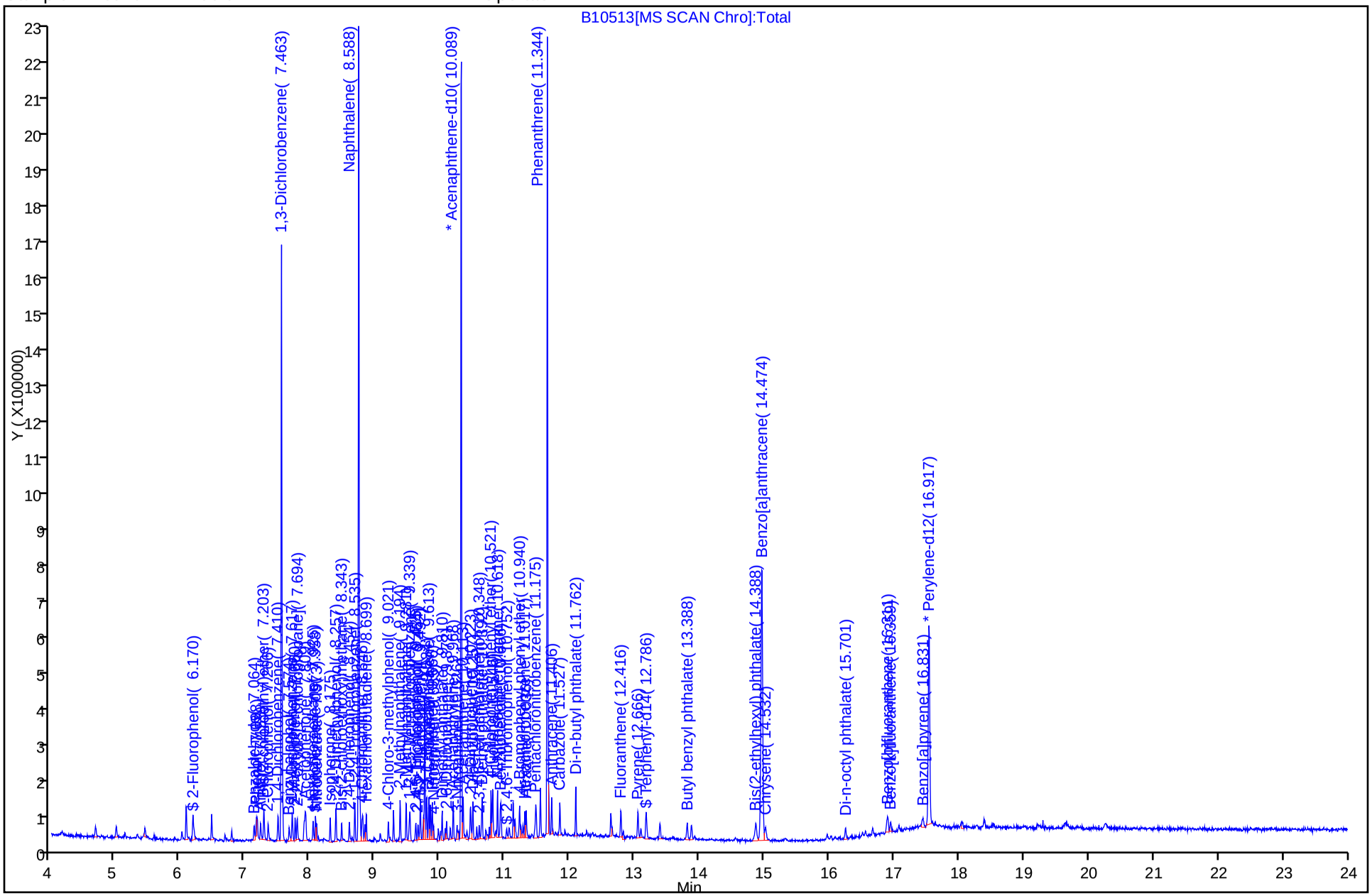
Inj Date: 23-Sep-2009 18:51:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49442 Lims Sample ID: 3

Client ID: Instrument: Inst. B

Sample Info: std01

Sample Amount: 1.00 ul Operator: MZ

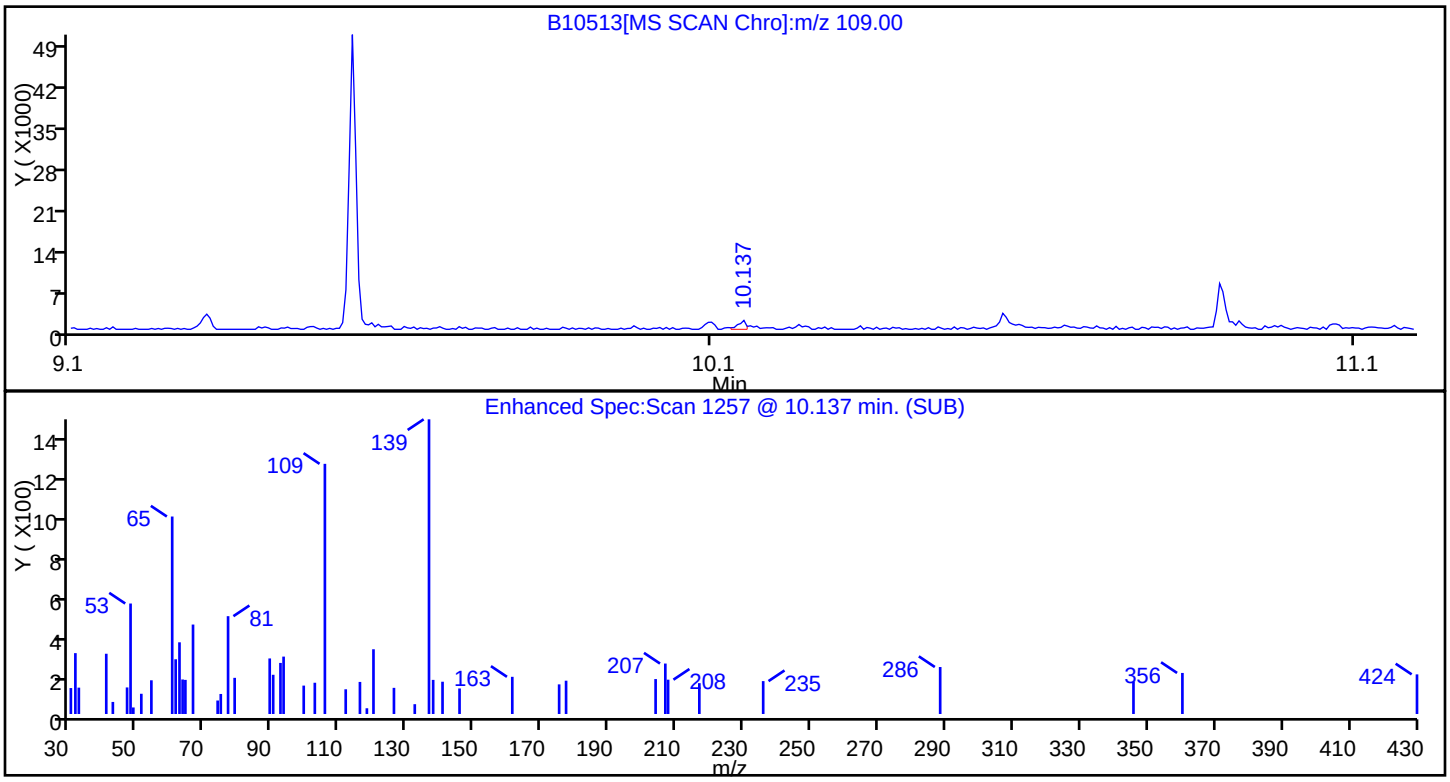


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10513.D		
Inj Date:	23-Sep-2009 18:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

62 4-Nitrophenol

Processing Results



RT	Mass	Response	Amount
10.14	109.00	1254	0.100000
10.14	139.00	1730	
10.13	64.00	110	

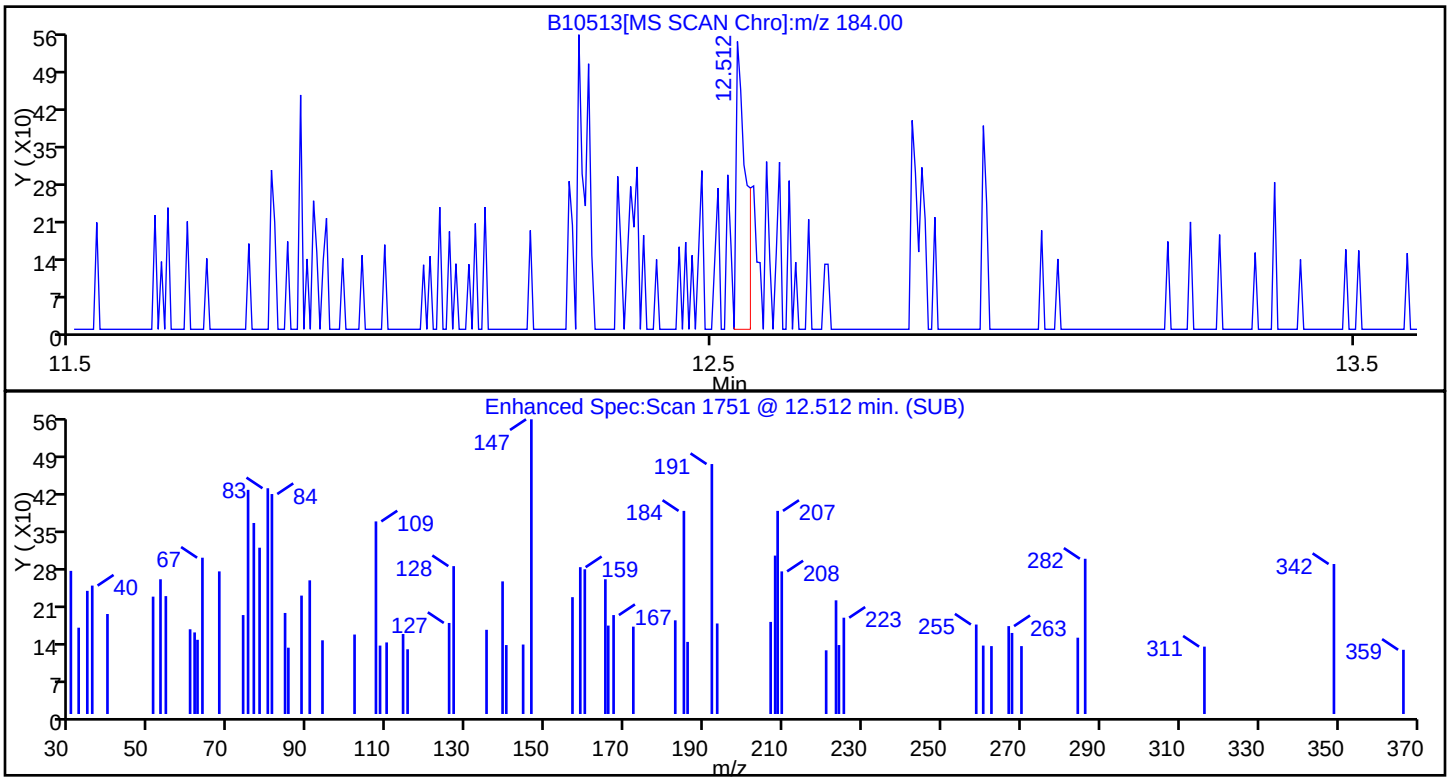
Reviewer: sullivanp, 25-Sep-2009 08:44:47
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10513.D		
Inj Date:	23-Sep-2009 18:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

86 Benzidine

Processing Results



RT	Mass	Response	Amount
12.51	184.00	533	0.100000
12.51	92.00	148	

Reviewer: sullivanp, 25-Sep-2009 08:44:47
Audit Action: Marked Compound Undetected
Audit Reason:

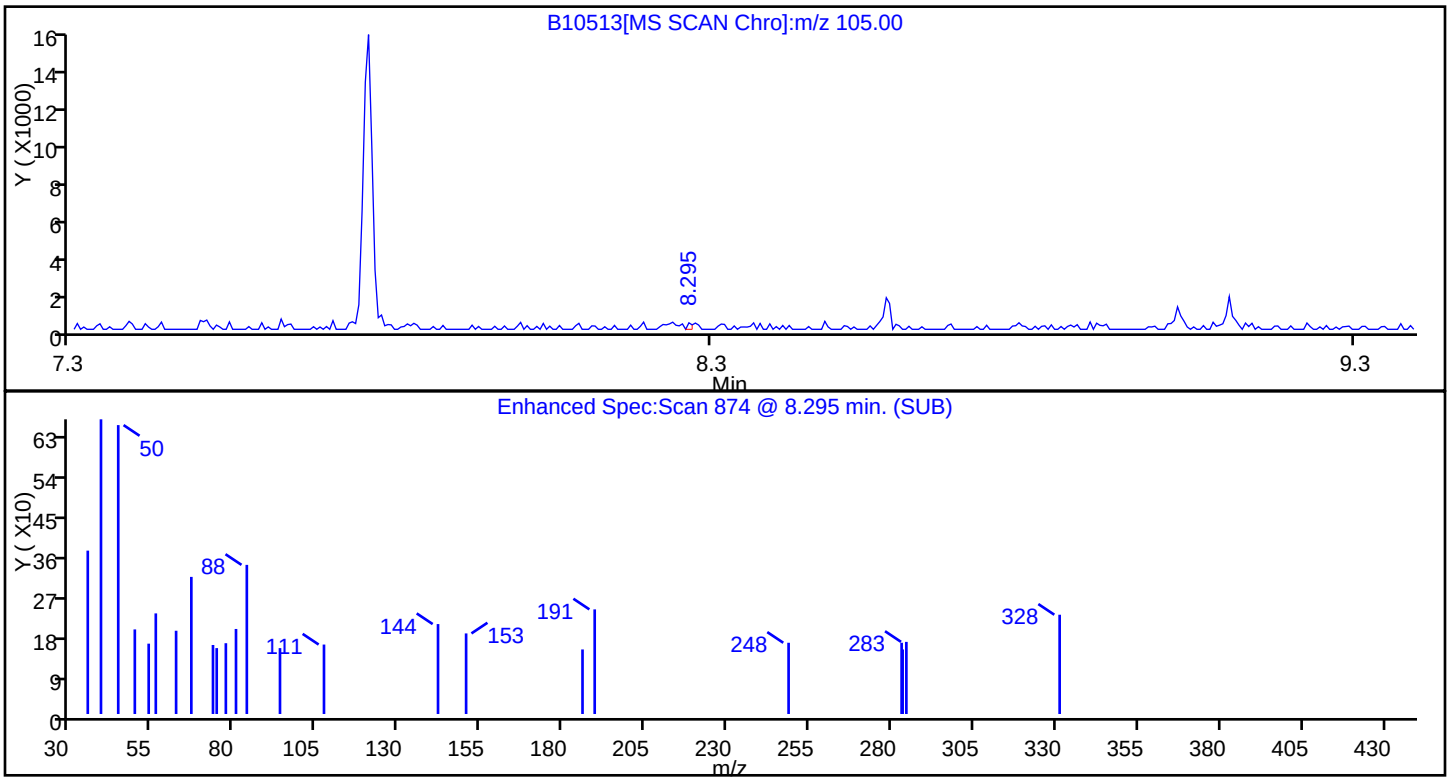
Chrom Revision: 1.1 20-Sep-2009 21:03:36

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10513.D		
Inj Date:	23-Sep-2009 18:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
8.30	105.00	169	0.100000
8.29	122.00	507	
8.30	77.00	302	

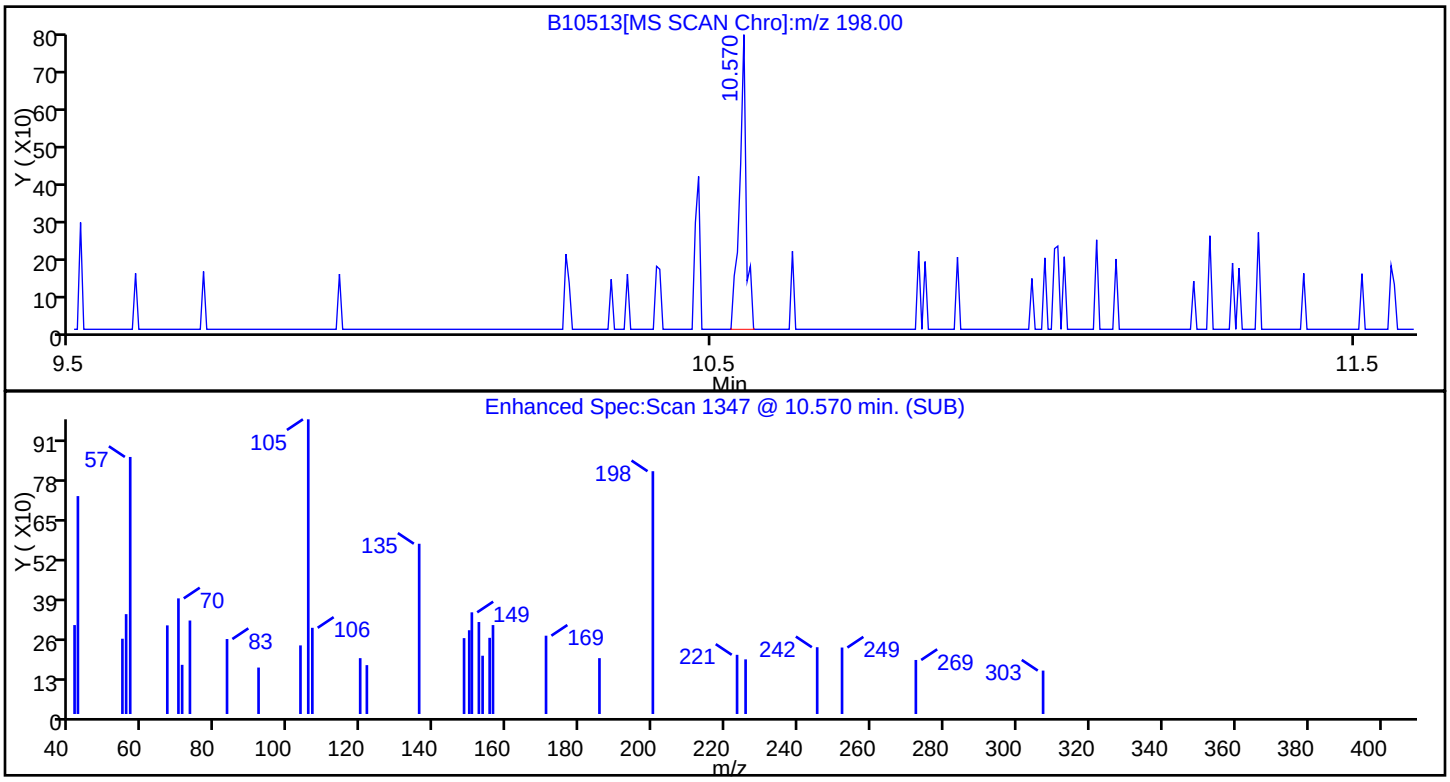
Reviewer: sullivanp, 25-Sep-2009 08:44:47
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10513.D		
Inj Date:	23-Sep-2009 18:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

70 4,6-Dinitro-2-methylphenol

Processing Results



RT	Mass	Response	Amount
10.57	198.00	550	0.100000
10.56	121.00	200	
10.57	105.00	487	

Reviewer: sullivanp, 25-Sep-2009 08:44:47
Audit Action: Marked Compound Undetected
Audit Reason:

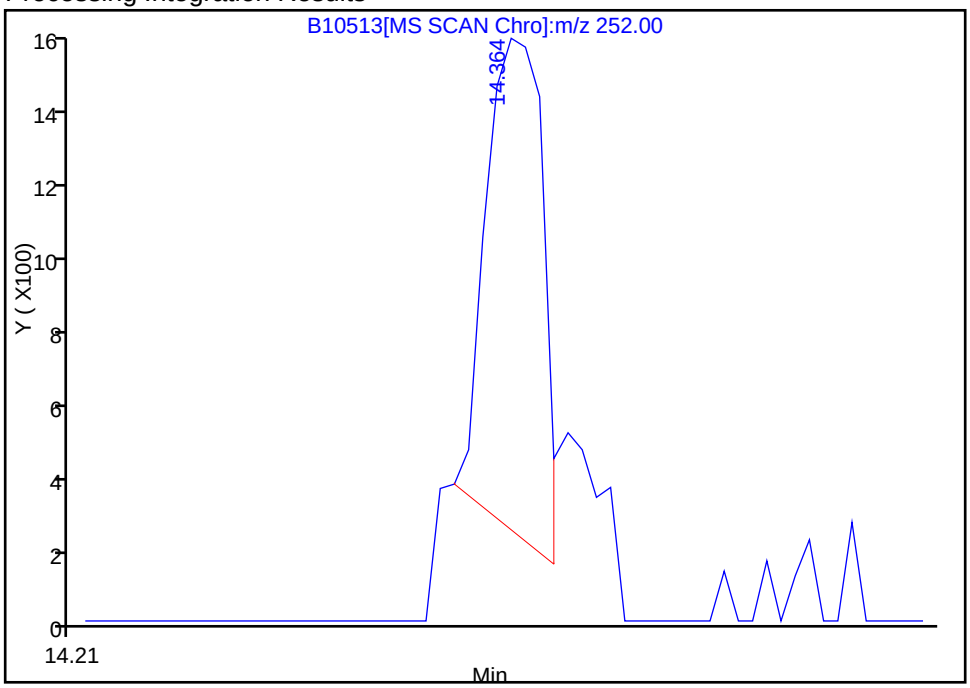
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10513.D		
Inj Date:	23-Sep-2009 18:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	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: 14.37

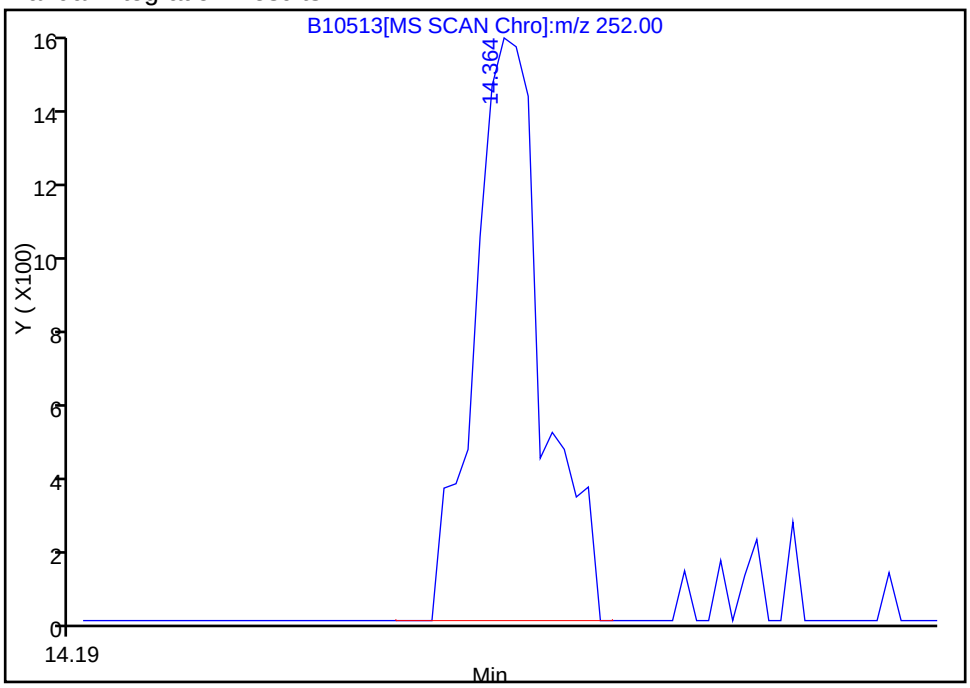
Processing Integration Results

RT: 14.36
Response: 1795
Amount: 0.100000



Manual Integration Results

RT: 14.36
Response: 2986
Amount: 0.157784



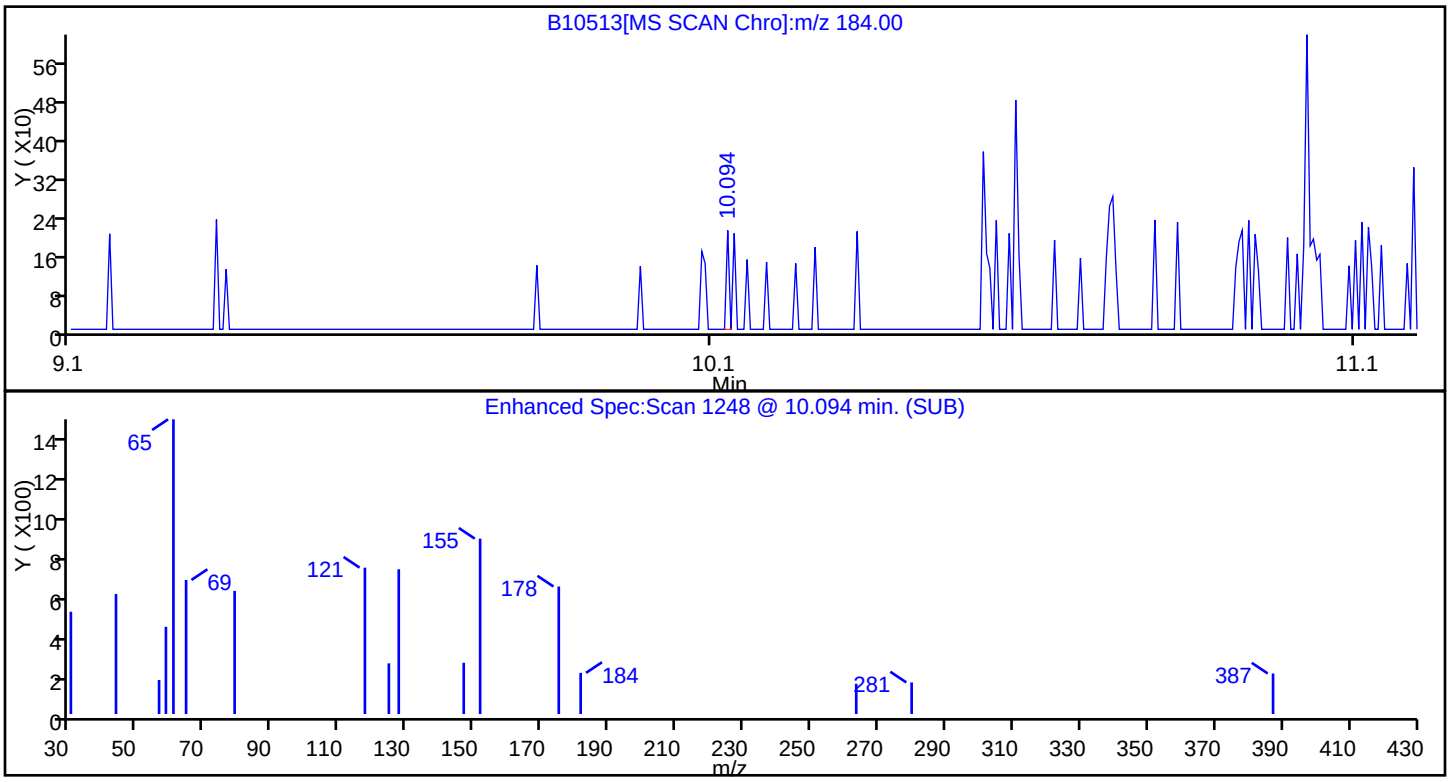
Reviewer: sullivanp, 25-Sep-2009 08:44:47
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10513.D		
Inj Date:	23-Sep-2009 18:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
10.09	184.00	60	0.007378
10.09	63.00	451	
10.09	154.00	1605	

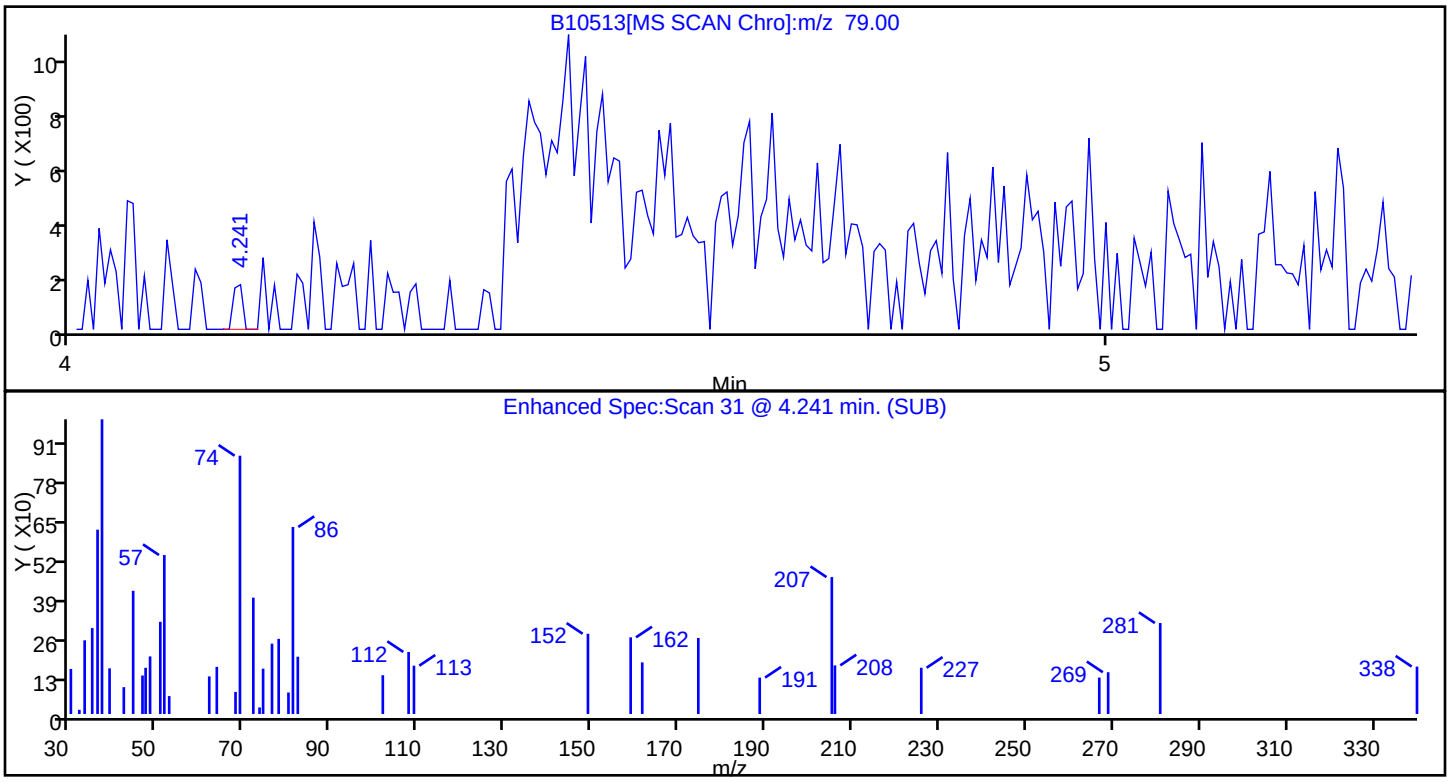
Reviewer: sullivanp, 25-Sep-2009 08:44:47
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10513.D		
Inj Date:	23-Sep-2009 18:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

16 Pyridine

Processing Results



RT	Mass	Response	Amount
4.24	79.00	85	0.100000
4.26	52.00	428	
4.23	51.00	1693	

Reviewer: sullivanp, 25-Sep-2009 08:44:47
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10514.D		
Lims ID:	std025	Client ID:	
Inject. Date:	23-Sep-2009 19:22:30	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:	49442	Lims Sample ID:	4
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	30-Sep-2009 13:28:04	Calib Date:	23-Sep-2009 22:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WESWEIGEL		
Reviewed By:	sullivanp	Date:	25-Sep-2009 08:47:14
Reviewed By:	sullivanp	Date:	25-Sep-2009 10:08:45
Reviewed By:	weigelb	Date:	29-Oct-2009 15:54:54

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.462	7.465	-0.003	357613	2.00	
* 2 Naphthalene-d8	136	8.592	8.595	-0.003	858706	2.00	
* 3 Acenaphthene-d10	164	10.087	10.090	-0.003	412175	2.00	
* 4 Phenanthrene-d10	188	11.347	11.346	0.001	638676	2.00	
* 5 Chrysene-d12	240	14.478	14.481	-0.003	345545	2.00	
* 6 Perylene-d12	264	16.921	16.919	0.002	232355	2.00	
$ 7 2-Fluorophenol	112	6.168	6.166	0.002	21411	0.2357	
$ 8 Phenol-d5	99	7.096	7.099	-0.003	30097	0.2467	
$ 9 Nitrobenzene-d5	82	7.957	7.960	-0.003	29818	0.2720	
$ 10 2-Fluorobiphenyl	172	9.491	9.494	-0.003	64761	0.2439	
$ 11 2,4,6-Tribromophenol	330	10.751	10.754	-0.003	3364	0.2390	
$ 12 Terphenyl-d14	244	12.785	12.788	-0.003	37531	0.2591	
15 N-Nitrosodimethylamine	42	4.250	4.233	0.017	17405	0.2528	
16 Pyridine	79	4.341	4.248	0.093	17442	-0.6648	7M
17 Benzaldehyde	105	7.063	7.061	0.002	16624	0.2447	
18 Phenol	94	7.111	7.114	-0.003	33486	0.2612	
19 Aniline	93	7.159	7.157	0.002	35035	0.2374	
20 Bis(2-chloroethyl)ether	93	7.207	7.210	-0.003	26256	0.2568	
21 2-Chlorophenol	128	7.269	7.268	0.001	26981	0.2480	
22 1,4-Dichlorobenzene	146	7.414	7.412	0.002	33882	0.2529	
23 1,3-Dichlorobenzene	146	7.476	7.479	-0.003	36835	0.2644	
24 Benzyl alcohol	79	7.577	7.575	0.002	19398	-0.4125	7
25 1,2-Dichlorobenzene	146	7.620	7.624	-0.004	36994	-0.3768	7
26 2-Methylphenol	108	7.664	7.667	-0.003	23339	0.2401	
27 2,2'-oxybis[1-chloropropane]	45	7.693	7.696	-0.003	49382	0.2631	
28 3 & 4 Methylphenol	108	7.794	7.797	-0.003	23940	0.2347	
29 N-Nitrosodi-n-propylamine	70	7.808	7.811	-0.003	17062	-0.4572	7
30 Acetophenone	105	7.818	7.821	-0.003	36530	0.2490	
31 Hexachloroethane	117	7.923	7.926	-0.003	11517	0.2429	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	7.976	7.979	-0.003	30546	0.2068	
33 Isophorone	82	8.173	8.177	-0.004	44898	0.2209	
34 2-Nitrophenol	139	8.255	8.253	0.002	13048	0.2572	
35 2,4-Dimethylphenol	107	8.260	8.263	-0.003	25325	0.1778	
37 Bis(2-chloroethoxy)methane	93	8.342	8.345	-0.003	30208	0.2135	
38 2,4-Dichlorophenol	162	8.457	8.455	0.002	19722	0.1904	
39 1,2,4-Trichlorobenzene	180	8.534	8.537	-0.003	27190	0.2090	
40 Alpha-Terpineol	59	8.587	8.595	-0.008	23706	0.2173	
41 Naphthalene	128	8.611	8.614	-0.003	86390	0.2177	
42 4-Chloroaniline	127	8.640	8.643	-0.003	30061	0.2111	
43 Hexachlorobutadiene	225	8.702	8.705	-0.003	14623	0.2246	
44 Caprolactam	55	8.904	8.927	-0.023	8750	0.2359	
45 4-Chloro-3-methylphenol	107	9.025	9.028	-0.003	18616	0.2390	
46 2-Methylnaphthalene	142	9.198	9.196	0.002	59682	0.2193	
47 1-Methylnaphthalene	142	9.284	9.287	-0.003	57652	0.2202	
48 Hexachlorocyclopentadiene	237	9.328	9.326	0.002	5530	0.6483	
49 1,2,4,5-Tetrachlorobenzene	216	9.337	9.340	-0.003	23259	0.2021	
50 2,4,6-Trichlorophenol	196	9.424	9.427	-0.003	12062	0.1949	
51 2,4,5-Trichlorophenol	196	9.457	9.460	-0.003	13532	0.2304	
52 1,1'-Biphenyl	154	9.582	9.585	-0.003	70347	0.2497	
53 2-Chloronaphthalene	162	9.616	9.619	-0.003	61231	0.2266	
54 Phenyl ether	170	9.664	9.667	-0.003	36314	0.2252	
68 4-Nitroaniline	138	9.683	9.686	-0.003	13118	0.2373	
56 Dimethyl phthalate	163	9.808	9.816	-0.008	60091	0.2403	
57 2,6-Dinitrotoluene	165	9.876	9.879	-0.003	11613	0.2062	
58 Acenaphthylene	152	9.972	9.975	-0.003	79736	0.2322	
59 3-Nitroaniline	138	10.025	10.028	-0.003	10440	0.2185	
61 Acenaphthene	153	10.116	10.119	-0.003	55276	0.2335	
62 4-Nitrophenol	109	10.135	10.139	-0.003	3565	0.2669	
63 2,4-Dinitrotoluene	165	10.217	10.220	-0.003	12586	0.2464	
64 Dibenzofuran	168	10.256	10.259	-0.003	76609	0.2465	
65 2,3,4,6-Tetrachlorophenol	232	10.352	10.355	-0.003	7567	0.2285	
66 Diethyl phthalate	149	10.395	10.398	-0.003	61764	0.2361	
67 4-Chlorophenyl phenyl ether	204	10.525	10.528	-0.003	27353	0.2380	
55 2-Nitroaniline	65	10.539	10.547	-0.008	11874	0.2453	
69 Fluorene	166	10.549	10.552	-0.003	60130	0.2292	
70 4,6-Dinitro-2-methylphenol	198	10.568	10.566	0.002	1428	0.3396	
71 Diphenylamine	169	10.616	10.619	-0.003	49072	0.2389	
72 N-Nitrosodiphenylamine	169	10.616	10.619	-0.003	49072	0.2389	
73 1,2-Diphenylhydrazine	77	10.660	10.663	-0.003	86305	0.2284	
74 Azobenzene	77	10.660	10.663	-0.003	86305	0.2284	
13 Benzophenone	105	10.669	10.672	-0.003	51502	0.2256	
75 4-Bromophenyl phenyl ether	248	10.939	10.942	-0.003	13659	0.2399	
76 Hexachlorobenzene	284	11.020	11.023	-0.003	12620	0.2314	
77 Atrazine	200	11.040	11.043	-0.003	12810	0.2194	
79 Pentachloronitrobenzene	237	11.184	11.187	-0.003	5238	0.2495	
80 Phenanthrene	178	11.367	11.370	-0.003	83517	0.2575	
81 Anthracene	178	11.410	11.413	-0.003	69331	0.2275	
83 Carbazole	167	11.530	11.528	0.002	62154	0.2390	
84 Di-n-butyl phthalate	149	11.761	11.764	-0.003	98922	0.2494	
87 Fluoranthene	202	12.420	12.423	-0.003	62422	0.2217	
85 Pyrene	202	12.670	12.673	-0.003	66470	0.2734	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
89 Butyl benzyl phthalate	149	13.391	13.389	0.002	23767	0.2141	
91 3,3'-Dichlorobenzidine	252	14.362	14.370	-0.008	5648	0.2209	
92 Bis(2-ethylhexyl) phthalate	149	14.396	14.394	0.002	30954	0.2002	
93 Benzo[a]anthracene	228	14.459	14.462	-0.003	35271	0.2326	
94 Chrysene	228	14.536	14.539	-0.003	37759	0.2551	
95 Di-n-octyl phthalate	149	15.704	15.702	0.002	27510	0.2243	
97 Benzo[b]fluoranthene	252	16.320	16.323	-0.003	28922	0.2207	
98 Benzo[k]fluoranthene	252	16.363	16.366	-0.003	26365	0.2186	
99 Benzo[a]pyrene	252	16.829	16.832	-0.003	18814	0.1971	
100 Indeno[1,2,3-cd]pyrene	276	18.902	18.915	-0.013	14330	0.2094	
101 Dibenz(a,h)anthracene	278	18.931	18.939	-0.008	10723	0.2108	
102 Benzo[g,h,i]perylene	276	19.498	19.506	-0.008	15645	0.2263	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

Report Date: 29-Oct-2009 15:54:55 Chrom Revision: 1.1 26-Oct-2009 10:54:26

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10514.D

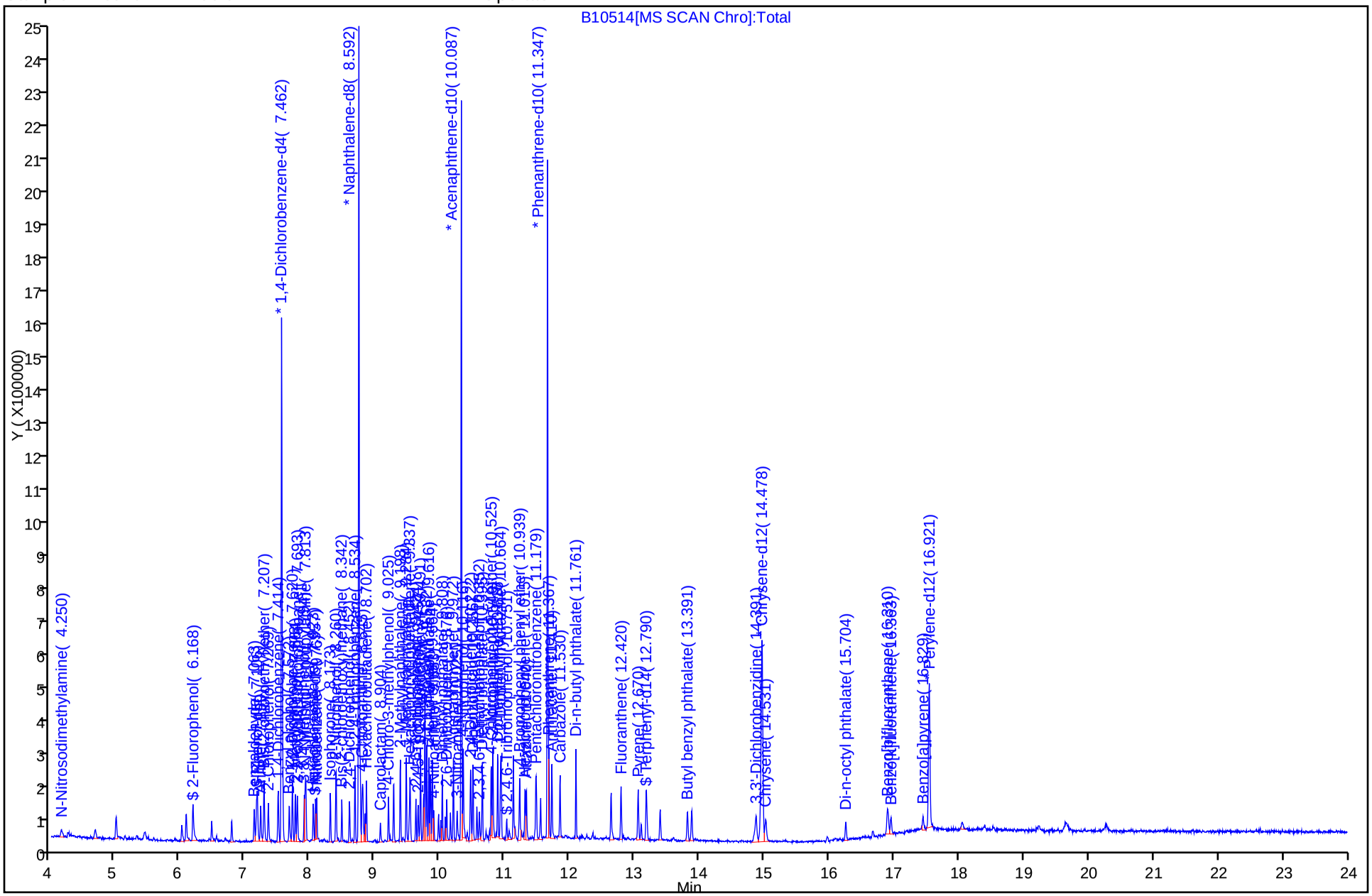
Inj Date: 23-Sep-2009 19:22:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49442 Lims Sample ID: 4

Client ID: Instrument: Inst. B

Sample Info: std025

Sample Amount: 1.00 ul Operator: MZ

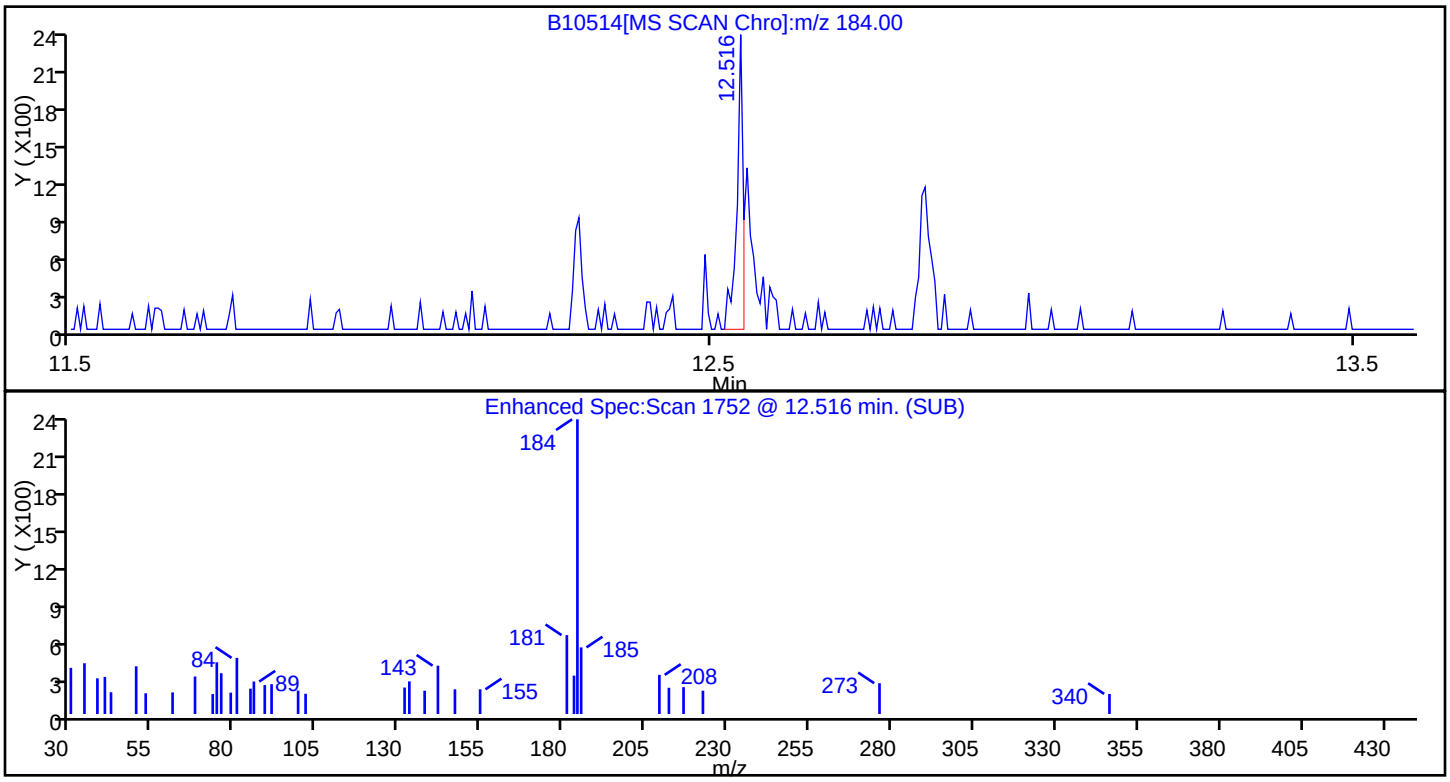


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10514.D		
Inj Date:	23-Sep-2009 19:22:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

86 Benzidine

Processing Results



RT	Mass	Response	Amount
12.52	184.00	1482	0.250000
12.51	92.00	204	

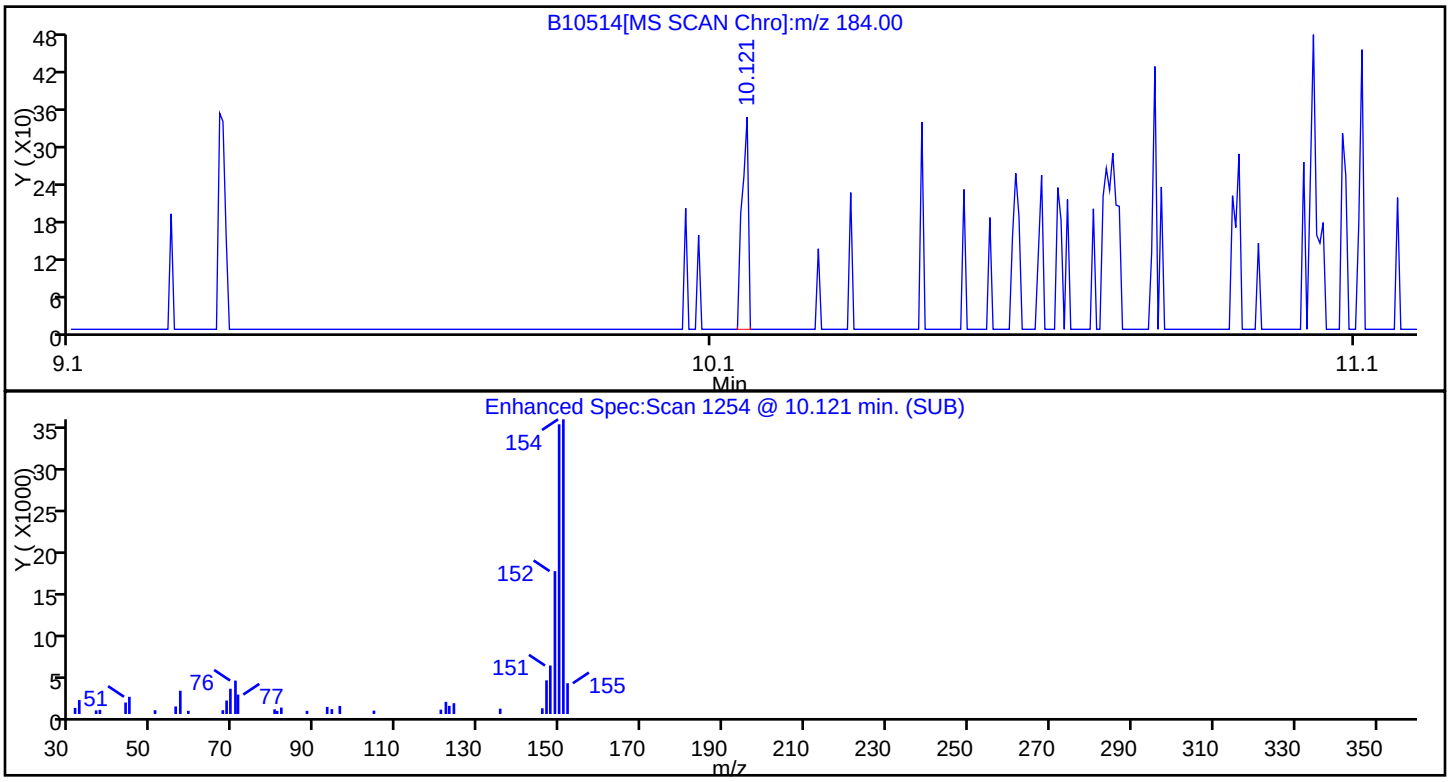
Reviewer: sullivanp, 25-Sep-2009 08:47:14
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10514.D		
Inj Date:	23-Sep-2009 19:22:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
10.12	184.00	222	0.027436
10.12	63.00	6949	
10.12	154.00	54532	

Reviewer: sullivanp, 25-Sep-2009 08:47:14
Audit Action: Marked Compound Undetected
Audit Reason:

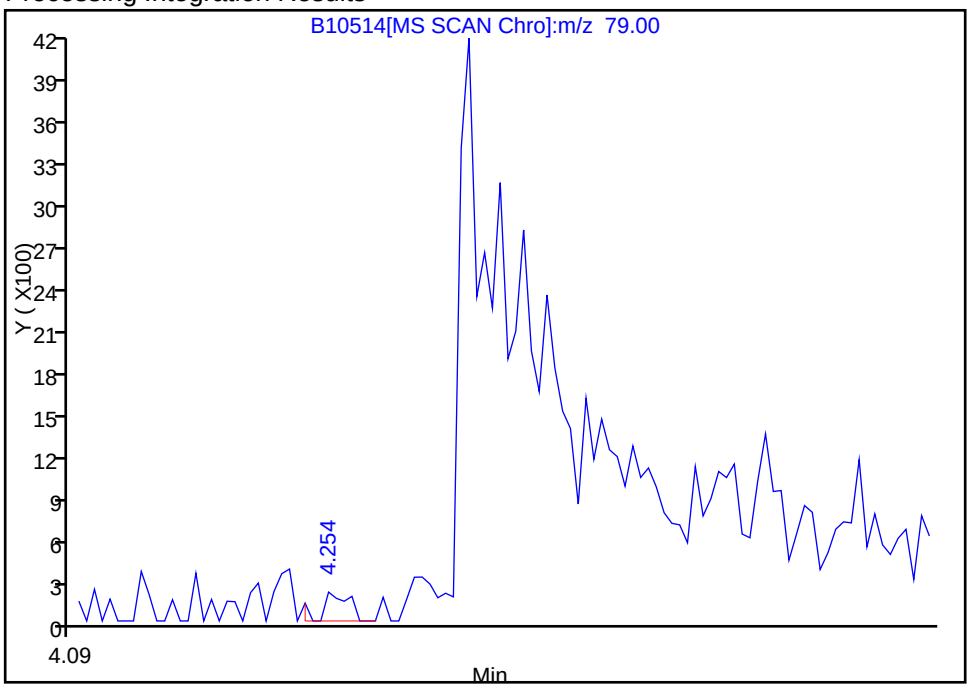
Chrom Revision: 1.1 26-Oct-2009 10:54:26
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10514.D		
Inj Date:	23-Sep-2009 19:22:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

16 Pyridine, Number: 1, m/z: 79 Type: quant, RT: 4.25

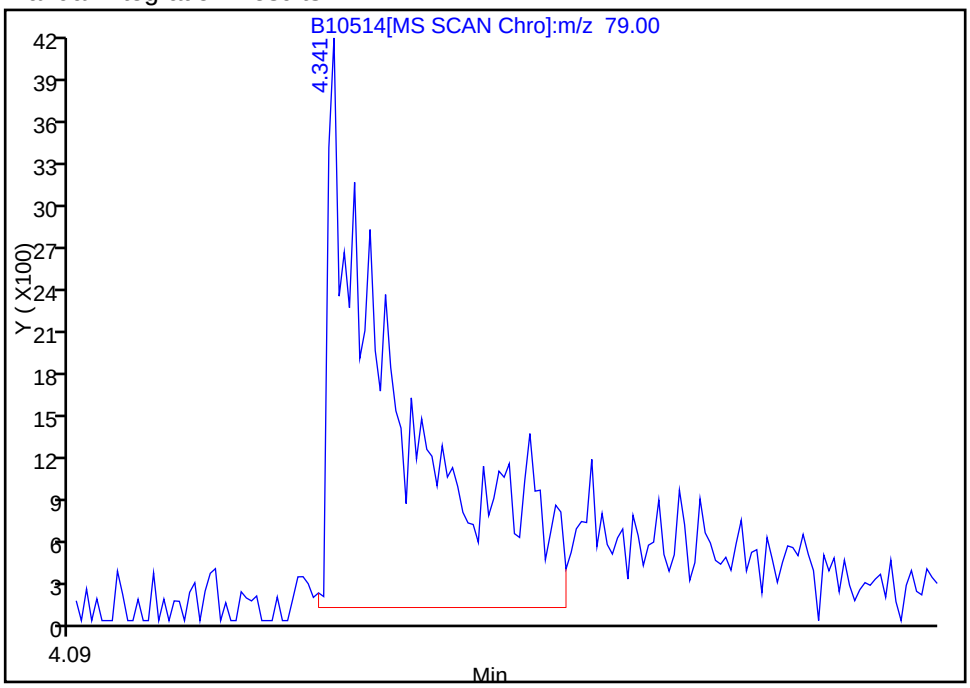
Processing Integration Results

RT: 4.25
Response: 233
Amount: 0.250000



Manual Integration Results

RT: 4.34
Response: 17442
Amount: -0.664826



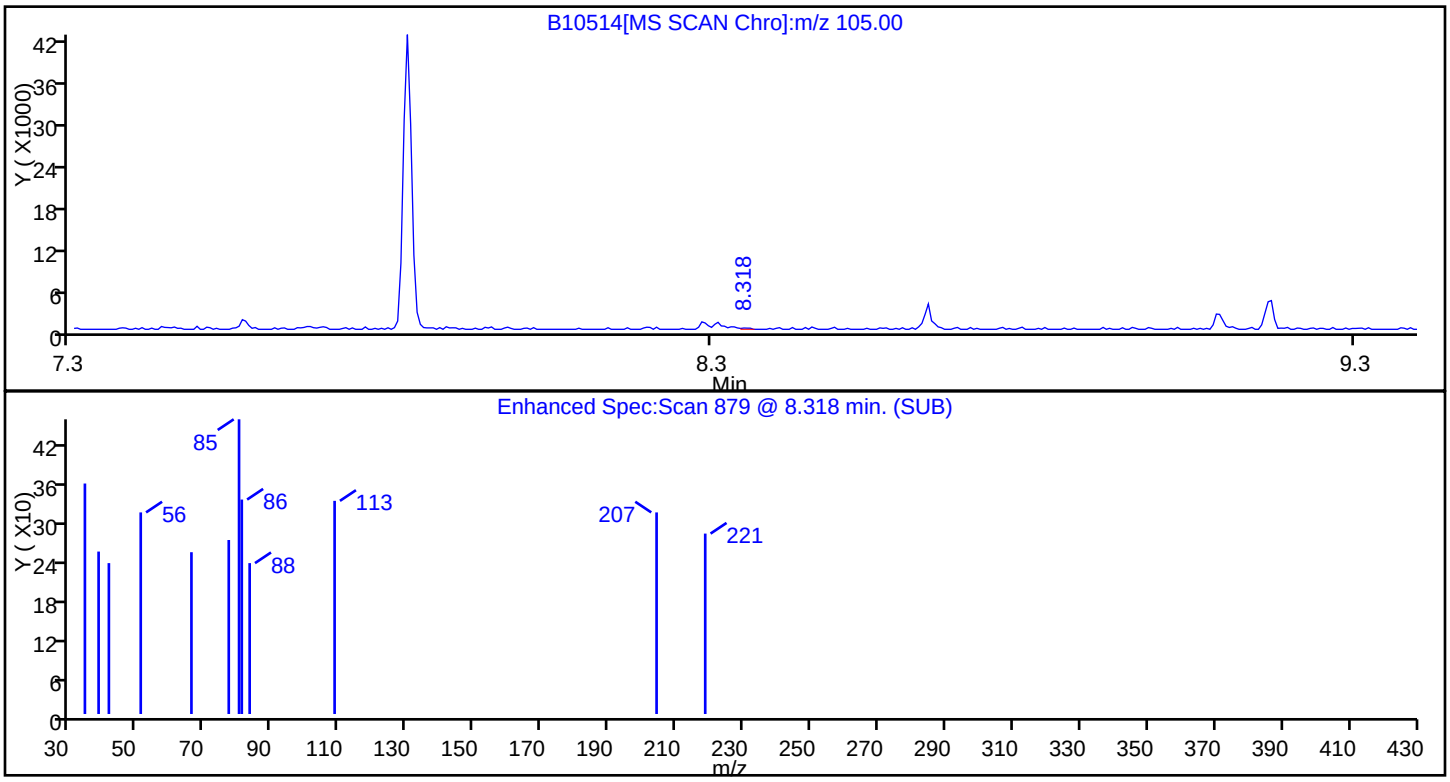
Reviewer: sullivanp, 25-Sep-2009 08:47:14
Audit Action: Manually Integrated
Audit Reason: Assign Peak

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10514.D		
Inj Date:	23-Sep-2009 19:22:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
8.32	105.00	181	0.250000
8.32	122.00	214	
8.31	77.00	215	

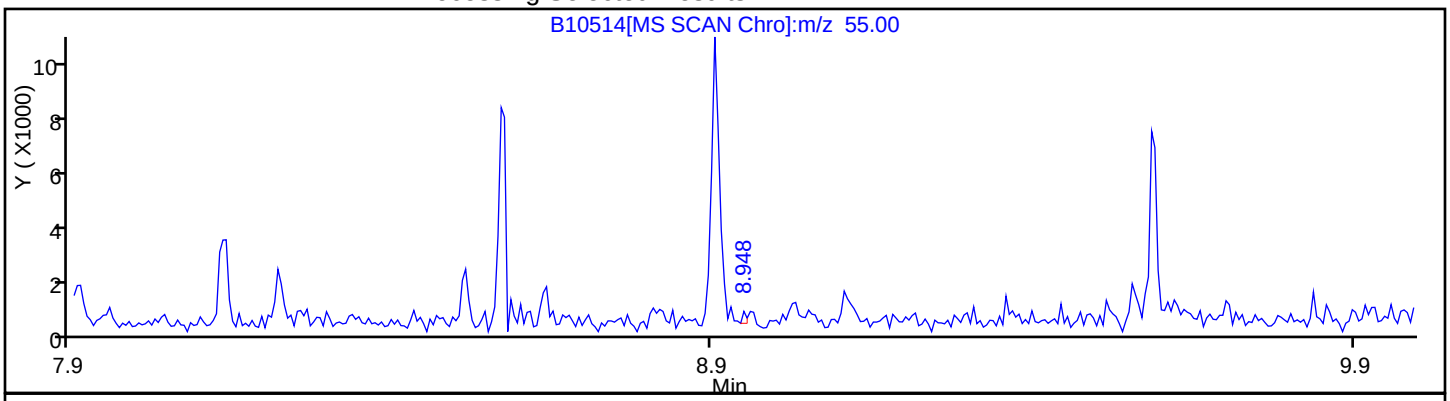
Reviewer: sullivanp, 25-Sep-2009 08:47:14
Audit Action: Marked Compound Undetected
Audit Reason:

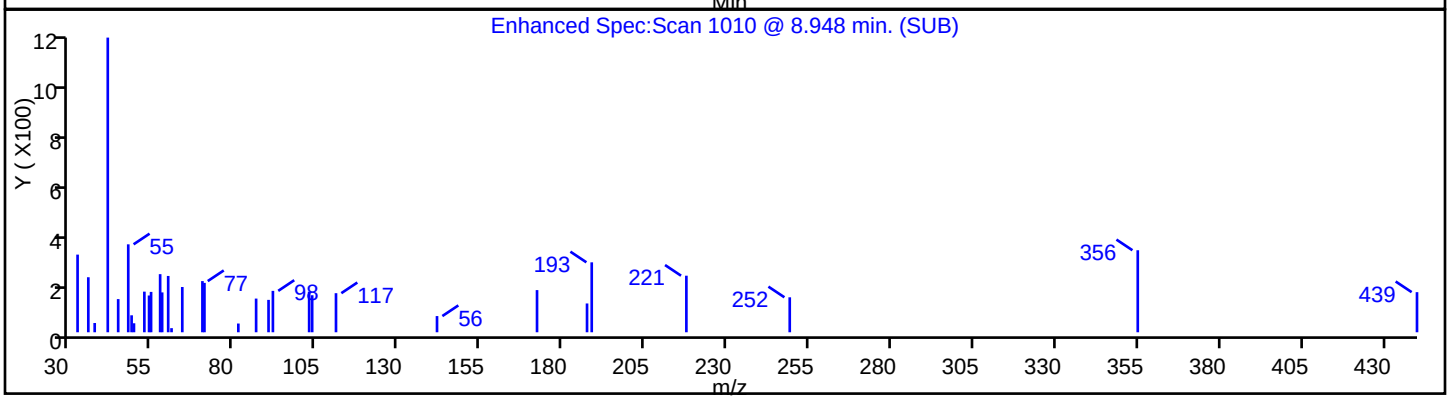
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10514.D		
Inj Date:	23-Sep-2009 19:22:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

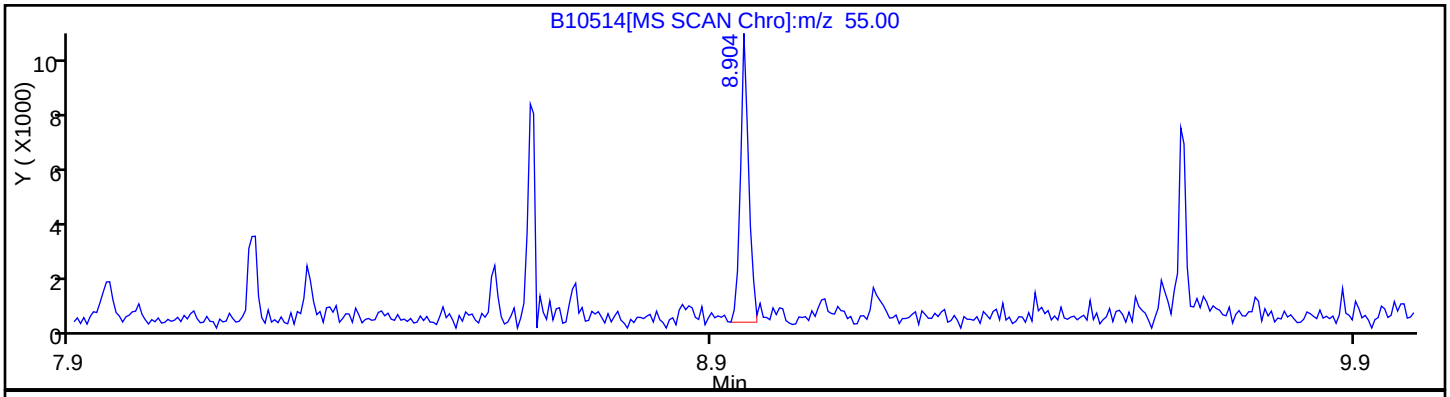
44 Caprolactam

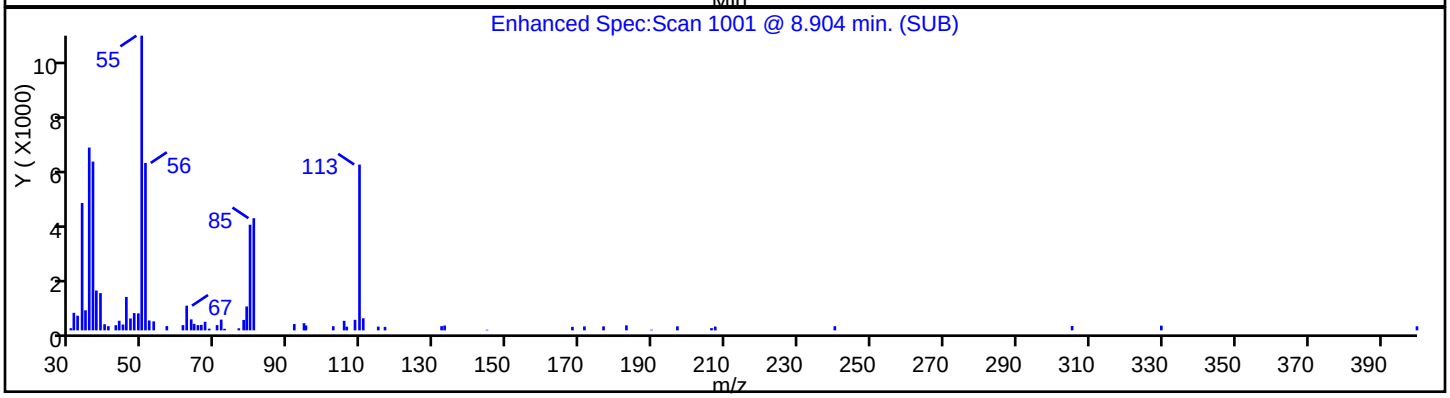
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 25-Sep-2009 08:47:14
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10515.D		
Lims ID:	std05	Client ID:	
Inject. Date:	23-Sep-2009 19:54:30	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:	49442	Lims Sample ID:	5
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	30-Sep-2009 13:28:04	Calib Date:	23-Sep-2009 22:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WESWEIGEL		
Reviewed By:	sullivanp	Date:	25-Sep-2009 09:16:12
Reviewed By:	sullivanp	Date:	25-Sep-2009 10:08:54
Reviewed By:	weigelb	Date:	29-Oct-2009 15:55:08

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.464	7.465	-0.001	363478	2.00	
* 2 Naphthalene-d8	136	8.590	8.595	-0.005	868704	2.00	
* 3 Acenaphthene-d10	164	10.090	10.090	0.000	417150	2.00	
* 4 Phenanthrene-d10	188	11.345	11.346	-0.001	684457	2.00	
* 5 Chrysene-d12	240	14.480	14.481	-0.001	416229	2.00	
* 6 Perylene-d12	264	16.918	16.919	-0.001	275112	2.00	
$ 7 2-Fluorophenol	112	6.166	6.166	0.000	47134	0.5105	
$ 8 Phenol-d5	99	7.099	7.099	0.000	62173	0.5015	
$ 9 Nitrobenzene-d5	82	7.960	7.960	0.000	57899	0.5221	
$ 10 2-Fluorobiphenyl	172	9.494	9.494	0.000	130439	0.4854	
$ 11 2,4,6-Tribromophenol	330	10.754	10.754	0.000	8367	0.4182	
$ 12 Terphenyl-d14	244	12.788	12.788	0.000	91540	0.5246	
15 N-Nitrosodimethylamine	42	4.238	4.233	0.005	37651	0.5380	
16 Pyridine	79	4.286	4.248	0.038	25326	-0.4623	7
17 Benzaldehyde	105	7.060	7.061	-0.001	35212	0.5100	
18 Phenol	94	7.109	7.114	-0.005	65847	0.5054	
19 Aniline	93	7.157	7.157	0.000	73615	0.4908	
20 Bis(2-chloroethyl)ether	93	7.210	7.210	0.000	50144	0.4825	
21 2-Chlorophenol	128	7.267	7.268	-0.001	54574	0.4935	
22 1,4-Dichlorobenzene	146	7.411	7.412	-0.001	68655	0.5041	
23 1,3-Dichlorobenzene	146	7.479	7.479	0.000	74358	0.5251	
24 Benzyl alcohol	79	7.575	7.575	0.000	42421	0.1046	
25 1,2-Dichlorobenzene	146	7.618	7.624	-0.006	69507	0.1546	
26 2-Methylphenol	108	7.662	7.667	-0.005	49339	0.4994	
27 2,2'-oxybis[1-chloropropane]	45	7.695	7.696	-0.001	101317	0.5312	
28 3 & 4 Methylphenol	108	7.791	7.797	-0.006	51960	0.5012	
29 N-Nitrosodi-n-propylamine	70	7.806	7.811	-0.005	35423	0.0788	
30 Acetophenone	105	7.815	7.821	-0.006	74360	0.4986	
31 Hexachloroethane	117	7.926	7.926	0.000	24515	0.5087	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	7.974	7.979	-0.005	60881	0.4753	
33 Isophorone	82	8.176	8.177	-0.001	95832	0.4811	
34 2-Nitrophenol	139	8.253	8.253	0.000	27182	0.5295	
35 2,4-Dimethylphenol	107	8.258	8.263	-0.005	55055	0.4617	
36 Benzoic acid	105	8.287	8.316	-0.029	4234	0.6485	
37 Bis(2-chloroethoxy)methane	93	8.344	8.345	-0.001	58622	0.4732	
38 2,4-Dichlorophenol	162	8.455	8.455	0.000	43738	0.4678	
39 1,2,4-Trichlorobenzene	180	8.532	8.537	-0.005	53146	0.4719	
40 Alpha-Terpineol	59	8.590	8.595	-0.005	48364	0.4616	
41 Naphthalene	128	8.609	8.614	-0.005	175153	0.4887	
42 4-Chloroaniline	127	8.638	8.643	-0.005	61715	0.4542	
43 Hexachlorobutadiene	225	8.700	8.705	-0.005	28626	0.5013	
44 Caprolactam	55	8.907	8.927	-0.020	19392	0.5168	
45 4-Chloro-3-methylphenol	107	9.022	9.028	-0.006	41411	0.5256	
46 2-Methylnaphthalene	142	9.196	9.196	0.000	118596	0.4860	
47 1-Methylnaphthalene	142	9.282	9.287	-0.005	116720	0.4971	
48 Hexachlorocyclopentadiene	237	9.325	9.326	-0.001	15212	0.8365	
49 1,2,4,5-Tetrachlorobenzene	216	9.340	9.340	0.000	46313	0.4759	
50 2,4,6-Trichlorophenol	196	9.426	9.427	-0.001	28353	0.4526	
51 2,4,5-Trichlorophenol	196	9.455	9.460	-0.005	29396	0.4513	
52 1,1'-Biphenyl	154	9.580	9.585	-0.005	136818	0.4799	
53 2-Chloronaphthalene	162	9.614	9.619	-0.005	134416	0.4916	
54 Phenyl ether	170	9.667	9.667	0.000	75776	0.5179	
68 4-Nitroaniline	138	9.686	9.686	0.000	29986	0.4398	
56 Dimethyl phthalate	163	9.811	9.816	-0.005	124356	0.4913	
57 2,6-Dinitrotoluene	165	9.874	9.879	-0.005	26000	0.4561	
58 Acenaphthylene	152	9.970	9.975	-0.005	166529	0.4791	
59 3-Nitroaniline	138	10.027	10.028	-0.001	25092	0.4652	
61 Acenaphthene	153	10.114	10.119	-0.005	114455	0.4778	
62 4-Nitrophenol	109	10.133	10.139	-0.005	10720	0.4624	
63 2,4-Dinitrotoluene	165	10.220	10.220	0.000	27663	0.4192	
64 Dibenzofuran	168	10.258	10.259	-0.001	153274	0.4872	
65 2,3,4,6-Tetrachlorophenol	232	10.350	10.355	-0.005	18879	0.4270	
66 Diethyl phthalate	149	10.393	10.398	-0.005	129106	0.4876	
67 4-Chlorophenyl phenyl ether	204	10.523	10.528	-0.005	54891	0.4718	
55 2-Nitroaniline	65	10.542	10.547	-0.005	29136	0.4733	
69 Fluorene	166	10.547	10.552	-0.005	125445	0.4726	
70 4,6-Dinitro-2-methylphenol	198	10.566	10.566	0.000	5538	0.4853	
71 Diphenylamine	169	10.619	10.619	0.000	105374	0.4786	
72 N-Nitrosodiphenylamine	169	10.619	10.619	0.000	105374	0.4786	
73 1,2-Diphenylhydrazine	77	10.662	10.663	-0.001	189553	0.4681	
74 Azobenzene	77	10.662	10.663	-0.001	189553	0.4681	
13 Benzophenone	105	10.667	10.672	-0.005	114807	0.4693	
75 4-Bromophenyl phenyl ether	248	10.941	10.942	-0.001	29592	0.4849	
76 Hexachlorobenzene	284	11.018	11.023	-0.005	28277	0.4838	
77 Atrazine	200	11.037	11.043	-0.006	29084	0.4649	
79 Pentachloronitrobenzene	237	11.186	11.187	-0.001	10814	0.4135	
80 Phenanthrene	178	11.364	11.370	-0.006	165809	0.4770	
81 Anthracene	178	11.408	11.413	-0.005	156591	0.4795	
83 Carbazole	167	11.528	11.528	0.000	141567	0.5079	
84 Di-n-butyl phthalate	149	11.759	11.764	-0.005	204416	0.4808	
87 Fluoranthene	202	12.417	12.423	-0.006	143148	0.4745	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
86 Benzidine	184	12.514	12.519	-0.005	6323	0.6470	
85 Pyrene	202	12.668	12.673	-0.005	150753	0.5148	
89 Butyl benzyl phthalate	149	13.389	13.389	0.000	60701	0.4540	
91 3,3'-Dichlorobenzidine	252	14.365	14.370	-0.005	18945	0.4193	
92 Bis(2-ethylhexyl) phthalate	149	14.389	14.394	-0.005	78134	0.4196	
93 Benzo[a]anthracene	228	14.456	14.462	-0.006	87818	0.4809	
94 Chrysene	228	14.533	14.539	-0.006	85899	0.4817	
95 Di-n-octyl phthalate	149	15.702	15.702	0.000	85940	0.4004	
97 Benzo[b]fluoranthene	252	16.317	16.323	-0.006	74797	0.4820	
98 Benzo[k]fluoranthene	252	16.361	16.366	-0.005	64068	0.4487	
99 Benzo[a]pyrene	252	16.827	16.832	-0.005	47450	0.4198	
100 Indeno[1,2,3-cd]pyrene	276	18.905	18.915	-0.011	37475	0.4125	
101 Dibenz(a,h)anthracene	278	18.929	18.939	-0.010	28320	0.4026	
102 Benzo[g,h,i]perylene	276	19.491	19.506	-0.015	34229	0.4181	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 29-Oct-2009 15:55:09 Chrom Revision: 1.1 26-Oct-2009 10:54:26

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10515.D

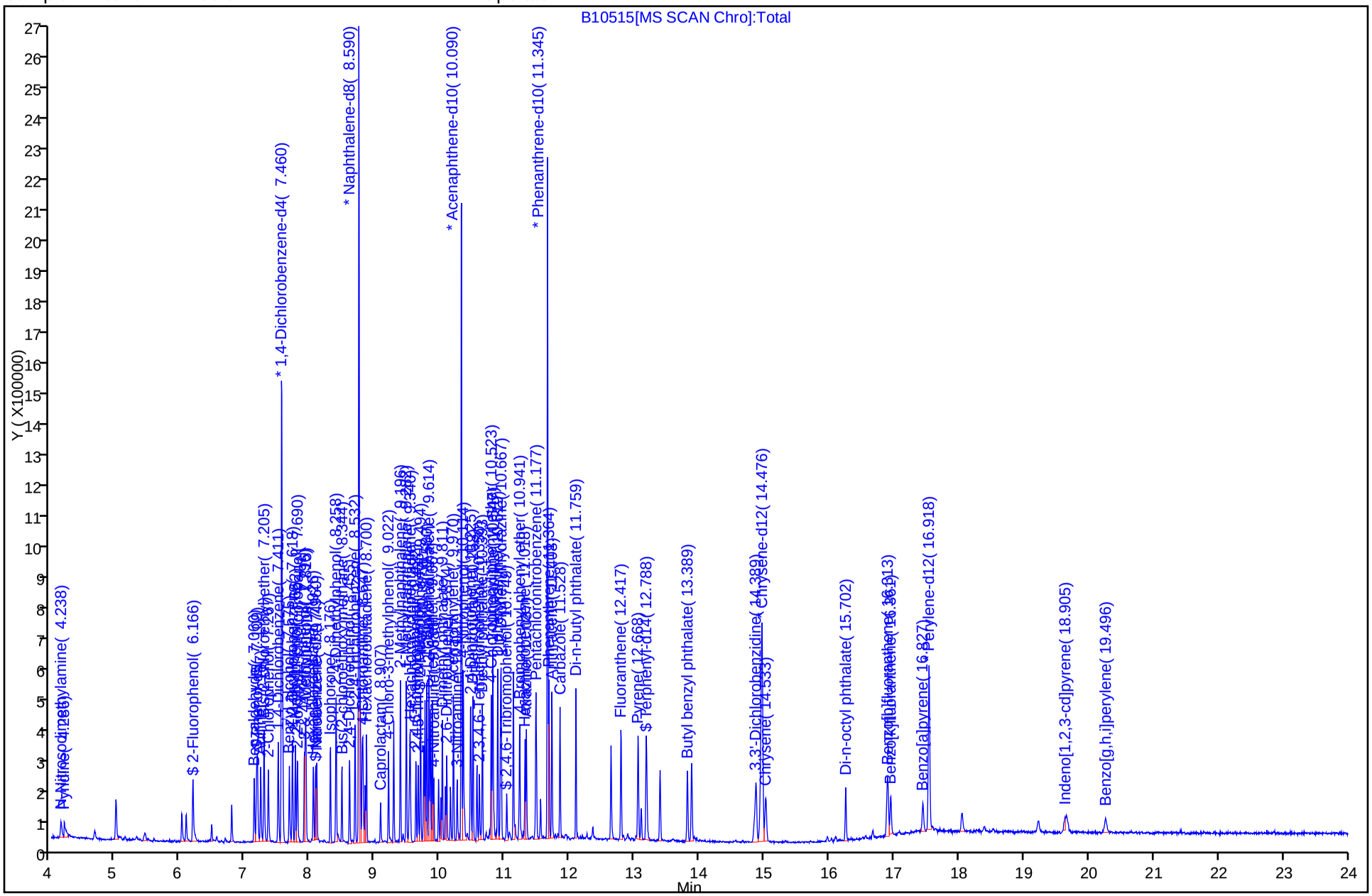
Inj Date: 23-Sep-2009 19:54:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49442 Lims Sample ID: 5

Client ID: Instrument: Inst. B

Sample Info: std05

Sample Amount: 1.00 ul Operator: MZ

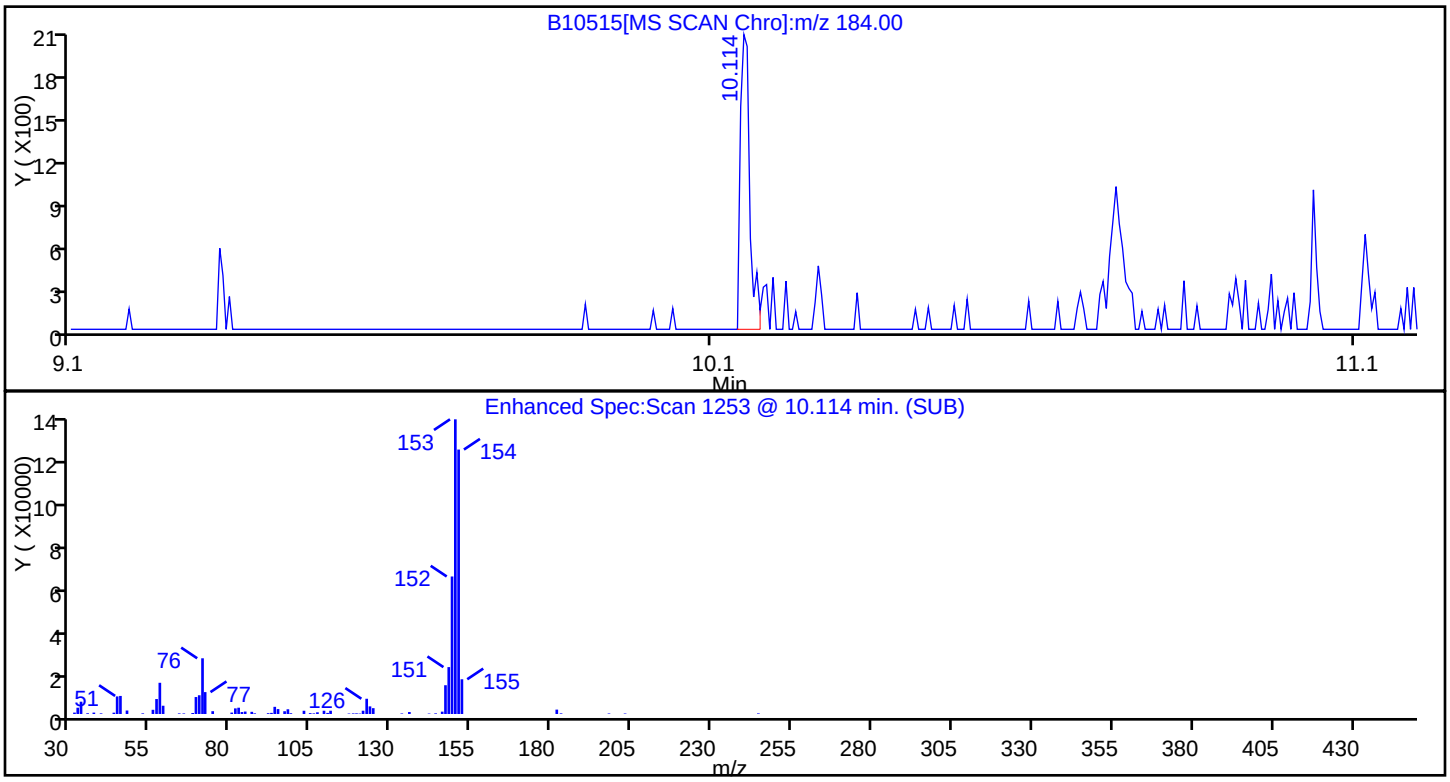


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10515.D		
Inj Date:	23-Sep-2009 19:54:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	std05		
Sample Amount:	1.00 ul	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
10.11	184.00	1972	0.203051
10.11	63.00	13176	
10.11	154.00	105605	

Reviewer: sullivanp, 25-Sep-2009 09:16:12
Audit Action: Marked Compound Undetected
Audit Reason:

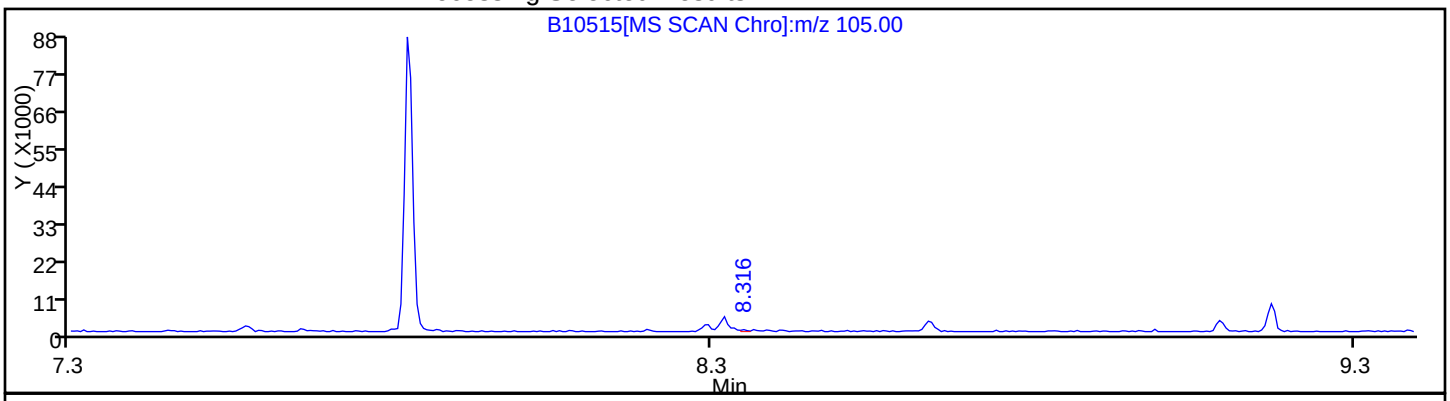
Chrom Revision: 1.1 26-Oct-2009 10:54:26

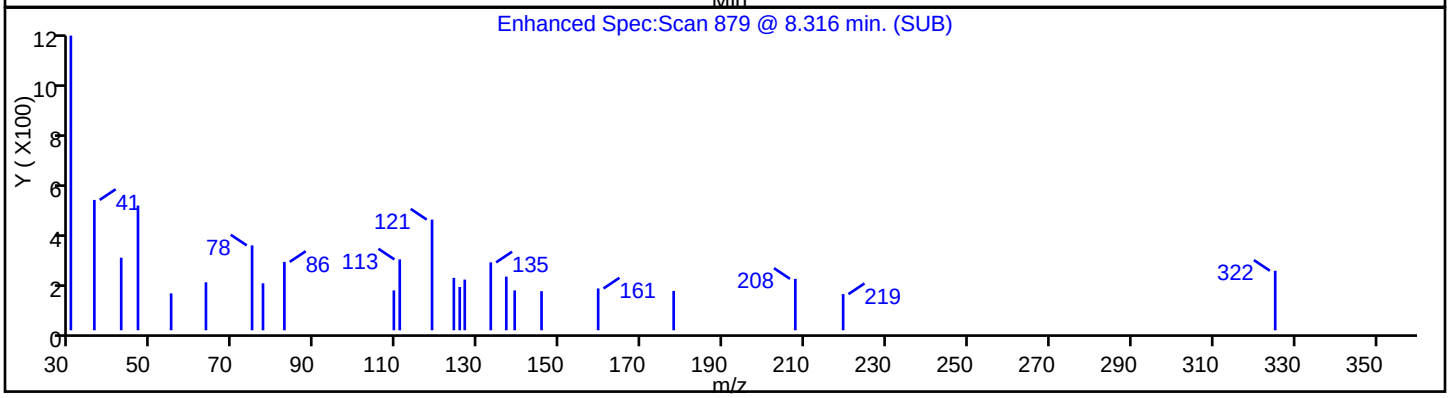
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10515.D		
Inj Date:	23-Sep-2009 19:54:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	std05		
Sample Amount:	1.00 ul	Operator:	MZ

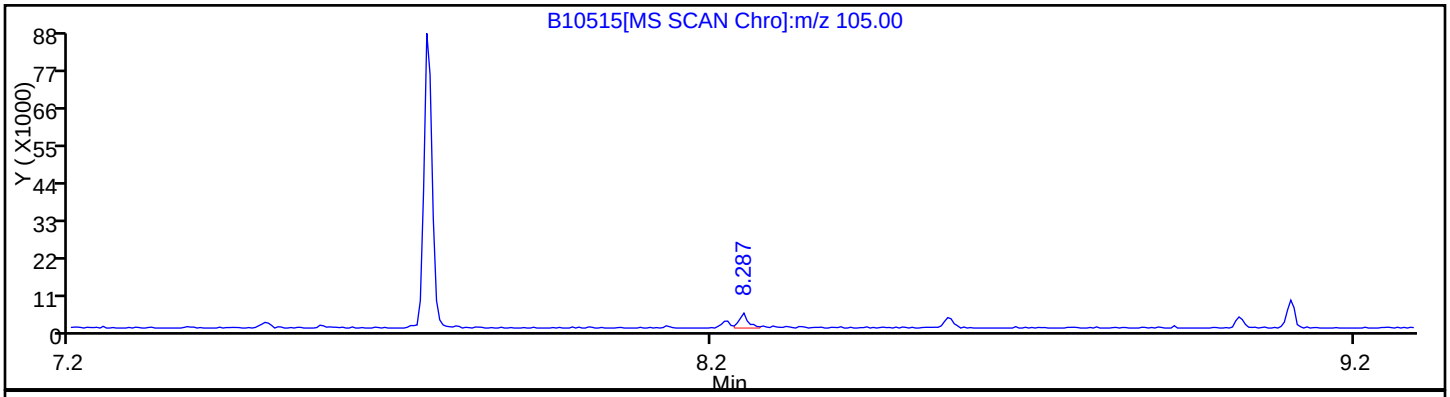
36 Benzoic acid

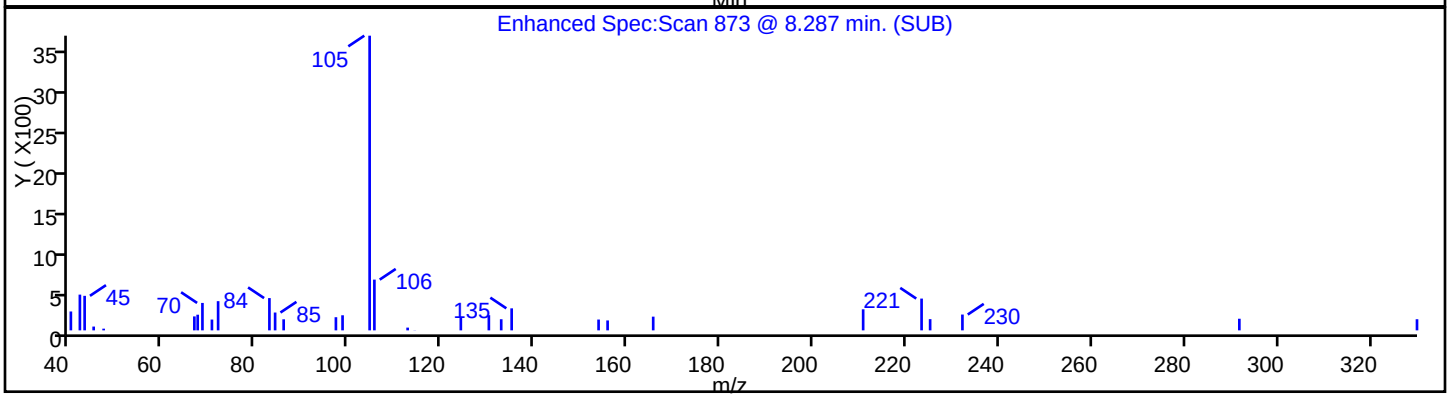
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 25-Sep-2009 09:16:12

Audit Action: Selected Alternate Hit

Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10516.D		
Lims ID:	std1	Client ID:	
Inject. Date:	23-Sep-2009 20:25:30	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:	49442	Lims Sample ID:	6
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	30-Sep-2009 13:28:04	Calib Date:	23-Sep-2009 22:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WESWEIGEL		
Reviewed By:	sullivanp	Date:	25-Sep-2009 09:29:00
Reviewed By:	sullivanp	Date:	25-Sep-2009 10:09:00
Reviewed By:	weigelb	Date:	29-Oct-2009 15:55:21

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.460	7.465	-0.005	354829	2.00	
* 2 Naphthalene-d8	136	8.590	8.595	-0.005	859145	2.00	
* 3 Acenaphthene-d10	164	10.086	10.090	-0.004	396104	2.00	
* 4 Phenanthrene-d10	188	11.346	11.346	0.000	642394	2.00	
* 5 Chrysene-d12	240	14.481	14.481	0.000	391142	2.00	
* 6 Perylene-d12	264	16.919	16.919	0.000	270708	2.00	
$ 7 2-Fluorophenol	112	6.167	6.166	0.001	96478	1.07	
$ 8 Phenol-d5	99	7.099	7.099	0.000	122277	1.01	
$ 9 Nitrobenzene-d5	82	7.960	7.960	0.000	119038	1.09	
$ 10 2-Fluorobiphenyl	172	9.494	9.494	0.000	248882	0.9753	
$ 11 2,4,6-Tribromophenol	330	10.754	10.754	0.000	17873	0.8200	
$ 12 Terphenyl-d14	244	12.788	12.788	0.000	167343	1.02	
15 N-Nitrosodimethylamine	42	4.238	4.233	0.005	70429	1.03	
16 Pyridine	79	4.262	4.248	0.014	72942	0.7087	
17 Benzaldehyde	105	7.061	7.061	0.000	71167	1.06	
18 Phenol	94	7.109	7.114	-0.005	131537	1.03	
19 Aniline	93	7.157	7.157	0.000	151951	1.04	
20 Bis(2-chloroethyl)ether	93	7.210	7.210	0.000	103878	1.02	
21 2-Chlorophenol	128	7.268	7.268	0.000	113204	1.05	
22 1,4-Dichlorobenzene	146	7.412	7.412	0.000	142584	1.07	
23 1,3-Dichlorobenzene	146	7.479	7.479	0.000	144017	1.04	
24 Benzyl alcohol	79	7.576	7.575	0.001	88576	1.08	
25 1,2-Dichlorobenzene	146	7.619	7.624	-0.005	132199	1.14	
26 2-Methylphenol	108	7.662	7.667	-0.005	98726	1.02	
27 2,2'-oxybis[1-chloropropane]	45	7.691	7.696	-0.005	192620	1.03	
28 3 & 4 Methylphenol	108	7.797	7.797	0.000	102502	1.01	
29 N-Nitrosodi-n-propylamine	70	7.806	7.811	-0.005	72374	1.07	
30 Acetophenone	105	7.816	7.821	-0.005	147343	1.01	
31 Hexachloroethane	117	7.927	7.926	0.001	47382	1.01	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	7.975	7.979	-0.004	120571	1.03	
33 Isophorone	82	8.177	8.177	0.000	191379	0.99	
34 2-Nitrophenol	139	8.254	8.253	0.001	56959	1.12	
35 2,4-Dimethylphenol	107	8.258	8.263	-0.005	108706	1.00	
36 Benzoic acid	105	8.287	8.316	-0.029	10799	0.7998	
37 Bis(2-chloroethoxy)methane	93	8.345	8.345	0.000	117514	1.04	
38 2,4-Dichlorophenol	162	8.456	8.455	0.001	89103	1.02	
39 1,2,4-Trichlorobenzene	180	8.537	8.537	0.000	105126	1.03	
40 Alpha-Terpineol	59	8.590	8.595	-0.005	98734	0.9864	
41 Naphthalene	128	8.609	8.614	-0.005	339898	1.02	
42 4-Chloroaniline	127	8.638	8.643	-0.005	130337	1.01	
43 Hexachlorobutadiene	225	8.701	8.705	-0.004	53377	1.02	
44 Caprolactam	55	8.908	8.927	-0.019	42548	1.15	
45 4-Chloro-3-methylphenol	107	9.023	9.028	-0.005	88348	1.13	
46 2-Methylnaphthalene	142	9.196	9.196	0.000	233063	1.03	
47 1-Methylnaphthalene	142	9.283	9.287	-0.004	226803	1.04	
48 Hexachlorocyclopentadiene	237	9.326	9.326	0.000	29889	1.16	
49 1,2,4,5-Tetrachlorobenzene	216	9.340	9.340	0.000	90939	1.03	
50 2,4,6-Trichlorophenol	196	9.427	9.427	0.000	57132	0.9604	
51 2,4,5-Trichlorophenol	196	9.456	9.460	-0.004	59993	0.9266	
52 1,1'-Biphenyl	154	9.581	9.585	-0.004	269899	1.00	
53 2-Chloronaphthalene	162	9.614	9.619	-0.005	260466	1.00	
54 Phenyl ether	170	9.667	9.667	0.000	142902	1.04	
68 4-Nitroaniline	138	9.687	9.686	0.001	62687	0.8765	
56 Dimethyl phthalate	163	9.812	9.816	-0.004	243816	1.01	
57 2,6-Dinitrotoluene	165	9.874	9.879	-0.005	53646	0.99	
58 Acenaphthylene	152	9.970	9.975	-0.005	337979	1.02	
59 3-Nitroaniline	138	10.028	10.028	0.000	51326	0.9572	
60 2,4-Dinitrophenol	184	10.115	10.114	0.001	5371	0.8149	
61 Acenaphthene	153	10.115	10.119	-0.004	222971	0.9803	
62 4-Nitrophenol	109	10.134	10.139	-0.004	24312	0.8714	
63 2,4-Dinitrotoluene	165	10.220	10.220	0.000	61122	0.8442	
64 Dibenzofuran	168	10.259	10.259	0.000	293259	0.9818	
65 2,3,4,6-Tetrachlorophenol	232	10.350	10.355	-0.005	39786	0.8341	
66 Diethyl phthalate	149	10.393	10.398	-0.005	245460	0.9764	
67 4-Chlorophenyl phenyl ether	204	10.523	10.528	-0.005	105686	0.9567	
55 2-Nitroaniline	65	10.543	10.547	-0.004	52935	0.8278	M
69 Fluorene	166	10.547	10.552	-0.005	238621	0.9467	
70 4,6-Dinitro-2-methylphenol	198	10.567	10.566	0.001	13577	0.8053	
71 Diphenylamine	169	10.619	10.619	0.000	201134	0.9733	
72 N-Nitrosodiphenylamine	169	10.619	10.619	0.000	201134	0.9733	
73 1,2-Diphenylhydrazine	77	10.658	10.663	-0.005	383161	1.01	
74 Azobenzene	77	10.658	10.663	-0.005	383161	1.01	
13 Benzophenone	105	10.668	10.672	-0.004	223853	0.9750	
75 4-Bromophenyl phenyl ether	248	10.942	10.942	0.000	55134	0.9626	
76 Hexachlorobenzene	284	11.019	11.023	-0.004	54357	0.99	
77 Atrazine	200	11.038	11.043	-0.005	56931	0.9695	
78 Pentachlorophenol	266	11.172	11.177	-0.005	11111	0.9471	
79 Pentachloronitrobenzene	237	11.187	11.187	0.000	23149	0.8502	
80 Phenanthrene	178	11.365	11.370	-0.005	318606	0.9767	
81 Anthracene	178	11.408	11.413	-0.005	301569	0.9839	
83 Carbazole	167	11.528	11.528	0.000	264019	1.01	

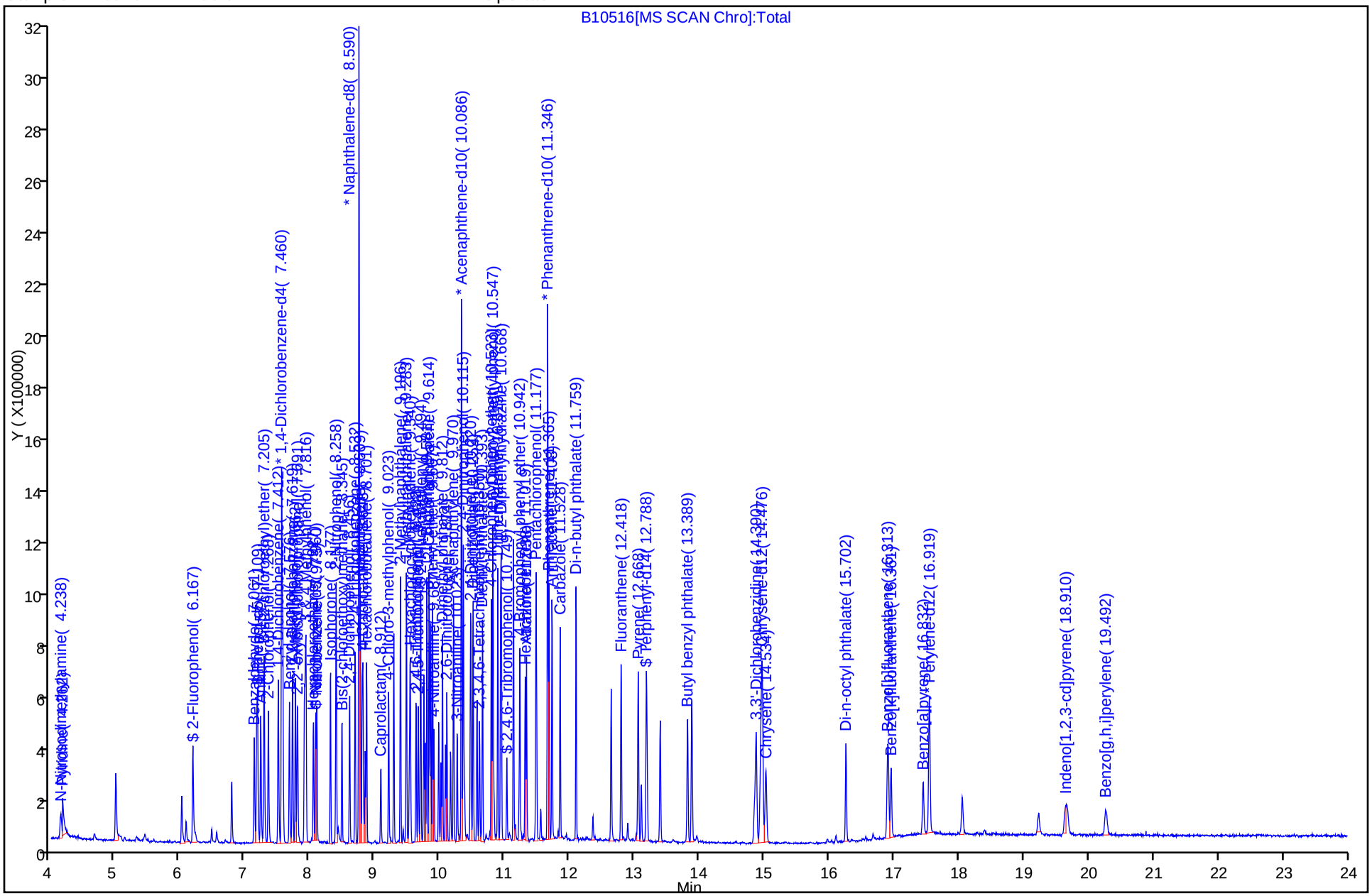
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	11.759	11.764	-0.005	388814	0.9744	
87 Fluoranthene	202	12.418	12.423	-0.005	264271	0.9333	
86 Benzidine	184	12.514	12.519	-0.005	25743	1.16	
85 Pyrene	202	12.668	12.673	-0.005	275920	1.00	
89 Butyl benzyl phthalate	149	13.389	13.389	0.000	122333	0.9736	
91 3,3'-Dichlorobenzidine	252	14.366	14.370	-0.004	39617	0.7986	
92 Bis(2-ethylhexyl) phthalate	149	14.390	14.394	-0.004	164147	0.9381	
93 Benzo[a]anthracene	228	14.457	14.462	-0.005	170041	0.99	
94 Chrysene	228	14.534	14.539	-0.005	165617	0.9883	
95 Di-n-octyl phthalate	149	15.702	15.702	0.000	196200	0.7747	
97 Benzo[b]fluoranthene	252	16.323	16.323	0.000	142377	0.9324	
98 Benzo[k]fluoranthene	252	16.361	16.366	-0.005	143797	1.02	
99 Benzo[a]pyrene	252	16.828	16.832	-0.004	101794	0.9153	
100 Indeno[1,2,3-cd]pyrene	276	18.905	18.915	-0.010	85697	0.9040	
101 Dibenz(a,h)anthracene	278	18.929	18.939	-0.010	66542	0.8850	
102 Benzo[g,h,i]perylene	276	19.492	19.506	-0.014	80474	1.00	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 29-Oct-2009 15:55:22 Chrom Revision: 1.1 26-Oct-2009 10:54:26

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10516.D		
Inj Date:	23-Sep-2009 20:25:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	6
Client ID:		Instrument:	Inst. B
Sample Info:	std1		
Sample Amount:	1.00 ul	Operator:	MZ



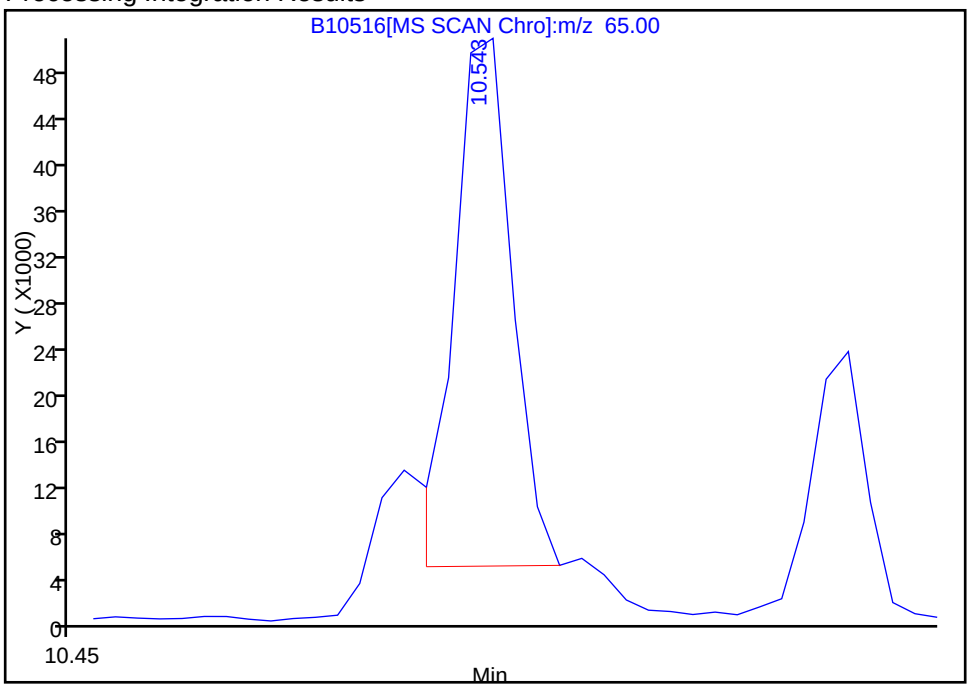
Chrom Revision: 1.1 26-Oct-2009 10:54:26
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10516.D		
Inj Date:	23-Sep-2009 20:25:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	6
Client ID:		Instrument:	Inst. B
Sample Info:	std1		
Sample Amount:	1.00 ul	Operator:	MZ

55 2-Nitroaniline, Number: 1, m/z: 65 Type: quant, RT: 10.55

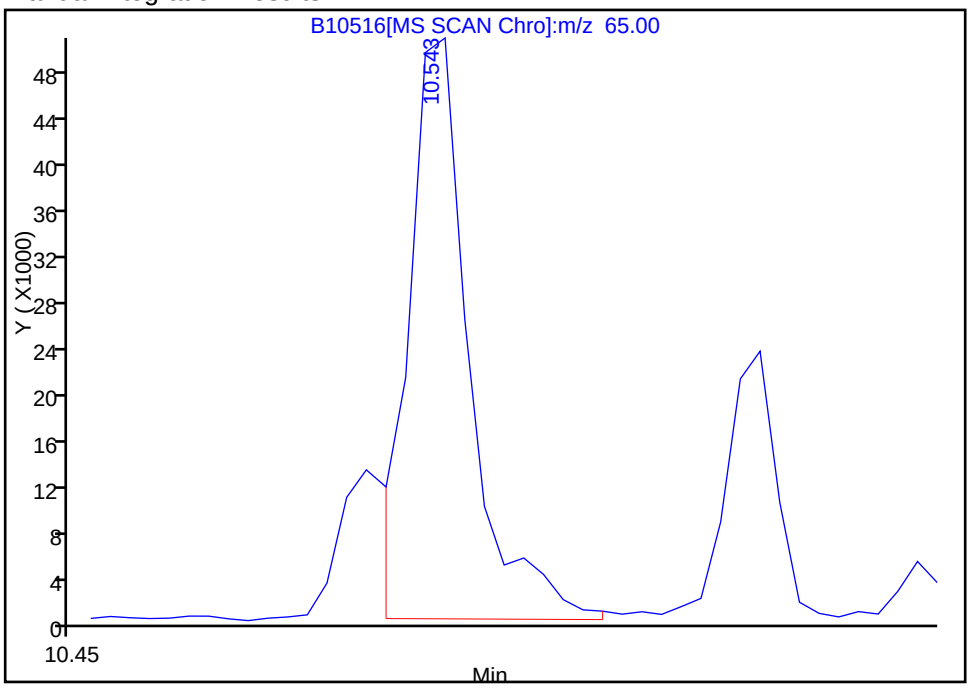
Processing Integration Results

RT: 10.54
Response: 40102
Amount: 0.771601



Manual Integration Results

RT: 10.54
Response: 52935
Amount: 0.827775



Reviewer: sullivanp, 25-Sep-2009 10:09:00
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10517.D		
Lims ID:	std25	Client ID:	
Inject. Date:	23-Sep-2009 20:57:30	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:	49442	Lims Sample ID:	7
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	30-Sep-2009 13:28:04	Calib Date:	23-Sep-2009 22:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WESWEIGEL		
Reviewed By:	sullivanp	Date:	25-Sep-2009 10:09:06
Reviewed By:	weigelb	Date:	29-Oct-2009 15:55:35

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.466	7.466	0.000	803697	2.00	
* 2 Naphthalene-d8	136	8.592	8.592	0.000	2033550	2.00	
* 3 Acenaphthene-d10	164	10.092	10.092	0.000	824098	2.00	
* 4 Phenanthrene-d10	188	11.347	11.347	0.000	1353542	2.00	
* 5 Chrysene-d12	240	14.482	14.482	0.000	912540	2.00	
* 6 Perylene-d12	264	16.920	16.920	0.000	663367	2.00	
$ 7 2-Fluorophenol	112	6.168	6.168	0.000	594945	2.91	
$ 8 Phenol-d5	99	7.101	7.101	0.000	726986	2.65	
$ 9 Nitrobenzene-d5	82	7.962	7.962	0.000	706599	2.72	
$ 10 2-Fluorobiphenyl	172	9.496	9.496	0.000	1413243	2.66	
$ 11 2,4,6-Tribromophenol	330	10.756	10.756	0.000	121288	2.41	
$ 12 Terphenyl-d14	244	12.790	12.790	0.000	968181	2.53	
15 N-Nitrosodimethylamine	42	4.240	4.240	0.000	413041	2.67	
16 Pyridine	79	4.259	4.248	0.011	584581	4.01	
17 Benzaldehyde	105	7.062	7.062	0.000	405570	2.66	
18 Phenol	94	7.115	7.115	0.000	747496	2.59	
19 Aniline	93	7.159	7.159	0.000	889810	2.68	
20 Bis(2-chloroethyl)ether	93	7.207	7.207	0.000	600195	2.61	
21 2-Chlorophenol	128	7.269	7.269	0.000	656798	2.69	
22 1,4-Dichlorobenzene	146	7.413	7.413	0.000	771660	2.56	
23 1,3-Dichlorobenzene	146	7.481	7.481	0.000	820115	2.62	
24 Benzyl alcohol	79	7.577	7.577	0.000	548295	3.58	
25 1,2-Dichlorobenzene	146	7.620	7.620	0.000	743088	3.55	
26 2-Methylphenol	108	7.663	7.663	0.000	573277	2.62	
27 2,2'-oxybis[1-chloropropane]	45	7.692	7.692	0.000	1070554	2.54	
28 3 & 4 Methylphenol	108	7.798	7.798	0.000	622197	2.71	
29 N-Nitrosodi-n-propylamine	70	7.813	7.813	0.000	451404	3.60	
30 Acetophenone	105	7.817	7.817	0.000	861134	2.61	
31 Hexachloroethane	117	7.928	7.928	0.000	283650	2.66	
32 Nitrobenzene	77	7.976	7.976	0.000	694132	2.71	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
33 Isophorone	82	8.178	8.178	0.000	1154048	2.66	
34 2-Nitrophenol	139	8.255	8.255	0.000	363115	3.02	
35 2,4-Dimethylphenol	107	8.260	8.260	0.000	651344	2.74	
36 Benzoic acid	105	8.317	8.317	0.000	269050	3.18	
37 Bis(2-chloroethoxy)methane	93	8.346	8.346	0.000	661890	2.66	
38 2,4-Dichlorophenol	162	8.457	8.457	0.000	530485	2.72	
39 1,2,4-Trichlorobenzene	180	8.534	8.534	0.000	614536	2.75	
40 Alpha-Terpineol	59	8.592	8.592	0.000	616980	2.75	
41 Naphthalene	128	8.611	8.611	0.000	1938351	2.65	
42 4-Chloroaniline	127	8.640	8.640	0.000	784789	2.70	
43 Hexachlorobutadiene	225	8.702	8.702	0.000	307910	2.67	
44 Caprolactam	55	8.928	8.928	0.000	268284	3.05	
45 4-Chloro-3-methylphenol	107	9.029	9.029	0.000	538031	2.92	
46 2-Methylnaphthalene	142	9.197	9.197	0.000	1328173	2.68	
47 1-Methylnaphthalene	142	9.284	9.284	0.000	1274339	2.65	
48 Hexachlorocyclopentadiene	237	9.327	9.327	0.000	217987	2.70	
49 1,2,4,5-Tetrachlorobenzene	216	9.342	9.342	0.000	518209	2.70	
50 2,4,6-Trichlorophenol	196	9.428	9.428	0.000	345063	2.79	
51 2,4,5-Trichlorophenol	196	9.462	9.462	0.000	365417	2.64	
52 1,1'-Biphenyl	154	9.587	9.587	0.000	1488376	2.64	
53 2-Chloronaphthalene	162	9.616	9.616	0.000	1455263	2.69	
54 Phenyl ether	170	9.669	9.669	0.000	783849	2.57	
68 4-Nitroaniline	138	9.688	9.688	0.000	394183	2.49	
56 Dimethyl phthalate	163	9.813	9.813	0.000	1296870	2.59	
57 2,6-Dinitrotoluene	165	9.876	9.876	0.000	299243	2.66	
58 Acenaphthylene	152	9.972	9.972	0.000	1897008	2.76	
59 3-Nitroaniline	138	10.029	10.029	0.000	293685	2.56	
60 2,4-Dinitrophenol	184	10.116	10.116	0.000	100769	3.16	
61 Acenaphthene	153	10.116	10.116	0.000	1256945	2.66	
62 4-Nitrophenol	109	10.135	10.135	0.000	172852	2.57	
63 2,4-Dinitrotoluene	165	10.222	10.222	0.000	392099	2.40	
64 Dibenzofuran	168	10.260	10.260	0.000	1617547	2.60	
65 2,3,4,6-Tetrachlorophenol	232	10.352	10.352	0.000	257210	2.40	
66 Diethyl phthalate	149	10.400	10.400	0.000	1327093	2.54	
67 4-Chlorophenyl phenyl ether	204	10.525	10.525	0.000	582043	2.53	
55 2-Nitroaniline	65	10.544	10.544	0.000	353094	2.47	M
69 Fluorene	166	10.549	10.549	0.000	1396181	2.66	
70 4,6-Dinitro-2-methylphenol	198	10.568	10.568	0.000	150800	2.88	
71 Diphenylamine	169	10.621	10.621	0.000	1135769	2.61	
72 N-Nitrosodiphenylamine	169	10.621	10.621	0.000	1135769	2.61	
73 1,2-Diphenylhydrazine	77	10.664	10.664	0.000	2166505	2.71	
74 Azobenzene	77	10.664	10.664	0.000	2166505	2.71	
13 Benzophenone	105	10.674	10.674	0.000	1296552	2.68	
75 4-Bromophenyl phenyl ether	248	10.943	10.943	0.000	313407	2.60	
76 Hexachlorobenzene	284	11.020	11.020	0.000	290601	2.51	
77 Atrazine	200	11.039	11.039	0.000	328313	2.65	
78 Pentachlorophenol	266	11.174	11.177	-0.003	141238	2.90	
79 Pentachloronitrobenzene	237	11.188	11.188	0.000	144520	2.38	
80 Phenanthrene	178	11.366	11.366	0.000	1782313	2.59	
81 Anthracene	178	11.410	11.410	0.000	1776167	2.75	
83 Carbazole	167	11.530	11.530	0.000	1459915	2.65	
84 Di-n-butyl phthalate	149	11.761	11.761	0.000	2133615	2.54	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
87 Fluoranthene	202	12.419	12.419	0.000	1577843	2.64	
86 Benzidine	184	12.520	12.519	0.001	190946	2.56	
85 Pyrene	202	12.669	12.669	0.000	1635597	2.55	
89 Butyl benzyl phthalate	149	13.391	13.391	0.000	811322	2.77	
91 3,3'-Dichlorobenzidine	252	14.372	14.372	0.000	326698	2.54	
92 Bis(2-ethylhexyl) phthalate	149	14.391	14.391	0.000	1114147	2.73	
93 Benzo[a]anthracene	228	14.463	14.463	0.000	1084879	2.71	
94 Chrysene	228	14.540	14.540	0.000	1016794	2.60	
95 Di-n-octyl phthalate	149	15.704	15.704	0.000	1643063	2.37	
97 Benzo[b]fluoranthene	252	16.324	16.324	0.000	948565	2.54	
98 Benzo[k]fluoranthene	252	16.367	16.367	0.000	903613	2.62	
99 Benzo[a]pyrene	252	16.834	16.834	0.000	760651	2.79	
100 Indeno[1,2,3-cd]pyrene	276	18.911	18.911	0.000	664691	2.77	
101 Dibenz(a,h)anthracene	278	18.940	18.940	0.000	533649	2.77	
102 Benzo[g,h,i]perylene	276	19.508	19.508	0.000	563322	2.85	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 29-Oct-2009 15:55:35 Chrom Revision: 1.1 26-Oct-2009 10:54:26

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10517.D

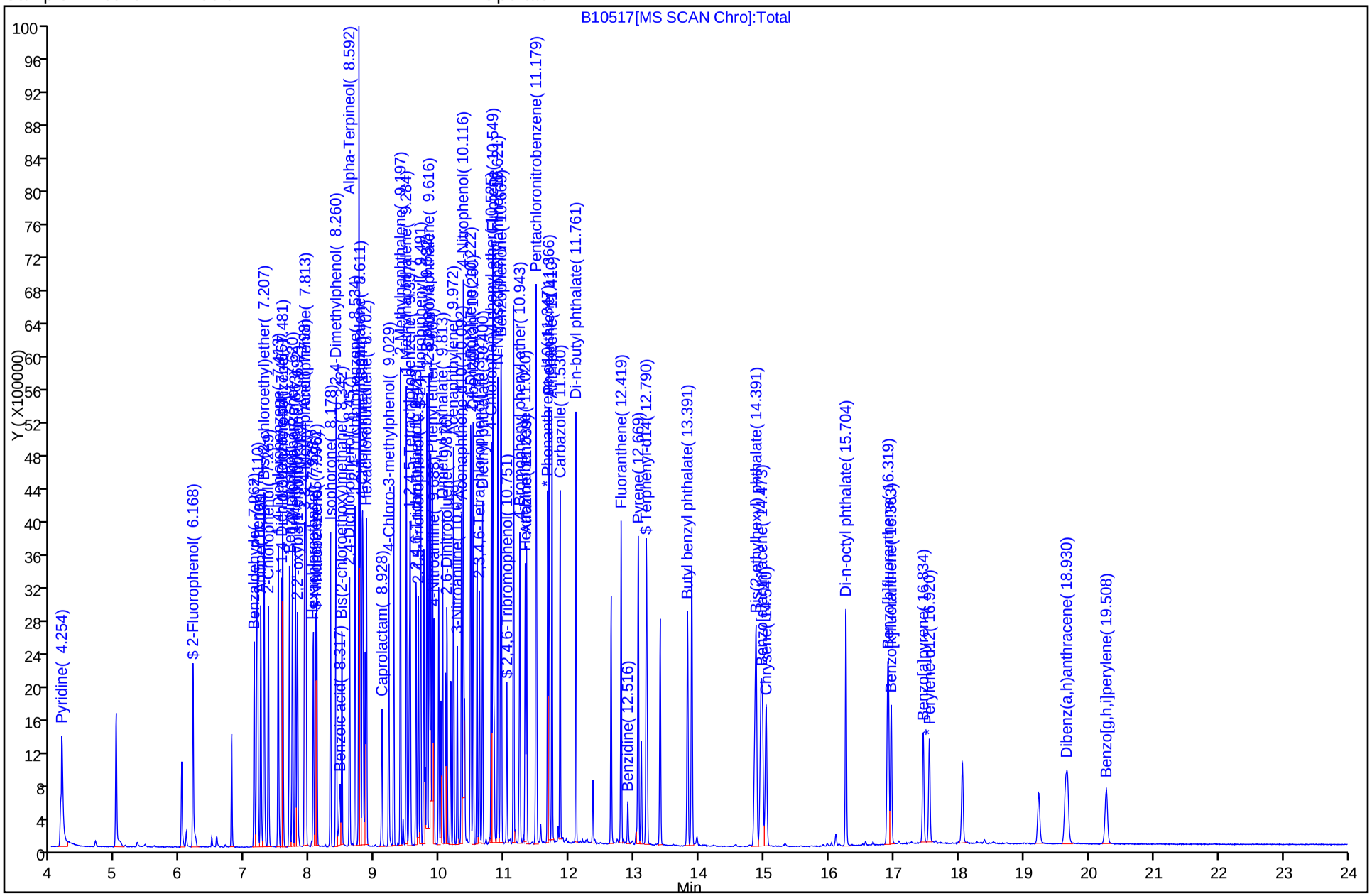
Inj Date: 23-Sep-2009 20:57:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49442 Lims Sample ID: 7

Client ID: Instrument: Inst. B

Sample Info: std25

Sample Amount: 1.00 ul Operator: MZ



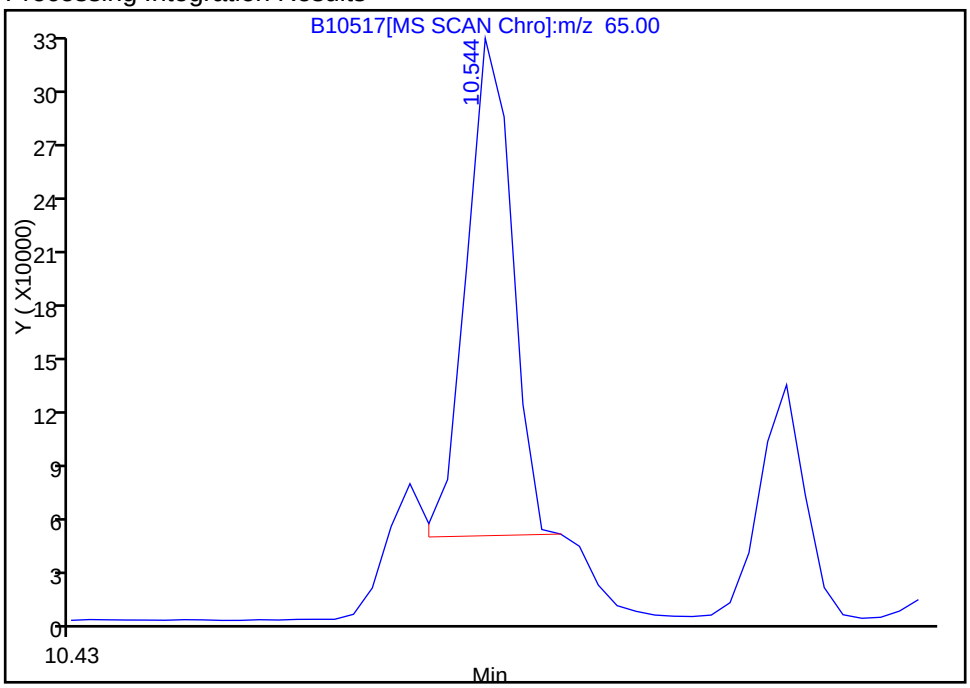
Chrom Revision: 1.1 26-Oct-2009 10:54:26
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10517.D		
Inj Date:	23-Sep-2009 20:57:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	7
Client ID:		Instrument:	Inst. B
Sample Info:	std25		
Sample Amount:	1.00 ul	Operator:	MZ

55 2-Nitroaniline, Number: 1, m/z: 65 Type: quant, RT: 10.54

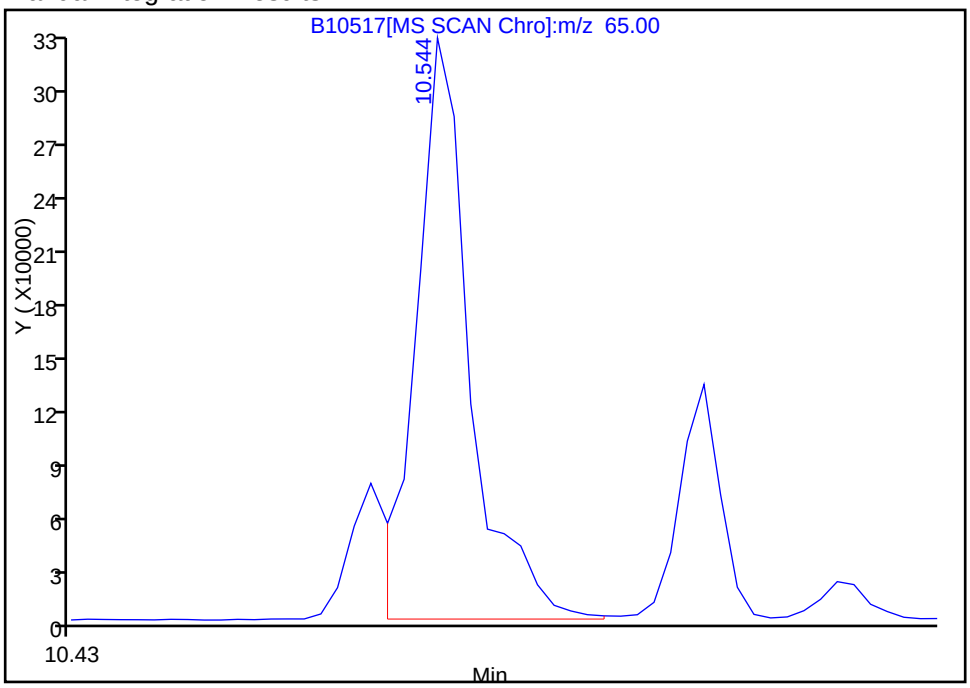
Processing Integration Results

RT: 10.54
Response: 223252
Amount: 2.362122



Manual Integration Results

RT: 10.54
Response: 353094
Amount: 2.466001



Reviewer: sullivanp, 25-Sep-2009 10:09:06
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10518.D		
Lims ID:	std8	Client ID:	
Inject. Date:	23-Sep-2009 21:29:30	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:	49442	Lims Sample ID:	8
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	30-Sep-2009 13:28:04	Calib Date:	23-Sep-2009 22:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WESWEIGEL		
Reviewed By:	sullivanp	Date:	25-Sep-2009 10:09:12
Reviewed By:	weigelb	Date:	29-Oct-2009 15:55:48

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.463	7.465	-0.002	449530	2.00	
* 2 Naphthalene-d8	136	8.594	8.595	-0.001	1169057	2.00	
* 3 Acenaphthene-d10	164	10.089	10.090	-0.001	391273	2.00	
* 4 Phenanthrene-d10	188	11.349	11.346	0.003	643911	2.00	
* 5 Chrysene-d12	240	14.484	14.481	0.003	438362	2.00	
* 6 Perylene-d12	264	16.918	16.919	-0.001	305397	2.00	
$ 7 2-Fluorophenol	112	6.165	6.166	-0.001	805188	7.05	
$ 8 Phenol-d5	99	7.103	7.099	0.004	1081183	7.05	
$ 9 Nitrobenzene-d5	82	7.964	7.960	0.004	1042498	6.99	
$ 10 2-Fluorobiphenyl	172	9.493	9.494	-0.001	2162438	8.58	
$ 11 2,4,6-Tribromophenol	330	10.753	10.754	-0.001	197491	8.00	
$ 12 Terphenyl-d14	244	12.792	12.788	0.004	1559588	8.49	
15 N-Nitrosodimethylamine	42	4.232	4.233	-0.001	583391	6.74	
16 Pyridine	79	4.242	4.248	-0.006	738951	8.06	M
17 Benzaldehyde	105	7.064	7.061	0.003	600673	7.03	
18 Phenol	94	7.112	7.114	-0.002	1115588	6.92	
19 Aniline	93	7.160	7.157	0.003	1322796	7.13	
20 Bis(2-chloroethyl)ether	93	7.209	7.210	-0.001	890348	6.93	
21 2-Chlorophenol	128	7.271	7.268	0.003	941648	6.89	
22 1,4-Dichlorobenzene	146	7.415	7.412	0.003	1148508	6.82	
23 1,3-Dichlorobenzene	146	7.478	7.479	-0.001	1184706	6.76	
24 Benzyl alcohol	79	7.579	7.575	0.004	818881	8.17	
25 1,2-Dichlorobenzene	146	7.622	7.624	-0.002	1078854	8.17	
26 2-Methylphenol	108	7.665	7.667	-0.002	865541	7.08	
27 2,2'-oxybis[1-chloropropane]	45	7.694	7.696	-0.002	1575859	6.68	
28 3 & 4 Methylphenol	108	7.800	7.797	0.003	911522	7.11	
29 N-Nitrosodi-n-propylamine	70	7.814	7.811	0.003	678094	8.13	
30 Acetophenone	105	7.819	7.821	-0.002	1310390	7.10	
31 Hexachloroethane	117	7.925	7.926	-0.001	417284	7.00	
32 Nitrobenzene	77	7.978	7.979	-0.001	1037505	8.18	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
33 Isophorone	82	8.180	8.177	0.003	1766462	8.21	
34 2-Nitrophenol	139	8.257	8.253	0.004	543945	7.87	
35 2,4-Dimethylphenol	107	8.262	8.263	-0.001	970591	8.20	
36 Benzoic acid	105	8.329	8.316	0.013	401797	7.51	
37 Bis(2-chloroethoxy)methane	93	8.343	8.345	-0.002	993056	8.04	
38 2,4-Dichlorophenol	162	8.459	8.455	0.004	792360	8.13	
39 1,2,4-Trichlorobenzene	180	8.536	8.537	-0.001	900982	8.14	
40 Alpha-Terpineol	59	8.594	8.595	-0.001	916166	8.22	
41 Naphthalene	128	8.613	8.614	-0.001	2850079	8.20	
42 4-Chloroaniline	127	8.642	8.643	-0.001	1181433	8.08	
43 Hexachlorobutadiene	225	8.704	8.705	-0.001	474428	8.32	
44 Caprolactam	55	8.940	8.927	0.013	416769	8.25	
45 4-Chloro-3-methylphenol	107	9.031	9.028	0.003	830393	7.83	
46 2-Methylnaphthalene	142	9.199	9.196	0.003	1977411	8.21	
47 1-Methylnaphthalene	142	9.286	9.287	-0.001	1920968	8.20	
48 Hexachlorocyclopentadiene	237	9.329	9.326	0.003	307962	6.97	
49 1,2,4,5-Tetrachlorobenzene	216	9.339	9.340	-0.001	781316	8.22	
50 2,4,6-Trichlorophenol	196	9.425	9.427	-0.002	535975	9.12	
51 2,4,5-Trichlorophenol	196	9.464	9.460	0.004	573034	8.63	
52 1,1'-Biphenyl	154	9.584	9.585	-0.001	2300561	8.60	
53 2-Chloronaphthalene	162	9.618	9.619	-0.001	2229615	8.69	
54 Phenyl ether	170	9.666	9.667	-0.001	1239626	8.25	
68 4-Nitroaniline	138	9.690	9.686	0.004	629782	8.21	
56 Dimethyl phthalate	163	9.815	9.816	-0.001	2056283	8.66	
57 2,6-Dinitrotoluene	165	9.882	9.879	0.003	475227	8.89	
58 Acenaphthylene	152	9.974	9.975	-0.001	2916977	8.95	
59 3-Nitroaniline	138	10.031	10.028	0.003	473869	8.62	
60 2,4-Dinitrophenol	184	10.118	10.114	0.004	160606	7.90	
61 Acenaphthene	153	10.118	10.119	-0.001	1969021	8.76	
62 4-Nitrophenol	109	10.137	10.139	-0.001	275507	8.24	
63 2,4-Dinitrotoluene	165	10.224	10.220	0.004	653574	8.17	
64 Dibenzofuran	168	10.262	10.259	0.003	2545756	8.63	
65 2,3,4,6-Tetrachlorophenol	232	10.354	10.355	-0.001	430189	8.20	
66 Diethyl phthalate	149	10.402	10.398	0.004	2122002	8.54	
67 4-Chlorophenyl phenyl ether	204	10.527	10.528	-0.001	943560	8.65	
55 2-Nitroaniline	65	10.546	10.547	-0.001	528091	7.58	
69 Fluorene	166	10.551	10.552	-0.001	2213015	8.89	
70 4,6-Dinitro-2-methylphenol	198	10.570	10.566	0.004	244654	8.04	
71 Diphenylamine	169	10.623	10.619	0.004	1820056	8.79	
72 N-Nitrosodiphenylamine	169	10.623	10.619	0.004	1820056	8.79	
73 1,2-Diphenylhydrazine	77	10.661	10.663	-0.002	3457147	9.07	
74 Azobenzene	77	10.661	10.663	-0.002	3457147	9.07	
13 Benzophenone	105	10.676	10.672	0.004	2097252	9.11	
75 4-Bromophenyl phenyl ether	248	10.945	10.942	0.003	501448	8.73	
76 Hexachlorobenzene	284	11.022	11.023	-0.001	463361	8.43	
77 Atrazine	200	11.041	11.043	-0.002	531316	9.03	
78 Pentachlorophenol	266	11.176	11.177	-0.001	250912	8.20	
79 Pentachloronitrobenzene	237	11.190	11.187	0.003	245614	8.30	
80 Phenanthrene	178	11.368	11.370	-0.002	2798480	8.56	
81 Anthracene	178	11.411	11.413	-0.002	2781733	9.05	
83 Carbazole	167	11.532	11.528	0.004	2181097	8.32	
84 Di-n-butyl phthalate	149	11.763	11.764	-0.002	3390577	8.48	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
87 Fluoranthene	202	12.421	12.423	-0.002	2508038	8.84	
86 Benzidine	184	12.517	12.519	-0.002	502278	8.18	
85 Pyrene	202	12.671	12.673	-0.002	2583121	8.38	
89 Butyl benzyl phthalate	149	13.393	13.389	0.004	1337145	9.50	
91 3,3'-Dichlorobenzidine	252	14.374	14.370	0.004	502536	7.91	
92 Bis(2-ethylhexyl) phthalate	149	14.393	14.394	-0.001	1855805	9.46	
93 Benzo[a]anthracene	228	14.465	14.462	0.003	1669154	8.68	
94 Chrysene	228	14.542	14.539	0.003	1551871	8.26	
95 Di-n-octyl phthalate	149	15.701	15.702	-0.001	2751361	8.29	
97 Benzo[b]fluoranthene	252	16.331	16.323	0.008	1474137	8.56	
98 Benzo[k]fluoranthene	252	16.365	16.366	-0.001	1432270	9.04	
99 Benzo[a]pyrene	252	16.836	16.832	0.004	1162897	9.27	
100 Indeno[1,2,3-cd]pyrene	276	18.918	18.915	0.003	972823	8.72	
101 Dibenz(a,h)anthracene	278	18.942	18.939	0.003	770491	8.57	
102 Benzo[g,h,i]perylene	276	19.509	19.506	0.003	815132	8.97	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 29-Oct-2009 15:55:49 Chrom Revision: 1.1 26-Oct-2009 10:54:26

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10518.D

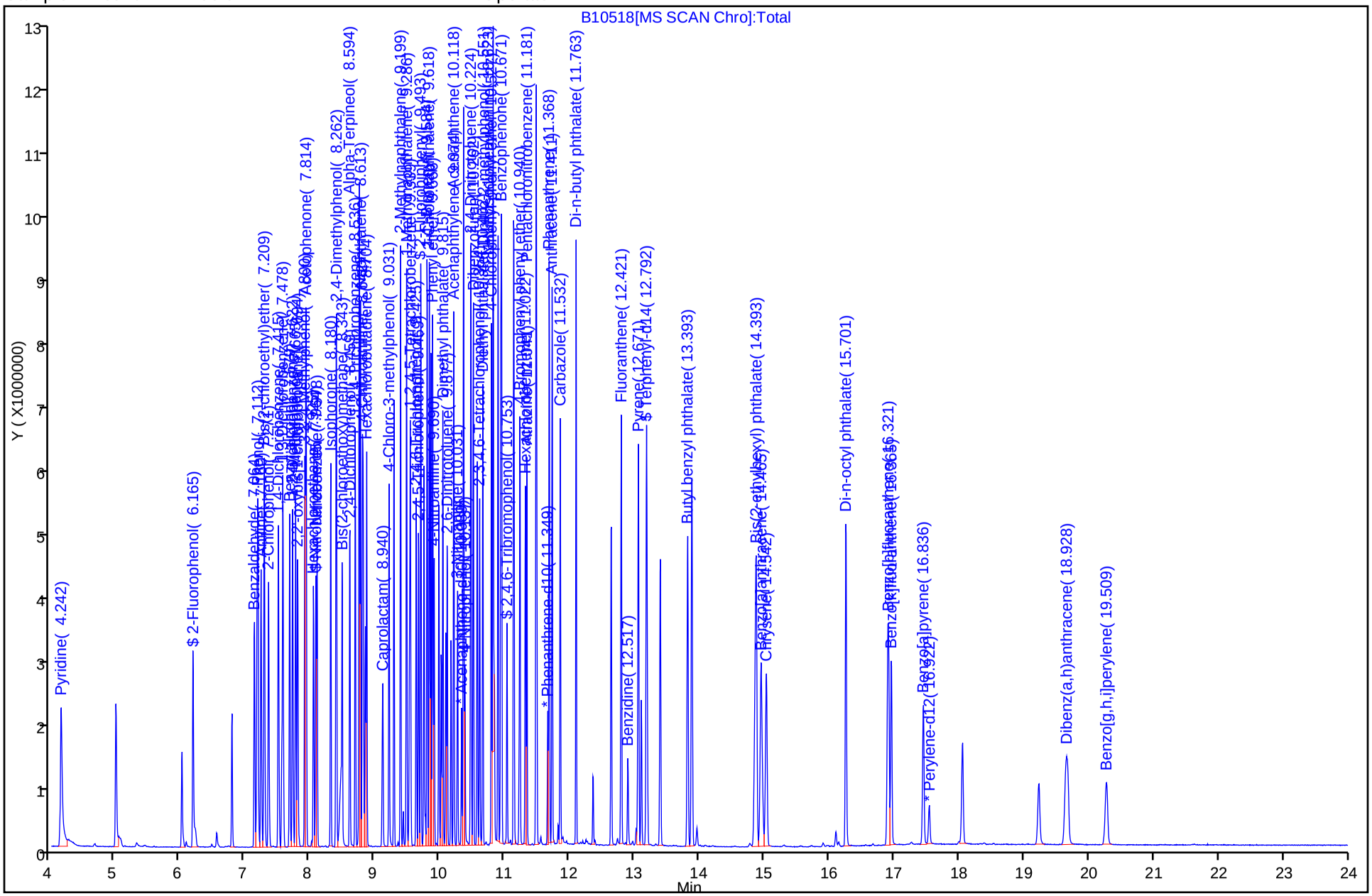
Inj Date: 23-Sep-2009 21:29:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49442 Lims Sample ID: 8

Client ID: Instrument: Inst. B

Sample Info: std8

Sample Amount: 1.00 ul Operator: MZ



Chrom Revision: 1.1 26-Oct-2009 10:54:26

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10518.D		
Inj Date:	23-Sep-2009 21:29:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	8
Client ID:		Instrument:	Inst. B
Sample Info:	std8		
Sample Amount:	1.00 ul	Operator:	MZ

16 Pyridine, Number: 1, m/z: 79 Type: quant, RT: 4.25

Processing Integration Results

Not Detected

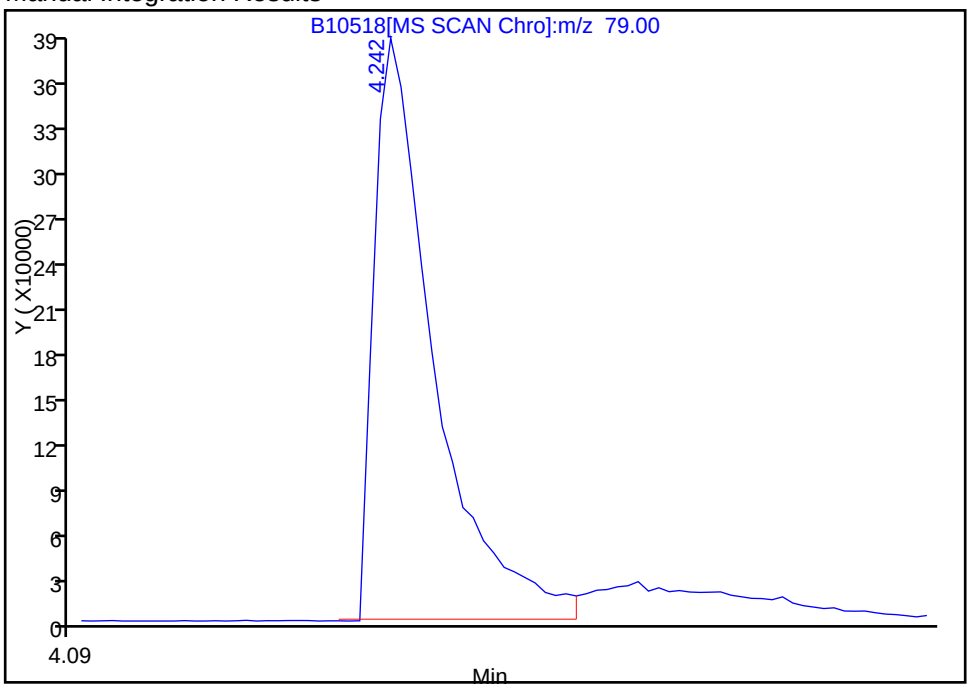
Expected RT: 4.25

Manual Integration Results

RT: 4.24

Response: 738951

Amount: 8.058774



Reviewer: sullivanp, 25-Sep-2009 10:09:12

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10519.D		
Lims ID:	std10	Client ID:	
Inject. Date:	23-Sep-2009 22:01:30	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:	49442	Lims Sample ID:	9
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	30-Sep-2009 13:28:04	Calib Date:	23-Sep-2009 22:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WESWEIGEL		
Reviewed By:	sullivanp	Date:	25-Sep-2009 10:09:18
Reviewed By:	weigelb	Date:	29-Oct-2009 15:56:01

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.466	7.465	0.001	504257	2.00	
* 2 Naphthalene-d8	136	8.596	8.595	0.001	1317722	2.00	
* 3 Acenaphthene-d10	164	10.092	10.090	0.002	422451	2.00	
* 4 Phenanthrene-d10	188	11.347	11.346	0.001	698685	2.00	
* 5 Chrysene-d12	240	14.487	14.481	0.006	505875	2.00	
* 6 Perylene-d12	264	16.920	16.919	0.001	349170	2.00	
$ 7 2-Fluorophenol	112	6.168	6.166	0.002	1053727	8.23	
$ 8 Phenol-d5	99	7.105	7.099	0.006	1405792	8.17	
$ 9 Nitrobenzene-d5	82	7.961	7.960	0.001	1361841	8.10	
$ 10 2-Fluorobiphenyl	172	9.495	9.494	0.001	2792045	10.3	
$ 11 2,4,6-Tribromophenol	330	10.755	10.754	0.001	260742	9.72	
$ 12 Terphenyl-d14	244	12.789	12.788	0.001	2069872	9.76	
15 N-Nitrosodimethylamine	42	4.239	4.233	0.006	746082	7.69	
16 Pyridine	79	4.244	4.248	-0.004	995250	9.26	
17 Benzaldehyde	105	7.062	7.061	0.001	777443	8.12	
18 Phenol	94	7.115	7.114	0.001	1458462	8.07	
19 Aniline	93	7.163	7.157	0.006	1725637	8.29	
20 Bis(2-chloroethyl)ether	93	7.211	7.210	0.001	1151892	7.99	
21 2-Chlorophenol	128	7.274	7.268	0.006	1225953	7.99	
22 1,4-Dichlorobenzene	146	7.413	7.412	0.001	1479011	7.83	
23 1,3-Dichlorobenzene	146	7.481	7.479	0.002	1536740	7.82	
24 Benzyl alcohol	79	7.582	7.575	0.007	1074227	9.17	
25 1,2-Dichlorobenzene	146	7.620	7.624	-0.004	1402879	9.15	
26 2-Methylphenol	108	7.668	7.667	0.001	1108628	8.09	
27 2,2'-oxybis[1-chloropropane]	45	7.697	7.696	0.001	2013818	7.61	
28 3 & 4 Methylphenol	108	7.803	7.797	0.006	1208115	8.40	
29 N-Nitrosodi-n-propylamine	70	7.817	7.811	0.006	906264	9.23	
30 Acetophenone	105	7.822	7.821	0.001	1728826	8.36	
31 Hexachloroethane	117	7.928	7.926	0.002	549608	8.22	
32 Nitrobenzene	77	7.981	7.979	0.002	1340926	9.80	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
33 Isophorone	82	8.178	8.177	0.001	2268714	9.80	
34 2-Nitrophenol	139	8.255	8.253	0.002	708111	9.09	
35 2,4-Dimethylphenol	107	8.264	8.263	0.001	1235544	9.62	
36 Benzoic acid	105	8.341	8.316	0.025	667061	11.0	
37 Bis(2-chloroethoxy)methane	93	8.346	8.345	0.001	1314156	9.94	
38 2,4-Dichlorophenol	162	8.457	8.455	0.002	1029755	9.80	
39 1,2,4-Trichlorobenzene	180	8.539	8.537	0.001	1175552	9.89	
40 Alpha-Terpineol	59	8.596	8.595	0.001	1179694	9.83	
41 Naphthalene	128	8.615	8.614	0.001	3629789	9.84	
42 4-Chloroaniline	127	8.644	8.643	0.001	1551379	9.87	
43 Hexachlorobutadiene	225	8.707	8.705	0.002	605804	9.81	
44 Caprolactam	55	8.942	8.927	0.015	547988	9.63	
45 4-Chloro-3-methylphenol	107	9.034	9.028	0.006	1085689	9.08	
46 2-Methylnaphthalene	142	9.202	9.196	0.006	2541644	9.87	
47 1-Methylnaphthalene	142	9.289	9.287	0.002	2483865	9.92	
48 Hexachlorocyclopentadiene	237	9.327	9.326	0.001	448992	9.22	
49 1,2,4,5-Tetrachlorobenzene	216	9.342	9.340	0.002	1002918	9.75	
50 2,4,6-Trichlorophenol	196	9.428	9.427	0.001	708600	11.2	
51 2,4,5-Trichlorophenol	196	9.462	9.460	0.002	750621	10.5	
52 1,1'-Biphenyl	154	9.587	9.585	0.002	2935145	10.2	
53 2-Chloronaphthalene	162	9.620	9.619	0.001	2750042	9.93	
54 Phenyl ether	170	9.669	9.667	0.002	1600384	9.90	
68 4-Nitroaniline	138	9.693	9.686	0.007	817766	9.86	
56 Dimethyl phthalate	163	9.818	9.816	0.002	2635161	10.3	
57 2,6-Dinitrotoluene	165	9.880	9.879	0.001	624815	10.8	
58 Acenaphthylene	152	9.976	9.975	0.001	3721581	10.6	
59 3-Nitroaniline	138	10.034	10.028	0.006	616551	10.4	
60 2,4-Dinitrophenol	184	10.116	10.114	0.002	249433	10.3	
61 Acenaphthene	153	10.121	10.119	0.002	2518961	10.4	
62 4-Nitrophenol	109	10.140	10.139	0.002	375412	10.4	
63 2,4-Dinitrotoluene	165	10.226	10.220	0.006	855381	9.88	
64 Dibenzofuran	168	10.265	10.259	0.006	3270415	10.3	
65 2,3,4,6-Tetrachlorophenol	232	10.356	10.355	0.001	562437	9.91	
66 Diethyl phthalate	149	10.400	10.398	0.002	2733386	10.2	
67 4-Chlorophenyl phenyl ether	204	10.529	10.528	0.001	1232446	10.5	
55 2-Nitroaniline	65	10.549	10.547	0.002	759521	10.1	
69 Fluorene	166	10.553	10.552	0.001	2850489	10.6	
70 4,6-Dinitro-2-methylphenol	198	10.573	10.566	0.007	352816	10.1	
71 Diphenylamine	169	10.626	10.619	0.007	2383607	10.6	
72 N-Nitrosodiphenylamine	169	10.626	10.619	0.007	2383607	10.6	
73 1,2-Diphenylhydrazine	77	10.664	10.663	0.001	4488256	10.9	
74 Azobenzene	77	10.664	10.663	0.001	4488256	10.9	
13 Benzophenone	105	10.674	10.672	0.002	2741079	11.0	
75 4-Bromophenyl phenyl ether	248	10.943	10.942	0.001	656463	10.5	
76 Hexachlorobenzene	284	11.025	11.023	0.002	603211	10.1	
77 Atrazine	200	11.044	11.043	0.001	689073	10.8	
78 Pentachlorophenol	266	11.179	11.177	0.002	353752	10.1	
79 Pentachloronitrobenzene	237	11.188	11.187	0.001	320075	9.96	
80 Phenanthrene	178	11.371	11.370	0.001	3637305	10.3	
81 Anthracene	178	11.414	11.413	0.001	3615608	10.8	
83 Carbazole	167	11.534	11.528	0.006	2867333	10.1	
84 Di-n-butyl phthalate	149	11.765	11.764	0.001	4292064	9.89	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
87 Fluoranthene	202	12.424	12.423	0.001	3270909	10.6	
86 Benzidine	184	12.520	12.519	0.001	756587	10.1	
85 Pyrene	202	12.674	12.673	0.001	3463857	9.73	
89 Butyl benzyl phthalate	149	13.395	13.389	0.006	1783832	11.0	
91 3,3'-Dichlorobenzidine	252	14.376	14.370	0.006	716315	9.74	
92 Bis(2-ethylhexyl) phthalate	149	14.396	14.394	0.002	2519398	11.1	
93 Benzo[a]anthracene	228	14.468	14.462	0.006	2288092	10.3	
94 Chrysene	228	14.545	14.539	0.006	2127348	9.82	
95 Di-n-octyl phthalate	149	15.704	15.702	0.002	3823045	10.1	
97 Benzo[b]fluoranthene	252	16.334	16.323	0.011	2028591	10.3	
98 Benzo[k]fluoranthene	252	16.367	16.366	0.001	1934333	10.7	
99 Benzo[a]pyrene	252	16.839	16.832	0.006	1615348	11.3	
100 Indeno[1,2,3-cd]pyrene	276	18.916	18.915	0.001	1405253	11.0	
101 Dibenz(a,h)anthracene	278	18.945	18.939	0.006	1124851	10.9	
102 Benzo[g,h,i]perylene	276	19.517	19.506	0.011	1156042	11.1	

Report Date: 29-Oct-2009 15:56:01 Chrom Revision: 1.1 26-Oct-2009 10:54:26

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10519.D

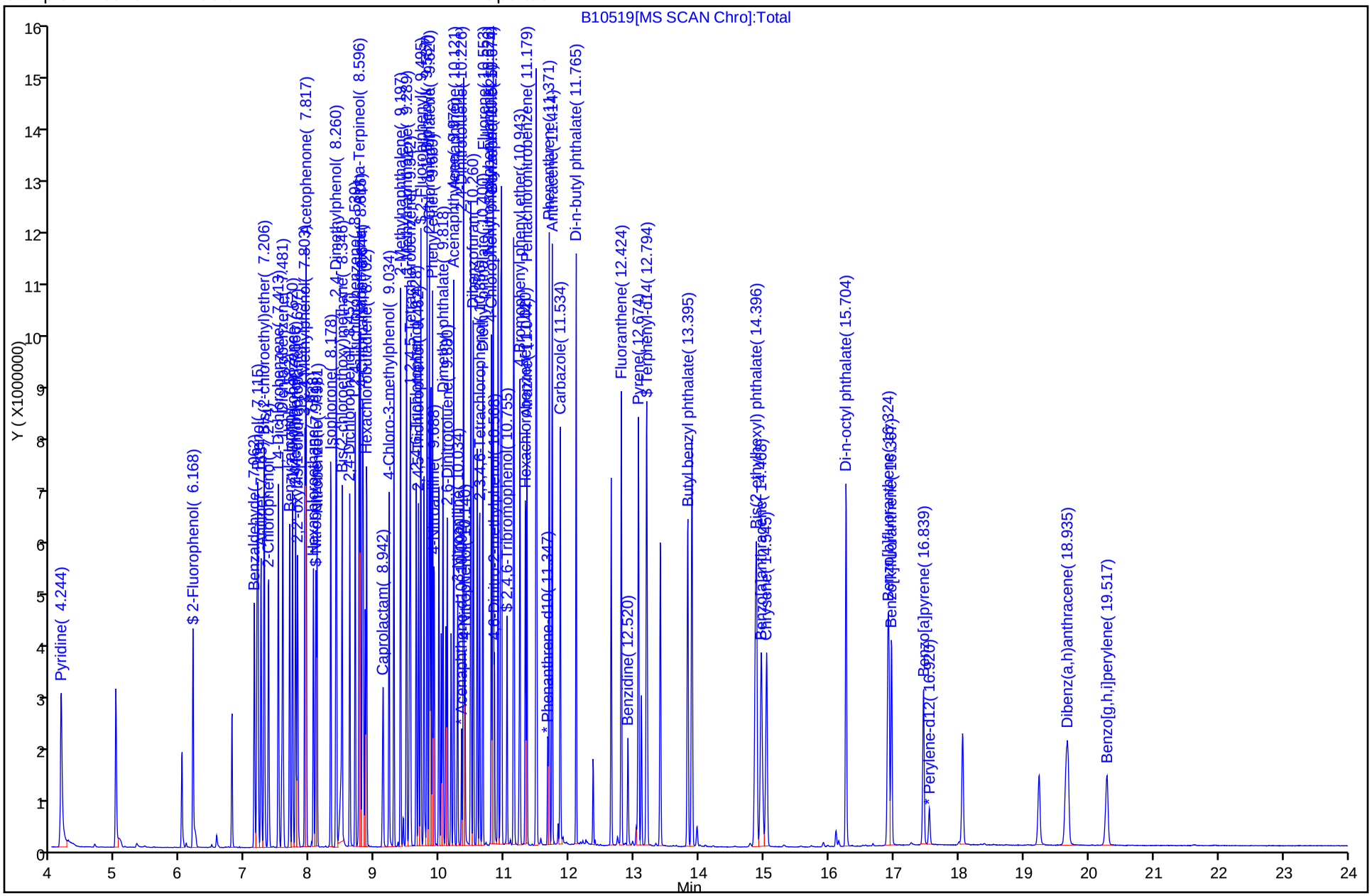
Inj Date: 23-Sep-2009 22:01:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49442 Lims Sample ID: 9

Client ID: Instrument: Inst. B

Sample Info: std10

Sample Amount: 1.00 ul Operator: MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Lims ID:	std20	Client ID:	
Inject. Date:	23-Sep-2009 22:32:30	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:	49442	Lims Sample ID:	10
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	30-Sep-2009 13:28:04	Calib Date:	23-Sep-2009 22:01:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10519.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WESWEIGEL		
Reviewed By:	sullivanp	Date:	25-Sep-2009 10:09:28
Reviewed By:	MatthewsT	Date:	25-Sep-2009 10:21:53
Reviewed By:	MatthewsT	Date:	25-Sep-2009 10:54:39
Reviewed By:	weigelb	Date:	29-Oct-2009 15:56:12

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.467	7.465	0.002	343254	2.00	
* 2 Naphthalene-d8	136	8.602	8.595	0.007	1934462	2.00	
* 3 Acenaphthene-d10	164	10.093	10.090	0.003	445239	2.00	
* 4 Phenanthrene-d10	188	11.352	11.346	0.006	740149	2.00	
* 5 Chrysene-d12	240	14.497	14.481	0.016	605313	2.00	
* 6 Perylene-d12	264	16.926	16.919	0.007	379931	2.00	
$ 7 2-Fluorophenol	112	6.173	6.166	0.007	2451150	28.1	
$ 8 Phenol-d5	99	7.111	7.099	0.012	3037505	25.9	
$ 9 Nitrobenzene-d5	82	7.967	7.960	0.007	2925694	11.8	
$ 10 2-Fluorobiphenyl	172	9.501	9.494	0.007	5439730	19.0	
$ 11 2,4,6-Tribromophenol	330	10.761	10.754	0.007	612722	21.4	
$ 12 Terphenyl-d14	244	12.795	12.788	0.007	4754083	18.7	
15 N-Nitrosodimethylamine	42	4.250	4.233	0.017	1621496	24.5	5
16 Pyridine	79	4.250	4.248	0.002	2118685	20.1	5
17 Benzaldehyde	105	7.068	7.061	0.007	1608415	24.7	5
18 Phenol	94	7.125	7.114	0.011	3140110	25.5	5
19 Aniline	93	7.169	7.157	0.012	3708452	26.2	5
20 Bis(2-chloroethyl)ether	93	7.217	7.210	0.007	2479631	25.3	5
21 2-Chlorophenol	128	7.275	7.268	0.007	2666881	25.5	5
22 1,4-Dichlorobenzene	146	7.419	7.412	0.007	3135492	24.4	5
23 1,3-Dichlorobenzene	146	7.481	7.479	0.002	3258718	24.4	5
24 Benzyl alcohol	79	7.587	7.575	0.012	2352510	20.1	5
25 1,2-Dichlorobenzene	146	7.626	7.624	0.002	3000695	20.1	5
26 2-Methylphenol	108	7.674	7.667	0.007	2457800	26.3	5
27 2,2'-oxybis[1-chloropropane]	45	7.698	7.696	0.002	4148441	23.0	5
28 3 & 4 Methylphenol	108	7.808	7.797	0.011	2617171	26.7	5
29 N-Nitrosodi-n-propylamine	70	7.823	7.811	0.012	2024758	20.1	5
30 Acetophenone	105	7.828	7.821	0.007	3723900	26.4	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
31 Hexachloroethane	117	7.929	7.926	0.003	1207450	26.5	5
32 Nitrobenzene	77	7.986	7.979	0.007	2894284	20.1	5
33 Isophorone	82	8.188	8.177	0.011	4727137	20.1	5
34 2-Nitrophenol	139	8.260	8.253	0.007	1569989	13.7	
35 2,4-Dimethylphenol	107	8.270	8.263	0.007	2746892	20.2	5
36 Benzoic acid	105	8.376	8.316	0.060	1747014	19.9	M
37 Bis(2-chloroethoxy)methane	93	8.352	8.345	0.007	2820197	20.0	5
38 2,4-Dichlorophenol	162	8.462	8.455	0.007	2242500	20.1	5
39 1,2,4-Trichlorobenzene	180	8.539	8.537	0.002	2503013	20.1	5
40 Alpha-Terpineol	59	8.602	8.595	0.007	2482516	20.1	5
41 Naphthalene	128	8.616	8.614	0.002	6725202	16.7	
42 4-Chloroaniline	127	8.650	8.643	0.007	3364367	20.1	5
43 Hexachlorobutadiene	225	8.708	8.705	0.003	1325094	20.0	5
44 Caprolactam	55	8.972	8.927	0.045	1194298	14.3	
45 4-Chloro-3-methylphenol	107	9.039	9.028	0.011	2385216	13.6	
46 2-Methylnaphthalene	142	9.203	9.196	0.007	5087873	20.3	5
47 1-Methylnaphthalene	142	9.289	9.287	0.002	5036854	20.0	5
48 Hexachlorocyclopentadiene	237	9.333	9.326	0.007	1111512	20.9	5
49 1,2,4,5-Tetrachlorobenzene	216	9.342	9.340	0.002	2199963	20.1	5
50 2,4,6-Trichlorophenol	196	9.434	9.427	0.007	1542701	23.1	5
51 2,4,5-Trichlorophenol	196	9.467	9.460	0.007	1647406	21.8	5
52 1,1'-Biphenyl	154	9.592	9.585	0.007	5658459	18.6	
53 2-Chloronaphthalene	162	9.626	9.619	0.007	5743175	19.7	
54 Phenyl ether	170	9.669	9.667	0.002	3386724	20.0	
68 4-Nitroaniline	138	9.698	9.686	0.012	1814043	20.7	5
56 Dimethyl phthalate	163	9.828	9.816	0.012	5445255	20.2	5
57 2,6-Dinitrotoluene	165	9.891	9.879	0.012	1374843	22.6	5
58 Acenaphthylene	152	9.982	9.975	0.007	6776454	18.3	
59 3-Nitroaniline	138	10.040	10.028	0.012	1376837	22.0	5
60 2,4-Dinitrophenol	184	10.126	10.114	0.012	696224	20.0	
61 Acenaphthene	153	10.126	10.119	0.007	5051700	19.8	
62 4-Nitrophenol	109	10.150	10.139	0.012	864177	22.4	5
63 2,4-Dinitrotoluene	165	10.232	10.220	0.012	1921648	20.9	5
64 Dibenzofuran	168	10.266	10.259	0.007	6185250	18.4	
65 2,3,4,6-Tetrachlorophenol	232	10.362	10.355	0.007	1260895	21.0	5
66 Diethyl phthalate	149	10.405	10.398	0.007	5521219	19.5	
67 4-Chlorophenyl phenyl ether	204	10.530	10.528	0.002	2667172	21.5	5
55 2-Nitroaniline	65	10.564	10.547	0.017	1695699	21.2	5
69 Fluorene	166	10.554	10.552	0.002	5537865	19.5	
70 4,6-Dinitro-2-methylphenol	198	10.578	10.566	0.012	918076	20.0	
71 Diphenylamine	169	10.631	10.619	0.012	4852443	20.4	5
72 N-Nitrosodiphenylamine	169	10.631	10.619	0.012	4852443	20.4	5
73 1,2-Diphenylhydrazine	77	10.670	10.663	0.007	8730681	19.9	
74 Azobenzene	77	10.670	10.663	0.007	8730681	19.9	
13 Benzophenone	105	10.679	10.672	0.007	5635595	21.3	5
75 4-Bromophenyl phenyl ether	248	10.948	10.942	0.006	1446913	21.9	5
76 Hexachlorobenzene	284	11.025	11.023	0.002	1363634	21.6	5
77 Atrazine	200	11.054	11.043	0.011	1496961	22.1	5
78 Pentachlorophenol	266	11.184	11.177	0.007	945332	20.0	
79 Pentachloronitrobenzene	237	11.194	11.187	0.007	711718	20.8	5
80 Phenanthrene	178	11.376	11.370	0.006	6787770	18.1	
81 Anthracene	178	11.420	11.413	0.007	6754098	19.1	

Report Date: 29-Oct-2009 15:56:12 Chrom Revision: 1.1 26-Oct-2009 10:54:26
Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.535	11.528	0.007	5867517	19.5	
84 Di-n-butyl phthalate	149	11.766	11.764	0.002	7294667	15.9	
87 Fluoranthene	202	12.430	12.423	0.007	6886157	21.1	5
86 Benzidine	184	12.526	12.519	0.007	2475708	20.0	
85 Pyrene	202	12.680	12.673	0.007	7239678	17.0	
89 Butyl benzyl phthalate	149	13.401	13.389	0.012	4138100	21.3	5
91 3,3'-Dichlorobenzidine	252	14.387	14.370	0.017	1883788	21.3	5
92 Bis(2-ethylhexyl) phthalate	149	14.401	14.394	0.007	6032851	22.3	5
93 Benzo[a]anthracene	228	14.478	14.462	0.016	5573957	21.0	5
94 Chrysene	228	14.560	14.539	0.021	5180096	20.0	5
95 Di-n-octyl phthalate	149	15.709	15.702	0.007	8570188	20.6	5
97 Benzo[b]fluoranthene	252	16.344	16.323	0.021	5004142	23.4	5
98 Benzo[k]fluoranthene	252	16.382	16.366	0.016	4430872	22.5	5
99 Benzo[a]pyrene	252	16.849	16.832	0.017	3685745	23.6	5
100 Indeno[1,2,3-cd]pyrene	276	18.931	18.915	0.016	2573737	18.5	
101 Dibenz(a,h)anthracene	278	18.960	18.939	0.021	2113309	18.8	
102 Benzo[g,h,i]perylene	276	19.527	19.506	0.021	2013647	17.8	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 29-Oct-2009 15:56:12 Chrom Revision: 1.1 26-Oct-2009 10:54:26

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D

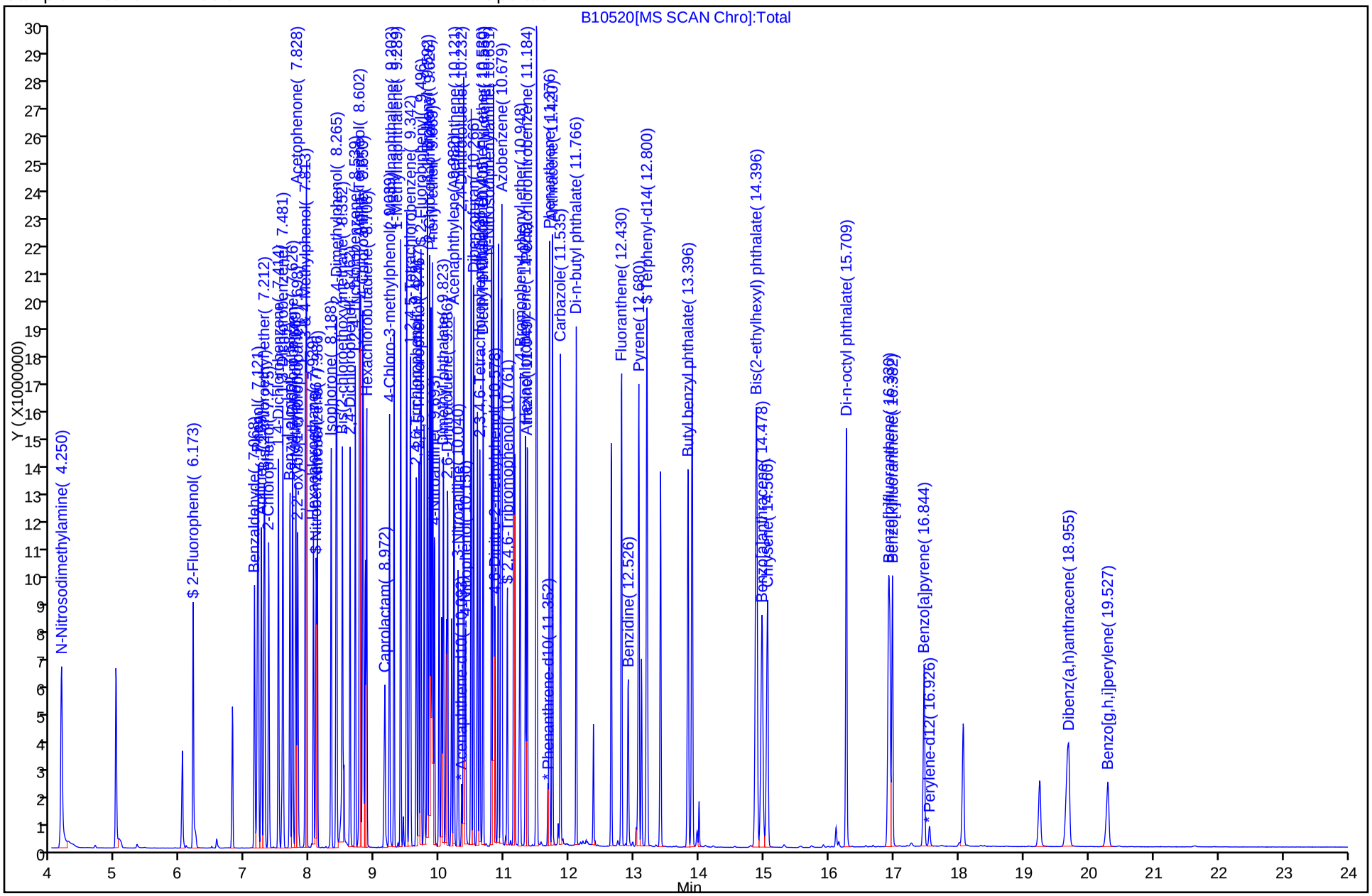
Inj Date: 23-Sep-2009 22:32:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49442 Lims Sample ID: 10

Client ID: Instrument: Inst. B

Sample Info: std20

Sample Amount: 1.00 ul Operator: MZ

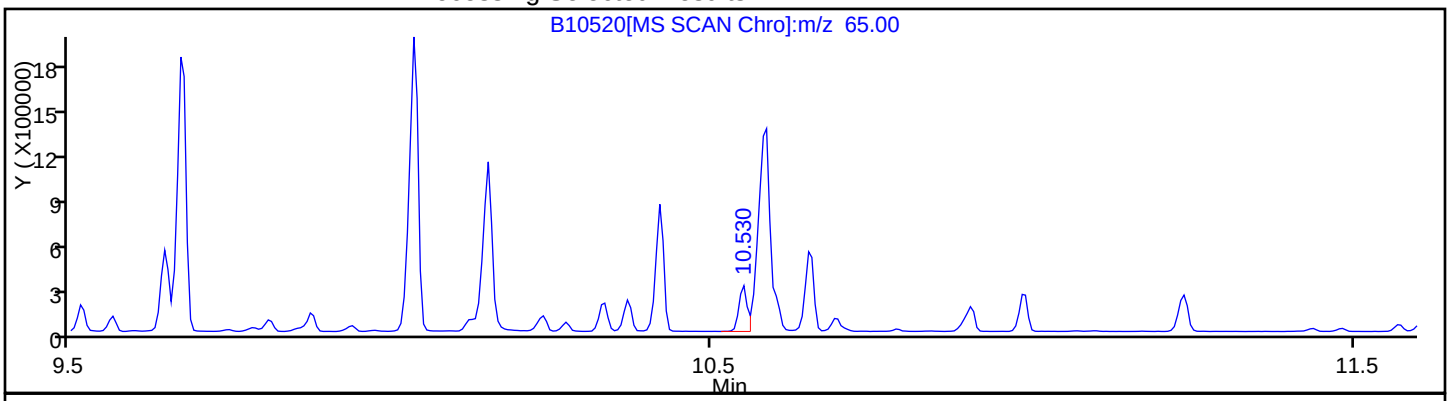


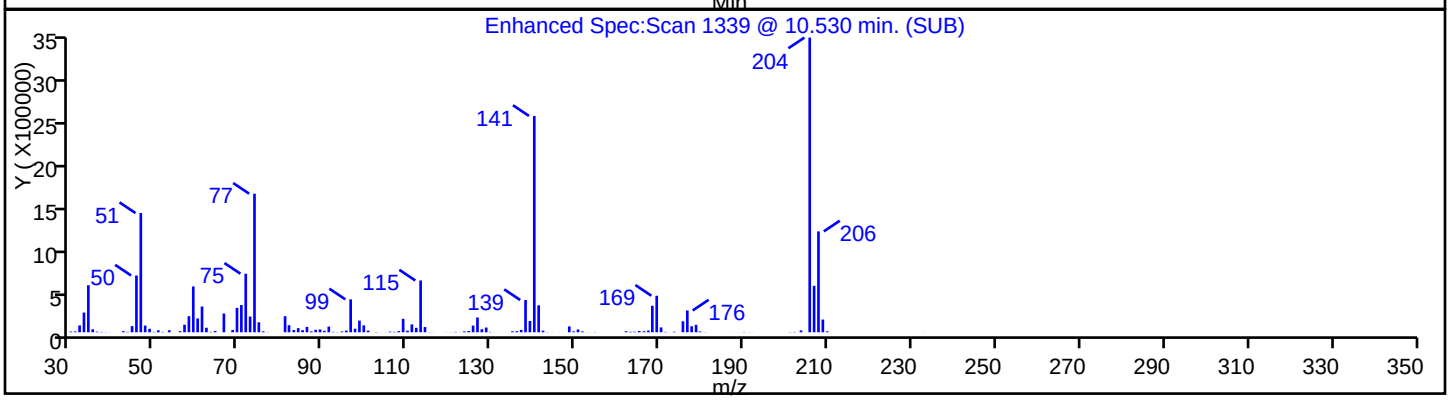
Chrom Revision: 1.1 26-Oct-2009 10:54:26
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Inj Date:	23-Sep-2009 22:32:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	1.00 ul	Operator:	MZ

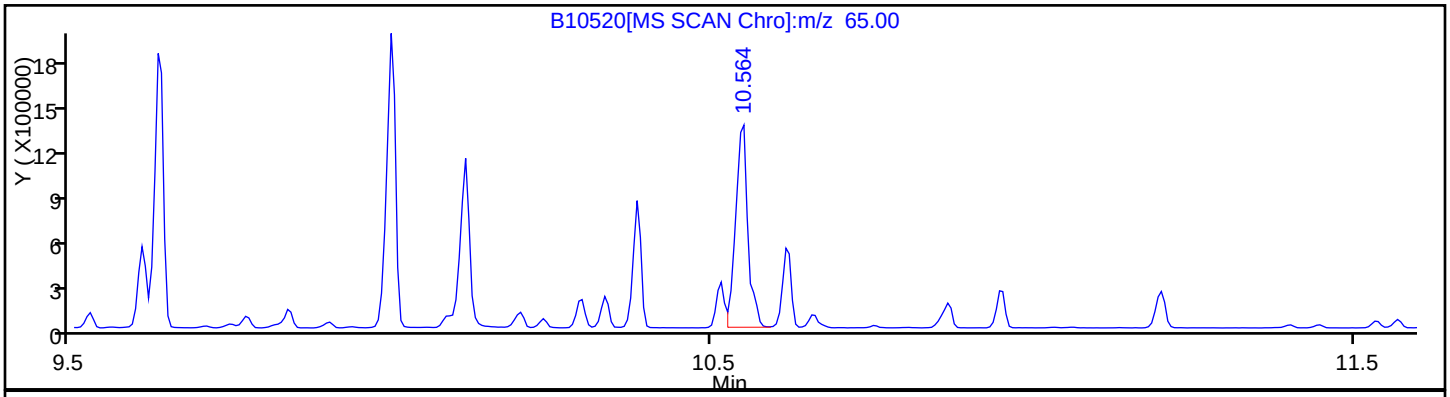
55 2-Nitroaniline

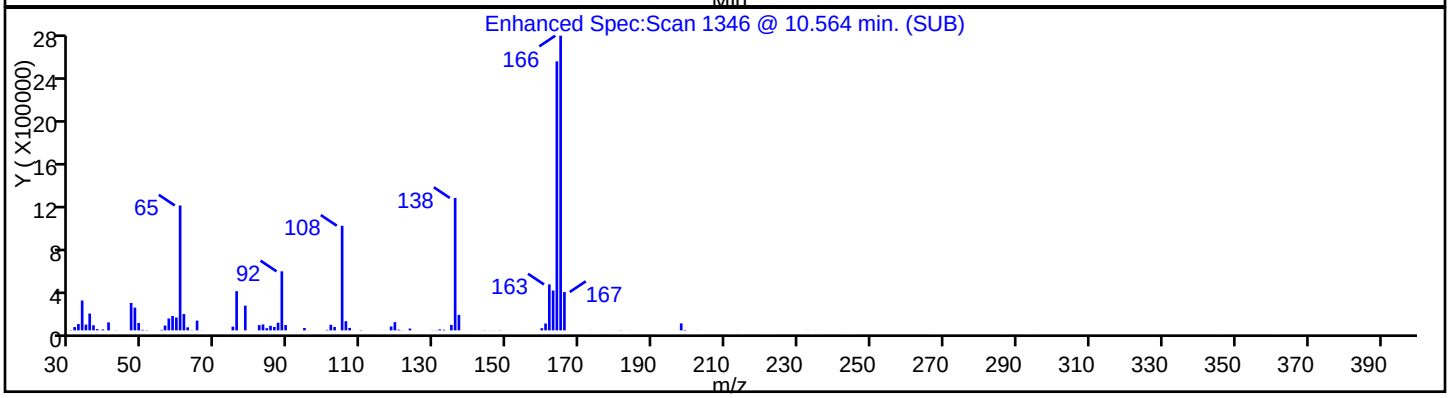
Processing Selected Results





Manual Selected Results





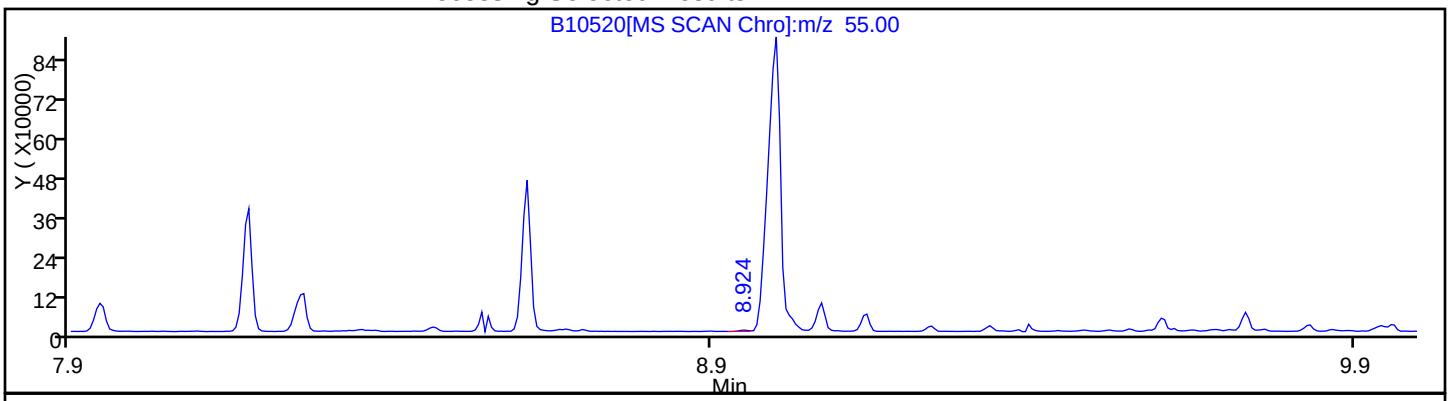
Reviewer: sullivanp, 25-Sep-2009 10:09:28
Audit Action: Selected Alternate Hit
Audit Reason:

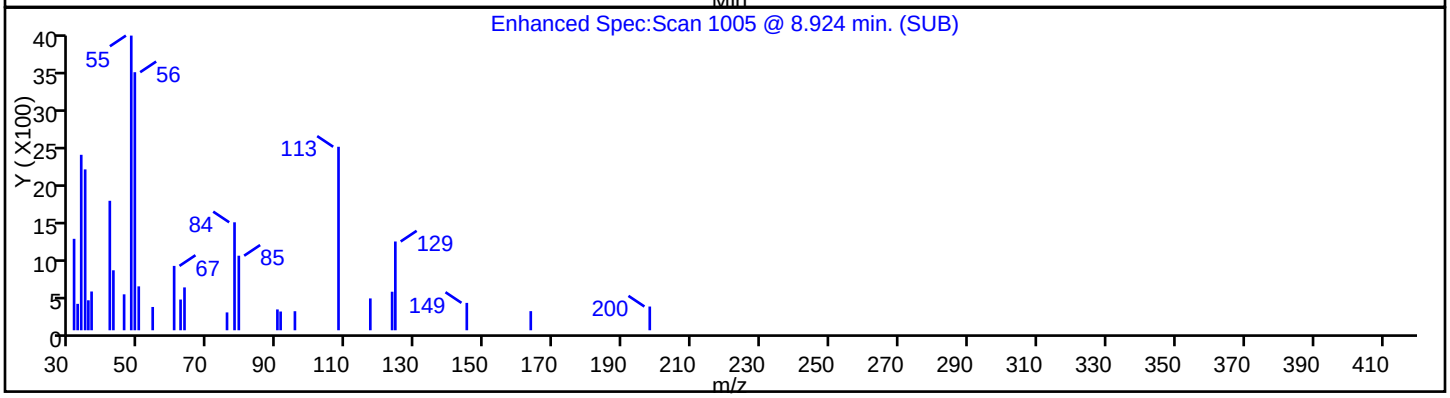
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Inj Date:	23-Sep-2009 22:32:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	1.00 ul	Operator:	MZ

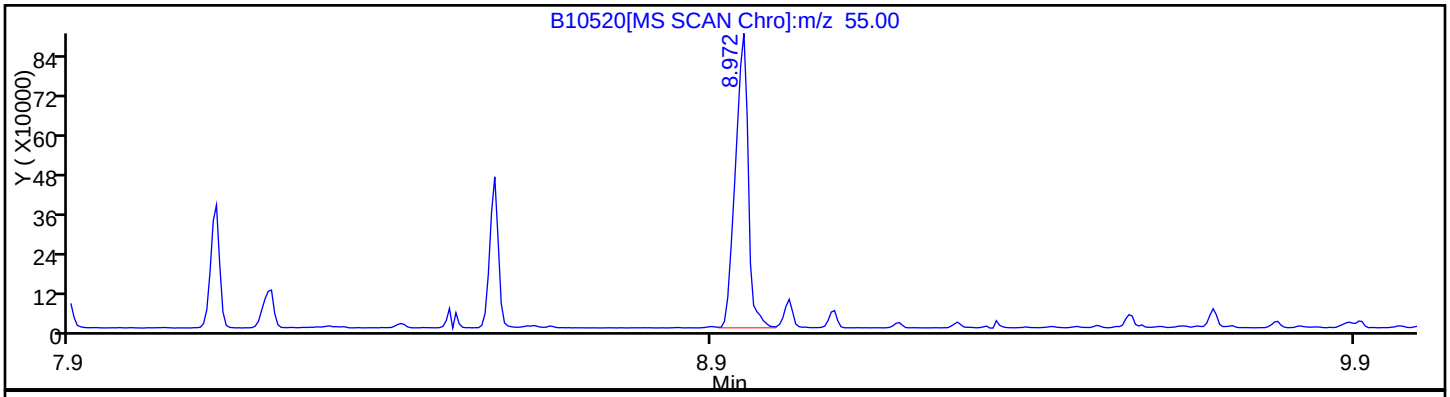
44 Caprolactam

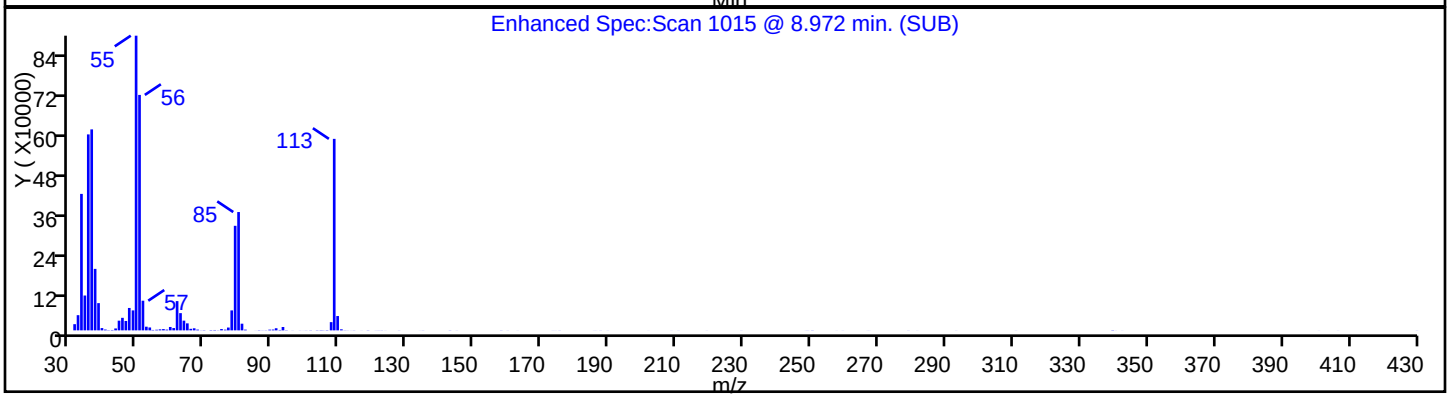
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 25-Sep-2009 10:09:28
Audit Action: Selected Alternate Hit
Audit Reason:

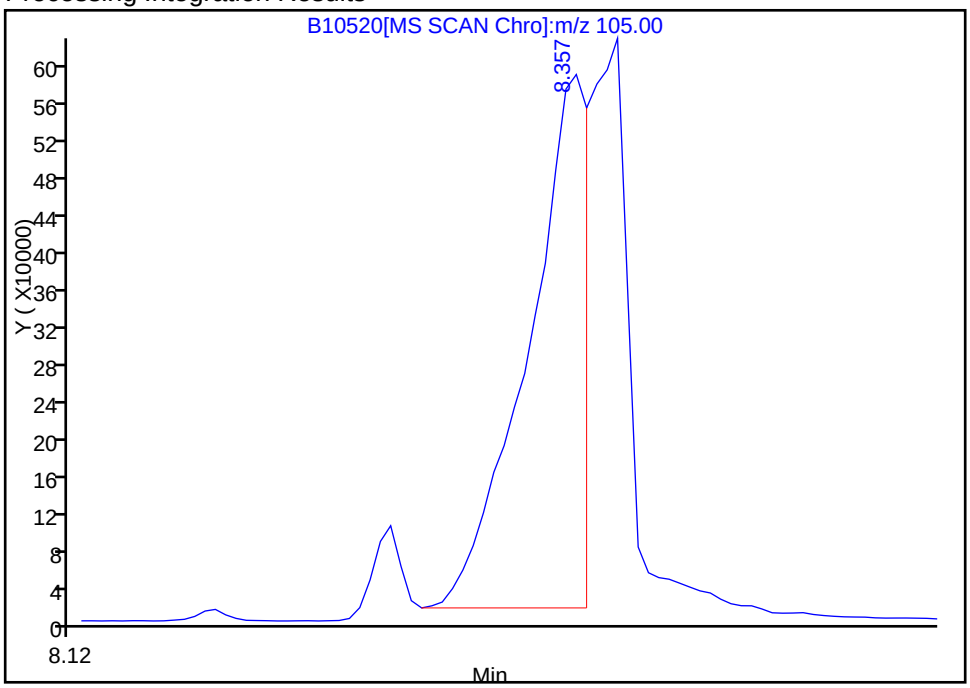
Chrom Revision: 1.1 26-Oct-2009 10:54:26
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Inj Date:	23-Sep-2009 22:32:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 8.32

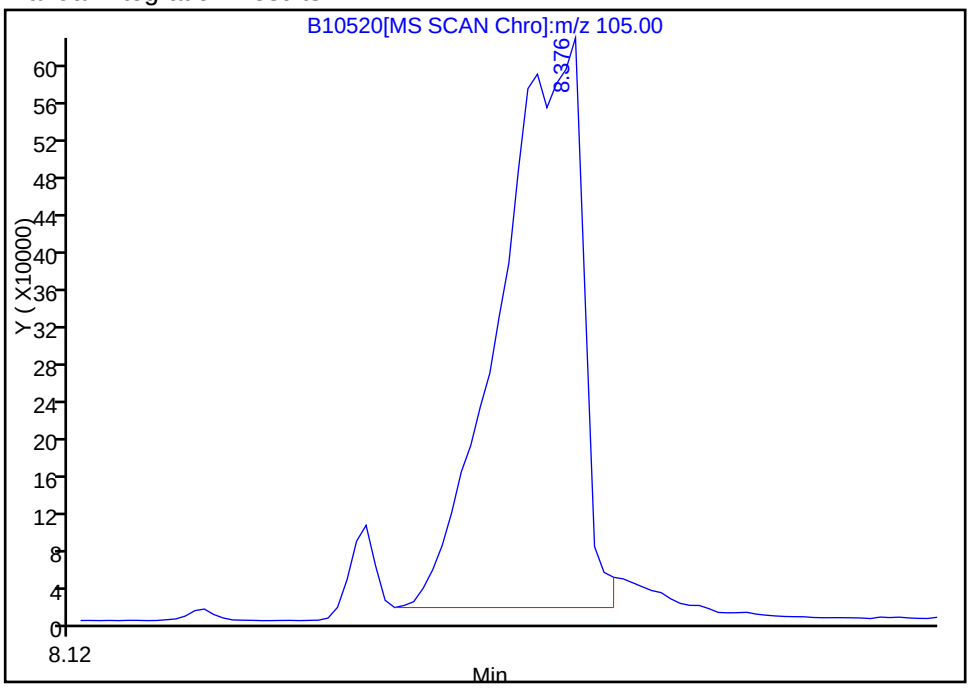
Processing Integration Results

RT: 8.36
Response: 1106945
Amount: 17.235170



Manual Integration Results

RT: 8.38
Response: 1747014
Amount: 19.884598



Reviewer: sullivanp, 25-Sep-2009 10:09:28
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24499-2 Analy Batch No.: 49509

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/25/2009 17:23 Calibration End Date: 09/25/2009 21:05 Calibration ID: 4772

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49509/3	B10547.D
Level 2	STD025 360-49509/4	B10548.D
Level 3	STD05 360-49509/5	B10549.D
Level 4	STD1 360-49509/6	B10550.D
Level 5	STD25 360-49509/7	B10551.D
Level 6	STD5 360-49509/2	B10546.D
Level 7	STD8 360-49509/8	B10552.D
Level 8	STD10 360-49509/9	B10553.D
Level 9	STD20 360-49509/10	B10554.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	+++++ 0.5138	+++++ 0.4378	0.3739 0.3968	0.4530 +++++	0.4816	Ave		0.4428				12.0		15.0			
1,4-Dioxane	0.4511 0.1663	0.2966 0.1568	0.2604 0.1352	0.2223 0.1593	0.1599	Lin1	0.0361	0.1515							0.9930		0.9900
N-Nitrosodimethylamine	0.4239 0.3523	0.4098 0.3309	0.4090 0.3031	0.3956 0.4597	0.3761	Ave		0.3845				13.0		15.0			
Benzoic acid	+++++ 0.0730	+++++ 0.0885	0.0101 0.1141	0.0223 +++++	0.0615	Qua	-0.002	0.0289	0.0083						0.9950		0.9900
Benzaldehyde	0.4159 0.3382	0.3733 0.3319	0.3729 0.2923	0.3848 0.3767	0.3800	Ave		0.3629				10.0		15.0			
Phenol	0.7722 0.6378	0.7168 0.6325	0.6891 0.5653	0.7162 0.7904	0.7131	Ave		0.6926				10.0		15.0			
Aniline	0.8229 0.7577	0.8049 0.7458	0.8296 0.6671	0.8527 0.9274	0.8548	Ave		0.8070				9.3		15.0			
Bis(2-chloroethyl)ether	0.5906 0.4936	0.5846 0.4891	0.5591 0.4353	0.5630 0.6075	0.5632	Ave		0.5429				11.0		15.0			
2-Chlorophenol	0.6282 0.5579	0.6381 0.5399	0.6456 0.4865	0.6281 0.6624	0.6259	Ave		0.6014				9.8		15.0			
1,4-Dichlorobenzene	0.8095 0.6505	0.8195 0.6415	0.7780 0.5717	0.7678 0.7824	0.7476	Ave		0.7299				12.0		15.0			
1,3-Dichlorobenzene	0.8405 0.6735	0.8701 0.6668	0.7996 0.5942	0.8131 0.8208	0.7834	Ave		0.7624				12.0		15.0			
Benzyl alcohol	0.4408 0.4770	0.4654 0.4668	0.4594 0.4198	0.4952 0.5922	0.5014	Ave		0.4798				10.0		15.0			
1,2-Dichlorobenzene	0.8763 0.6194	0.8173 0.6098	0.7773 0.5392	0.7353 0.7437	0.7112	Ave		0.7144				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.: 360-24499-2 Analy Batch No.: 49509

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/25/2009 17:23 Calibration End Date: 09/25/2009 21:05 Calibration ID: 4772

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	0.5057 0.4925	0.5444 0.4854	0.5284 0.4319	0.5534 0.6008	0.5540	Ave		0.5218				9.4		15.0			
2,2'-oxybis[1-chloropropane]	1.1513 0.9015	1.1438 0.8662	1.1024 0.7657	1.0809 1.0452	1.0428	Ave		1.0111				13.0		15.0			
3 & 4 Methylphenol	0.5221 0.5259	0.5519 0.5251	0.5447 0.4670	0.5690 0.6563	0.5816	Ave		0.5493				9.4		15.0			
N-Nitrosodi-n-propylamine	0.4529 0.3799	0.3915 0.3946	0.3896 0.3602	0.4224 0.5019	0.4080	Ave		0.4112			0.0500	10.0		15.0			
Acetophenone	0.8639 0.7469	0.8262 0.7516	0.8044 0.6781	0.8226 0.9372	0.8029	Ave		0.8037				9.2		15.0			
2,4-Dinitrophenol	+++++ 0.0943	+++++ 0.1191	0.0199 0.1366	0.0408 0.1580	0.0722	Qua	-0.086	0.1122	0.0025		0.0500				0.9980		0.9900
Hexachloroethane	0.2667 0.2522	0.2787 0.2468	0.2774 0.2216	0.2857 0.3135	0.2730	Ave		0.2684				9.7		15.0			
Nitrobenzene	0.2931 0.2401	0.2687 0.2380	0.2903 0.2154	0.2915 +++++	0.2855	Ave		0.2653				11.0		15.0			
Isophorone	0.4124 0.4027	0.3865 0.3928	0.4264 0.3591	0.4604 +++++	0.4768	Ave		0.4146				9.4		15.0			
2-Nitrophenol	0.0971 0.1172	0.1073 0.1197	0.1210 0.1085	0.1276 0.0820	0.1352	Ave		0.1129				14.0		15.0			
2,4-Dimethylphenol	0.2407 0.2167	0.2551 0.2120	0.2507 0.1861	0.2581 +++++	0.2544	Ave		0.2342				11.0		15.0			
Bis(2-chloroethoxy)methane	0.2964 0.2317	0.2797 0.2276	0.2751 0.2070	0.2721 +++++	0.2797	Ave		0.2587				12.0		15.0			
2,4-Dichlorophenol	0.1656 0.1835	0.1904 0.1759	0.1834 0.1612	0.2006 0.1209	0.2134	Ave		0.1772				15.0		15.0			
1,2,4-Trichlorobenzene	0.2751 0.2004	0.2594 0.1978	0.2666 0.1780	0.2504 0.1330	0.2500	Qua	0.0233	0.2277	-0.005						0.9990		0.9900
Alpha-Terpineol	0.2176 0.2040	0.2170 0.2050	0.2173 0.1847	0.2343 0.1332	0.2392	Ave		0.2058				15.0		15.0			
Naphthalene	0.8748 0.6526	0.8121 0.6434	0.7891 0.5684	0.7991 +++++	0.7855	Ave		0.7406				14.0		15.0			
4-Chloroaniline	0.2770 0.2676	0.2909 0.2666	0.3093 0.2428	0.3084 +++++	0.3142	Ave		0.2846				8.9		15.0			
Hexachlorobutadiene	0.1264 0.1064	0.1331 0.1057	0.1375 0.0958	0.1268 +++++	0.1278	Ave		0.1199				13.0		15.0			
Pentachlorophenol	+++++ 0.0739	+++++ 0.0969	0.0240 0.0989	0.0362 0.1114	0.0632	Qua	-0.061	0.0916	0.0012						0.9990		0.9900
Caprolactam	0.0862 0.0942	0.0658 0.0933	0.0790 0.0853	0.0891 +++++	0.1054	Ave		0.0873				13.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24499-2 Analy Batch No.: 49509

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/25/2009 17:23 Calibration End Date: 09/25/2009 21:05 Calibration ID: 4772

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-Chloro-3-methylphenol	0.1583 0.1863	0.1825 0.1839	0.1952 0.1682	0.2001 0.1260	0.2122	Ave		0.1792				14.0		15.0			
2-Methylnaphthalene	0.5714 0.4334	0.5303 0.4229	0.5300 0.3788	0.5269 +++++	0.5204	Ave		0.4893				14.0		15.0			
1-Methylnaphthalene	0.5361 0.4223	0.5172 0.4112	0.5169 0.3670	0.5197 +++++	0.5070	Ave		0.4747				14.0		15.0			
Hexachlorocyclopentadiene	0.1629 0.2011	0.1590 0.2344	0.1681 0.2388	0.1916 0.2542	0.2096	Lin1	-0.019	0.2404			0.0500				0.9940		0.9900
1,2,4,5-Tetrachlorobenzene	0.2214 0.1694	0.2075 0.1707	0.2105 0.1512	0.2067 +++++	0.2132	Ave		0.1938				13.0		15.0			
4,6-Dinitro-2-methylphenol	+++++ 0.0858	0.0238 0.1029	0.0356 0.1089	0.0523 0.1179	0.0781	Lin	-0.085	0.1196							0.9960		0.9900
2,4,6-Trichlorophenol	0.2266 0.3039	0.2506 0.3532	0.2580 0.3429	0.2869 0.3575	0.3324	Lin2	-0.012	0.3251							0.9900		0.9900
2,4,5-Trichlorophenol	0.2344 0.3154	0.2528 0.3736	0.2779 0.3607	0.2987 0.3792	0.3484	Lin1	-0.026	0.3672							0.9970		0.9900
1,1'-Biphenyl	1.5186 1.3066	1.3278 1.4882	1.3138 1.4270	1.3586 1.3601	1.4660	Ave		1.3963				5.7		15.0			
2-Chloronaphthalene	1.3248 1.2572	1.2953 1.3462	1.2574 1.3977	1.2998 1.3654	1.3903	Ave		1.3260				4.0		15.0			
Phenyl ether	0.3759 0.2719	0.3303 0.2671	0.3380 0.2381	0.3291 +++++	0.3180	Ave		0.3085				15.0		15.0			
4-Nitroaniline	0.2538 0.3538	0.2595 0.4136	0.2842 0.4083	0.3182 0.4241	0.3805	Lin1	-0.034	0.4107							0.9960		0.9900
Benzidine	+++++ 0.1109	+++++ 0.1670	0.0306 0.1862	0.0629 0.2449	0.1025	Qua	-0.088	0.1248	0.0063						0.9980		0.9900
Dimethyl phthalate	1.0692 1.1727	1.1573 1.3047	1.1664 1.2699	1.2096 1.2490	1.2816	Ave		1.2089				6.2		15.0			
2,6-Dinitrotoluene	0.1814 0.2689	0.2334 0.3081	0.2518 0.3031	0.2686 0.3127	0.2944	Lin2	-0.012	0.2931							0.9960		0.9900
Acenaphthylene	1.5165 1.6408	1.5799 1.8558	1.6054 1.7726	1.6555 1.6499	1.8174	Ave		1.6771				6.8		15.0			
3-Nitroaniline	0.1716 0.2620	0.1928 0.3008	0.2106 0.2973	0.2626 0.3042	0.2892	Lin1	-0.022	0.2984							0.9980		0.9900
Acenaphthene	1.2183 1.0896	1.1001 1.2413	1.0960 1.2111	1.1232 1.1864	1.1964	Ave		1.1625				5.1		15.0			
4-Nitrophenol	0.0707 0.1570	0.0637 0.1828	0.0891 0.1871	0.1214 0.1955	0.1516	Lin1	-0.026	0.1864			0.0500				0.9920		0.9900
2,4-Dinitrotoluene	0.1952 0.3488	0.2300 0.4138	0.2648 0.4128	0.3169 0.4295	0.3728	Lin1	-0.041	0.4140							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.: 360-24499-2 Analy Batch No.: 49509

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/25/2009 17:23 Calibration End Date: 09/25/2009 21:05 Calibration ID: 4772

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	1.6841 1.4205	1.4119 1.6001	1.4579 1.5369	1.4529 1.4654	1.5916	Ave		1.5135				6.2		15.0			
2,3,4,6-Tetrachlorophenol	0.1136 0.2201	0.1378 0.2646	0.1709 0.2677	0.2034 0.2717	0.2335	Lin1	-0.028	0.2639							0.9950		0.9900
Diethyl phthalate	1.3519 1.2044	1.1522 1.3599	1.2073 1.3230	1.1957 1.2877	1.3315	Ave		1.2682				6.2		15.0			
4-Chlorophenyl phenyl ether	0.6328 0.5240	0.5563 0.5977	0.5358 0.5800	0.5455 0.6077	0.5997	Ave		0.5755				6.4		15.0			
2-Nitroaniline	0.1507 0.2238	0.2151 0.3242	0.2175 0.3233	0.3058 0.3748	0.3086	Qua	-0.015	0.2625	0.0057						0.9970		0.9900
Fluorene	1.2320 1.1835	1.1434 1.3865	1.1662 1.3214	1.2018 1.3089	1.2851	Ave		1.2476				6.6		15.0			
Diphenylamine	0.6116 0.6064	0.5660 0.7164	0.6104 0.6856	0.6275 0.6837	0.6807	Ave		0.6431				7.7		15.0			
N-Nitrosodiphenylamine	0.6116 0.6064	0.5660 0.7164	0.6104 0.6856	0.6275 0.6837	0.6807	Ave		0.6431				7.7		15.0			
1,2-Diphenylhydrazine	0.9839 1.1810	1.1021 1.3834	1.1612 1.3134	1.1854 1.2720	1.3115	Ave		1.2104				10.0		15.0			
Azobenzene	0.9839 1.1810	1.1021 1.3834	1.1612 1.3134	1.1854 1.2720	1.3115	Ave		1.2104				10.0		15.0			
Benzophenone	0.5760 0.6889	0.6133 0.8232	0.6474 0.7919	0.6860 0.7930	0.7580	Ave		0.7086				12.0		15.0			
4-Bromophenyl phenyl ether	0.1634 0.1638	0.1731 0.1956	0.1737 0.1895	0.1729 0.1950	0.1838	Ave		0.1790				7.0		15.0			
Hexachlorobenzene	0.1833 0.1527	0.1597 0.1815	0.1619 0.1751	0.1667 0.1795	0.1765	Ave		0.1708				6.4		15.0			
Atrazine	0.1417 0.1710	0.1554 0.2030	0.1615 0.1924	0.1742 0.1969	0.1984	Ave		0.1772				12.0		15.0			
Pentachloronitrobenzene	0.0516 0.0798	0.0577 0.0988	0.0708 0.0961	0.0728 0.0992	0.0856	Lin1	-0.009	0.0961							0.9950		0.9900
Phenanthrene	1.0521 0.9330	0.9953 1.0940	0.9793 1.0340	0.9830 0.9653	1.0324	Ave		1.0076				4.9		15.0			
Anthracene	0.8886 0.9061	0.8849 1.0784	0.8962 1.0284	0.8906 0.9626	0.9928	Ave		0.9476				7.5		15.0			
Carbazole	0.8176 0.7038	0.7672 0.8090	0.7899 0.7972	0.8227 0.7919	0.8404	Ave		0.7933				5.0		15.0			
Di-n-butyl phthalate	1.4870 1.1537	1.1964 1.3414	1.1668 1.2489	1.1694 1.0870	1.2735	Ave		1.2360				9.7		15.0			
Fluoranthene	0.8946 0.8448	0.8238 0.9916	0.8494 0.9744	0.8636 0.9368	0.9395	Ave		0.9021				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
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24499-2 Analy Batch No.: 49509

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/25/2009 17:23 Calibration End Date: 09/25/2009 21:05 Calibration ID: 4772

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	1.4277 1.2180	1.2919 1.3515	1.3201 1.2747	1.3302 1.2079	1.3557	Ave		1.3086				5.3		15.0			
Butyl benzyl phthalate	0.4804 0.6137	0.4628 0.6946	0.5149 0.6659	0.5662 0.6672	0.6535	Ave		0.5910				15.0		15.0			
3,3'-Dichlorobenzidine	0.1187 0.2311	0.1221 0.2759	0.1604 0.2699	0.2057 0.2793	0.2491	Lin1	-0.030	0.2718							0.9960		0.9900
Bis(2-ethylhexyl) phthalate	0.6871 0.8685	0.5520 0.9717	0.6686 0.9404	0.7722 0.9428	0.9057	Lin1	-0.065	0.9406							0.9980		0.9900
Benzo[a]anthracene	0.8974 0.8436	0.8416 0.9324	0.8542 0.9012	0.8797 0.9035	0.9310	Ave		0.8872				3.9		15.0			
Chrysene	0.8658 0.7832	0.7999 0.8758	0.8211 0.8433	0.8674 0.8450	0.8791	Ave		0.8423				4.1		15.0			
Di-n-octyl phthalate	0.8961 1.7576	0.7871 2.1039	0.9253 2.0518	1.2320 2.3363	1.7320	Lin	-1.228	2.3279							0.9950		0.9900
Benzo[b]fluoranthene	1.1333 1.0511	0.9997 1.2421	1.0707 1.1684	1.1268 1.3660	1.1547	Ave		1.1459				9.5		15.0			
Benzo[k]fluoranthene	1.0882 1.0083	0.8807 1.1290	0.9365 1.1102	0.9911 1.1918	1.1094	Ave		1.0495				9.6		15.0			
Benzo[a]pyrene	0.7232 0.8114	0.5858 0.9408	0.6370 0.9132	0.7349 0.9859	0.8612	Lin1	-0.071	0.9397							0.9950		0.9900
Indeno[1,2,3-cd]pyrene	0.5198 0.6149	0.4465 0.6822	0.4519 0.6615	0.5394 0.6692	0.6470	Lin1	-0.042	0.6643							0.9980		0.9900
Dibenz(a,h)anthracene	0.4179 0.4793	0.3603 0.5373	0.3420 0.5267	0.4183 0.5497	0.4893	Lin1	-0.038	0.5331							0.9970		0.9900
Benzo[g,h,i]perylene	0.6533 0.5316	0.4420 0.5809	0.4689 0.5431	0.5577 0.5358	0.5748	Ave		0.5431				11.0		15.0			
2-Fluorophenol	0.4890 0.5119	0.4864 0.4979	0.4933 0.4488	0.5640 0.6199	0.5728	Ave		0.5204				10.0		15.0			
Phenol-d5	0.6923 0.6111	0.6694 0.6123	0.6671 0.5502	0.6955 0.7624	0.6905	Ave		0.6612				9.3		15.0			
Nitrobenzene-d5	0.3067 0.2468	0.2849 0.2406	0.2843 0.2177	0.2882 +++++	0.2964	Ave		0.2707				12.0		15.0			
2-Fluorobiphenyl	1.3918 1.2369	1.2720 1.4130	1.2795 1.3355	1.2850 1.3112	1.3762	Ave		1.3224				4.6		15.0			
2,4,6-Tribromophenol	0.0421 0.0628	0.0399 0.0781	0.0532 0.0750	0.0577 0.0823	0.0664	Lin1	-0.008	0.0775							0.9920		0.9900
Terphenyl-d14	0.8367 0.6994	0.7798 0.7839	0.7807 0.7554	0.7732 0.7584	0.7983	Ave		0.7740				4.8		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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24499-2 Analy Batch No.: 49509

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/25/2009 17:23 Calibration End Date: 09/25/2009 21:05 Calibration ID: 4772

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49509/3	B10547.D
Level 2	STD025 360-49509/4	B10548.D
Level 3	STD05 360-49509/5	B10549.D
Level 4	STD1 360-49509/6	B10550.D
Level 5	STD25 360-49509/7	B10551.D
Level 6	STD5 360-49509/2	B10546.D
Level 7	STD8 360-49509/8	B10552.D
Level 8	STD10 360-49509/9	B10553.D
Level 9	STD20 360-49509/10	B10554.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	+++++ 562416	+++++ 781514	31169 1042111	77031 +++++	199084	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 +++++	2.50
1,4-Dioxane	DCB	Lin1	6426 181995	11641 279957	21704 354999	37804 562912	66093	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodimethylamine	DCB	Ave	6038 385610	16081 590699	34091 795898	67265 1624304	155473	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzoic acid	NPT	Qua	+++++ 196309	+++++ 388173	1972 728670	8898 +++++	58374	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 +++++	2.50
Benzaldehyde	DCB	Ave	5924 370167	14651 592431	31082 767717	65435 1330765	157077	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenol	DCB	Ave	11000 698154	28129 1129128	57438 1484455	121782 2792535	294753	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Aniline	DCB	Ave	11722 829347	31585 1331372	69150 1751899	144987 3276597	353352	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethyl)ether	DCB	Ave	8413 540243	22940 873074	46600 1143143	95737 2146426	232792	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chlorophenol	DCB	Ave	8949 610655	25041 963735	53815 1277488	106796 2340440	258735	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,4-Dichlorobenzene	DCB	Ave	11532 712025	32160 1145141	64851 1501429	130559 2764406	309043	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,3-Dichlorobenzene	DCB	Ave	11973 737193	34144 1190268	66649 1560368	138247 2899963	323814	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzyl alcohol	DCB	Ave	6279 522096	18262 833209	38290 1102499	84209 2092293	207262	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Dichlorobenzene	DCB	Ave	12483 677934	32073 1088600	64786 1415950	125022 2627640	293979	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Methylphenol	DCB	Ave	7204 539034	21363 866400	44043 1134249	94104 2122652	228988	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.: 360-24499-2 Analy Batch No.: 49509

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/25/2009 17:23 Calibration End Date: 09/25/2009 21:05 Calibration ID: 4772

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	16401 986732	44885 1546179	91885 2010782	183783 3692735	431031	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3 & 4 Methylphenol	DCB	Ave	7438 575587	21659 937418	45399 1226473	96750 2318682	240422	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodi-n-propylamine	DCB	Ave	6451 415781	15363 704426	32475 945953	71824 1773079	168660	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acetophenone	DCB	Ave	12307 817491	32421 1341590	67045 1780718	139863 3311229	331871	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrophenol	ANT	Qua	+++++ 96714	+++++ 173284	1786 268409	7282 550849	28444	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Hexachloroethane	DCB	Ave	3799 276103	10938 440601	23124 581989	48572 1107488	112862	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene	NPT	Ave	9642 645568	25198 1043916	56841 1375149	116178 +++++	270907	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Isophorone	NPT	Ave	13569 1082903	36250 1723177	83486 2293006	183478 +++++	452449	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2-Nitrophenol	NPT	Ave	3195 315087	10065 524918	23698 692736	50864 1303794	128317	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dimethylphenol	NPT	Ave	7921 582796	23925 929859	49091 1188162	102873 +++++	241363	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Bis(2-chloroethoxy)methane	NPT	Ave	9753 623040	26235 998478	53857 1322072	108424 +++++	265433	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2,4-Dichlorophenol	NPT	Ave	5449 493600	17854 771601	35904 1029423	79957 1921116	202442	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2,4-Trichlorobenzene	NPT	Qua	9053 538845	24329 867487	52208 1136839	99784 2113814	237254	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Alpha-Terpineol	NPT	Ave	7158 548700	20351 899170	42541 1179342	93389 2116016	227006	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Naphthalene	NPT	Ave	28782 1754903	76156 2822321	154513 3629586	318482 +++++	745331	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
4-Chloroaniline	NPT	Ave	9115 719571	27285 1169202	60566 1550738	122918 +++++	298133	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Hexachlorobutadiene	NPT	Ave	4158 286176	12481 463633	26923 611813	50553 +++++	121303	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Pentachlorophenol	PHN	Qua	+++++ 124466	+++++ 226642	3406 318731	10346 637333	40733	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Caprolactam	NPT	Ave	2836 253346	6175 409381	15468 544583	35519 +++++	99969	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
4-Chloro-3-methylphenol	NPT	Ave	5210 501091	17112 806790	38229 1074207	79752 2001686	201322	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Methylnaphthalene	NPT	Ave	18800 1165557	49730 1855005	103765 2418993	209971 +++++	493780	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24499-2 Analy Batch No.: 49509

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/25/2009 17:23 Calibration End Date: 09/25/2009 21:05 Calibration ID: 4772

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
1-Methylnaphthalene	NPT	Ave	17639 1135525	48506 1803814	101201 2343255	207106 +++++	481062	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Hexachlorocyclopentadiene	ANT	Lin1	2496 206326	6966 340912	15118 469223	34165 886189	82605	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	7286 455452	19464 748855	41222 965747	82383 +++++	202295	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
4,6-Dinitro-2-methylphenol	PHN	Lin	+++++ 144538	1677 240845	5051 351060	14924 674656	50341	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Trichlorophenol	ANT	Lin2	3472 311754	10980 513752	23205 673710	51148 1246113	130978	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,5-Trichlorophenol	ANT	Lin1	3591 323577	11076 543427	24996 708701	53254 1321943	137265	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,1'-Biphenyl	ANT	Ave	23267 1340341	58181 2164558	118165 2803425	242200 4741316	577610	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chloronaphthalene	ANT	Ave	20298 1289676	56757 1958024	113092 2745733	231728 4759855	547815	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenyl ether	NPT	Ave	12367 731092	30975 1171535	66182 1520570	131144 +++++	301758	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
4-Nitroaniline	ANT	Lin1	3888 362933	11372 601628	25561 802092	56723 1478275	149915	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzidine	PHN	Qua	+++++ 186768	+++++ 390686	4333 600013	17944 1401082	66067	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Dimethyl phthalate	ANT	Ave	16381 1202988	50709 1897684	104906 2494670	215640 4354025	504952	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,6-Dinitrotoluene	ANT	Lin2	2779 275898	10227 448117	22643 595359	47888 1090209	115989	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthylene	ANT	Ave	23235 1683232	69228 2699271	144386 3482251	295124 5751593	716065	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3-Nitroaniline	ANT	Lin1	2629 268818	8447 437534	18945 583962	46815 1060506	113958	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthene	ANT	Ave	18666 1117732	48206 1805395	98573 2379186	200229 4135817	471386	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitrophenol	ANT	Lin1	1083 161021	2792 265864	8017 367528	21638 681629	59733	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrotoluene	ANT	Lin1	2991 357817	10077 601889	23815 811001	56489 1497071	146905	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenzofuran	ANT	Ave	25803 1457250	61866 2327273	131124 3019208	259009 5108455	627121	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	1740 225824	6036 384791	15368 525879	36267 947150	91995	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diethyl phthalate	ANT	Ave	20712 1235579	50488 1977984	108581 2599037	213166 4489028	524649	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.: 360-24499-2 Analy Batch No.: 49509

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/25/2009 17:23 Calibration End Date: 09/25/2009 21:05 Calibration ID: 4772

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	9696 537545	24377 869413	48192 1139514	97253 2118281	236304	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitroaniline	ANT	Qua	2309 229544	9424 471491	19563 635117	54509 1306478	121589	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluorene	ANT	Ave	18875 1214136	50101 2016596	104883 2595844	214257 4562933	506331	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diphenylamine	PHN	Ave	14961 1020908	39851 1675999	86549 2209883	179108 3911351	438571	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodiphenylamine	PHN	Ave	14961 1020908	39851 1675999	86549 2209883	179108 3911351	438571	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Diphenylhydrazine	PHN	Ave	24068 1988412	77592 3236510	164656 4233397	338361 7276951	845013	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Azobenzene	PHN	Ave	24068 1988412	77592 3236510	164656 4233397	338361 7276951	845013	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzophenone	PHN	Ave	14090 1159908	43178 1925966	91800 2552359	195798 4536922	488395	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Bromophenyl phenyl ether	PHN	Ave	3997 275845	12189 457714	24626 610844	49347 1115762	118444	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobenzene	PHN	Ave	4483 257141	11244 424528	22961 564453	47576 1026774	113725	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Atrazine	PHN	Ave	3467 287990	10941 474971	22905 620127	49710 1126516	127796	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachloronitrobenzene	PHN	Lin1	1263 134407	4064 231150	10035 309791	20772 567268	55121	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenanthrene	PHN	Ave	25736 1570871	70071 2559381	138870 3332928	280596 5522586	665153	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Anthracene	PHN	Ave	21737 1525546	62301 2522934	127083 3314599	254195 5507107	639648	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Carbazole	PHN	Ave	20000 1184997	54016 1892701	112006 2569637	234835 4530354	541478	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-butyl phthalate	PHN	Ave	36373 1942536	84232 3138249	165448 4025405	333792 6218741	820514	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluoranthene	PHN	Ave	21883 1422366	58000 2319930	120448 3140577	246498 5359673	605320	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pyrene	CRY	Ave	22633 1511209	60232 2426881	123842 3290853	260707 5660141	630305	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Butyl benzyl phthalate	CRY	Ave	7616 761390	21576 1247244	48307 1719045	110960 3126669	303841	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3,3'-Dichlorobenzidine	CRY	Lin1	1881 286732	5693 495476	15044 696843	40316 1308885	115832	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-ethylhexyl) phthalate	CRY	Lin1	10892 1077576	25737 1744897	62726 2427773	151348 4417840	421107	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.: 360-24499-2 Analy Batch No.: 49509

SDG No.: OCRI-13A

Instrument ID: Inst. B GC Column: Rtx-5ms ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/25/2009 17:23 Calibration End Date: 09/25/2009 21:05 Calibration ID: 4772

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	14227 1046633	39239 1674378	80136 2326484	172411 4233849	432861	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Chrysene	CRY	Ave	13725 971732	37296 1572710	77026 2176932	170001 3959532	408741	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-octyl phthalate	PRY	Lin	9319 1579122	25285 2629239	60848 3733452	170861 6482082	561996	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[b]fluoranthene	PRY	Ave	11786 944358	32115 1552261	70413 2125981	156268 3790042	374687	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[k]fluoranthene	PRY	Ave	11317 905942	28292 1410943	61589 2020163	137442 3306664	359985	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[a]pyrene	PRY	Lin1	7521 728976	18819 1175686	41894 1661641	101920 2735289	279459	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	Lin1	5406 552471	14343 852513	29719 1203598	74804 1856809	209930	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenz(a,h)anthracene	PRY	Lin1	4346 430656	11574 671501	22493 958403	58009 1525021	158766	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	6794 477587	14200 725997	30834 988274	77337 1486622	186514	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorophenol	DCB	Ave	6966 560270	19089 888786	41118 1178495	95904 2190273	236767	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenol-d5	DCB	Ave	9862 668911	26270 1093061	55603 1444795	118266 2693547	285407	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene-d5	NPT	Ave	10090 663603	26720 1055164	55673 1390277	114841 +++++	281233	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2-Fluorobiphenyl	ANT	Ave	21324 1268894	55735 2055243	115075 2623679	229089 4570727	542253	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Tribromophenol	PHN	Lin1	1031 105760	2809 182713	7544 241765	16470 470606	42801	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Terphenyl-d14	CRY	Ave	13265 867774	36357 1407641	73238 1950175	151528 3553725	371141	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
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10546.D		
Lims ID:	std5	Client ID:	
Inject. Date:	25-Sep-2009 17:23:30	Dil. Factor:	1.0000
Sample Type:	ICIS, ICal ISTD Check	Calib Level:	6
Sample ID:	std5		
Misc. Info.:	360-0001300-002		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	49509	Lims Sample ID:	2
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:15:44	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 16:58:19
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:15:53

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	7.254	7.254	0.000	437830	2.00	
* 2 Naphthalene-d8	136	8.389	8.389	0.000	1075684	2.00	
* 3 Acenaphthene-d10	164	9.879	9.879	0.000	410342	2.00	
* 4 Phenanthrene-d10	188	11.134	11.134	0.000	673476	2.00	
* 5 Chrysene-d12	240	14.044	14.044	0.000	496279	2.00	
* 6 Perylene-d12	264	16.530	16.530	0.000	359383	2.00	
$ 7 2-Fluorophenol	112	5.941	5.941	0.000	560270	4.92	
$ 8 Phenol-d5	99	6.898	6.898	0.000	668911	4.62	
$ 9 Nitrobenzene-d5	82	7.754	7.754	0.000	663603	4.56	
$ 10 2-Fluorobiphenyl	172	9.293	9.293	0.000	1268894	4.68	
$ 11 2,4,6-Tribromophenol	330	10.543	10.543	0.000	105760	4.15	
$ 12 Terphenyl-d14	244	12.519	12.519	0.000	867774	4.52	
14 1,4-Dioxane	88	3.133	3.122	0.010	181995	5.25	
15 N-Nitrosodimethylamine	42	3.796	3.796	0.000	385610	4.58	
16 Pyridine	79	3.811	3.811	0.000	562416	5.80	
17 Benzaldehyde	105	6.850	6.850	0.000	370167	4.66	
18 Phenol	94	6.907	6.907	0.000	698154	4.60	
19 Aniline	93	6.946	6.946	0.000	829347	4.69	
20 Bis(2-chloroethyl)ether	93	7.004	7.004	0.000	540243	4.55	
21 2-Chlorophenol	128	7.056	7.056	0.000	610655	4.64	
22 1,4-Dichlorobenzene	146	7.201	7.201	0.000	712025	4.46	
23 1,3-Dichlorobenzene	146	7.268	7.268	0.000	737193	4.42	
24 Benzyl alcohol	79	7.374	7.374	0.000	522096	4.97	
25 1,2-Dichlorobenzene	146	7.412	7.412	0.000	677934	4.33	
26 2-Methylphenol	108	7.465	7.465	0.000	539034	4.72	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	7.494	7.494	0.000	986732	4.46	
28 3 & 4 Methylphenol	108	7.600	7.600	0.000	575587	4.79	
29 N-Nitrosodi-n-propylamine	70	7.609	7.609	0.000	415781	4.62	
30 Acetophenone	105	7.614	7.614	0.000	817491	4.65	
31 Hexachloroethane	117	7.715	7.715	0.000	276103	4.70	
32 Nitrobenzene	77	7.773	7.773	0.000	645568	4.52	
33 Isophorone	82	7.975	7.975	0.000	1082903	4.86	
34 2-Nitrophenol	139	8.052	8.052	0.000	315087	5.19	
35 2,4-Dimethylphenol	107	8.066	8.066	0.000	582796	4.63	
36 Benzoic acid	105	8.124	8.119	0.005	196309	5.14	
37 Bis(2-chloroethoxy)methane	93	8.148	8.148	0.000	623040	4.48	
38 2,4-Dichlorophenol	162	8.254	8.254	0.000	493600	5.18	
39 1,2,4-Trichlorobenzene	180	8.331	8.331	0.000	538845	4.78	
40 Alpha-Terpineol	59	8.393	8.393	0.000	548700	4.96	
41 Naphthalene	128	8.408	8.408	0.000	1754903	4.41	
42 4-Chloroaniline	127	8.437	8.437	0.000	719571	4.70	
43 Hexachlorobutadiene	225	8.504	8.504	0.000	286176	4.44	
44 Caprolactam	55	8.725	8.725	0.000	253346	5.40	
45 4-Chloro-3-methylphenol	107	8.831	8.831	0.000	501091	5.20	
46 2-Methylnaphthalene	142	8.994	8.994	0.000	1165557	4.43	
47 1-Methylnaphthalene	142	9.081	9.081	0.000	1135525	4.45	
48 Hexachlorocyclopentadiene	237	9.124	9.124	0.000	206326	4.26	
49 1,2,4,5-Tetrachlorobenzene	216	9.134	9.134	0.000	455452	4.37	
50 2,4,6-Trichlorophenol	196	9.220	9.220	0.000	311754	4.71	
51 2,4,5-Trichlorophenol	196	9.254	9.254	0.000	323577	4.37	
52 1,1'-Biphenyl	154	9.379	9.379	0.000	1340341	4.68	
53 2-Chloronaphthalene	162	9.408	9.408	0.000	1289676	4.74	
54 Phenyl ether	170	9.466	9.466	0.000	731092	4.41	
68 4-Nitroaniline	138	9.485	9.485	0.000	362933	4.39	
56 Dimethyl phthalate	163	9.615	9.615	0.000	1202988	4.85	
57 2,6-Dinitrotoluene	165	9.677	9.677	0.000	275898	4.63	
58 Acenaphthylene	152	9.764	9.764	0.000	1683232	4.89	
59 3-Nitroaniline	138	9.826	9.826	0.000	268818	4.46	
61 Acenaphthene	153	9.908	9.908	0.000	1117732	4.69	
60 2,4-Dinitrophenol	184	9.908	9.908	0.000	96714	4.51	
62 4-Nitrophenol	109	9.937	9.937	0.000	161021	4.35	
63 2,4-Dinitrotoluene	165	10.019	10.019	0.000	357817	4.31	
64 Dibenzofuran	168	10.052	10.052	0.000	1457250	4.69	
65 2,3,4,6-Tetrachlorophenol	232	10.144	10.144	0.000	225824	4.28	
66 Diethyl phthalate	149	10.201	10.201	0.000	1235579	4.75	
67 4-Chlorophenyl phenyl ether	204	10.322	10.322	0.000	537545	4.55	
69 Fluorene	166	10.341	10.341	0.000	1214136	4.74	
55 2-Nitroaniline	65	10.336	10.335	0.001	229544	3.97	
70 4,6-Dinitro-2-methylphenol	198	10.360	10.360	0.000	144538	4.30	
71 Diphenylamine	169	10.418	10.418	0.000	1020908	4.71	
72 N-Nitrosodiphenylamine	169	10.418	10.418	0.000	1020908	4.71	
74 Azobenzene	77	10.456	10.456	0.000	1988412	4.88	
73 1,2-Diphenylhydrazine	77	10.456	10.456	0.000	1988412	4.88	
13 Benzophenone	105	10.466	10.466	0.000	1159908	4.86	
75 4-Bromophenyl phenyl ether	248	10.735	10.735	0.000	275845	4.58	
76 Hexachlorobenzene	284	10.807	10.807	0.000	257141	4.47	
77 Atrazine	200	10.841	10.841	0.000	287990	4.83	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.966	10.969	-0.003	124466	4.45	
79 Pentachloronitrobenzene	237	10.976	10.976	0.000	134407	4.24	
80 Phenanthrene	178	11.154	11.154	0.000	1570871	4.63	
81 Anthracene	178	11.197	11.197	0.000	1525546	4.78	
83 Carbazole	167	11.317	11.317	0.000	1184997	4.44	
84 Di-n-butyl phthalate	149	11.562	11.562	0.000	1942536	4.67	
87 Fluoranthene	202	12.173	12.173	0.000	1422366	4.68	
86 Benzidine	184	12.269	12.277	-0.008	186768	4.24	
85 Pyrene	202	12.404	12.404	0.000	1511209	4.65	
89 Butyl benzyl phthalate	149	13.072	13.072	0.000	761390	5.19	
91 3,3'-Dichlorobenzidine	252	13.947	13.947	0.000	286732	4.36	
92 Bis(2-ethylhexyl) phthalate	149	13.981	13.981	0.000	1077576	4.69	
93 Benzo[a]anthracene	228	14.024	14.024	0.000	1046633	4.75	
94 Chrysene	228	14.092	14.092	0.000	971732	4.65	
95 Di-n-octyl phthalate	149	15.376	15.376	0.000	1579122	4.30	
97 Benzo[b]fluoranthene	252	15.982	15.982	0.000	944358	4.59	
98 Benzo[k]fluoranthene	252	16.020	16.020	0.000	905942	4.80	
99 Benzo[a]pyrene	252	16.448	16.448	0.000	728976	4.39	
100 Indeno[1,2,3-cd]pyrene	276	18.333	18.333	0.000	552471	4.69	
101 Dibenz(a,h)anthracene	278	18.362	18.362	0.000	430656	4.57	
102 Benzo[g,h,i]perylene	276	18.862	18.862	0.000	477587	4.89	

Report Date: 28-Sep-2009 07:15:54 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10546.D

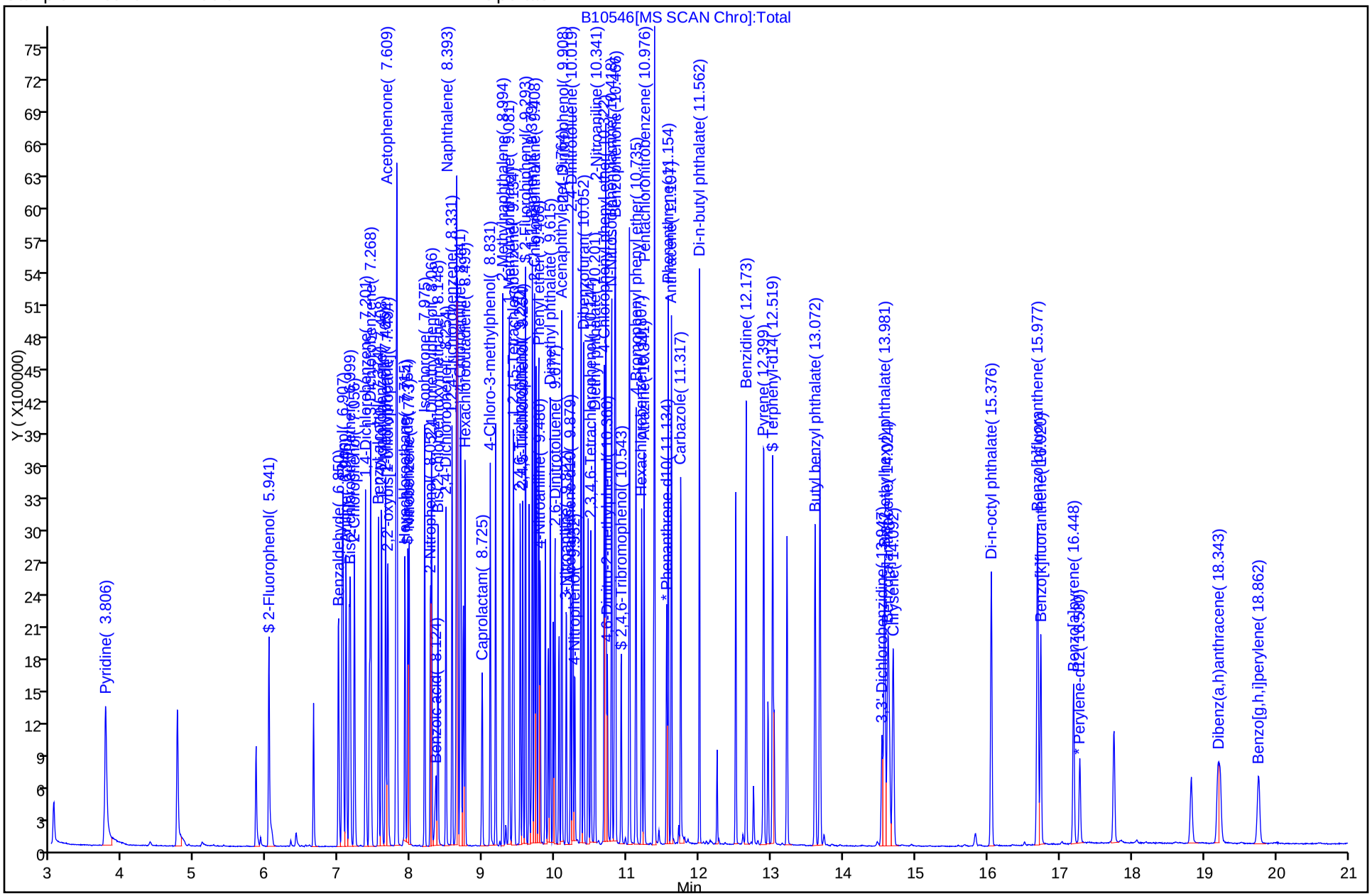
Inj Date: 25-Sep-2009 17:23:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49509 Lims Sample ID: 2

Client ID: Instrument: Inst. B

Sample Info: std5

Sample Amount: 1.00 ul Operator: MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10547.D		
Lims ID:	std01	Client ID:	
Inject. Date:	25-Sep-2009 17:51:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	std01		
Misc. Info.:	360-0001300-003		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	49509	Lims Sample ID:	3
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:15:44	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:01:31
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:16:00

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	7.253	7.254	-0.001	284906	2.00	
* 2 Naphthalene-d8	136	8.388	8.389	-0.001	658044	2.00	
* 3 Acenaphthene-d10	164	9.878	9.879	-0.001	306424	2.00	
* 4 Phenanthrene-d10	188	11.133	11.134	-0.001	489229	2.00	
* 5 Chrysene-d12	240	14.038	14.044	-0.006	317062	2.00	
* 6 Perylene-d12	264	16.529	16.530	-0.001	207987	2.00	
$ 7 2-Fluorophenol	112	5.940	5.941	-0.001	6966	0.0940	
$ 8 Phenol-d5	99	6.892	6.898	-0.006	9862	0.1047	
$ 9 Nitrobenzene-d5	82	7.753	7.754	-0.001	10090	0.1133	
$ 10 2-Fluorobiphenyl	172	9.292	9.293	-0.001	21324	0.1053	
$ 11 2,4,6-Tribromophenol	330	10.537	10.543	-0.006	1031	0.1554	
$ 12 Terphenyl-d14	244	12.518	12.519	-0.001	13265	0.1081	
14 1,4-Dioxane	88	3.117	3.137	-0.020	6426	0.0596	M
15 N-Nitrosodimethylamine	42	3.805	3.806	-0.001	6038	0.1102	M
17 Benzaldehyde	105	6.849	6.850	-0.001	5924	0.1146	
18 Phenol	94	6.906	6.908	-0.002	11000	0.1115	
19 Aniline	93	6.945	6.946	-0.001	11722	0.1020	
20 Bis(2-chloroethyl)ether	93	7.003	7.004	-0.001	8413	0.1088	
21 2-Chlorophenol	128	7.055	7.057	-0.002	8949	0.1045	
22 1,4-Dichlorobenzene	146	7.200	7.201	-0.001	11532	0.1109	
23 1,3-Dichlorobenzene	146	7.272	7.268	0.004	11973	0.1102	
24 Benzyl alcohol	79	7.373	7.374	-0.001	6279	0.0919	
25 1,2-Dichlorobenzene	146	7.411	7.412	-0.001	12483	0.1227	
26 2-Methylphenol	108	7.464	7.465	-0.001	7204	0.0969	
27 2,2'-oxybis[1-chloropropane]	45	7.493	7.494	-0.001	16401	0.1139	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	7.599	7.600	-0.001	7438	0.0951	
29 N-Nitrosodi-n-propylamine	70	7.608	7.610	-0.002	6451	0.1101	
30 Acetophenone	105	7.613	7.614	-0.001	12307	0.1075	
31 Hexachloroethane	117	7.714	7.715	-0.001	3799	0.0994	
32 Nitrobenzene	77	7.772	7.773	-0.001	9642	0.1105	
33 Isophorone	82	7.974	7.975	-0.001	13569	0.0995	
34 2-Nitrophenol	139	8.051	8.052	-0.001	3195	0.0860	
35 2,4-Dimethylphenol	107	8.061	8.066	-0.005	7921	0.1028	
37 Bis(2-chloroethoxy)methane	93	8.147	8.148	-0.001	9753	0.1146	
38 2,4-Dichlorophenol	162	8.253	8.254	-0.001	5449	0.0935	
39 1,2,4-Trichlorobenzene	180	8.330	8.331	-0.001	9053	0.0187	
40 Alpha-Terpineol	59	8.392	8.393	-0.001	7158	0.1057	
41 Naphthalene	128	8.402	8.408	-0.006	28782	0.1181	
42 4-Chloroaniline	127	8.436	8.442	-0.006	9115	0.0973	
43 Hexachlorobutadiene	225	8.503	8.504	-0.001	4158	0.1054	
44 Caprolactam	55	8.700	8.725	-0.025	2836	0.0987	
45 4-Chloro-3-methylphenol	107	8.830	8.831	-0.001	5210	0.0884	
46 2-Methylnaphthalene	142	8.993	8.995	-0.002	18800	0.1168	
47 1-Methylnaphthalene	142	9.080	9.081	-0.001	17639	0.1129	
48 Hexachlorocyclopentadiene	237	9.123	9.124	-0.001	2496	0.1477	
49 1,2,4,5-Tetrachlorobenzene	216	9.133	9.134	-0.001	7286	0.1142	
50 2,4,6-Trichlorophenol	196	9.224	9.225	-0.001	3472	0.1065	
51 2,4,5-Trichlorophenol	196	9.253	9.254	-0.001	3591	0.1345	
52 1,1'-Biphenyl	154	9.378	9.379	-0.001	23267	0.1088	
53 2-Chloronaphthalene	162	9.407	9.413	-0.006	20298	0.0999	
54 Phenyl ether	170	9.465	9.466	-0.001	12367	0.1218	
68 4-Nitroaniline	138	9.479	9.485	-0.006	3888	0.1436	
56 Dimethyl phthalate	163	9.614	9.615	-0.001	16381	0.0884	
57 2,6-Dinitrotoluene	165	9.676	9.677	-0.001	2779	0.1031	
58 Acenaphthylene	152	9.763	9.764	-0.001	23235	0.0904	
59 3-Nitroaniline	138	9.825	9.826	-0.001	2629	0.1314	
61 Acenaphthene	153	9.907	9.908	-0.001	18666	0.1048	
62 4-Nitrophenol	109	9.936	9.937	-0.001	1083	0.1757	
63 2,4-Dinitrotoluene	165	10.018	10.019	-0.001	2991	0.1474	
64 Dibenzofuran	168	10.051	10.052	-0.001	25803	0.1113	
65 2,3,4,6-Tetrachlorophenol	232	10.143	10.144	-0.001	1740	0.1473	
66 Diethyl phthalate	149	10.196	10.202	-0.006	20712	0.1066	
67 4-Chlorophenyl phenyl ether	204	10.321	10.322	-0.001	9696	0.1100	
69 Fluorene	166	10.340	10.341	-0.001	18875	0.0987	
55 2-Nitroaniline	65	10.335	10.341	-0.006	2309	0.1127	M
71 Diphenylamine	169	10.412	10.418	-0.006	14961	0.0951	
72 N-Nitrosodiphenylamine	169	10.412	10.418	-0.006	14961	0.0951	
74 Azobenzene	77	10.455	10.456	-0.001	24068	0.0813	
73 1,2-Diphenylhydrazine	77	10.455	10.456	-0.001	24068	0.0813	
13 Benzophenone	105	10.465	10.466	-0.001	14090	0.0813	
75 4-Bromophenyl phenyl ether	248	10.734	10.735	-0.001	3997	0.0913	
76 Hexachlorobenzene	284	10.806	10.807	-0.001	4483	0.1073	
77 Atrazine	200	10.840	10.841	-0.001	3467	0.0800	
79 Pentachloronitrobenzene	237	10.975	10.976	-0.001	1263	0.1427	
80 Phenanthrene	178	11.153	11.154	-0.001	25736	0.1044	
81 Anthracene	178	11.196	11.197	-0.001	21737	0.0938	
83 Carbazole	167	11.321	11.317	0.004	20000	0.1031	

Report Date: 28-Sep-2009 07:16:01 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10547.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	11.561	11.562	-0.001	36373	0.1203	
87 Fluoranthene	202	12.172	12.173	-0.001	21883	0.0992	
85 Pyrene	202	12.398	12.399	-0.001	22633	0.1091	
89 Butyl benzyl phthalate	149	13.071	13.072	-0.001	7616	0.0813	
91 3,3'-Dichlorobenzidine	252	13.947	13.948	-0.002	1881	0.1535	
92 Bis(2-ethylhexyl) phthalate	149	13.980	13.981	-0.001	10892	0.1418	
93 Benzo[a]anthracene	228	14.019	14.025	-0.006	14227	0.1012	
94 Chrysene	228	14.091	14.092	-0.001	13725	0.1028	
95 Di-n-octyl phthalate	149	15.370	15.376	-0.006	9319	0.5661	
97 Benzo[b]fluoranthene	252	15.981	15.982	-0.001	11786	0.0989	
98 Benzo[k]fluoranthene	252	16.014	16.020	-0.006	11317	0.1037	
99 Benzo[a]pyrene	252	16.447	16.448	-0.001	7521	0.1522	
100 Indeno[1,2,3-cd]pyrene	276	18.323	18.333	-0.011	5406	0.1411	
101 Dibenz(a,h)anthracene	278	18.356	18.367	-0.011	4346	0.1494	
102 Benzo[g,h,i]perylene	276	18.866	18.867	-0.001	6794	0.1203	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 28-Sep-2009 07:16:01 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10547.D

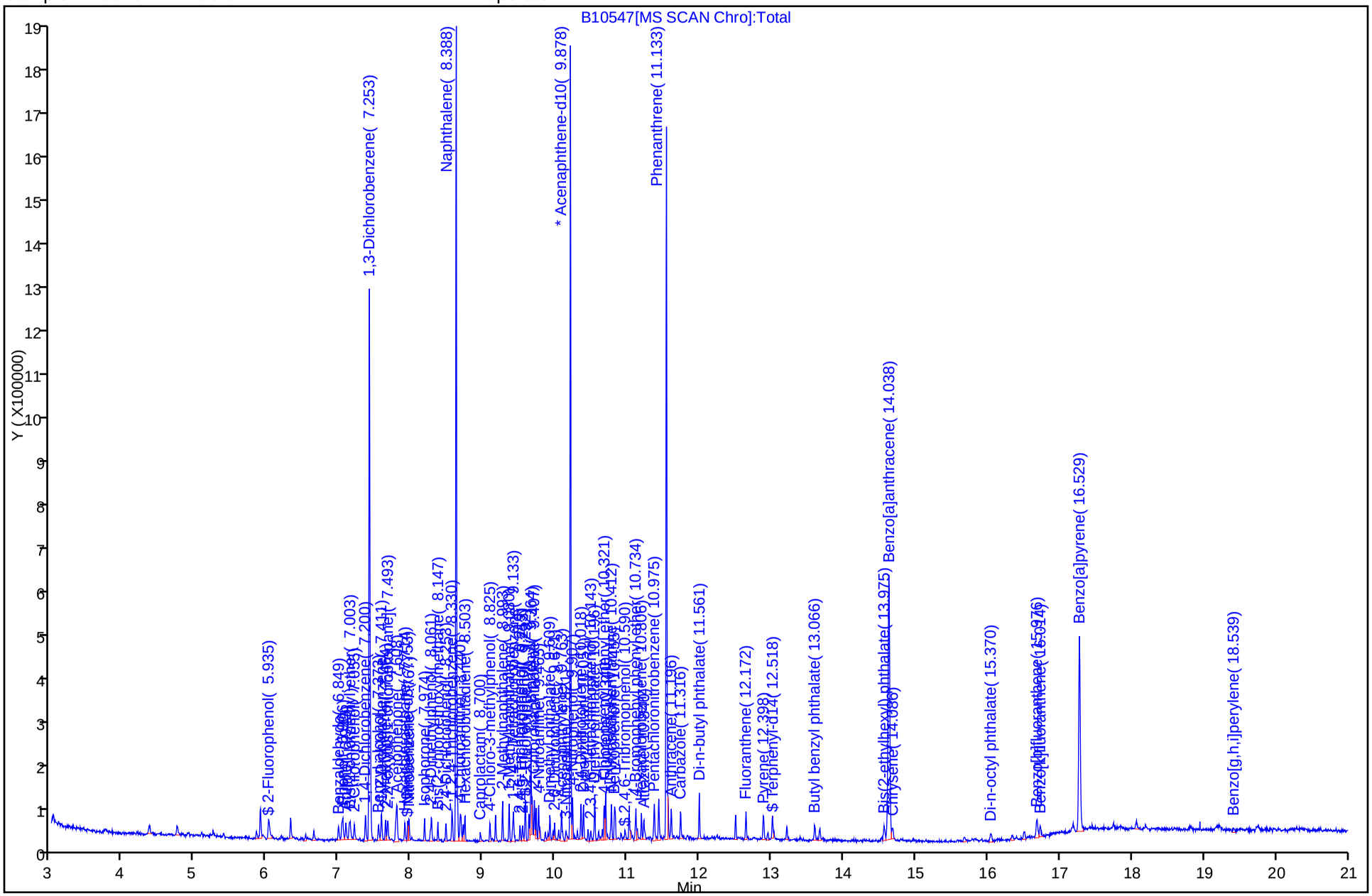
Inj Date: 25-Sep-2009 17:51:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49509 Lims Sample ID: 3

Client ID: Instrument: Inst. B

Sample Info: std01

Sample Amount: 1.00 ul Operator: MZ



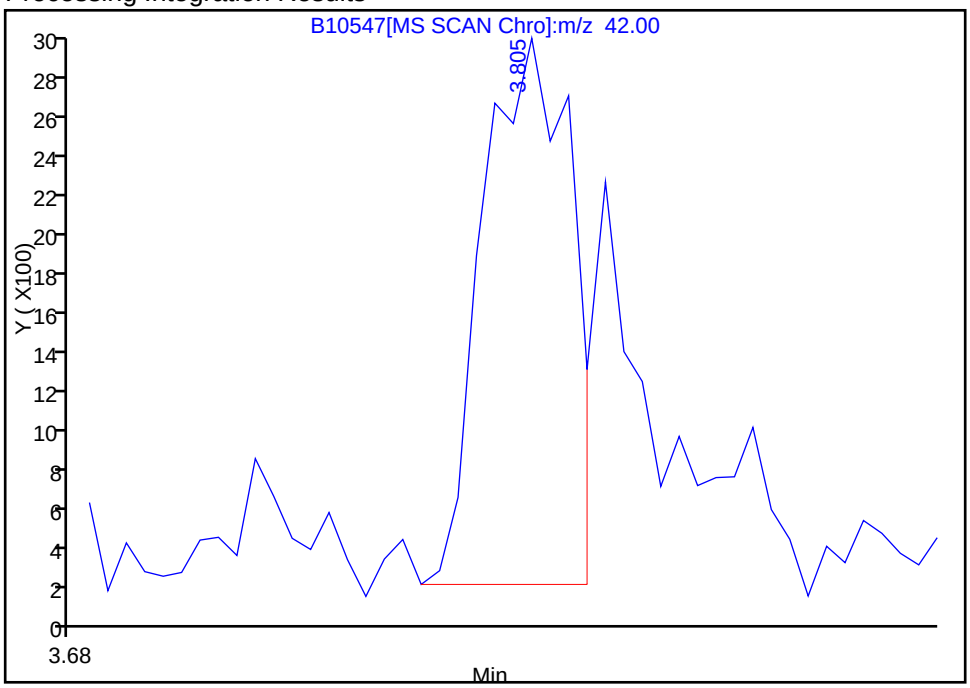
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10547.D		
Inj Date:	25-Sep-2009 17:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

15 N-Nitrosodimethylamine, Number: 1, m/z: 42 Type: quant, RT: 3.81

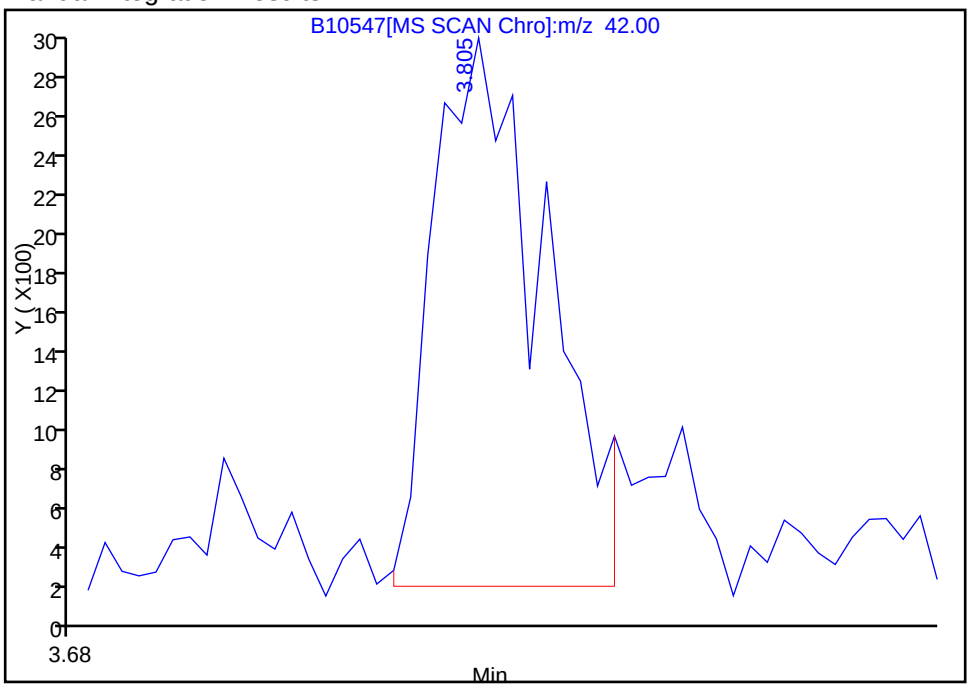
Processing Integration Results

RT: 3.80
Response: 4429
Amount: 0.093760



Manual Integration Results

RT: 3.80
Response: 6038
Amount: 0.110240



Reviewer: sullivanp, 26-Sep-2009 17:01:31
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

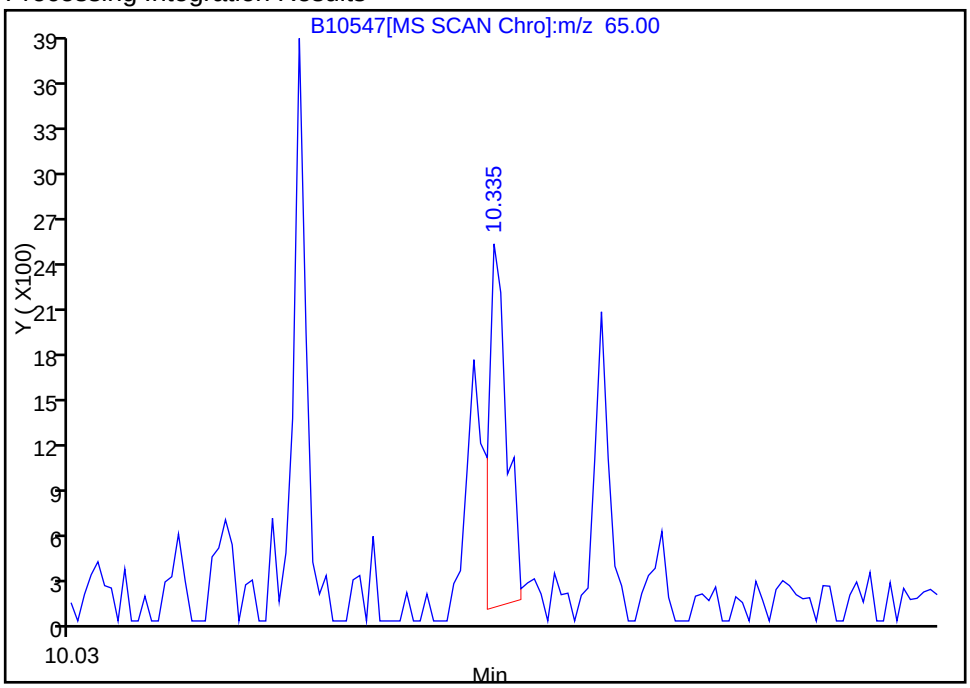
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10547.D		
Inj Date:	25-Sep-2009 17:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

55 2-Nitroaniline, Number: 1, m/z: 65 Type: quant, RT: 10.34

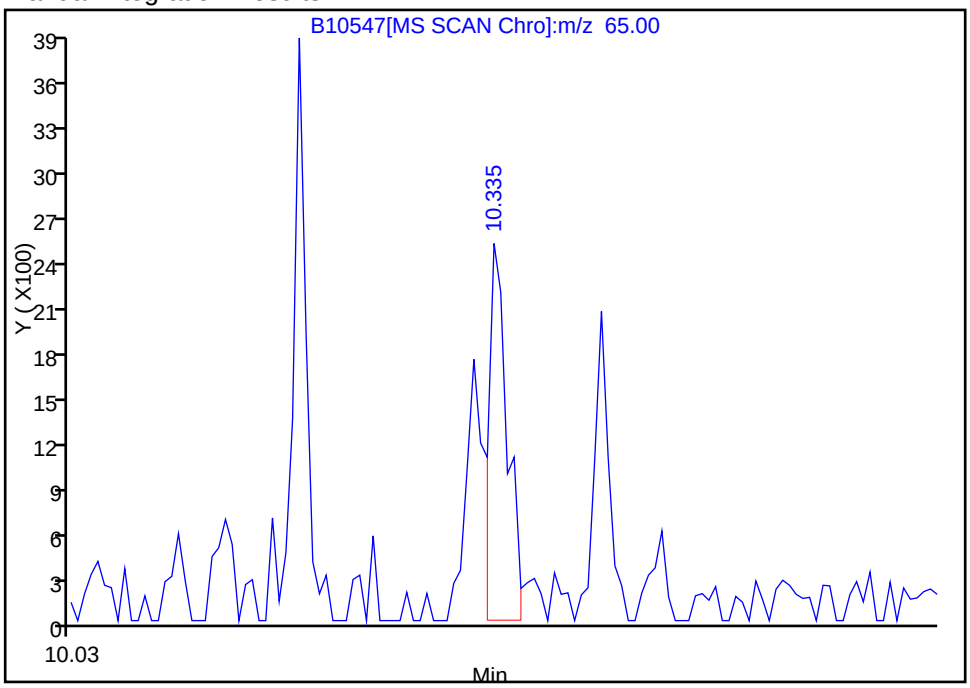
Processing Integration Results

RT: 10.34
Response: 2125
Amount: 0.100000



Manual Integration Results

RT: 10.34
Response: 2309
Amount: 0.112684



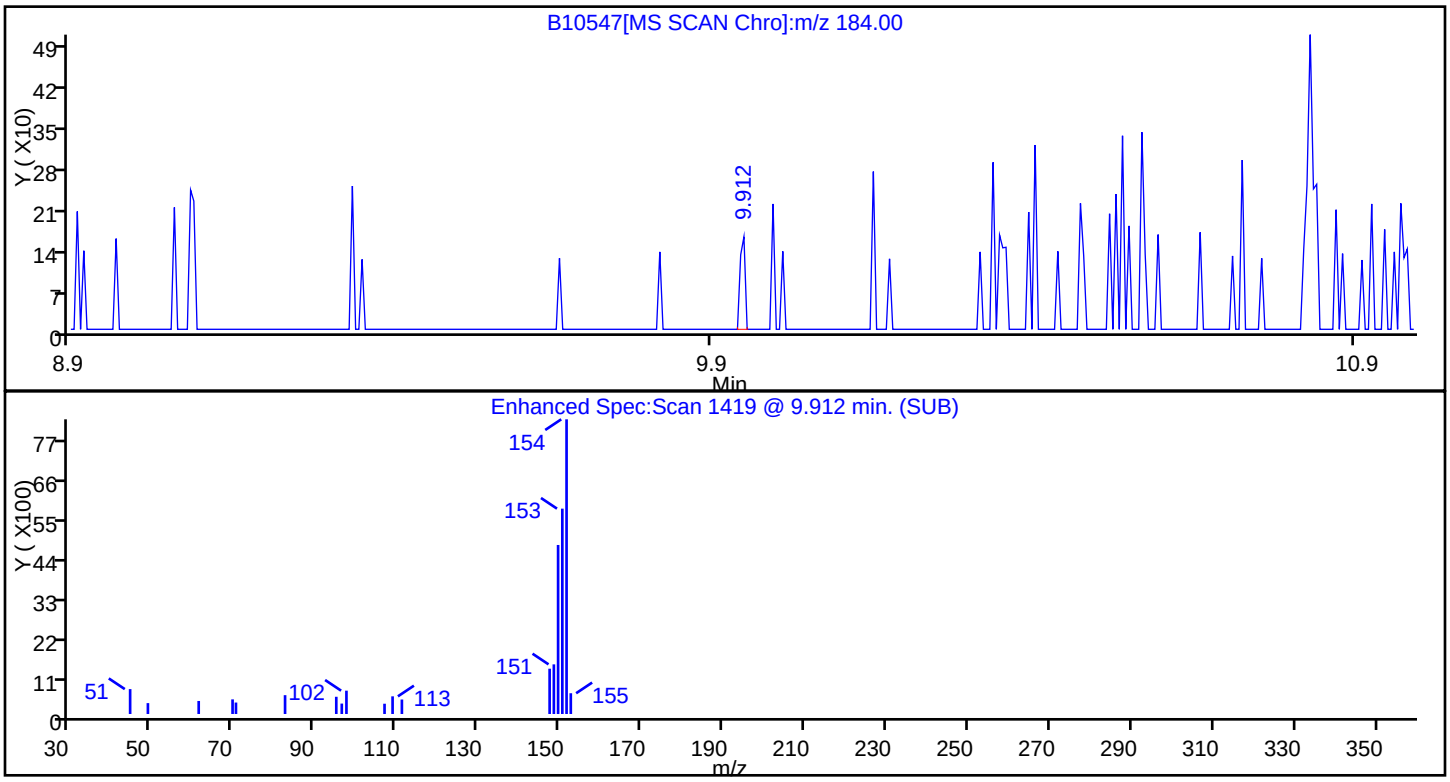
Reviewer: sullivanp, 26-Sep-2009 17:01:31
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10547.D		
Inj Date:	25-Sep-2009 17:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
9.91	184.00	83	0.100000
9.91	63.00	1757	
9.91	154.00	16980	

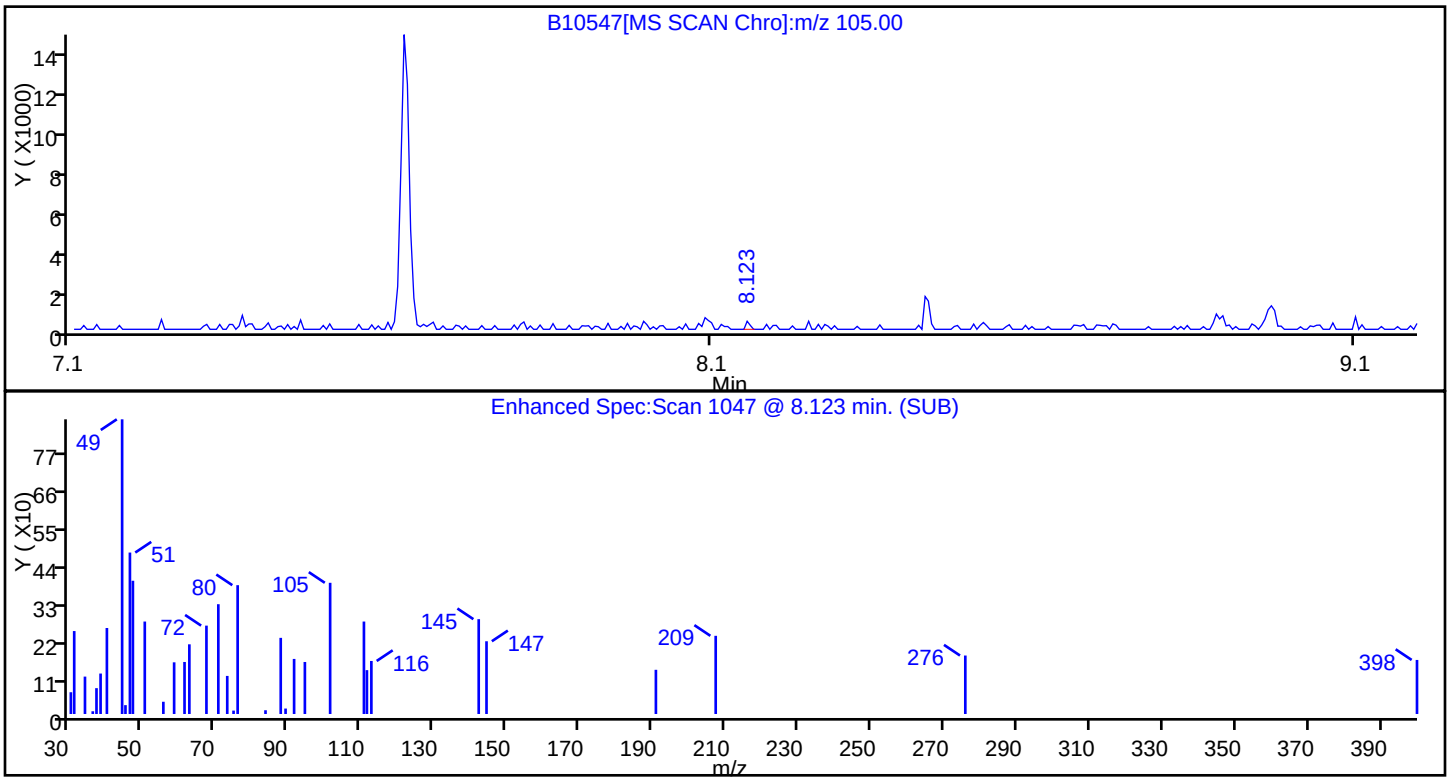
Reviewer: sullivanp, 26-Sep-2009 17:01:31
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10547.D		
Inj Date:	25-Sep-2009 17:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
8.12	105.00	164	0.100000
8.13	122.00	195	
8.12	77.00	244	

Reviewer: sullivanp, 26-Sep-2009 17:01:31
Audit Action: Marked Compound Undetected
Audit Reason:

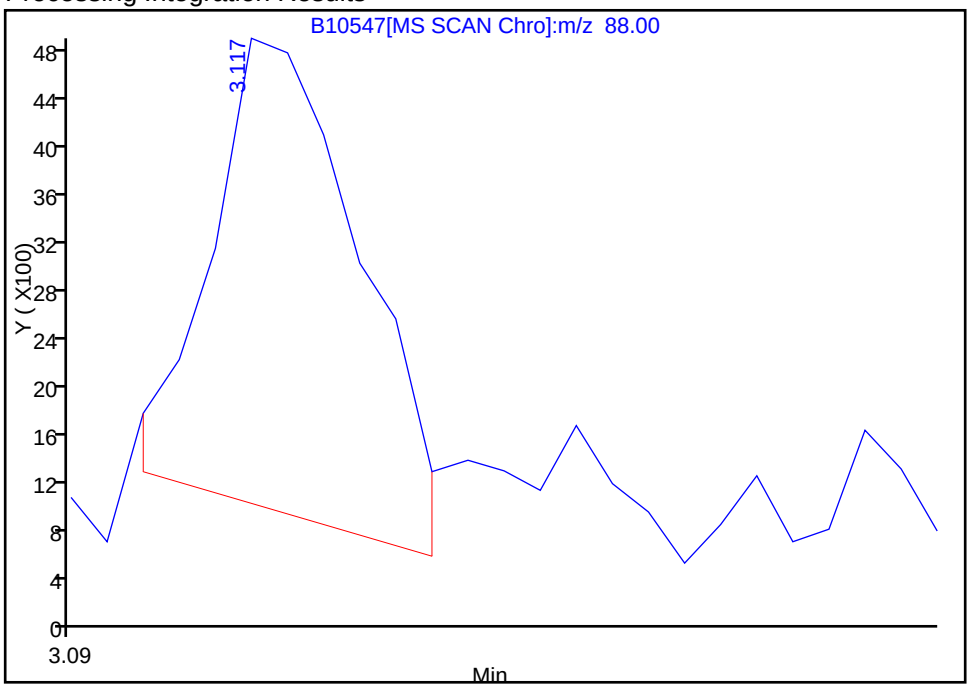
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10547.D		
Inj Date:	25-Sep-2009 17:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

14 1,4-Dioxane, Number: 1, m/z: 88 Type: quant, RT: 3.14

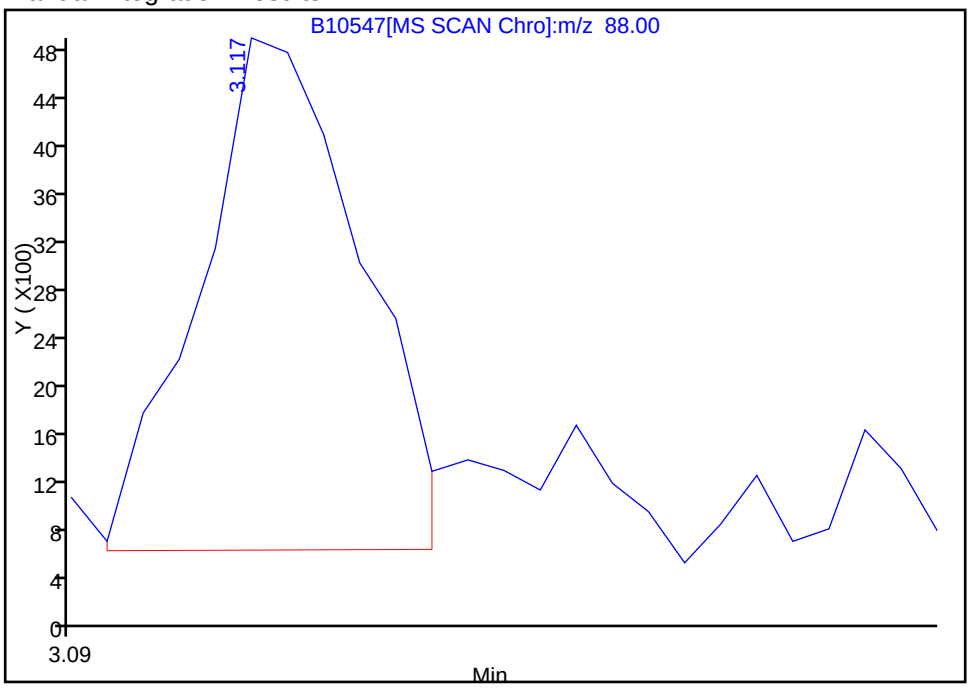
Processing Integration Results

RT: 3.12
Response: 5612
Amount: 0.100000



Manual Integration Results

RT: 3.12
Response: 6426
Amount: 0.059630



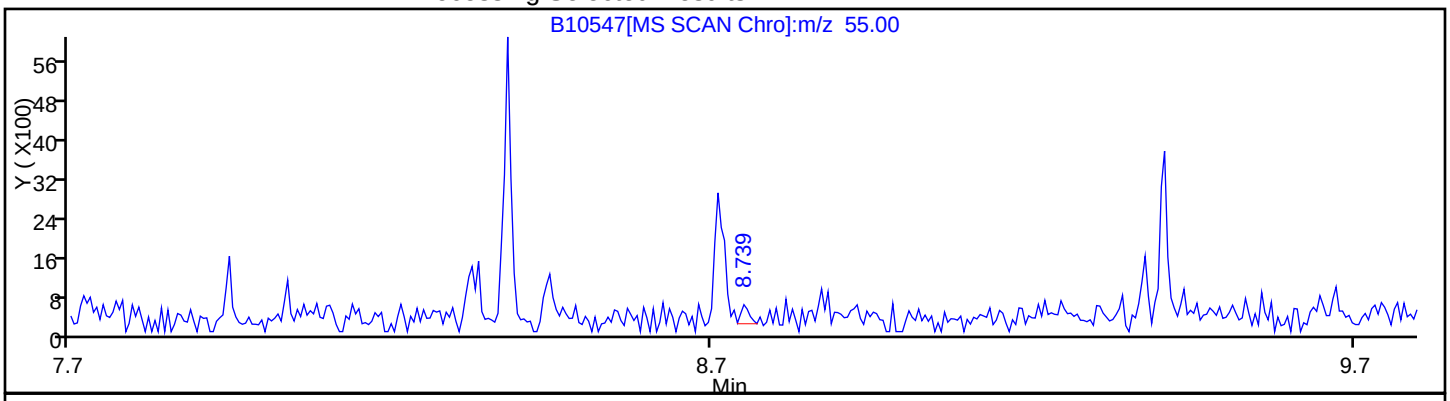
Reviewer: sullivanp, 26-Sep-2009 17:01:31
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

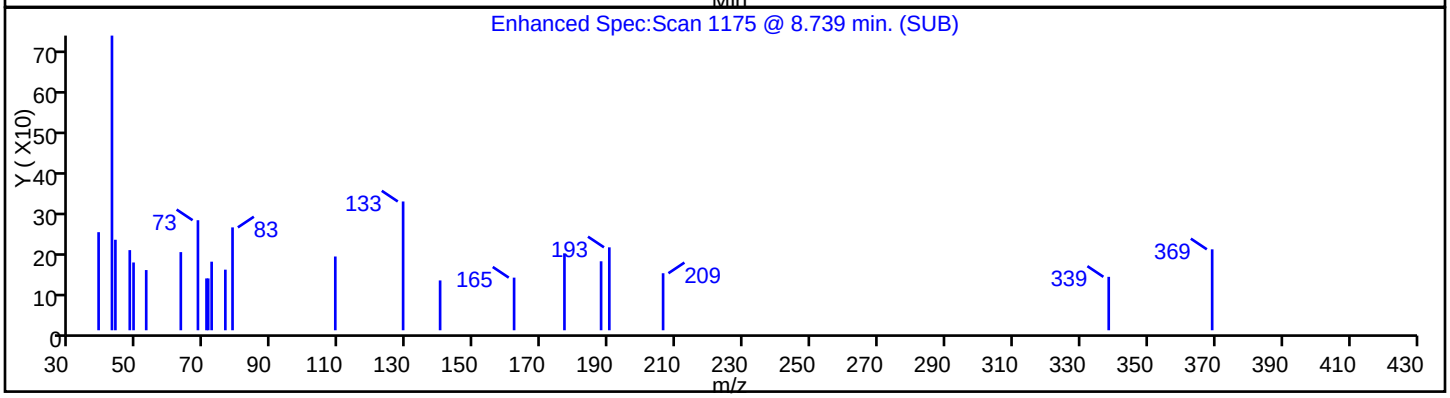
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10547.D		
Inj Date:	25-Sep-2009 17:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

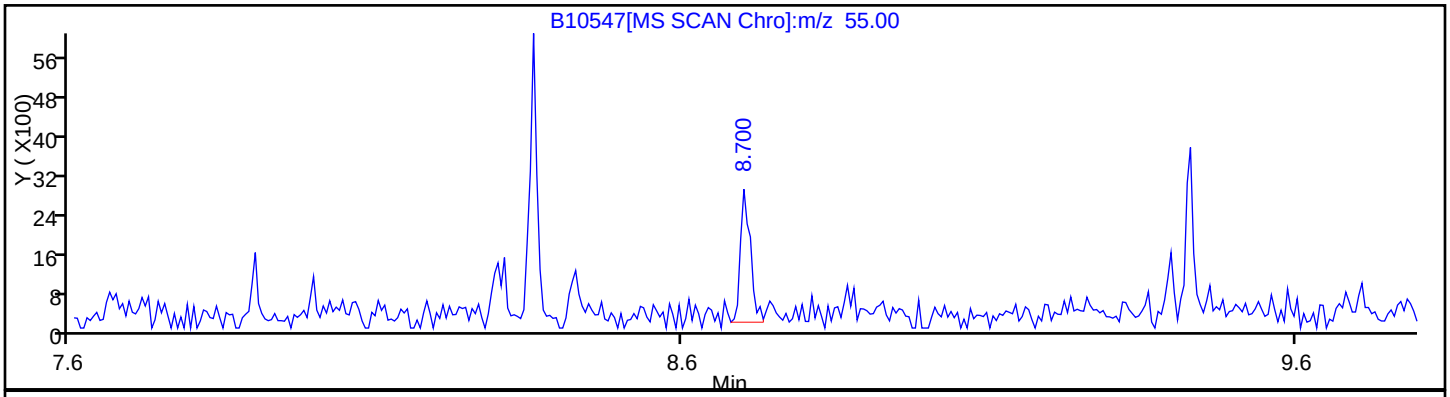
44 Caprolactam

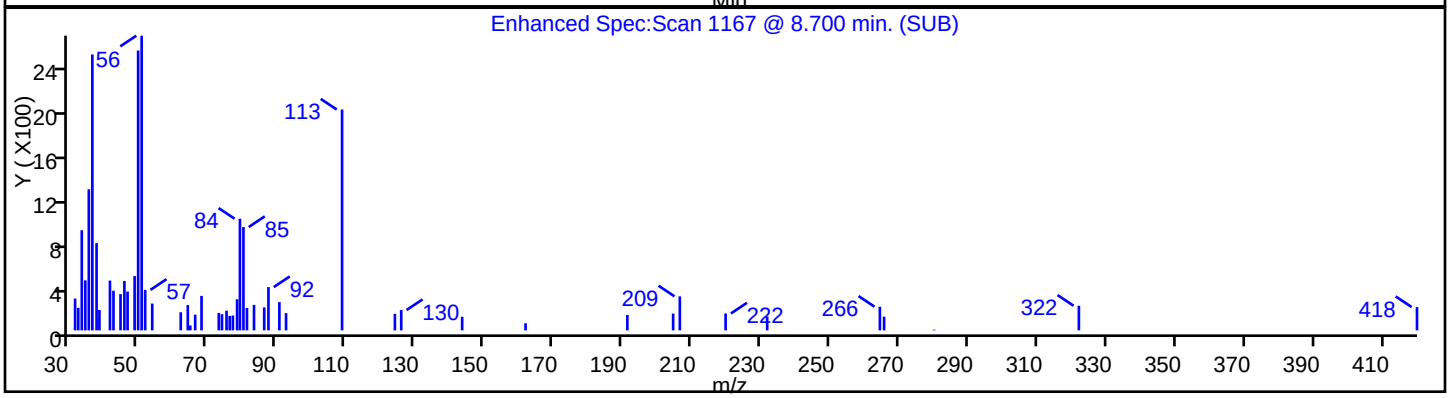
Processing Selected Results





Manual Selected Results





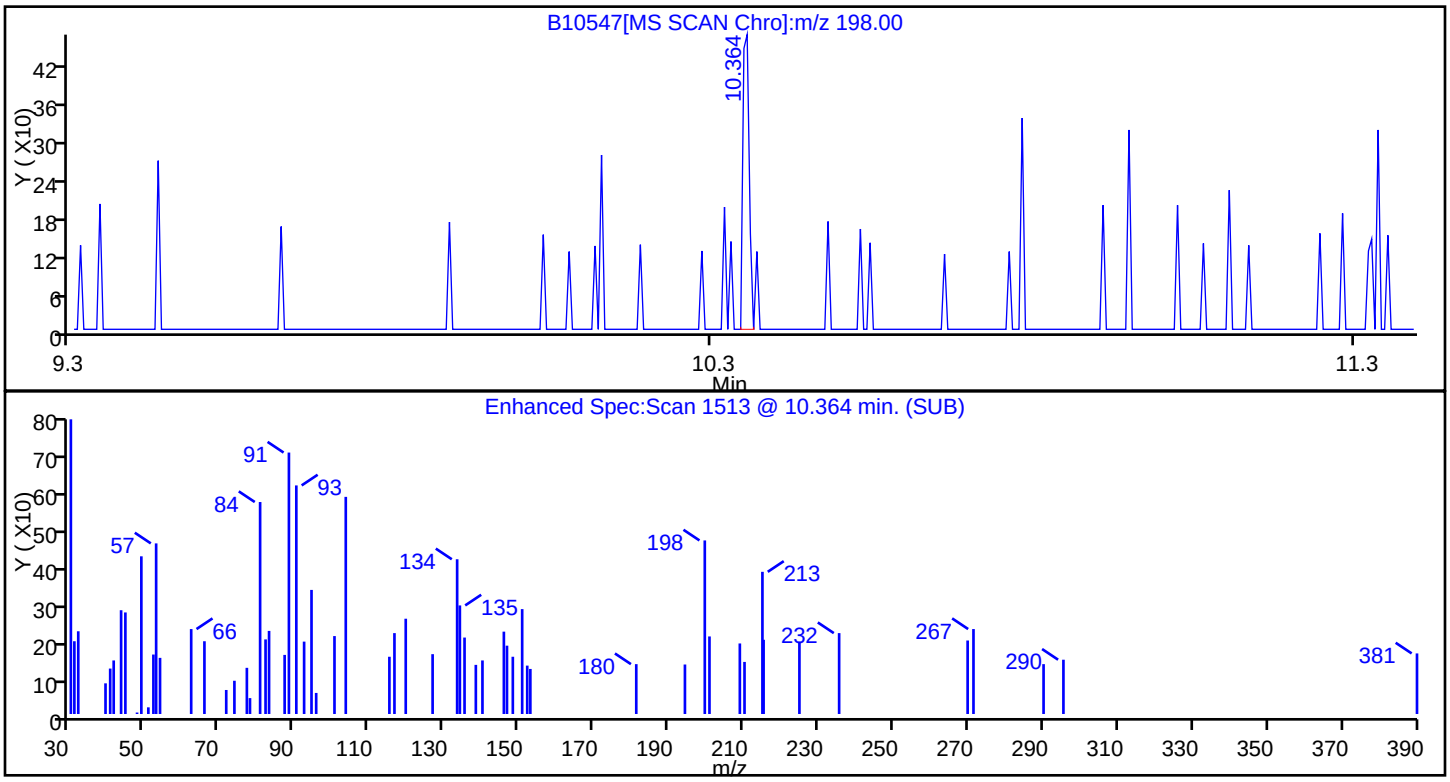
Reviewer: sullivanp, 26-Sep-2009 17:01:31
Audit Action: Selected Alternate Hit
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10547.D		
Inj Date:	25-Sep-2009 17:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

70 4,6-Dinitro-2-methylphenol

Processing Results



RT	Mass	Response	Amount
10.36	198.00	309	0.100000
10.36	121.00	275	
10.36	105.00	546	

Reviewer: sullivanp, 26-Sep-2009 17:01:31
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10548.D		
Lims ID:	std025	Client ID:	
Inject. Date:	25-Sep-2009 18:18:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	std025		
Misc. Info.:	360-0001300-004		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	49509	Lims Sample ID:	4
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:15:44	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:02:56
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:16:08

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	7.252	7.254	-0.002	313943	2.00	
* 2 Naphthalene-d8	136	8.387	8.389	-0.002	750245	2.00	
* 3 Acenaphthene-d10	164	9.878	9.879	-0.001	350543	2.00	
* 4 Phenanthrene-d10	188	11.133	11.134	-0.001	563236	2.00	
* 5 Chrysene-d12	240	14.038	14.044	-0.006	372992	2.00	
* 6 Perylene-d12	264	16.529	16.530	-0.001	257009	2.00	
$ 7 2-Fluorophenol	112	5.940	5.941	-0.001	19089	0.2337	
$ 8 Phenol-d5	99	6.892	6.898	-0.006	26270	0.2531	
$ 9 Nitrobenzene-d5	82	7.753	7.754	-0.001	26720	0.2631	
$ 10 2-Fluorobiphenyl	172	9.291	9.293	-0.002	55735	0.2405	
$ 11 2,4,6-Tribromophenol	330	10.542	10.543	-0.001	2809	0.2297	
$ 12 Terphenyl-d14	244	12.518	12.519	-0.001	36357	0.2519	
14 1,4-Dioxane	88	3.141	3.137	0.004	11641	0.2514	
15 N-Nitrosodimethylamine	42	3.814	3.806	0.008	16081	0.2664	
17 Benzaldehyde	105	6.848	6.850	-0.002	14651	0.2572	
18 Phenol	94	6.906	6.908	-0.002	28129	0.2587	
19 Aniline	93	6.945	6.946	-0.001	31585	0.2493	
20 Bis(2-chloroethyl)ether	93	7.002	7.004	-0.002	22940	0.2692	
21 2-Chlorophenol	128	7.055	7.057	-0.002	25041	0.2653	
22 1,4-Dichlorobenzene	146	7.200	7.201	-0.001	32160	0.2807	
23 1,3-Dichlorobenzene	146	7.267	7.268	-0.001	34144	0.2853	
24 Benzyl alcohol	79	7.373	7.374	-0.001	18262	0.2425	
25 1,2-Dichlorobenzene	146	7.411	7.412	-0.001	32073	0.2860	
26 2-Methylphenol	108	7.464	7.465	-0.001	21363	0.2608	
27 2,2'-oxybis[1-chloropropane]	45	7.493	7.494	-0.001	44885	0.2828	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	7.594	7.600	-0.006	21659	0.2512	
29 N-Nitrosodi-n-propylamine	70	7.608	7.610	-0.002	15363	0.2380	
30 Acetophenone	105	7.613	7.614	-0.001	32421	0.2570	
31 Hexachloroethane	117	7.714	7.715	-0.001	10938	0.2596	
32 Nitrobenzene	77	7.772	7.773	-0.001	25198	0.2532	
33 Isophorone	82	7.974	7.975	-0.001	36250	0.2331	
34 2-Nitrophenol	139	8.051	8.052	-0.001	10065	0.2378	
35 2,4-Dimethylphenol	107	8.060	8.066	-0.006	23925	0.2723	
37 Bis(2-chloroethoxy)methane	93	8.147	8.148	-0.001	26235	0.2704	
38 2,4-Dichlorophenol	162	8.253	8.254	-0.001	17854	0.2686	
39 1,2,4-Trichlorobenzene	180	8.330	8.331	-0.001	24329	0.1834	
40 Alpha-Terpineol	59	8.392	8.393	-0.001	20351	0.2636	
41 Naphthalene	128	8.407	8.408	-0.001	76156	0.2741	
42 4-Chloroaniline	127	8.435	8.442	-0.007	27285	0.2556	
43 Hexachlorobutadiene	225	8.503	8.504	-0.001	12481	0.2774	
44 Caprolactam	55	8.705	8.725	-0.020	6175	0.1886	
45 4-Chloro-3-methylphenol	107	8.830	8.831	-0.001	17112	0.2546	
46 2-Methylnaphthalene	142	8.993	8.995	-0.002	49730	0.2710	
47 1-Methylnaphthalene	142	9.080	9.081	-0.001	48506	0.2724	
48 Hexachlorocyclopentadiene	237	9.123	9.124	-0.001	6966	0.2453	
49 1,2,4,5-Tetrachlorobenzene	216	9.133	9.134	-0.001	19464	0.2677	
50 2,4,6-Trichlorophenol	196	9.224	9.225	-0.001	10980	0.2295	
51 2,4,5-Trichlorophenol	196	9.253	9.254	-0.001	11076	0.2427	
52 1,1'-Biphenyl	154	9.378	9.379	-0.001	58181	0.2377	
53 2-Chloronaphthalene	162	9.407	9.413	-0.006	56757	0.2442	
54 Phenyl ether	170	9.464	9.466	-0.002	30975	0.2676	
68 4-Nitroaniline	138	9.479	9.485	-0.006	11372	0.2398	
56 Dimethyl phthalate	163	9.614	9.615	-0.001	50709	0.2393	
57 2,6-Dinitrotoluene	165	9.671	9.677	-0.006	10227	0.2403	
58 Acenaphthylene	152	9.763	9.764	-0.001	69228	0.2355	
59 3-Nitroaniline	138	9.820	9.826	-0.006	8447	0.2354	
61 Acenaphthene	153	9.907	9.908	-0.001	48206	0.2366	
62 4-Nitrophenol	109	9.936	9.937	-0.001	2792	0.2232	
63 2,4-Dinitrotoluene	165	10.013	10.019	-0.006	10077	0.2391	
64 Dibenzofuran	168	10.051	10.052	-0.001	61866	0.2332	
65 2,3,4,6-Tetrachlorophenol	232	10.143	10.144	-0.001	6036	0.2347	
66 Diethyl phthalate	149	10.195	10.202	-0.007	50488	0.2271	
67 4-Chlorophenyl phenyl ether	204	10.320	10.322	-0.002	24377	0.2417	
69 Fluorene	166	10.340	10.341	-0.001	50101	0.2291	
55 2-Nitroaniline	65	10.335	10.341	-0.006	9424	0.2589	
70 4,6-Dinitro-2-methylphenol	198	10.359	10.360	-0.001	1677	0.7611	
71 Diphenylamine	169	10.412	10.418	-0.006	39851	0.2200	
72 N-Nitrosodiphenylamine	169	10.412	10.418	-0.006	39851	0.2200	
74 Azobenzene	77	10.455	10.456	-0.001	77592	0.2276	
73 1,2-Diphenylhydrazine	77	10.455	10.456	-0.001	77592	0.2276	
13 Benzophenone	105	10.465	10.466	-0.001	43178	0.2164	
75 4-Bromophenyl phenyl ether	248	10.734	10.735	-0.001	12189	0.2418	
76 Hexachlorobenzene	284	10.806	10.807	-0.001	11244	0.2338	
77 Atrazine	200	10.840	10.841	-0.001	10941	0.2193	
79 Pentachloronitrobenzene	237	10.974	10.976	-0.002	4064	0.2391	
80 Phenanthrene	178	11.152	11.154	-0.002	70071	0.2469	
81 Anthracene	178	11.196	11.197	-0.001	62301	0.2335	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.316	11.317	-0.001	54016	0.2418	
84 Di-n-butyl phthalate	149	11.561	11.562	-0.001	84232	0.2420	
87 Fluoranthene	202	12.172	12.173	-0.001	58000	0.2283	
85 Pyrene	202	12.403	12.399	0.004	60232	0.2468	
89 Butyl benzyl phthalate	149	13.071	13.072	-0.001	21576	0.1957	
91 3,3'-Dichlorobenzidine	252	13.941	13.948	-0.007	5693	0.2222	
92 Bis(2-ethylhexyl) phthalate	149	13.980	13.981	-0.001	25737	0.2155	
93 Benzo[a]anthracene	228	14.023	14.025	-0.002	39239	0.2372	
94 Chrysene	228	14.091	14.092	-0.001	37296	0.2374	
95 Di-n-octyl phthalate	149	15.374	15.376	-0.002	25285	0.6121	
97 Benzo[b]fluoranthene	252	15.980	15.982	-0.002	32115	0.2181	
98 Benzo[k]fluoranthene	252	16.014	16.020	-0.006	28292	0.2098	
99 Benzo[a]pyrene	252	16.447	16.448	-0.001	18819	0.2311	
100 Indeno[1,2,3-cd]pyrene	276	18.327	18.333	-0.006	14343	0.2309	
101 Dibenz(a,h)anthracene	278	18.366	18.367	-0.001	11574	0.2400	
102 Benzo[g,h,i]perylene	276	18.856	18.867	-0.011	14200	0.2035	

Report Date: 28-Sep-2009 07:16:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10548.D

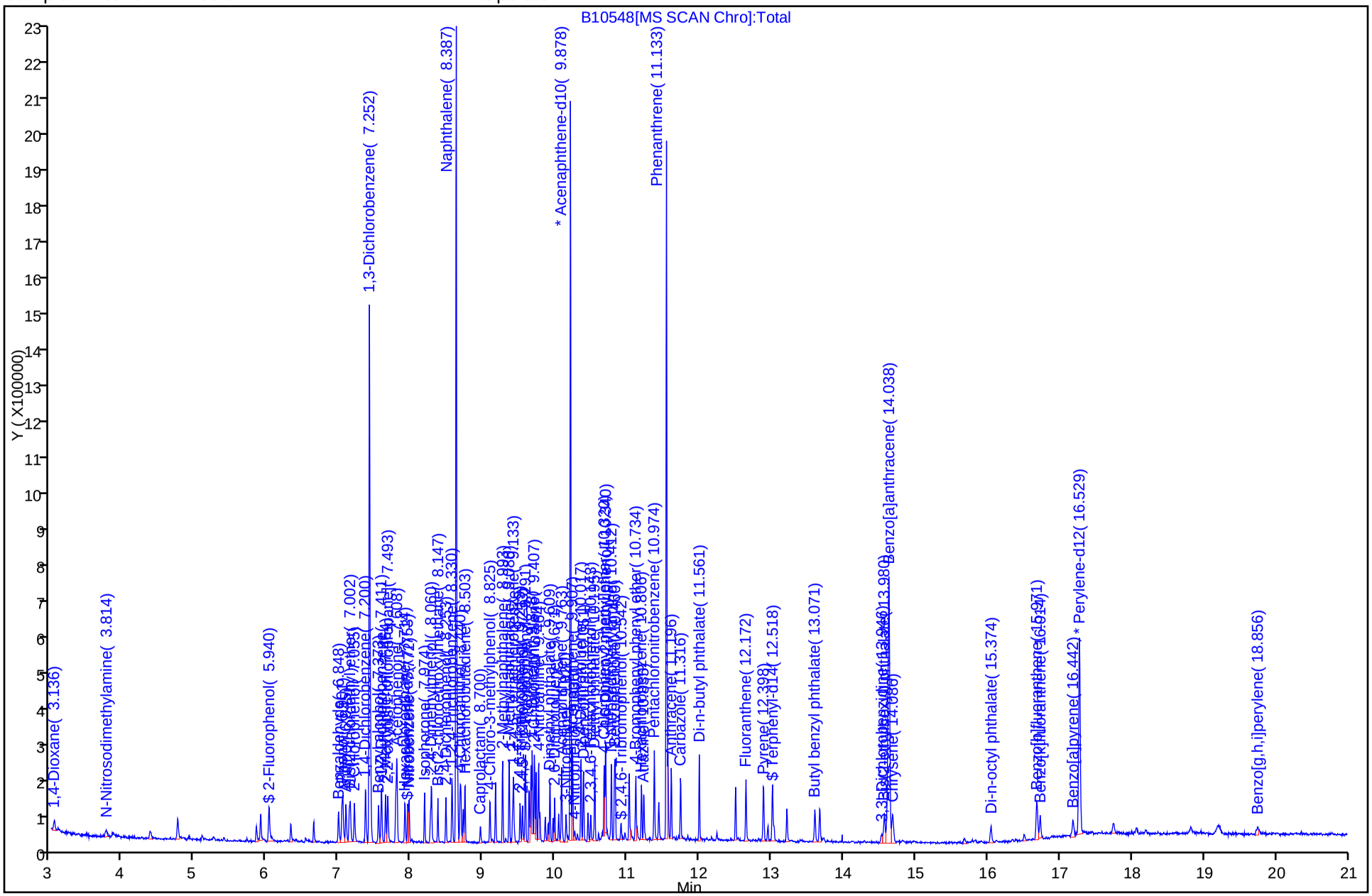
Inj Date: 25-Sep-2009 18:18:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49509 Lims Sample ID: 4

Client ID: Instrument: Inst. B

Sample Info: std025

Sample Amount: 1.00 ul Operator: MZ

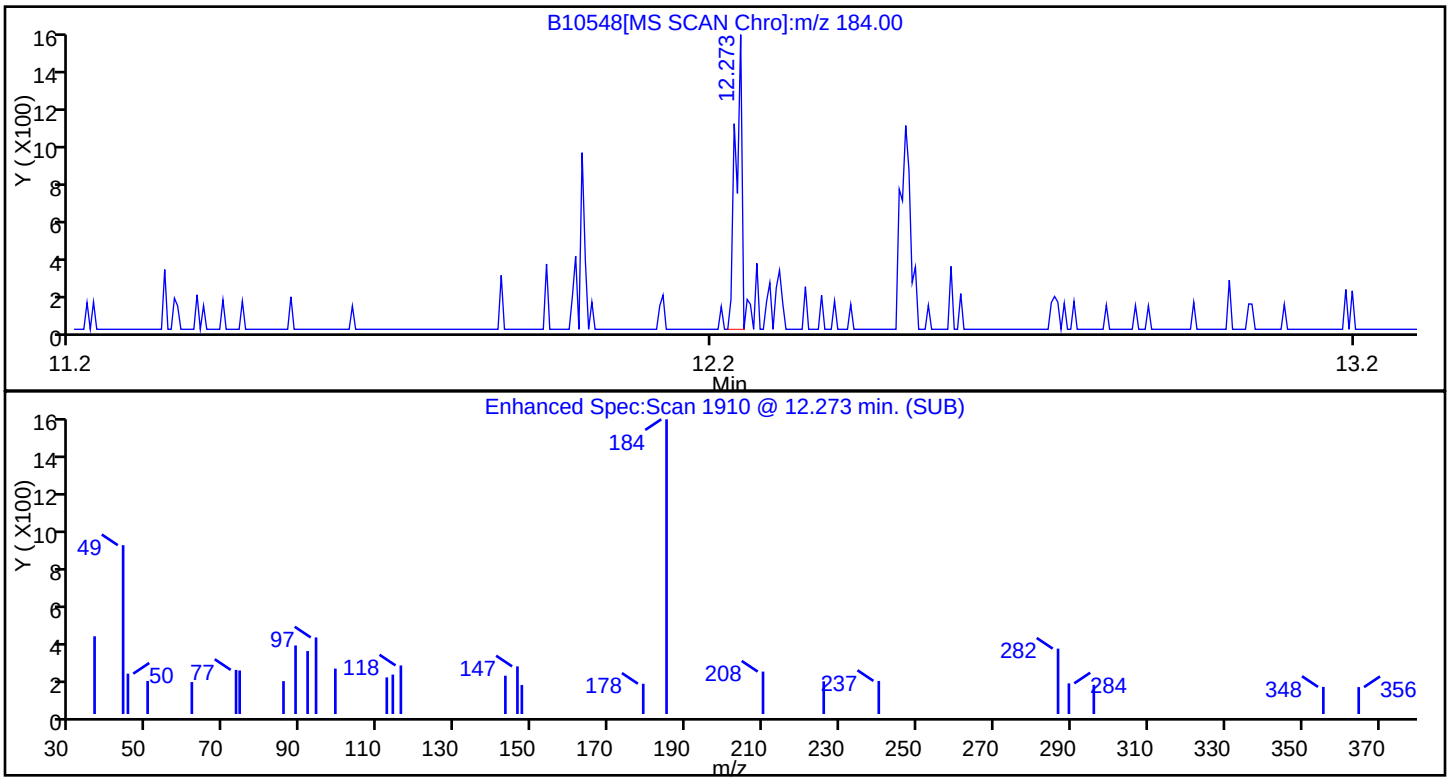


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10548.D		
Inj Date:	25-Sep-2009 18:18:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

86 Benzidine

Processing Results



RT	Mass	Response	Amount
12.27	184.00	1029	0.250000
12.27	92.00	204	
12.27	156.00	99	

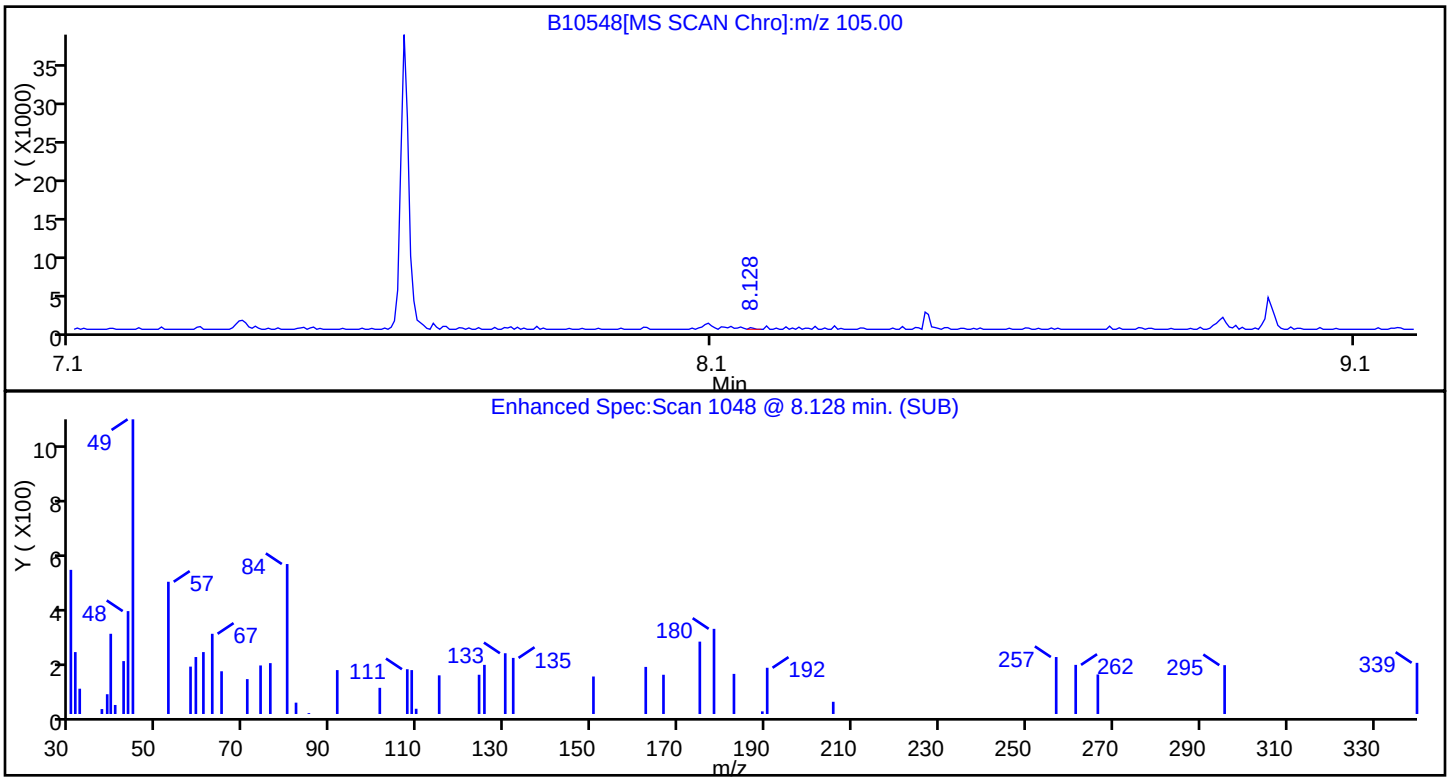
Reviewer: sullivanp, 26-Sep-2009 17:02:56
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10548.D		
Inj Date:	25-Sep-2009 18:18:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
8.13	105.00	101	0.250000
8.13	122.00	90	
8.12	77.00	93	

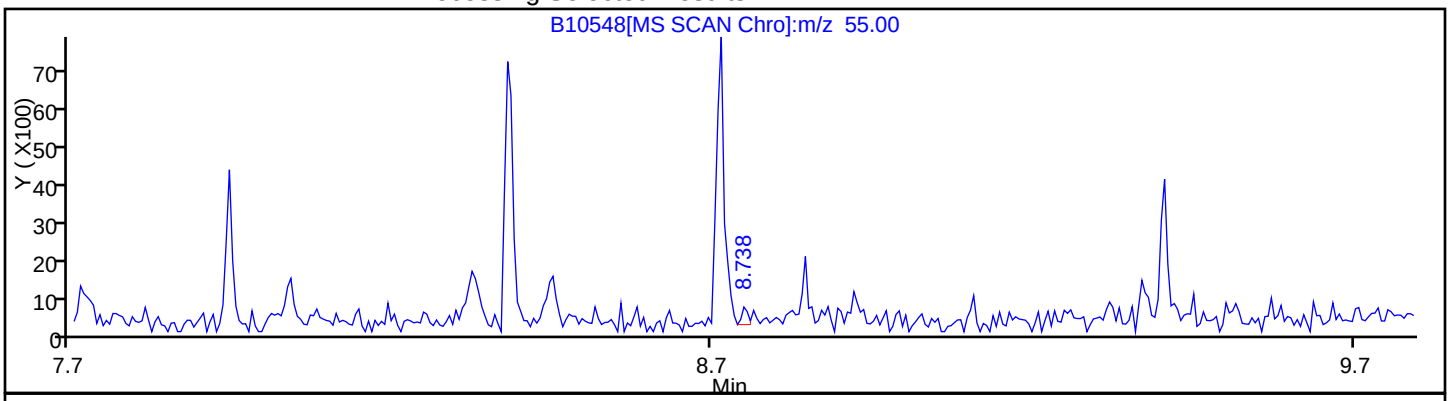
Reviewer: sullivanp, 26-Sep-2009 17:02:56
Audit Action: Marked Compound Undetected
Audit Reason:

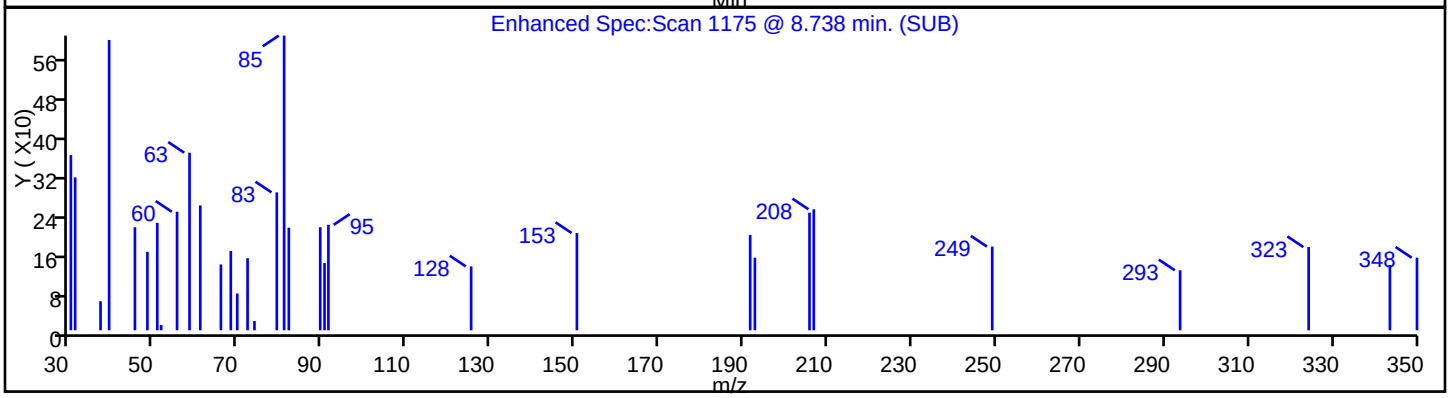
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10548.D		
Inj Date:	25-Sep-2009 18:18:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

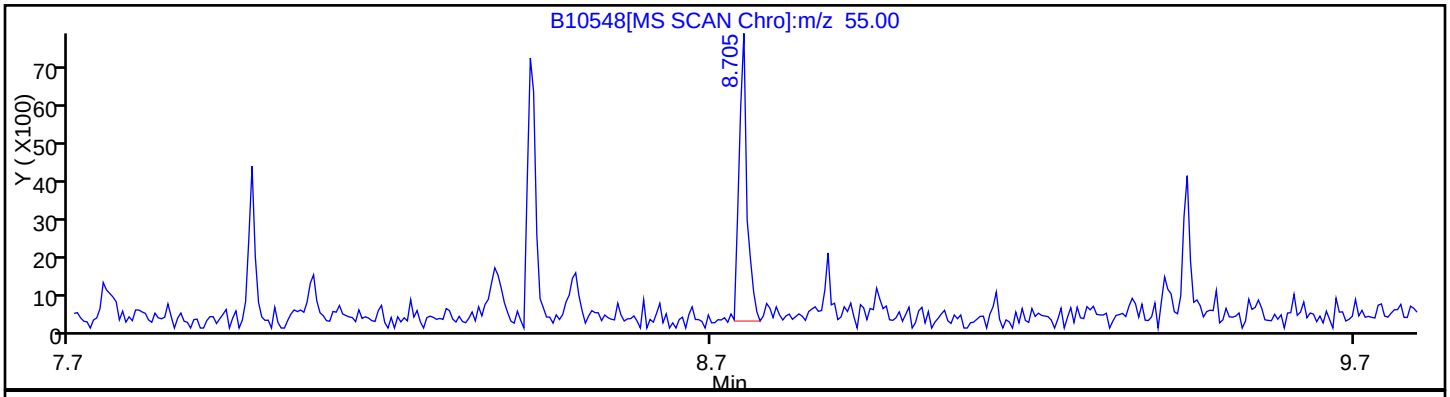
44 Caprolactam

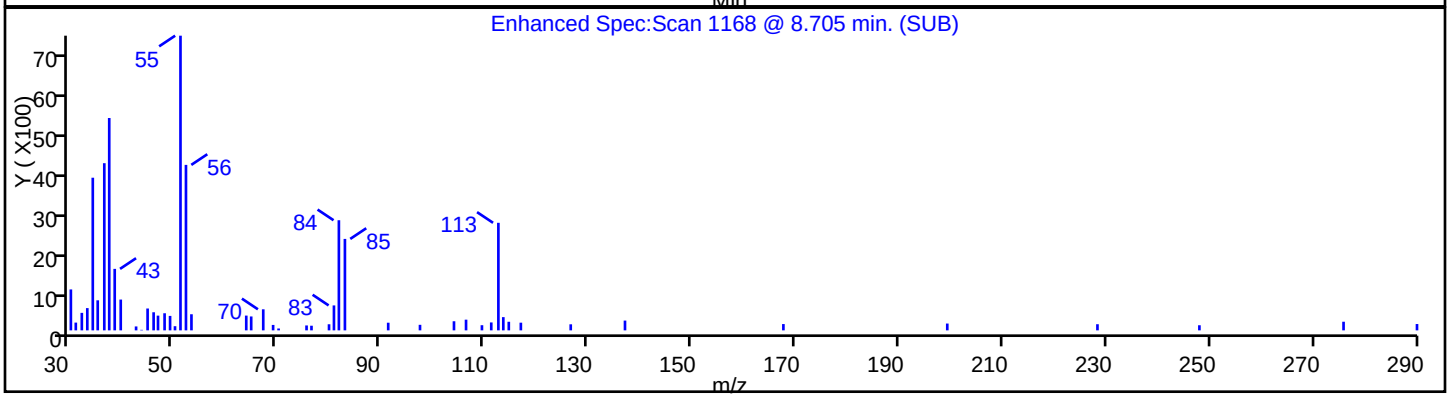
Processing Selected Results





Manual Selected Results





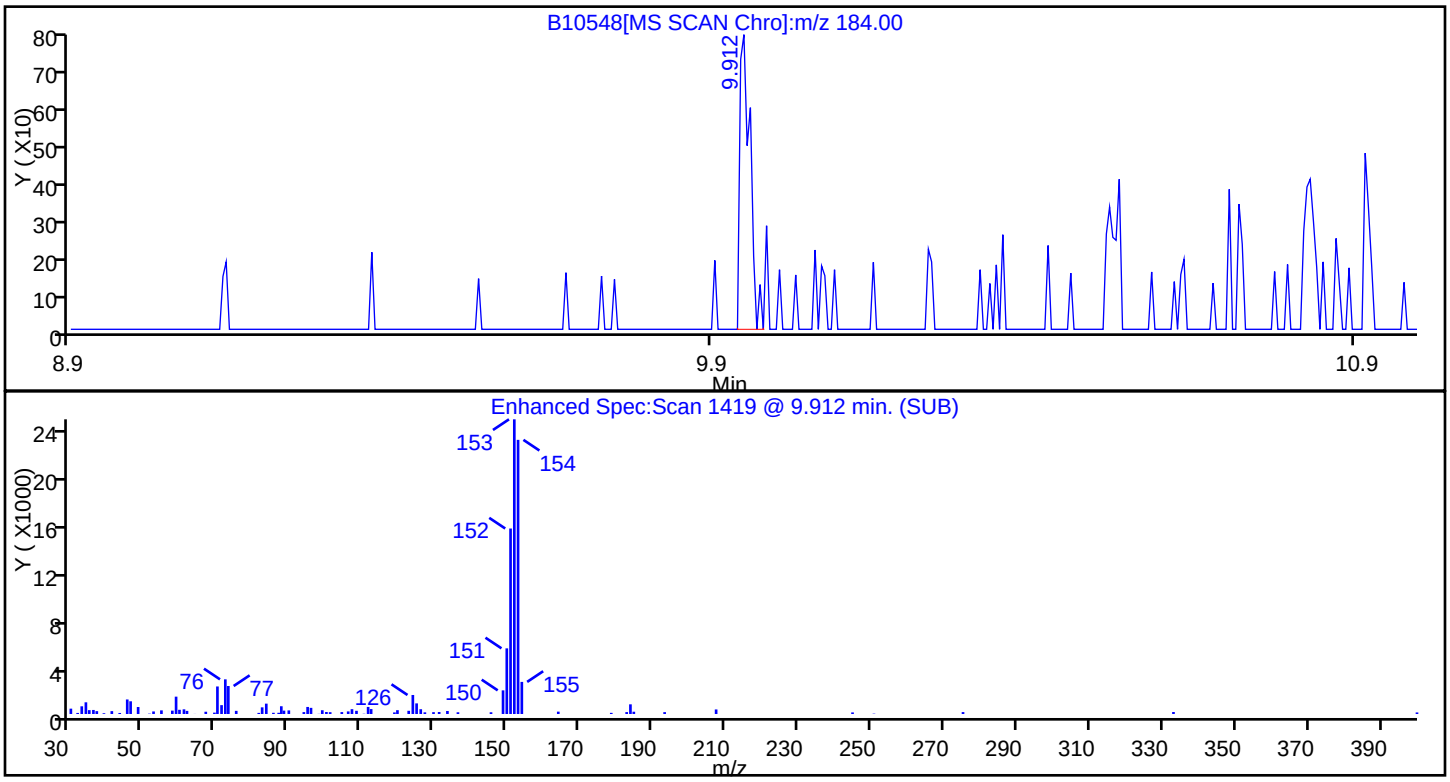
Reviewer: sullivanp, 26-Sep-2009 17:02:56
Audit Action: Selected Alternate Hit
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10548.D		
Inj Date:	25-Sep-2009 18:18:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
9.91	184.00	843	0.250000
9.91	63.00	5110	
9.91	154.00	44024	

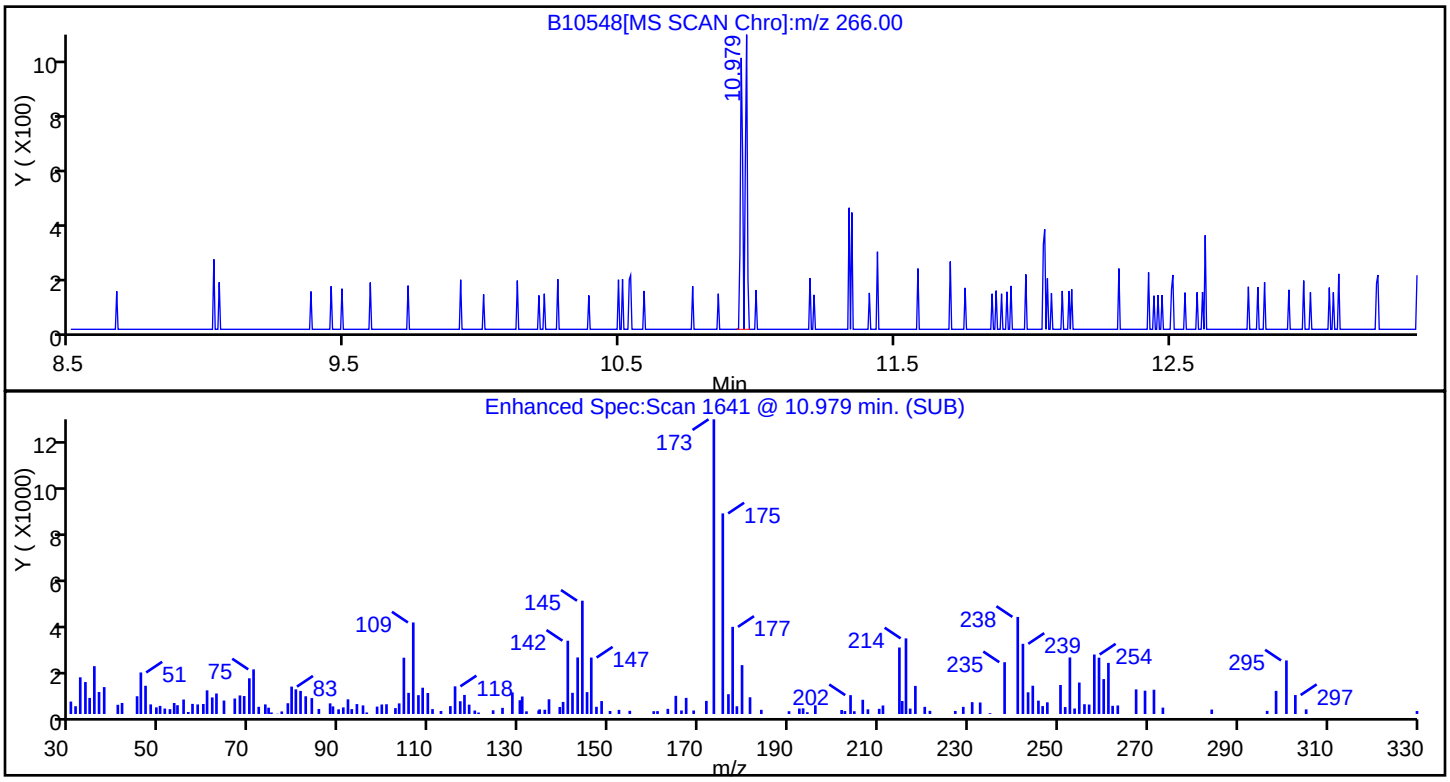
Reviewer: sullivanp, 26-Sep-2009 17:02:56
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10548.D		
Inj Date:	25-Sep-2009 18:18:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

78 Pentachlorophenol

Processing Results



RT	Mass	Response	Amount
10.98	266.00	1058	0.084469
10.99	264.00	52	
10.97	268.00	617	

Reviewer: sullivanp, 26-Sep-2009 17:02:56
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10549.D		
Lims ID:	std05	Client ID:	
Inject. Date:	25-Sep-2009 18:46:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	std05		
Misc. Info.:	360-0001300-005		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	49509	Lims Sample ID:	5
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:15:44	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:04:04
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:16:17

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	7.256	7.254	0.002	333404	2.00	
* 2 Naphthalene-d8	136	8.386	8.389	-0.003	783203	2.00	
* 3 Acenaphthene-d10	164	9.881	9.879	0.002	359755	2.00	
* 4 Phenanthrene-d10	188	11.132	11.134	-0.002	567194	2.00	
* 5 Chrysene-d12	240	14.041	14.044	-0.003	375243	2.00	
* 6 Perylene-d12	264	16.527	16.530	-0.003	263050	2.00	
$ 7 2-Fluorophenol	112	5.943	5.941	0.002	41118	0.4739	
$ 8 Phenol-d5	99	6.895	6.898	-0.003	55603	0.5045	
$ 9 Nitrobenzene-d5	82	7.756	7.754	0.002	55673	0.5252	
$ 10 2-Fluorobiphenyl	172	9.290	9.293	-0.003	115075	0.4838	
$ 11 2,4,6-Tribromophenol	330	10.540	10.543	-0.003	7544	0.4442	
$ 12 Terphenyl-d14	244	12.516	12.519	-0.003	73238	0.5043	
14 1,4-Dioxane	88	3.139	3.137	0.002	21704	0.6214	
15 N-Nitrosodimethylamine	42	3.808	3.806	0.002	34091	0.5319	
16 Pyridine	79	3.861	3.820	0.041	31169	0.4222	
17 Benzaldehyde	105	6.847	6.850	-0.003	31082	0.5138	
18 Phenol	94	6.905	6.908	-0.003	57438	0.4975	
19 Aniline	93	6.948	6.946	0.002	69150	0.5140	
20 Bis(2-chloroethyl)ether	93	7.006	7.004	0.002	46600	0.5149	
21 2-Chlorophenol	128	7.059	7.057	0.001	53815	0.5368	
22 1,4-Dichlorobenzene	146	7.203	7.201	0.002	64851	0.5330	
23 1,3-Dichlorobenzene	146	7.270	7.268	0.002	66649	0.5244	
24 Benzyl alcohol	79	7.371	7.374	-0.003	38290	0.4787	
25 1,2-Dichlorobenzene	146	7.410	7.412	-0.002	64786	0.5440	
26 2-Methylphenol	108	7.462	7.465	-0.003	44043	0.5063	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	7.491	7.494	-0.003	91885	0.5452	
28 3 & 4 Methylphenol	108	7.597	7.600	-0.003	45399	0.4958	
29 N-Nitrosodi-n-propylamine	70	7.607	7.610	-0.003	32475	0.4737	
30 Acetophenone	105	7.616	7.614	0.002	67045	0.5004	
31 Hexachloroethane	117	7.717	7.715	0.002	23124	0.5168	
32 Nitrobenzene	77	7.770	7.773	-0.003	56841	0.5471	
33 Isophorone	82	7.972	7.975	-0.003	83486	0.5142	
34 2-Nitrophenol	139	8.054	8.052	0.002	23698	0.5362	
35 2,4-Dimethylphenol	107	8.064	8.066	-0.002	49091	0.5352	
36 Benzoic acid	105	8.092	8.119	-0.027	1972	0.2169	M
37 Bis(2-chloroethoxy)methane	93	8.145	8.148	-0.003	53857	0.5317	
38 2,4-Dichlorophenol	162	8.251	8.254	-0.003	35904	0.5174	
39 1,2,4-Trichlorobenzene	180	8.333	8.331	0.002	52208	0.4884	
40 Alpha-Terpineol	59	8.391	8.393	-0.002	42541	0.5278	
41 Naphthalene	128	8.405	8.408	-0.003	154513	0.5327	
42 4-Chloroaniline	127	8.439	8.442	-0.003	60566	0.5434	
43 Hexachlorobutadiene	225	8.501	8.504	-0.003	26923	0.5732	
44 Caprolactam	55	8.703	8.725	-0.022	15468	0.4525	
45 4-Chloro-3-methylphenol	107	8.828	8.831	-0.003	38229	0.5448	
46 2-Methylnaphthalene	142	8.992	8.995	-0.003	103765	0.5416	
47 1-Methylnaphthalene	142	9.078	9.081	-0.003	101201	0.5444	
48 Hexachlorocyclopentadiene	237	9.121	9.124	-0.003	15118	0.4296	
49 1,2,4,5-Tetrachlorobenzene	216	9.136	9.134	0.002	41222	0.5430	
50 2,4,6-Trichlorophenol	196	9.222	9.225	-0.003	23205	0.4336	
51 2,4,5-Trichlorophenol	196	9.251	9.254	-0.003	24996	0.4491	
52 1,1'-Biphenyl	154	9.381	9.379	0.002	118165	0.4705	
53 2-Chloronaphthalene	162	9.410	9.413	-0.003	113092	0.4741	
54 Phenyl ether	170	9.463	9.466	-0.003	66182	0.5478	
68 4-Nitroaniline	138	9.482	9.485	-0.003	25561	0.4278	
56 Dimethyl phthalate	163	9.612	9.615	-0.003	104906	0.4824	
57 2,6-Dinitrotoluene	165	9.674	9.677	-0.003	22643	0.4706	
58 Acenaphthylene	152	9.761	9.764	-0.003	144386	0.4786	
59 3-Nitroaniline	138	9.824	9.826	-0.002	18945	0.4269	
61 Acenaphthene	153	9.905	9.908	-0.003	98573	0.4714	
60 2,4-Dinitrophenol	184	9.915	9.913	0.002	1786	0.8410	
62 4-Nitrophenol	109	9.934	9.937	-0.003	8017	0.3768	
63 2,4-Dinitrotoluene	165	10.016	10.019	-0.003	23815	0.4200	
64 Dibenzofuran	168	10.050	10.052	-0.002	131124	0.4816	
65 2,3,4,6-Tetrachlorophenol	232	10.146	10.144	0.002	15368	0.4280	
66 Diethyl phthalate	149	10.199	10.202	-0.003	108581	0.4760	
67 4-Chlorophenyl phenyl ether	204	10.319	10.322	-0.003	48192	0.4655	
69 Fluorene	166	10.338	10.341	-0.003	104883	0.4673	
55 2-Nitroaniline	65	10.333	10.341	-0.008	19563	0.4652	
70 4,6-Dinitro-2-methylphenol	198	10.362	10.360	0.002	5051	0.8602	
71 Diphenylamine	169	10.415	10.418	-0.003	86549	0.4745	
72 N-Nitrosodiphenylamine	169	10.415	10.418	-0.003	86549	0.4745	
74 Azobenzene	77	10.454	10.456	-0.002	164656	0.4797	
73 1,2-Diphenylhydrazine	77	10.454	10.456	-0.002	164656	0.4797	
13 Benzophenone	105	10.463	10.466	-0.003	91800	0.4568	
75 4-Bromophenyl phenyl ether	248	10.732	10.735	-0.003	24626	0.4851	
76 Hexachlorobenzene	284	10.809	10.807	0.002	22961	0.4741	
77 Atrazine	200	10.838	10.841	-0.003	22905	0.4559	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.963	10.970	-0.007	3406	0.7897	
79 Pentachloronitrobenzene	237	10.978	10.976	0.002	10035	0.4570	
80 Phenanthrene	178	11.151	11.154	-0.003	138870	0.4860	
81 Anthracene	178	11.199	11.197	0.002	127083	0.4729	
83 Carbazole	167	11.319	11.317	0.002	112006	0.4978	
84 Di-n-butyl phthalate	149	11.560	11.562	-0.002	165448	0.4720	
87 Fluoranthene	202	12.170	12.173	-0.003	120448	0.4708	
86 Benzidine	184	12.271	12.278	-0.007	4333	0.7956	
85 Pyrene	202	12.401	12.399	0.002	123842	0.5044	
89 Butyl benzyl phthalate	149	13.074	13.072	0.002	48307	0.4356	
91 3,3'-Dichlorobenzidine	252	13.950	13.948	0.002	15044	0.4049	
92 Bis(2-ethylhexyl) phthalate	149	13.983	13.981	0.002	62726	0.4242	
93 Benzo[a]anthracene	228	14.022	14.025	-0.003	80136	0.4814	
94 Chrysene	228	14.089	14.092	-0.003	77026	0.4874	
95 Di-n-octyl phthalate	149	15.373	15.376	-0.003	60848	0.7264	
97 Benzo[b]fluoranthene	252	15.974	15.982	-0.008	70413	0.4672	
98 Benzo[k]fluoranthene	252	16.012	16.020	-0.008	61589	0.4462	
99 Benzo[a]pyrene	252	16.445	16.448	-0.003	41894	0.4142	
100 Indeno[1,2,3-cd]pyrene	276	18.330	18.333	-0.003	29719	0.4030	
101 Dibenz(a,h)anthracene	278	18.364	18.367	-0.003	22493	0.3918	
102 Benzo[g,h,i]perylene	276	18.864	18.867	-0.003	30834	0.4316	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 28-Sep-2009 07:16:18 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10549.D

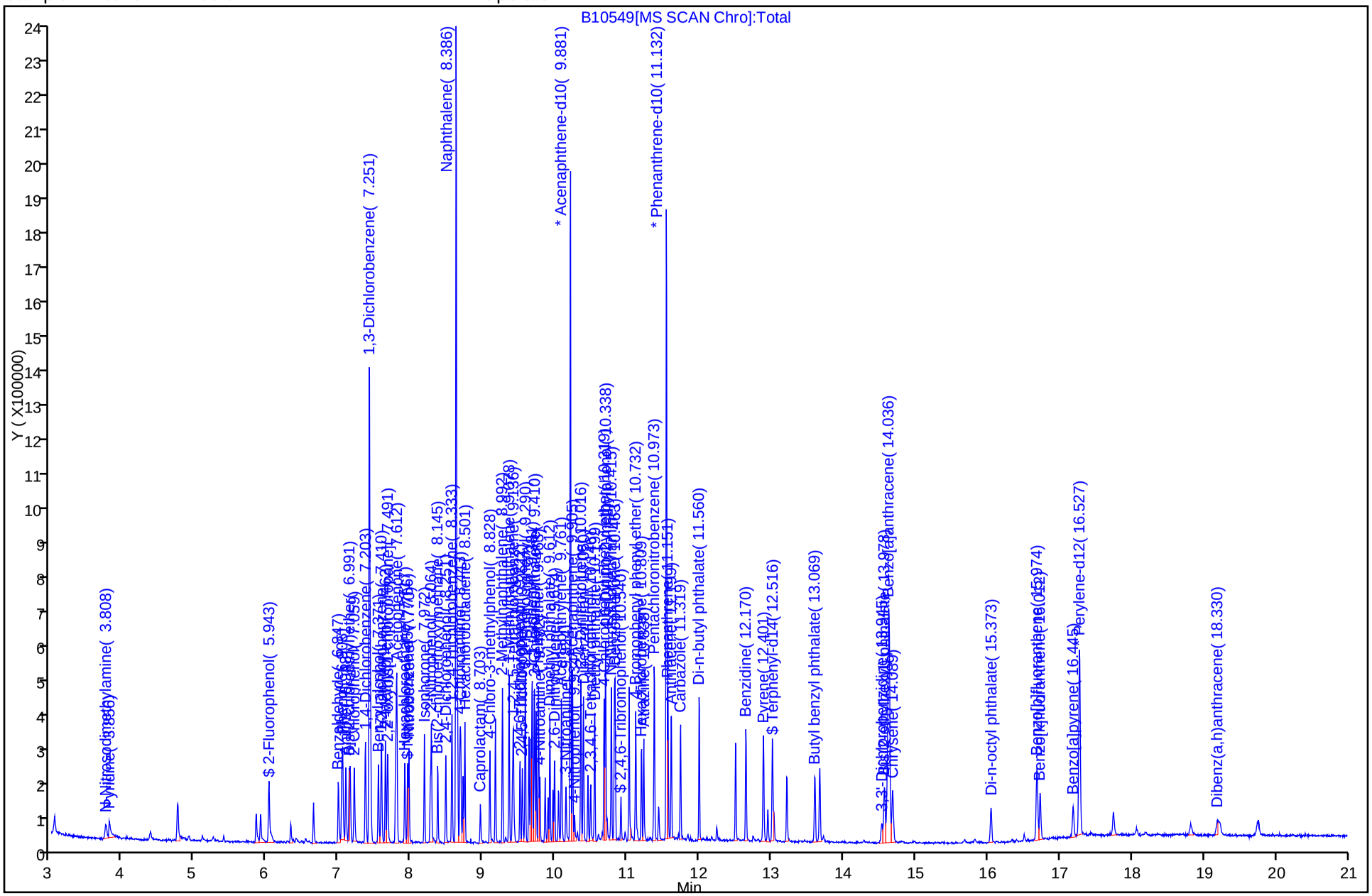
Inj Date: 25-Sep-2009 18:46:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49509 Lims Sample ID: 5

Client ID: Instrument: Inst. B

Sample Info: std05

Sample Amount: 1.00 ul Operator: MZ



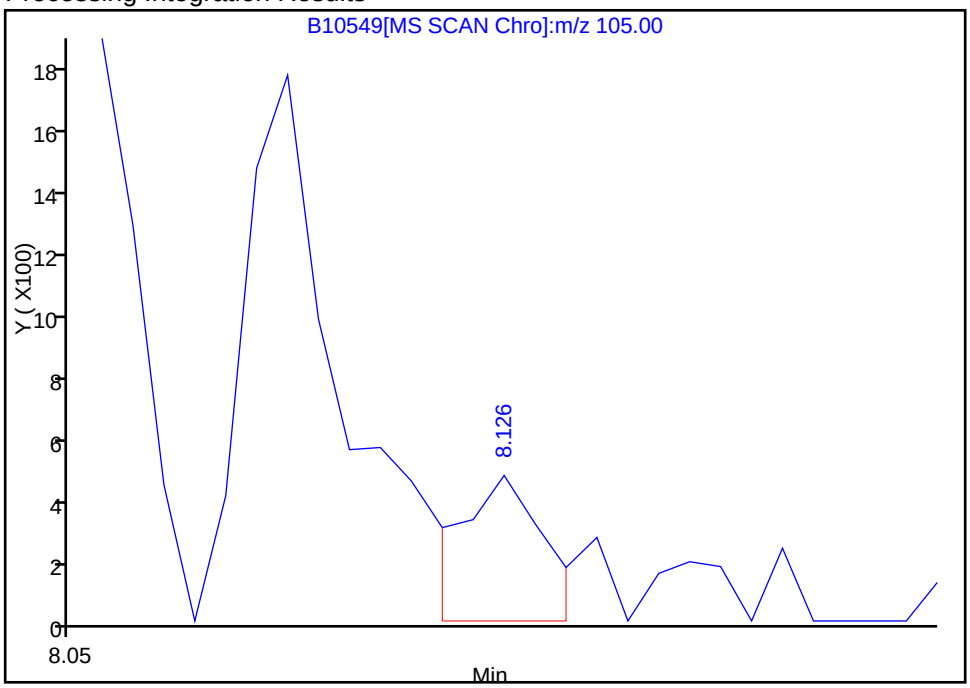
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10549.D		
Inj Date:	25-Sep-2009 18:46:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	std05		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 8.12

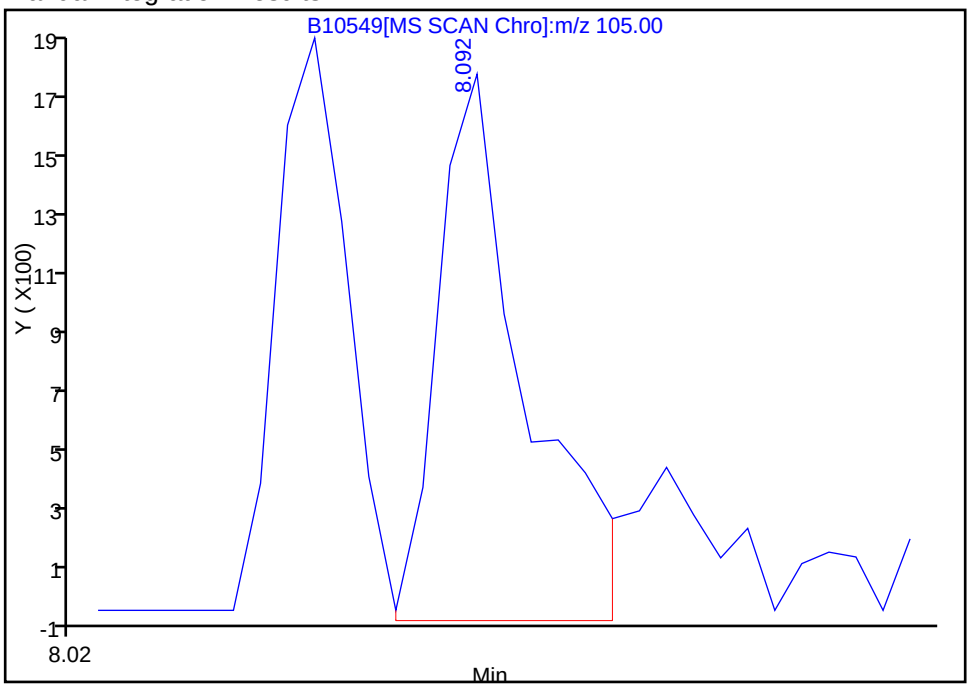
Processing Integration Results

RT: 8.13
Response: 461
Amount: 0.500000



Manual Integration Results

RT: 8.09
Response: 1972
Amount: 0.216893



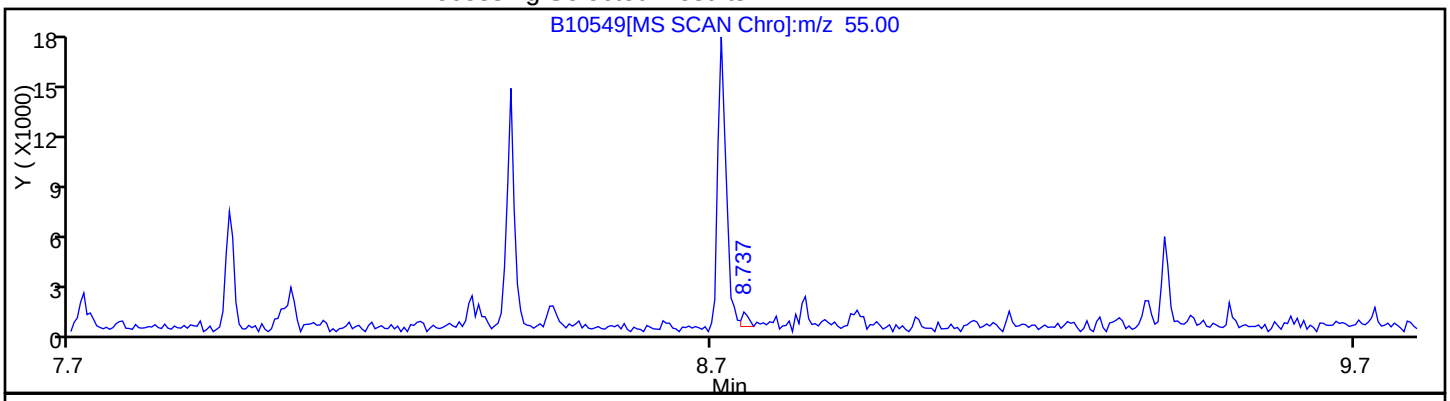
Reviewer: sullivanp, 26-Sep-2009 17:04:04
Audit Action: Manually Integrated
Audit Reason: Assign Peak

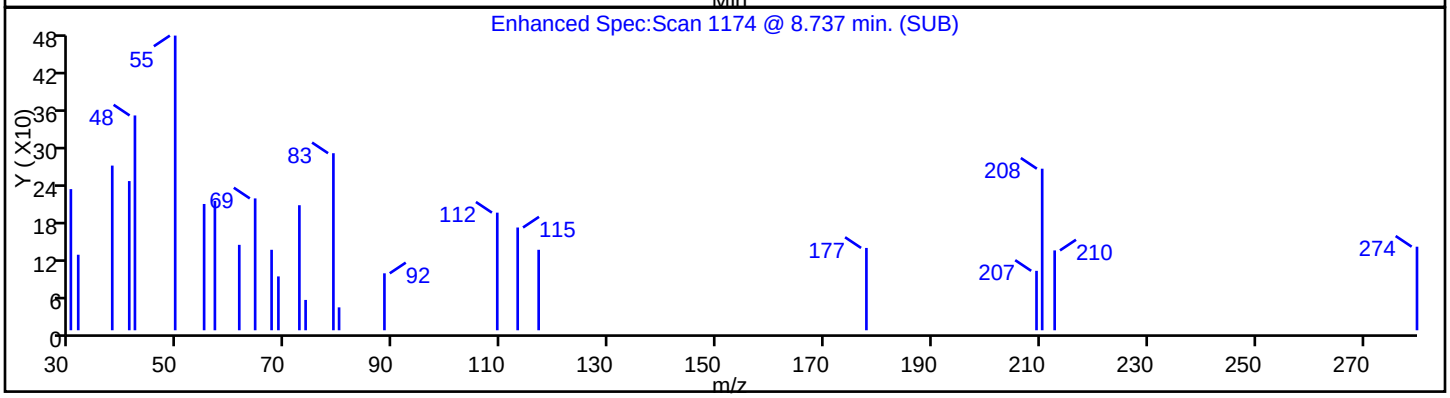
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10549.D		
Inj Date:	25-Sep-2009 18:46:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	std05		
Sample Amount:	1.00 ul	Operator:	MZ

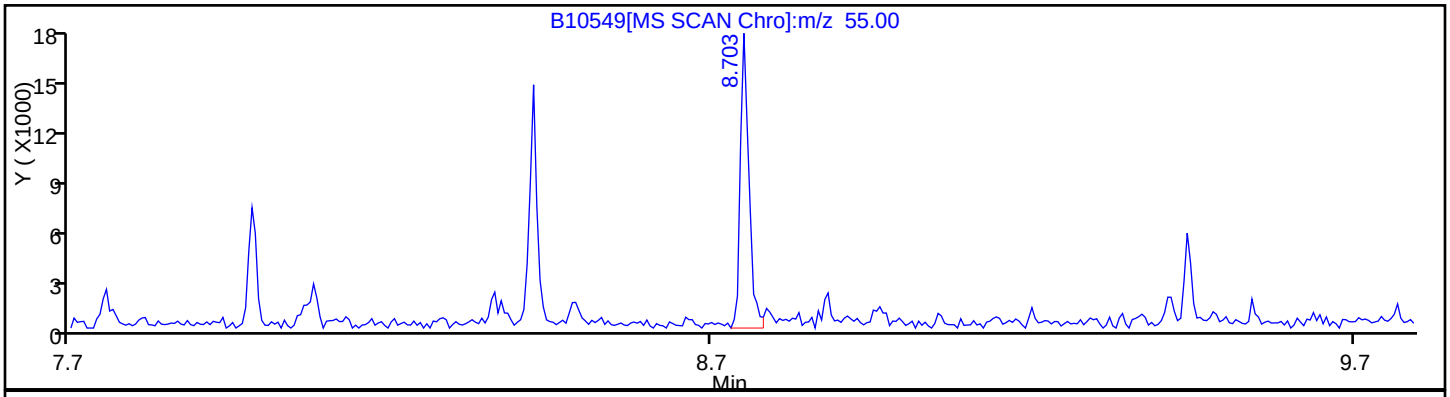
44 Caprolactam

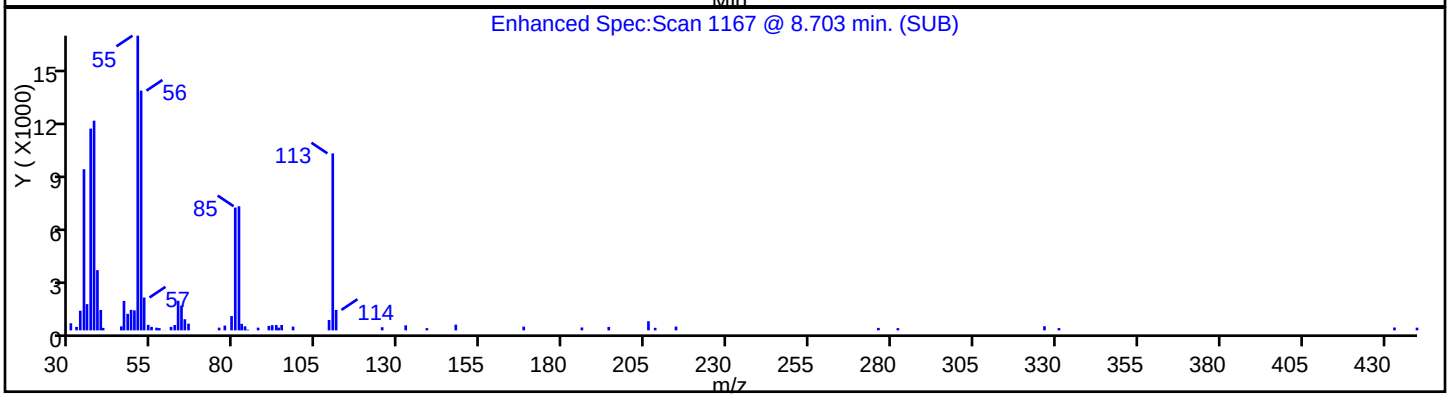
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 26-Sep-2009 17:04:04
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10550.D		
Lims ID:	std1	Client ID:	
Inject. Date:	25-Sep-2009 19:14:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	std1		
Misc. Info.:	360-0001300-006		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	49509	Lims Sample ID:	6
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:15:44	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:04:52
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:16:25

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

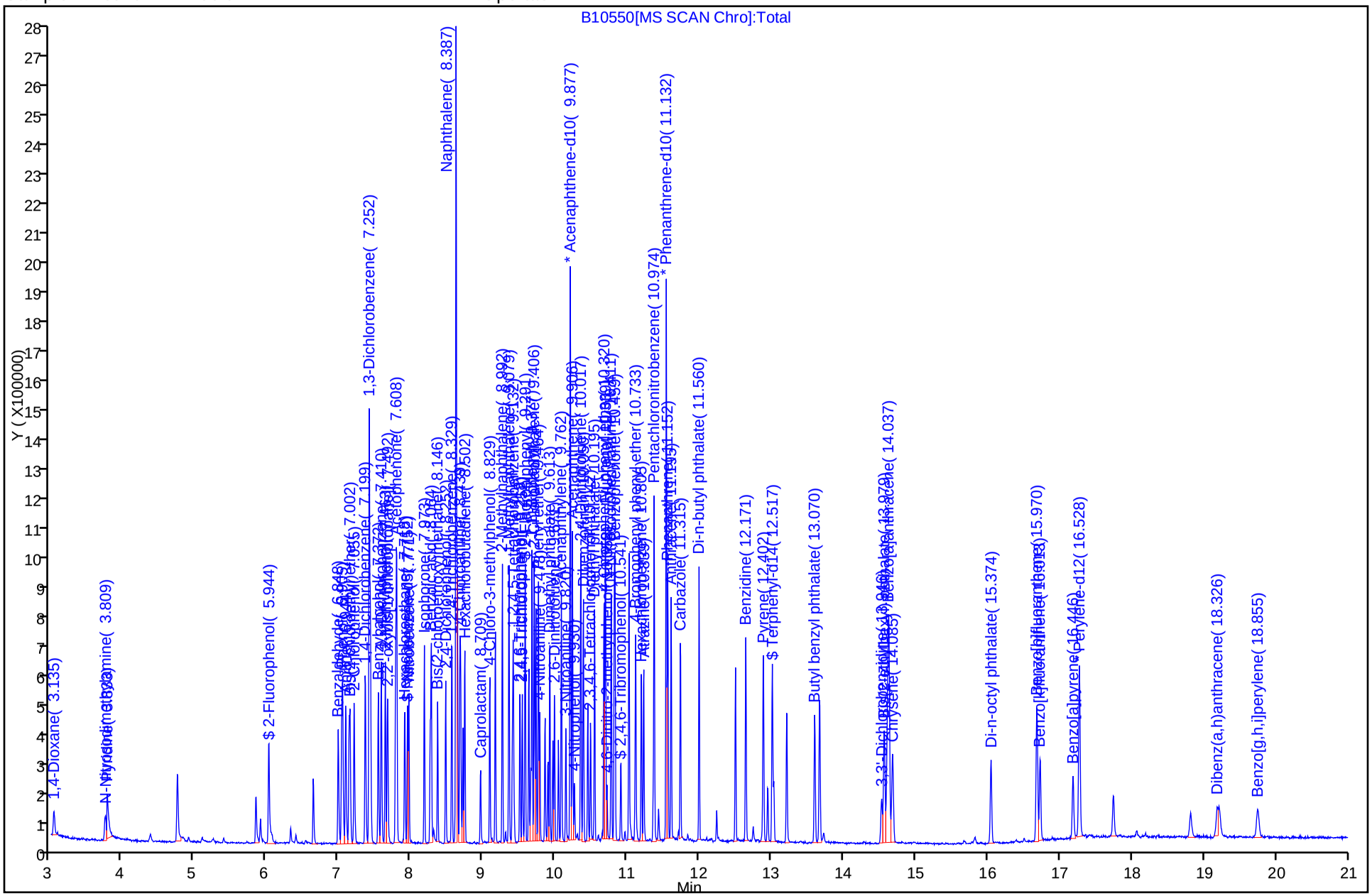
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.252	7.254	-0.002	340070	2.00	
* 2 Naphthalene-d8	136	8.387	8.389	-0.002	797068	2.00	
* 3 Acenaphthene-d10	164	9.877	9.879	-0.002	356548	2.00	
* 4 Phenanthrene-d10	188	11.132	11.134	-0.002	570870	2.00	
* 5 Chrysene-d12	240	14.037	14.044	-0.007	391970	2.00	
* 6 Perylene-d12	264	16.528	16.530	-0.002	277363	2.00	
$ 7 2-Fluorophenol	112	5.944	5.941	0.003	95904	1.08	
$ 8 Phenol-d5	99	6.891	6.898	-0.007	118266	1.05	
$ 9 Nitrobenzene-d5	82	7.752	7.754	-0.002	114841	1.06	
$ 10 2-Fluorobiphenyl	172	9.291	9.293	-0.002	229089	0.9718	
$ 11 2,4,6-Tribromophenol	330	10.541	10.543	-0.002	16470	0.8456	
$ 12 Terphenyl-d14	244	12.517	12.519	-0.002	151528	1.00	
14 1,4-Dioxane	88	3.135	3.137	-0.002	37804	1.23	
15 N-Nitrosodimethylamine	42	3.804	3.806	-0.002	67265	1.03	
16 Pyridine	79	3.833	3.820	0.013	77031	1.02	
17 Benzaldehyde	105	6.848	6.850	-0.002	65435	1.06	
18 Phenol	94	6.905	6.908	-0.003	121782	1.03	
19 Aniline	93	6.944	6.946	-0.002	144987	1.06	
20 Bis(2-chloroethyl)ether	93	7.002	7.004	-0.002	95737	1.04	
21 2-Chlorophenol	128	7.055	7.057	-0.002	106796	1.04	
22 1,4-Dichlorobenzene	146	7.204	7.201	0.003	130559	1.05	
23 1,3-Dichlorobenzene	146	7.271	7.268	0.003	138247	1.07	
24 Benzyl alcohol	79	7.372	7.374	-0.002	84209	1.03	
25 1,2-Dichlorobenzene	146	7.410	7.412	-0.002	125022	1.03	
26 2-Methylphenol	108	7.463	7.465	-0.002	94104	1.06	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	7.492	7.494	-0.002	183783	1.07	
28 3 & 4 Methylphenol	108	7.598	7.600	-0.002	96750	1.04	
29 N-Nitrosodi-n-propylamine	70	7.608	7.610	-0.002	71824	1.03	
30 Acetophenone	105	7.612	7.614	-0.002	139863	1.02	
31 Hexachloroethane	117	7.718	7.715	0.003	48572	1.06	
32 Nitrobenzene	77	7.771	7.773	-0.002	116178	1.10	
33 Isophorone	82	7.973	7.975	-0.002	183478	1.11	
34 2-Nitrophenol	139	8.050	8.052	-0.002	50864	1.13	
35 2,4-Dimethylphenol	107	8.064	8.066	-0.002	102873	1.10	
36 Benzoic acid	105	8.093	8.119	-0.026	8898	0.6921	
37 Bis(2-chloroethoxy)methane	93	8.146	8.148	-0.002	108424	1.05	
38 2,4-Dichlorophenol	162	8.252	8.254	-0.002	79957	1.13	
39 1,2,4-Trichlorobenzene	180	8.334	8.331	0.003	99784	1.02	
40 Alpha-Terpineol	59	8.391	8.393	-0.002	93389	1.14	
41 Naphthalene	128	8.406	8.408	-0.002	318482	1.08	
42 4-Chloroaniline	127	8.439	8.442	-0.003	122918	1.08	
43 Hexachlorobutadiene	225	8.502	8.504	-0.002	50553	1.06	
44 Caprolactam	55	8.709	8.725	-0.016	35519	1.02	
45 4-Chloro-3-methylphenol	107	8.829	8.831	-0.002	79752	1.12	
46 2-Methylnaphthalene	142	8.992	8.995	-0.003	209971	1.08	
47 1-Methylnaphthalene	142	9.079	9.081	-0.002	207106	1.09	
48 Hexachlorocyclopentadiene	237	9.122	9.124	-0.002	34165	0.8772	
49 1,2,4,5-Tetrachlorobenzene	216	9.137	9.134	0.003	82383	1.07	
50 2,4,6-Trichlorophenol	196	9.223	9.225	-0.002	51148	0.9193	
51 2,4,5-Trichlorophenol	196	9.252	9.254	-0.002	53254	0.8841	
52 1,1'-Biphenyl	154	9.377	9.379	-0.002	242200	0.9730	
53 2-Chloronaphthalene	162	9.406	9.413	-0.007	231728	0.9803	
54 Phenyl ether	170	9.464	9.466	-0.002	131144	1.07	
68 4-Nitroaniline	138	9.478	9.485	-0.007	56723	0.8565	
56 Dimethyl phthalate	163	9.613	9.615	-0.002	215640	1.00	
57 2,6-Dinitrotoluene	165	9.671	9.677	-0.006	47888	0.9575	
58 Acenaphthylene	152	9.762	9.764	-0.002	295124	0.9871	
59 3-Nitroaniline	138	9.820	9.826	-0.006	46815	0.9540	
61 Acenaphthene	153	9.906	9.908	-0.002	200229	0.9662	
60 2,4-Dinitrophenol	184	9.906	9.913	-0.007	7282	1.10	
62 4-Nitrophenol	109	9.930	9.937	-0.007	21638	0.7888	
63 2,4-Dinitrotoluene	165	10.017	10.019	-0.002	56489	0.8656	
64 Dibenzofuran	168	10.050	10.052	-0.002	259009	0.9600	
65 2,3,4,6-Tetrachlorophenol	232	10.142	10.144	-0.002	36267	0.8752	
66 Diethyl phthalate	149	10.195	10.202	-0.007	213166	0.9429	
67 4-Chlorophenyl phenyl ether	204	10.320	10.322	-0.002	97253	0.9479	
69 Fluorene	166	10.339	10.341	-0.002	214257	0.9633	
55 2-Nitroaniline	65	10.334	10.341	-0.007	54509	1.19	
70 4,6-Dinitro-2-methylphenol	198	10.358	10.360	-0.002	14924	1.15	
71 Diphenylamine	169	10.416	10.418	-0.002	179108	0.9757	
72 N-Nitrosodiphenylamine	169	10.416	10.418	-0.002	179108	0.9757	
74 Azobenzene	77	10.454	10.456	-0.002	338361	0.9793	
73 1,2-Diphenylhydrazine	77	10.454	10.456	-0.002	338361	0.9793	
13 Benzophenone	105	10.464	10.466	-0.002	195798	0.9680	
75 4-Bromophenyl phenyl ether	248	10.733	10.735	-0.002	49347	0.9659	
76 Hexachlorobenzene	284	10.805	10.807	-0.002	47576	0.9761	
77 Atrazine	200	10.839	10.841	-0.002	49710	0.9830	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.964	10.970	-0.006	10346	1.05	
79 Pentachloronitrobenzene	237	10.974	10.976	-0.002	20772	0.8459	
80 Phenanthrene	178	11.152	11.154	-0.002	280596	0.9756	
81 Anthracene	178	11.195	11.197	-0.002	254195	0.9398	
83 Carbazole	167	11.315	11.317	-0.002	234835	1.04	
84 Di-n-butyl phthalate	149	11.560	11.562	-0.002	333792	0.9461	
87 Fluoranthene	202	12.171	12.173	-0.002	246498	0.9573	
86 Benzidine	184	12.267	12.278	-0.011	17944	1.14	
85 Pyrene	202	12.402	12.399	0.003	260707	1.02	
89 Butyl benzyl phthalate	149	13.070	13.072	-0.002	110960	0.9580	
91 3,3'-Dichlorobenzidine	252	13.946	13.948	-0.002	40316	0.8668	
92 Bis(2-ethylhexyl) phthalate	149	13.979	13.981	-0.002	151348	0.8898	
93 Benzo[a]anthracene	228	14.022	14.025	-0.003	172411	0.99	
94 Chrysene	228	14.090	14.092	-0.002	170001	1.03	
95 Di-n-octyl phthalate	149	15.374	15.376	-0.002	170861	1.06	
97 Benzo[b]fluoranthene	252	15.975	15.982	-0.007	156268	0.9834	
98 Benzo[k]fluoranthene	252	16.018	16.020	-0.002	137442	0.9443	
99 Benzo[a]pyrene	252	16.446	16.448	-0.002	101920	0.8573	
100 Indeno[1,2,3-cd]pyrene	276	18.326	18.333	-0.007	74804	0.8748	
101 Dibenz(a,h)anthracene	278	18.355	18.367	-0.012	58009	0.8557	
102 Benzo[g,h,i]perylene	276	18.855	18.867	-0.012	77337	1.03	

Report Date: 28-Sep-2009 07:16:26 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10550.D		
Inj Date:	25-Sep-2009 19:14:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	6
Client ID:		Instrument:	Inst. B
Sample Info:	std1		
Sample Amount:	1.00 ul	Operator:	MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10551.D		
Lims ID:	std25	Client ID:	
Inject. Date:	25-Sep-2009 19:41:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	5
Sample ID:	std25		
Misc. Info.:	360-0001300-007		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	49509	Lims Sample ID:	7
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:15:44	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:05:28
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:16:32

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	7.253	7.253	0.000	330683	2.00	
* 2 Naphthalene-d8	136	8.388	8.388	0.000	759088	2.00	
* 3 Acenaphthene-d10	164	9.879	9.879	0.000	315212	2.00	
* 4 Phenanthrene-d10	188	11.134	11.134	0.000	515432	2.00	
* 5 Chrysene-d12	240	14.043	14.043	0.000	371949	2.00	
* 6 Perylene-d12	264	16.529	16.529	0.000	259589	2.00	
$ 7 2-Fluorophenol	112	5.940	5.940	0.000	236767	2.75	
$ 8 Phenol-d5	99	6.892	6.892	0.000	285407	2.61	
$ 9 Nitrobenzene-d5	82	7.753	7.753	0.000	281233	2.74	
$ 10 2-Fluorobiphenyl	172	9.292	9.292	0.000	542253	2.60	
$ 11 2,4,6-Tribromophenol	330	10.542	10.542	0.000	42801	2.24	
$ 12 Terphenyl-d14	244	12.519	12.519	0.000	371141	2.58	
14 1,4-Dioxane	88	3.122	3.122	0.000	66093	2.40	
15 N-Nitrosodimethylamine	42	3.796	3.796	0.000	155473	2.45	
16 Pyridine	79	3.805	3.805	0.000	199084	2.72	
17 Benzaldehyde	105	6.849	6.849	0.000	157077	2.62	
18 Phenol	94	6.907	6.907	0.000	294753	2.57	
19 Aniline	93	6.945	6.945	0.000	353352	2.65	
20 Bis(2-chloroethyl)ether	93	7.003	7.003	0.000	232792	2.59	
21 2-Chlorophenol	128	7.056	7.056	0.000	258735	2.60	
22 1,4-Dichlorobenzene	146	7.200	7.200	0.000	309043	2.56	
23 1,3-Dichlorobenzene	146	7.267	7.267	0.000	323814	2.57	
24 Benzyl alcohol	79	7.373	7.373	0.000	207262	2.61	
25 1,2-Dichlorobenzene	146	7.412	7.412	0.000	293979	2.49	
26 2-Methylphenol	108	7.465	7.465	0.000	228988	2.65	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	7.493	7.493	0.000	431031	2.58	
28 3 & 4 Methylphenol	108	7.599	7.599	0.000	240422	2.65	
29 N-Nitrosodi-n-propylamine	70	7.609	7.609	0.000	168660	2.48	
30 Acetophenone	105	7.614	7.614	0.000	331871	2.50	
31 Hexachloroethane	117	7.715	7.715	0.000	112862	2.54	
32 Nitrobenzene	77	7.772	7.772	0.000	270907	2.69	
33 Isophorone	82	7.974	7.974	0.000	452449	2.87	
34 2-Nitrophenol	139	8.051	8.051	0.000	128317	3.00	
35 2,4-Dimethylphenol	107	8.066	8.066	0.000	241363	2.71	
36 Benzoic acid	105	8.104	8.119	-0.015	58374	2.93	
37 Bis(2-chloroethoxy)methane	93	8.147	8.147	0.000	265433	2.70	
38 2,4-Dichlorophenol	162	8.253	8.253	0.000	202442	3.01	
39 1,2,4-Trichlorobenzene	180	8.330	8.330	0.000	237254	2.81	
40 Alpha-Terpineol	59	8.393	8.393	0.000	227006	2.91	
41 Naphthalene	128	8.407	8.407	0.000	745331	2.65	
42 4-Chloroaniline	127	8.436	8.436	0.000	298133	2.76	
43 Hexachlorobutadiene	225	8.503	8.503	0.000	121303	2.66	
44 Caprolactam	55	8.715	8.715	0.000	99969	3.02	
45 4-Chloro-3-methylphenol	107	8.830	8.830	0.000	201322	2.96	
46 2-Methylnaphthalene	142	8.994	8.994	0.000	493780	2.66	
47 1-Methylnaphthalene	142	9.080	9.080	0.000	481062	2.67	
48 Hexachlorocyclopentadiene	237	9.124	9.124	0.000	82605	2.26	
49 1,2,4,5-Tetrachlorobenzene	216	9.133	9.133	0.000	202295	2.75	
50 2,4,6-Trichlorophenol	196	9.225	9.225	0.000	130978	2.59	
51 2,4,5-Trichlorophenol	196	9.253	9.253	0.000	137265	2.44	
52 1,1'-Biphenyl	154	9.379	9.379	0.000	577610	2.62	
53 2-Chloronaphthalene	162	9.407	9.407	0.000	547815	2.62	
54 Phenyl ether	170	9.465	9.465	0.000	301758	2.58	
68 4-Nitroaniline	138	9.480	9.480	0.000	149915	2.40	
56 Dimethyl phthalate	163	9.614	9.614	0.000	504952	2.65	
57 2,6-Dinitrotoluene	165	9.677	9.677	0.000	115989	2.55	
58 Acenaphthylene	152	9.763	9.763	0.000	716065	2.71	
59 3-Nitroaniline	138	9.821	9.821	0.000	113958	2.50	
61 Acenaphthene	153	9.907	9.907	0.000	471386	2.57	
60 2,4-Dinitrophenol	184	9.907	9.907	0.000	28444	2.26	
62 4-Nitrophenol	109	9.932	9.932	0.000	59733	2.17	
63 2,4-Dinitrotoluene	165	10.018	10.018	0.000	146905	2.35	
64 Dibenzofuran	168	10.052	10.052	0.000	627121	2.63	
65 2,3,4,6-Tetrachlorophenol	232	10.143	10.143	0.000	91995	2.32	
66 Diethyl phthalate	149	10.196	10.196	0.000	524649	2.62	
67 4-Chlorophenyl phenyl ether	204	10.321	10.321	0.000	236304	2.61	
69 Fluorene	166	10.340	10.340	0.000	506331	2.57	
55 2-Nitroaniline	65	10.335	10.335	0.000	121589	2.82	
70 4,6-Dinitro-2-methylphenol	198	10.360	10.360	0.000	50341	2.34	
71 Diphenylamine	169	10.417	10.417	0.000	438571	2.65	
72 N-Nitrosodiphenylamine	169	10.417	10.417	0.000	438571	2.65	
74 Azobenzene	77	10.456	10.456	0.000	845013	2.71	
73 1,2-Diphenylhydrazine	77	10.456	10.456	0.000	845013	2.71	
13 Benzophenone	105	10.465	10.465	0.000	488395	2.67	
75 4-Bromophenyl phenyl ether	248	10.735	10.735	0.000	118444	2.57	
76 Hexachlorobenzene	284	10.807	10.807	0.000	113725	2.58	
77 Atrazine	200	10.840	10.840	0.000	127796	2.80	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.965	10.969	-0.004	40733	2.32	
79 Pentachloronitrobenzene	237	10.975	10.975	0.000	55121	2.31	
80 Phenanthrene	178	11.153	11.153	0.000	665153	2.56	
81 Anthracene	178	11.196	11.196	0.000	639648	2.62	
83 Carbazole	167	11.316	11.316	0.000	541478	2.65	
84 Di-n-butyl phthalate	149	11.562	11.562	0.000	820514	2.58	
87 Fluoranthene	202	12.172	12.172	0.000	605320	2.60	
86 Benzidine	184	12.269	12.277	-0.008	66067	2.46	
85 Pyrene	202	12.398	12.398	0.000	630305	2.59	
89 Butyl benzyl phthalate	149	13.072	13.072	0.000	303841	2.76	
91 3,3'-Dichlorobenzidine	252	13.947	13.947	0.000	115832	2.40	
92 Bis(2-ethylhexyl) phthalate	149	13.981	13.981	0.000	421107	2.48	
93 Benzo[a]anthracene	228	14.024	14.024	0.000	432861	2.62	
94 Chrysene	228	14.091	14.091	0.000	408741	2.61	
95 Di-n-octyl phthalate	149	15.375	15.375	0.000	561996	2.39	
97 Benzo[b]fluoranthene	252	15.981	15.981	0.000	374687	2.52	
98 Benzo[k]fluoranthene	252	16.019	16.019	0.000	359985	2.64	
99 Benzo[a]pyrene	252	16.447	16.447	0.000	279459	2.37	
100 Indeno[1,2,3-cd]pyrene	276	18.333	18.333	0.000	209930	2.50	
101 Dibenz(a,h)anthracene	278	18.361	18.361	0.000	158766	2.37	
102 Benzo[g,h,i]perylene	276	18.861	18.861	0.000	186514	2.65	

Report Date: 28-Sep-2009 07:16:33 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10551.D

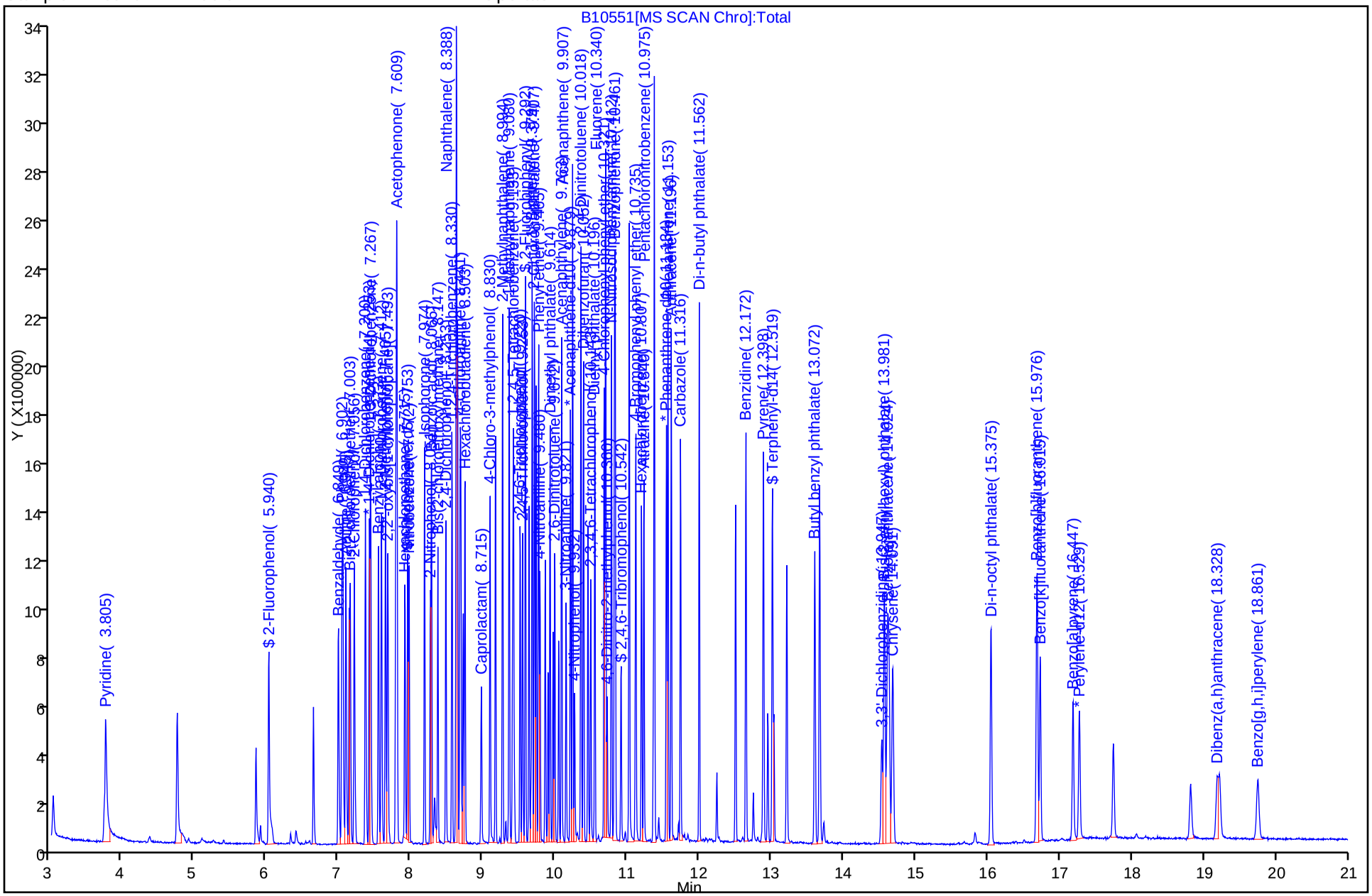
Inj Date: 25-Sep-2009 19:41:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49509 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\20090925-1.b\B10552.D		
Lims ID:	std8	Client ID:	
Inject. Date:	25-Sep-2009 20:09:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	std8		
Misc. Info.:	360-0001300-008		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	49509	Lims Sample ID:	8
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:15:44	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:06:30
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:16:40

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	7.253	7.254	-0.001	446267	2.00	
* 2 Naphthalene-d8	136	8.392	8.389	0.003	1096600	2.00	
* 3 Acenaphthene-d10	164	9.883	9.879	0.004	363621	2.00	
* 4 Phenanthrene-d10	188	11.133	11.134	-0.001	584889	2.00	
* 5 Chrysene-d12	240	14.047	14.044	0.003	448939	2.00	
* 6 Perylene-d12	264	16.529	16.530	-0.001	312429	2.00	
$ 7 2-Fluorophenol	112	5.945	5.941	0.004	888786	7.65	
$ 8 Phenol-d5	99	6.902	6.898	0.004	1093061	7.41	
$ 9 Nitrobenzene-d5	82	7.758	7.754	0.004	1055164	7.11	
$ 10 2-Fluorobiphenyl	172	9.292	9.293	-0.001	2055243	8.55	
$ 11 2,4,6-Tribromophenol	330	10.547	10.543	0.004	182713	8.16	
$ 12 Terphenyl-d14	244	12.518	12.519	-0.001	1407641	8.10	
14 1,4-Dioxane	88	3.141	3.137	0.004	279957	8.05	
15 N-Nitrosodimethylamine	42	3.809	3.806	0.003	590699	6.89	
16 Pyridine	79	3.819	3.820	-0.001	781514	7.91	
17 Benzaldehyde	105	6.849	6.850	-0.001	592431	7.32	
18 Phenol	94	6.911	6.908	0.003	1129128	7.31	
19 Aniline	93	6.950	6.946	0.004	1331372	7.39	
20 Bis(2-chloroethyl)ether	93	7.007	7.004	0.003	873074	7.21	
21 2-Chlorophenol	128	7.060	7.057	0.003	963735	7.18	
22 1,4-Dichlorobenzene	146	7.204	7.201	0.003	1145141	7.03	
23 1,3-Dichlorobenzene	146	7.272	7.268	0.004	1190268	7.00	
24 Benzyl alcohol	79	7.373	7.374	-0.001	833209	7.78	
25 1,2-Dichlorobenzene	146	7.411	7.412	-0.001	1088600	6.83	
26 2-Methylphenol	108	7.464	7.465	-0.001	866400	7.44	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	7.493	7.494	-0.001	1546179	6.85	
28 3 & 4 Methylphenol	108	7.604	7.600	0.004	937418	7.65	
29 N-Nitrosodi-n-propylamine	70	7.613	7.610	0.003	704426	7.68	
30 Acetophenone	105	7.618	7.614	0.004	1341590	7.48	
31 Hexachloroethane	117	7.719	7.715	0.004	440601	7.36	
32 Nitrobenzene	77	7.772	7.773	-0.001	1043916	7.18	
33 Isophorone	82	7.979	7.975	0.004	1723177	7.58	
34 2-Nitrophenol	139	8.051	8.052	-0.001	524918	8.48	
35 2,4-Dimethylphenol	107	8.065	8.066	-0.001	929859	7.24	
36 Benzoic acid	105	8.137	8.119	0.018	388173	7.68	
37 Bis(2-chloroethoxy)methane	93	8.152	8.148	0.004	998478	7.04	
38 2,4-Dichlorophenol	162	8.253	8.254	-0.001	771601	7.94	
39 1,2,4-Trichlorobenzene	180	8.335	8.331	0.004	867487	8.30	
40 Alpha-Terpineol	59	8.397	8.393	0.004	899170	7.97	
41 Naphthalene	128	8.407	8.408	-0.001	2822321	6.95	
42 4-Chloroaniline	127	8.440	8.442	-0.002	1169202	7.49	
43 Hexachlorobutadiene	225	8.503	8.504	-0.001	463633	7.05	
44 Caprolactam	55	8.739	8.725	0.013	409381	8.55	
45 4-Chloro-3-methylphenol	107	8.835	8.831	0.004	806790	8.21	
46 2-Methylnaphthalene	142	8.993	8.995	-0.002	1855005	6.92	
47 1-Methylnaphthalene	142	9.080	9.081	-0.001	1803814	6.93	
48 Hexachlorocyclopentadiene	237	9.123	9.124	-0.001	340912	7.88	
49 1,2,4,5-Tetrachlorobenzene	216	9.138	9.134	0.004	748855	7.05	
50 2,4,6-Trichlorophenol	196	9.224	9.225	-0.001	513752	8.73	
51 2,4,5-Trichlorophenol	196	9.258	9.254	0.004	543427	8.21	
52 1,1'-Biphenyl	154	9.383	9.379	0.004	2164558	8.53	
53 2-Chloronaphthalene	162	9.412	9.413	-0.001	1958024	8.12	
54 Phenyl ether	170	9.465	9.466	-0.001	1171535	6.93	
68 4-Nitroaniline	138	9.484	9.485	-0.001	601628	8.14	
56 Dimethyl phthalate	163	9.619	9.615	0.004	1897684	8.63	
57 2,6-Dinitrotoluene	165	9.681	9.677	0.004	448117	8.45	
58 Acenaphthylene	152	9.768	9.764	0.004	2699271	8.85	
59 3-Nitroaniline	138	9.825	9.826	-0.001	437534	8.14	
61 Acenaphthene	153	9.912	9.908	0.004	1805395	8.54	
60 2,4-Dinitrophenol	184	9.912	9.913	-0.001	173284	7.86	
62 4-Nitrophenol	109	9.941	9.937	0.004	265864	7.98	
63 2,4-Dinitrotoluene	165	10.022	10.019	0.003	601889	8.10	
64 Dibenzofuran	168	10.051	10.052	-0.001	2327273	8.46	
65 2,3,4,6-Tetrachlorophenol	232	10.147	10.144	0.003	384791	8.13	
66 Diethyl phthalate	149	10.200	10.202	-0.002	1977984	8.58	
67 4-Chlorophenyl phenyl ether	204	10.321	10.322	-0.001	869413	8.31	
69 Fluorene	166	10.340	10.341	-0.001	2016596	8.89	
55 2-Nitroaniline	65	10.340	10.341	-0.001	471491	8.40	
70 4,6-Dinitro-2-methylphenol	198	10.364	10.360	0.004	240845	7.60	
71 Diphenylamine	169	10.417	10.418	-0.001	1675999	8.91	
72 N-Nitrosodiphenylamine	169	10.417	10.418	-0.001	1675999	8.91	
74 Azobenzene	77	10.460	10.456	0.004	3236510	9.14	
73 1,2-Diphenylhydrazine	77	10.460	10.456	0.004	3236510	9.14	
13 Benzophenone	105	10.470	10.466	0.004	1925966	9.29	
75 4-Bromophenyl phenyl ether	248	10.739	10.735	0.004	457714	8.74	
76 Hexachlorobenzene	284	10.811	10.807	0.004	424528	8.50	
77 Atrazine	200	10.845	10.841	0.004	474971	9.17	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.965	10.970	-0.005	226642	8.26	
79 Pentachloronitrobenzene	237	10.979	10.976	0.003	231150	8.31	
80 Phenanthrene	178	11.157	11.154	0.003	2559381	8.69	
81 Anthracene	178	11.201	11.197	0.004	2522934	9.10	
83 Carbazole	167	11.321	11.317	0.004	1892701	8.16	
84 Di-n-butyl phthalate	149	11.566	11.562	0.004	3138249	8.68	
87 Fluoranthene	202	12.177	12.173	0.004	2319930	8.79	
86 Benzidine	184	12.273	12.278	-0.005	390686	8.11	
85 Pyrene	202	12.403	12.399	0.004	2426881	8.26	
89 Butyl benzyl phthalate	149	13.076	13.072	0.004	1247244	9.40	
91 3,3'-Dichlorobenzidine	252	13.951	13.948	0.003	495476	8.23	
92 Bis(2-ethylhexyl) phthalate	149	13.985	13.981	0.004	1744897	8.33	
93 Benzo[a]anthracene	228	14.028	14.025	0.003	1674378	8.41	
94 Chrysene	228	14.096	14.092	0.004	1572710	8.32	
95 Di-n-octyl phthalate	149	15.375	15.376	-0.001	2629239	7.76	
97 Benzo[b]fluoranthene	252	15.985	15.982	0.003	1552261	8.67	
98 Benzo[k]fluoranthene	252	16.024	16.020	0.004	1410943	8.61	
99 Benzo[a]pyrene	252	16.452	16.448	0.004	1175686	8.08	
100 Indeno[1,2,3-cd]pyrene	276	18.337	18.333	0.004	852513	8.28	
101 Dibenz(a,h)anthracene	278	18.366	18.367	-0.001	671501	8.13	
102 Benzo[g,h,i]perylene	276	18.871	18.867	0.004	725997	8.56	

Report Date: 28-Sep-2009 07:16:40 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10552.D

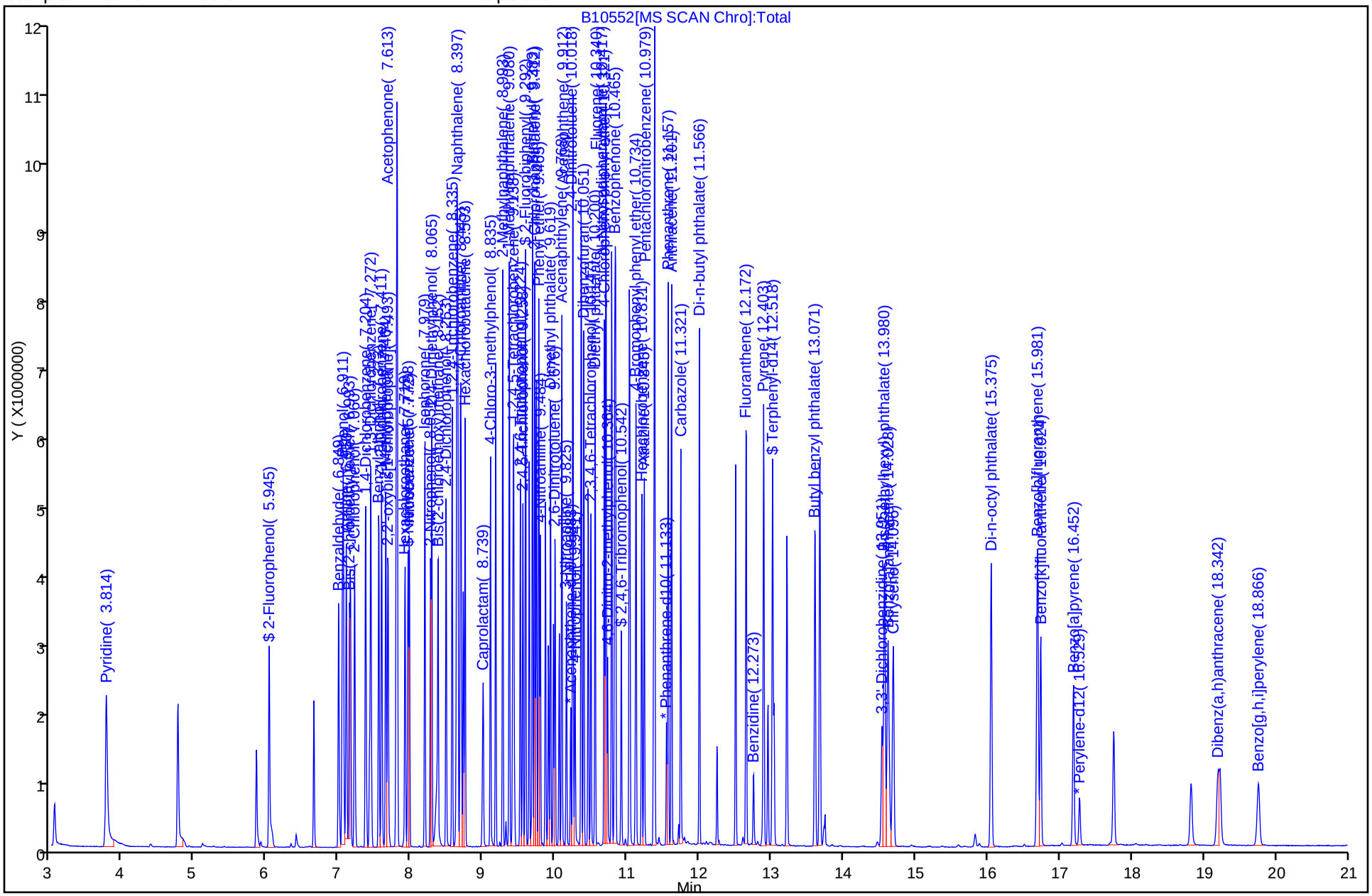
Inj Date: 25-Sep-2009 20:09:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49509 Lims Sample ID: 8

Client ID: Instrument: Inst. B

Sample Info: std8

Sample Amount: 1.00 ul Operator: MZ

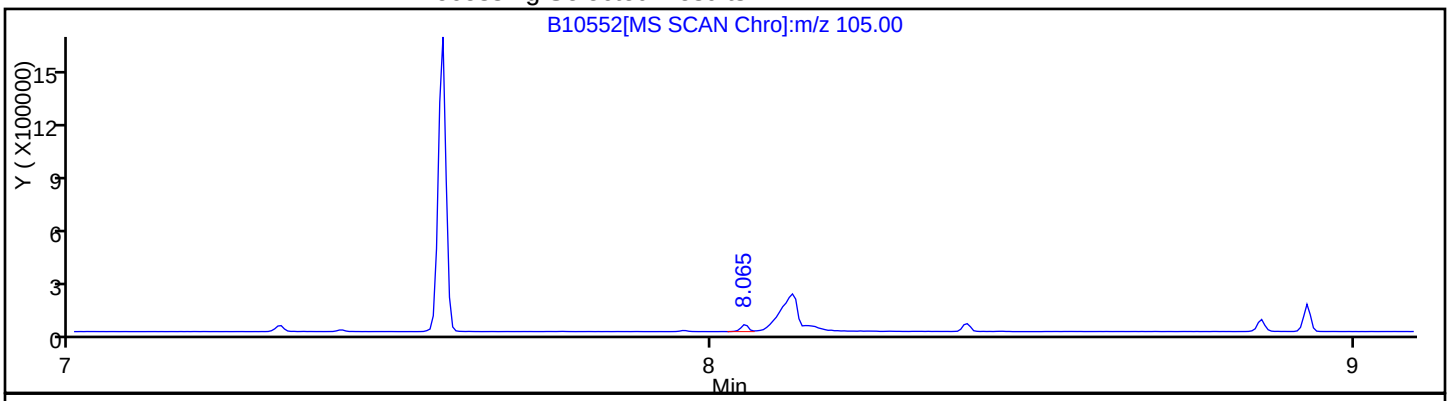


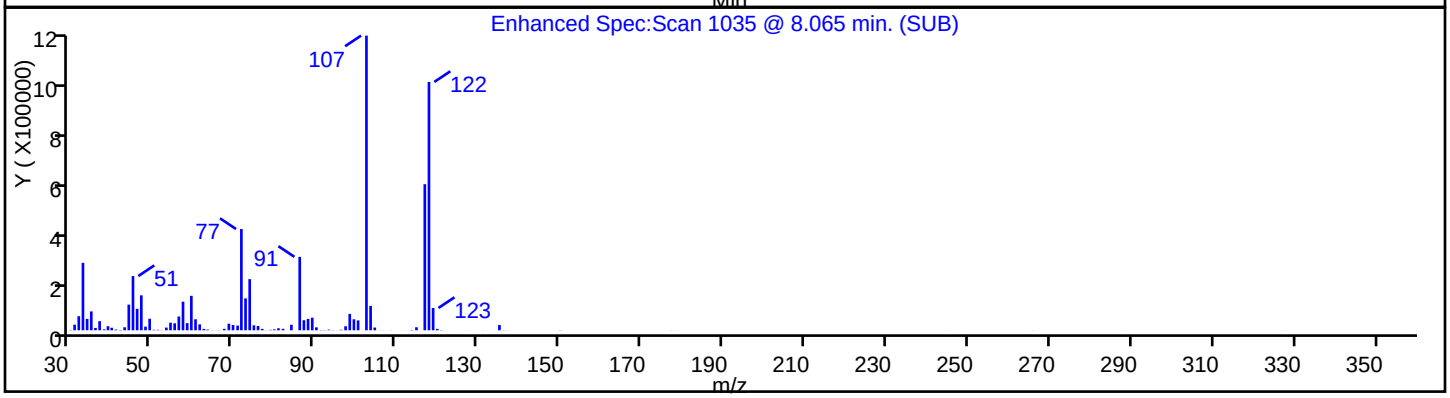
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10552.D		
Inj Date:	25-Sep-2009 20:09:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	8
Client ID:		Instrument:	Inst. B
Sample Info:	std8		
Sample Amount:	1.00 ul	Operator:	MZ

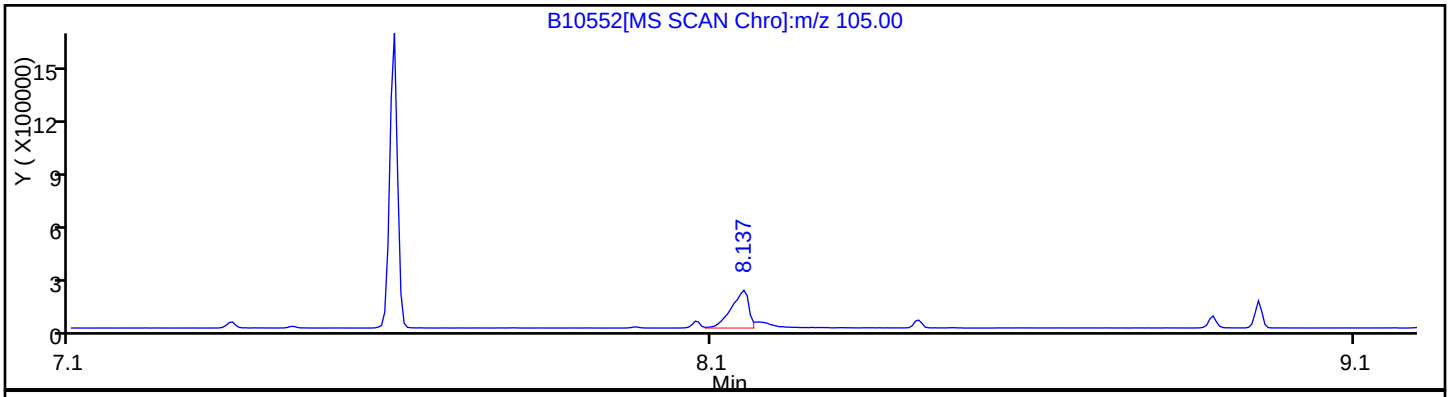
36 Benzoic acid

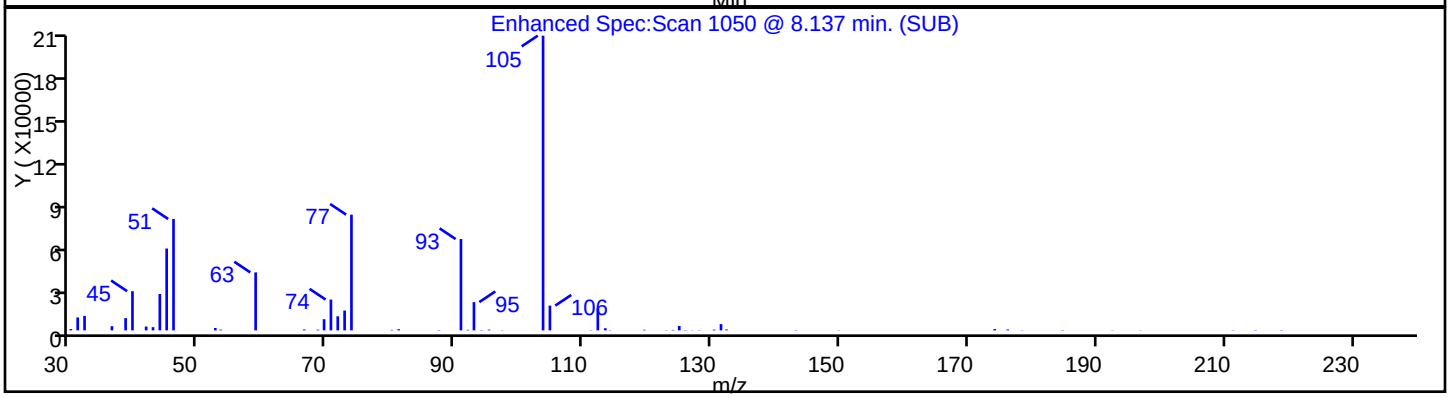
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 26-Sep-2009 17:06:30
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10553.D		
Lims ID:	std10	Client ID:	
Inject. Date:	25-Sep-2009 20:37:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	8
Sample ID:	std10		
Misc. Info.:	360-0001300-009		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	49509	Lims Sample ID:	9
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:15:44	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:07:35
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:16:48

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	7.253	7.254	-0.001	525215	2.00	
* 2 Naphthalene-d8	136	8.393	8.389	0.004	1277127	2.00	
* 3 Acenaphthene-d10	164	9.884	9.879	0.005	392906	2.00	
* 4 Phenanthrene-d10	188	11.139	11.134	0.005	644636	2.00	
* 5 Chrysene-d12	240	14.048	14.044	0.004	516314	2.00	
* 6 Perylene-d12	264	16.534	16.530	0.004	363917	2.00	
$ 7 2-Fluorophenol	112	5.945	5.941	0.004	1178495	8.62	
$ 8 Phenol-d5	99	6.902	6.898	0.004	1444795	8.32	
$ 9 Nitrobenzene-d5	82	7.758	7.754	0.004	1390277	8.04	
$ 10 2-Fluorobiphenyl	172	9.292	9.293	-0.001	2623679	10.1	
$ 11 2,4,6-Tribromophenol	330	10.547	10.543	0.004	241765	9.78	
$ 12 Terphenyl-d14	244	12.519	12.519	0.000	1950175	9.76	
14 1,4-Dioxane	88	3.137	3.137	0.000	354999	8.69	
15 N-Nitrosodimethylamine	42	3.810	3.806	0.004	795898	7.88	
16 Pyridine	79	3.815	3.820	-0.005	1042111	8.96	
17 Benzaldehyde	105	6.849	6.850	-0.001	767717	8.06	
18 Phenol	94	6.916	6.908	0.008	1484455	8.16	
19 Aniline	93	6.950	6.946	0.004	1751899	8.27	
20 Bis(2-chloroethyl)ether	93	7.008	7.004	0.004	1143143	8.02	
21 2-Chlorophenol	128	7.061	7.057	0.004	1277488	8.09	
22 1,4-Dichlorobenzene	146	7.205	7.201	0.004	1501429	7.83	
23 1,3-Dichlorobenzene	146	7.272	7.268	0.004	1560368	7.79	
24 Benzyl alcohol	79	7.378	7.374	0.004	1102499	8.75	
25 1,2-Dichlorobenzene	146	7.412	7.412	0.000	1415950	7.55	
26 2-Methylphenol	108	7.469	7.465	0.004	1134249	8.28	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	7.494	7.494	0.000	2010782	7.57	
28 3 & 4 Methylphenol	108	7.604	7.600	0.004	1226473	8.50	
29 N-Nitrosodi-n-propylamine	70	7.614	7.610	0.004	945953	8.76	
30 Acetophenone	105	7.619	7.614	0.005	1780718	8.44	
31 Hexachloroethane	117	7.720	7.715	0.005	581989	8.26	
32 Nitrobenzene	77	7.777	7.773	0.004	1375149	8.12	
33 Isophorone	82	7.979	7.975	0.004	2293006	8.66	
34 2-Nitrophenol	139	8.051	8.052	-0.001	692736	9.61	
35 2,4-Dimethylphenol	107	8.066	8.066	0.000	1188162	7.94	
36 Benzoic acid	105	8.152	8.119	0.033	728670	10.1	5
37 Bis(2-chloroethoxy)methane	93	8.152	8.148	0.004	1322072	8.00	
38 2,4-Dichlorophenol	162	8.258	8.254	0.004	1029423	9.10	
39 1,2,4-Trichlorobenzene	180	8.335	8.331	0.004	1136839	9.70	
40 Alpha-Terpineol	59	8.398	8.393	0.005	1179342	8.97	
41 Naphthalene	128	8.407	8.408	-0.001	3629586	7.67	
42 4-Chloroaniline	127	8.441	8.442	-0.001	1550738	8.53	
43 Hexachlorobutadiene	225	8.503	8.504	-0.001	611813	7.99	
44 Caprolactam	55	8.744	8.725	0.019	544583	9.77	
45 4-Chloro-3-methylphenol	107	8.835	8.831	0.004	1074207	9.39	
46 2-Methylnaphthalene	142	8.994	8.995	-0.001	2418993	7.74	
47 1-Methylnaphthalene	142	9.080	9.081	-0.001	2343255	7.73	
48 Hexachlorocyclopentadiene	237	9.129	9.124	0.005	469223	10.0	
49 1,2,4,5-Tetrachlorobenzene	216	9.138	9.134	0.004	965747	7.80	
50 2,4,6-Trichlorophenol	196	9.225	9.225	0.000	673710	10.6	
51 2,4,5-Trichlorophenol	196	9.258	9.254	0.004	708701	9.90	
52 1,1'-Biphenyl	154	9.383	9.379	0.004	2803425	10.2	
53 2-Chloronaphthalene	162	9.412	9.413	-0.001	2745733	10.5	
54 Phenyl ether	170	9.465	9.466	-0.001	1520570	7.72	
68 4-Nitroaniline	138	9.489	9.485	0.004	802092	10.0	
56 Dimethyl phthalate	163	9.619	9.615	0.004	2494670	10.5	
57 2,6-Dinitrotoluene	165	9.682	9.677	0.005	595359	10.4	
58 Acenaphthylene	152	9.768	9.764	0.004	3482251	10.6	
59 3-Nitroaniline	138	9.831	9.826	0.005	583962	10.0	
61 Acenaphthene	153	9.912	9.908	0.004	2379186	10.4	
60 2,4-Dinitrophenol	184	9.912	9.913	-0.001	268409	10.5	
62 4-Nitrophenol	109	9.941	9.937	0.004	367528	10.2	
63 2,4-Dinitrotoluene	165	10.023	10.019	0.004	811001	10.1	
64 Dibenzofuran	168	10.057	10.052	0.005	3019208	10.2	
65 2,3,4,6-Tetrachlorophenol	232	10.148	10.144	0.004	525879	10.2	
66 Diethyl phthalate	149	10.201	10.202	-0.001	2599037	10.4	
67 4-Chlorophenyl phenyl ether	204	10.321	10.322	-0.001	1139514	10.1	
69 Fluorene	166	10.345	10.341	0.004	2595844	10.6	
55 2-Nitroaniline	65	10.345	10.341	0.004	635117	10.1	
70 4,6-Dinitro-2-methylphenol	198	10.369	10.360	0.009	351060	9.82	
71 Diphenylamine	169	10.422	10.418	0.004	2209883	10.7	
72 N-Nitrosodiphenylamine	169	10.422	10.418	0.004	2209883	10.7	
74 Azobenzene	77	10.461	10.456	0.005	4233397	10.9	
73 1,2-Diphenylhydrazine	77	10.461	10.456	0.005	4233397	10.9	
13 Benzophenone	105	10.470	10.466	0.004	2552359	11.2	
75 4-Bromophenyl phenyl ether	248	10.739	10.735	0.004	610844	10.6	
76 Hexachlorobenzene	284	10.812	10.807	0.005	564453	10.3	
77 Atrazine	200	10.845	10.841	0.004	620127	10.9	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.965	10.970	-0.005	318731	10.2	
79 Pentachloronitrobenzene	237	10.980	10.976	0.004	309791	10.1	
80 Phenanthrene	178	11.158	11.154	0.004	3332928	10.3	
81 Anthracene	178	11.201	11.197	0.004	3314599	10.9	
83 Carbazole	167	11.321	11.317	0.004	2569637	10.0	
84 Di-n-butyl phthalate	149	11.567	11.562	0.005	4025405	10.1	
87 Fluoranthene	202	12.177	12.173	0.004	3140577	10.8	
86 Benzidine	184	12.273	12.278	-0.005	600013	10.3	
85 Pyrene	202	12.403	12.399	0.004	3290853	9.74	
89 Butyl benzyl phthalate	149	13.077	13.072	0.005	1719045	11.3	
91 3,3'-Dichlorobenzidine	252	13.952	13.948	0.004	696843	10.0	
92 Bis(2-ethylhexyl) phthalate	149	13.985	13.981	0.004	2427773	10.1	
93 Benzo[a]anthracene	228	14.029	14.025	0.004	2326484	10.2	
94 Chrysene	228	14.101	14.092	0.009	2176932	10.0	
95 Di-n-octyl phthalate	149	15.375	15.376	-0.001	3733452	9.34	
97 Benzo[b]fluoranthene	252	15.991	15.982	0.009	2125981	10.2	
98 Benzo[k]fluoranthene	252	16.029	16.020	0.009	2020163	10.6	
99 Benzo[a]pyrene	252	16.452	16.448	0.004	1661641	9.79	
100 Indeno[1,2,3-cd]pyrene	276	18.342	18.333	0.009	1203598	10.0	
101 Dibenz(a,h)anthracene	278	18.371	18.367	0.004	958403	9.95	
102 Benzo[g,h,i]perylene	276	18.871	18.867	0.004	988274	10.0	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 28-Sep-2009 07:16:48 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10553.D

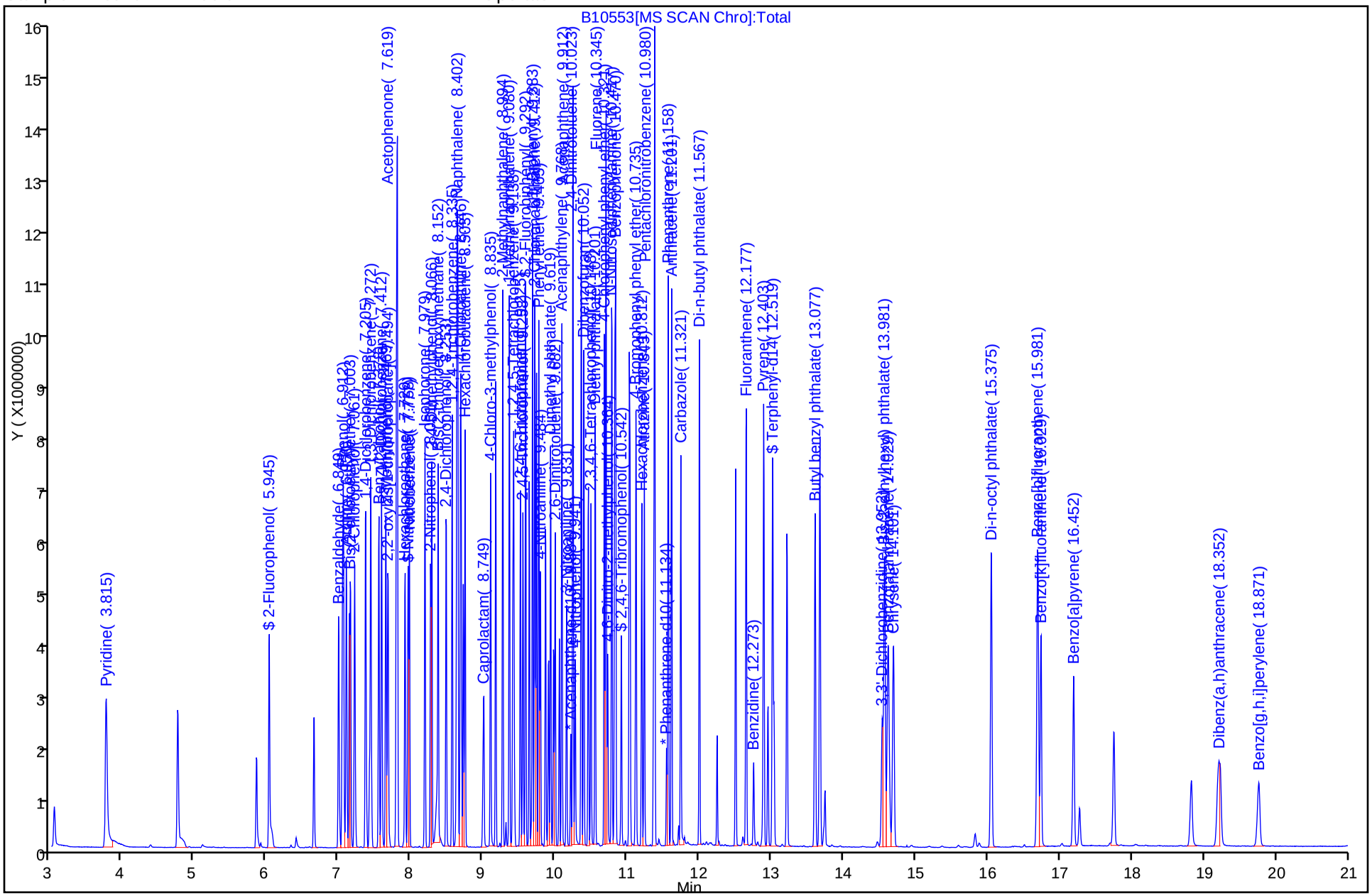
Inj Date: 25-Sep-2009 20:37:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49509 Lims Sample ID: 9

Client ID: Instrument: Inst. B

Sample Info: std10

Sample Amount: 1.00 ul Operator: MZ

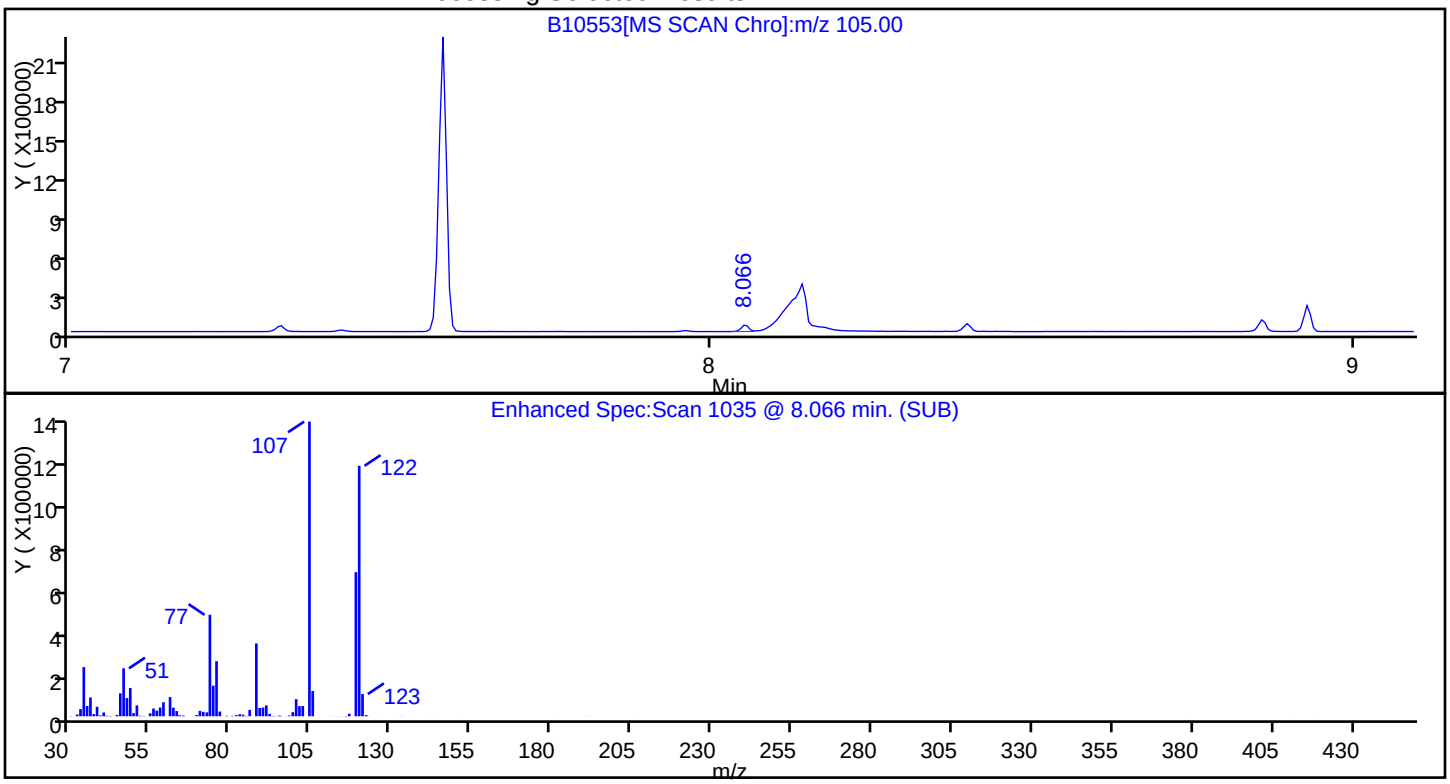


User Selected Alternate Hit Report

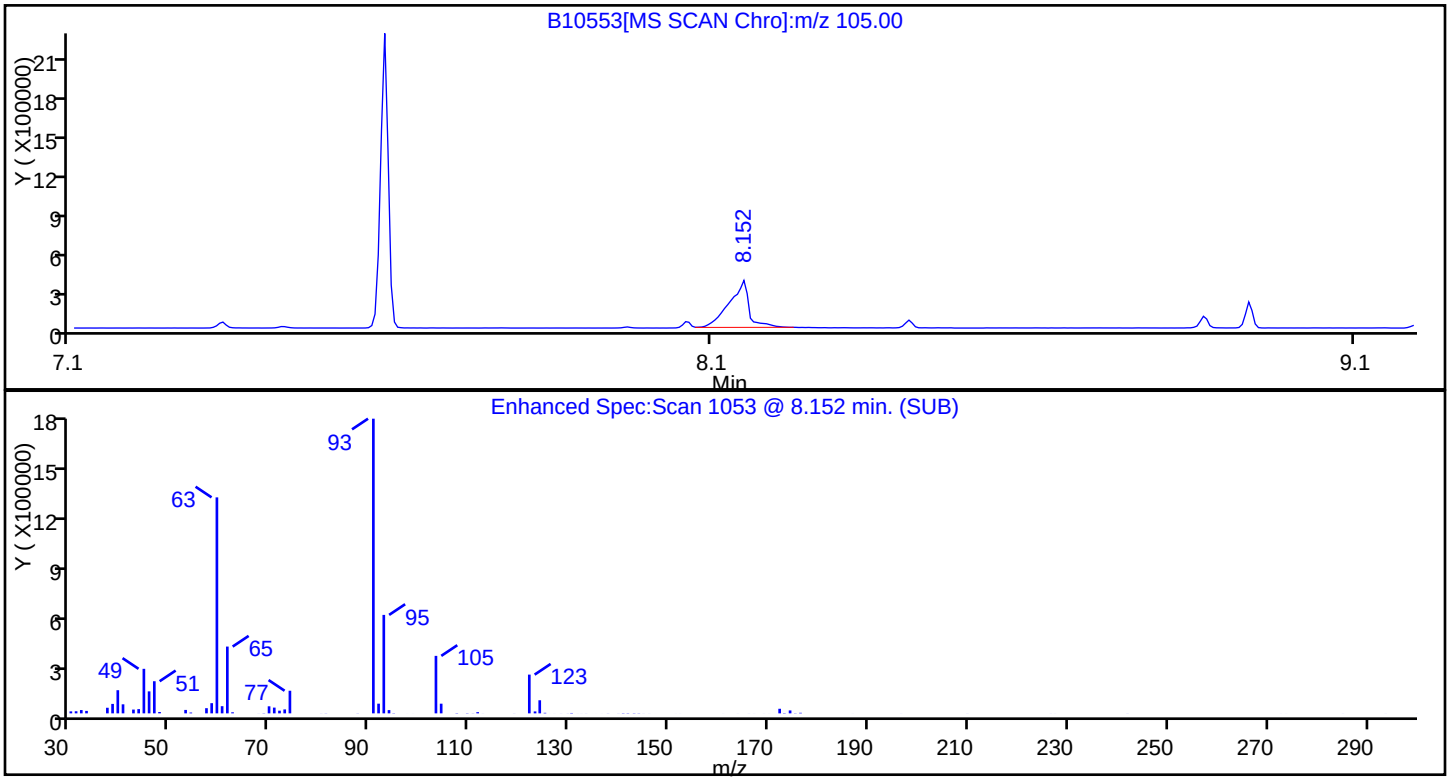
Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10553.D		
Inj Date:	25-Sep-2009 20:37:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	9
Client ID:		Instrument:	Inst. B
Sample Info:	std10		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid

Processing Selected Results



Manual Selected Results



Reviewer: sullivanp, 26-Sep-2009 17:07:35
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Lims ID:	std20	Client ID:	
Inject. Date:	25-Sep-2009 21:05:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	9
Sample ID:	std20		
Misc. Info.:	360-0001300-010		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	49509	Lims Sample ID:	10
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:15:44	Calib Date:	25-Sep-2009 20:37:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10553.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:10:11
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:21:13
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:16:55

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	7.255	7.254	0.001	353303	2.00	
* 2 Naphthalene-d8	136	8.400	8.389	0.011	1589068	2.00	
* 3 Acenaphthene-d10	164	9.885	9.879	0.006	348595	2.00	
* 4 Phenanthrene-d10	188	11.136	11.134	0.002	572096	2.00	
* 5 Chrysene-d12	240	14.055	14.044	0.011	468594	2.00	
* 6 Perylene-d12	264	16.536	16.530	0.006	277453	2.00	
$ 7 2-Fluorophenol	112	5.942	5.941	0.001	2190273	23.8	5
$ 8 Phenol-d5	99	6.909	6.898	0.011	2693547	23.1	5
$ 9 Nitrobenzene-d5	82	7.760	7.754	0.006	2562596	11.9	5
$ 10 2-Fluorobiphenyl	172	9.299	9.293	0.006	4570727	19.8	
$ 11 2,4,6-Tribromophenol	330	10.549	10.543	0.006	470606	21.3	5
$ 12 Terphenyl-d14	244	12.525	12.519	0.006	3553725	19.6	
14 1,4-Dioxane	88	3.124	3.137	-0.013	562912	20.8	5
15 N-Nitrosodimethylamine	42	3.812	3.806	0.006	1624304	23.9	5
16 Pyridine	79	3.802	3.820	-0.018	2217132	28.3	5
17 Benzaldehyde	105	6.851	6.850	0.001	1330765	20.8	5
18 Phenol	94	6.918	6.908	0.010	2792535	22.8	5
19 Aniline	93	6.957	6.946	0.011	3276597	23.0	5
20 Bis(2-chloroethyl)ether	93	7.010	7.004	0.006	2146426	22.4	5
21 2-Chlorophenol	128	7.063	7.057	0.006	2340440	22.0	5
22 1,4-Dichlorobenzene	146	7.202	7.201	0.001	2764406	21.4	5
23 1,3-Dichlorobenzene	146	7.269	7.268	0.001	2899963	21.5	5
24 Benzyl alcohol	79	7.380	7.374	0.006	2092293	24.7	5
25 1,2-Dichlorobenzene	146	7.414	7.412	0.002	2627640	20.8	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
26 2-Methylphenol	108	7.471	7.465	0.006	2122652	23.0	5
27 2,2'-oxybis[1-chloropropane]	45	7.495	7.494	0.001	3692735	20.7	5
28 3 & 4 Methylphenol	108	7.611	7.600	0.011	2318682	23.9	5
29 N-Nitrosodi-n-propylamine	70	7.621	7.610	0.010	1773079	24.4	5
30 Acetophenone	105	7.621	7.614	0.006	3311229	23.3	5
31 Hexachloroethane	117	7.717	7.715	0.002	1107488	23.4	5
32 Nitrobenzene	77	7.779	7.773	0.006	2551894	12.1	5
33 Isophorone	82	7.986	7.975	0.011	4142567	12.6	5
34 2-Nitrophenol	139	8.053	8.052	0.001	1303794	14.5	
35 2,4-Dimethylphenol	107	8.073	8.066	0.007	2264505	12.2	5
36 Benzoic acid	105	8.178	8.119	0.059	1338550	12.6	5M
37 Bis(2-chloroethoxy)methane	93	8.154	8.148	0.006	2436963	11.9	5
38 2,4-Dichlorophenol	162	8.260	8.254	0.006	1921116	13.6	
39 1,2,4-Trichlorobenzene	180	8.337	8.331	0.006	2113814	20.1	5
40 Alpha-Terpineol	59	8.400	8.393	0.007	2116016	12.9	
41 Naphthalene	128	8.409	8.408	0.001	5959557	10.1	5
42 4-Chloroaniline	127	8.448	8.442	0.006	2831482	12.5	5
43 Hexachlorobutadiene	225	8.505	8.504	0.001	1167647	12.3	5
44 Caprolactam	55	8.770	8.725	0.045	1005300	14.5	5
45 4-Chloro-3-methylphenol	107	8.842	8.831	0.011	2001686	14.1	
46 2-Methylnaphthalene	142	8.996	8.995	0.001	4274103	11.0	5
47 1-Methylnaphthalene	142	9.082	9.081	0.001	4159607	11.0	5
48 Hexachlorocyclopentadiene	237	9.126	9.124	0.002	886189	21.2	5
49 1,2,4,5-Tetrachlorobenzene	216	9.140	9.134	0.006	1785194	11.6	5
50 2,4,6-Trichlorophenol	196	9.227	9.225	0.002	1246113	22.0	5
51 2,4,5-Trichlorophenol	196	9.265	9.254	0.011	1321943	20.7	5
52 1,1'-Biphenyl	154	9.390	9.379	0.011	4741316	19.5	
53 2-Chloronaphthalene	162	9.419	9.413	0.006	4759855	20.6	5
54 Phenyl ether	170	9.467	9.466	0.001	2787871	11.4	5
68 4-Nitroaniline	138	9.491	9.485	0.006	1478275	20.7	5
56 Dimethyl phthalate	163	9.626	9.615	0.011	4354025	20.7	5
57 2,6-Dinitrotoluene	165	9.683	9.677	0.006	1090209	21.4	5
58 Acenaphthylene	152	9.770	9.764	0.006	5751593	19.7	
59 3-Nitroaniline	138	9.837	9.826	0.011	1060506	20.5	5
61 Acenaphthene	153	9.914	9.908	0.006	4135817	20.4	5
60 2,4-Dinitrophenol	184	9.919	9.913	0.006	550849	19.9	
62 4-Nitrophenol	109	9.948	9.937	0.011	681629	21.1	5
63 2,4-Dinitrotoluene	165	10.025	10.019	0.006	1497071	20.8	5
64 Dibenzofuran	168	10.059	10.052	0.007	5108455	19.4	
65 2,3,4,6-Tetrachlorophenol	232	10.150	10.144	0.006	947150	20.7	5
66 Diethyl phthalate	149	10.208	10.202	0.006	4489028	20.3	5
67 4-Chlorophenyl phenyl ether	204	10.323	10.322	0.001	2118281	21.1	5
69 Fluorene	166	10.347	10.341	0.006	4562933	21.0	5
55 2-Nitroaniline	65	10.352	10.341	0.011	1306478	20.0	
70 4,6-Dinitro-2-methylphenol	198	10.371	10.360	0.011	674656	20.4	5
71 Diphenylamine	169	10.424	10.418	0.006	3911351	21.3	5
72 N-Nitrosodiphenylamine	169	10.424	10.418	0.006	3911351	21.3	5
74 Azobenzene	77	10.463	10.456	0.006	7276951	21.0	5
73 1,2-Diphenylhydrazine	77	10.463	10.456	0.006	7276951	21.0	5
13 Benzophenone	105	10.472	10.466	0.006	4536922	22.4	5
75 4-Bromophenyl phenyl ether	248	10.741	10.735	0.006	1115762	21.8	5
76 Hexachlorobenzene	284	10.814	10.807	0.007	1026774	21.0	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
77 Atrazine	200	10.852	10.841	0.011	1126516	22.2	5
78 Pentachlorophenol	266	10.972	10.970	0.002	637333	20.0	
79 Pentachloronitrobenzene	237	10.982	10.976	0.006	567268	20.7	5
80 Phenanthrene	178	11.160	11.154	0.006	5522586	19.2	
81 Anthracene	178	11.203	11.197	0.006	5507107	20.3	5
83 Carbazole	167	11.323	11.317	0.006	4530354	20.0	
84 Di-n-butyl phthalate	149	11.569	11.562	0.007	6218741	17.6	
87 Fluoranthene	202	12.179	12.173	0.006	5359673	20.8	5
86 Benzidine	184	12.275	12.278	-0.003	1401082	20.0	
85 Pyrene	202	12.410	12.399	0.011	5660141	18.5	
89 Butyl benzyl phthalate	149	13.079	13.072	0.006	3126669	22.6	5
91 3,3'-Dichlorobenzidine	252	13.959	13.948	0.010	1308885	20.7	5
92 Bis(2-ethylhexyl) phthalate	149	13.987	13.981	0.006	4417840	20.1	5
93 Benzo[a]anthracene	228	14.035	14.025	0.010	4233849	20.4	5
94 Chrysene	228	14.108	14.092	0.016	3959532	20.1	5
95 Di-n-octyl phthalate	149	15.382	15.376	0.006	6482082	20.6	5
97 Benzo[b]fluoranthene	252	15.997	15.982	0.015	3790042	23.8	5
98 Benzo[k]fluoranthene	252	16.036	16.020	0.016	3306664	22.7	5
99 Benzo[a]pyrene	252	16.459	16.448	0.011	2735289	21.1	5
100 Indeno[1,2,3-cd]pyrene	276	18.349	18.333	0.016	1856809	20.2	5
101 Dibenz(a,h)anthracene	278	18.378	18.367	0.011	1525021	20.7	5
102 Benzo[g,h,i]perylene	276	18.883	18.867	0.016	1486622	19.7	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 28-Sep-2009 07:16:55 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D

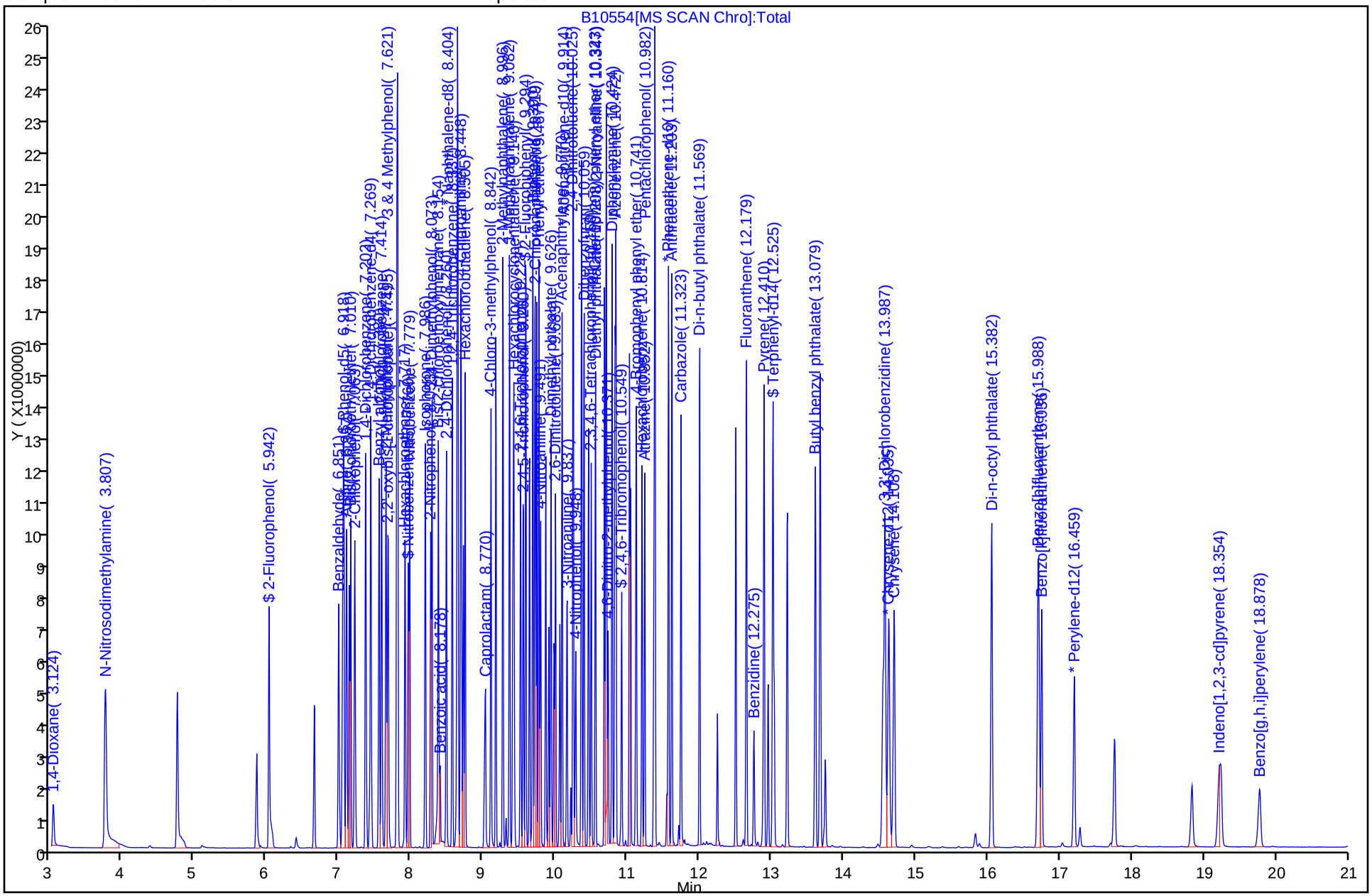
Inj Date: 25-Sep-2009 21:05:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49509 Lims Sample ID: 10

Client ID: Instrument: Inst. B

Sample Info: std20

Sample Amount: 1.00 ul Operator: MZ

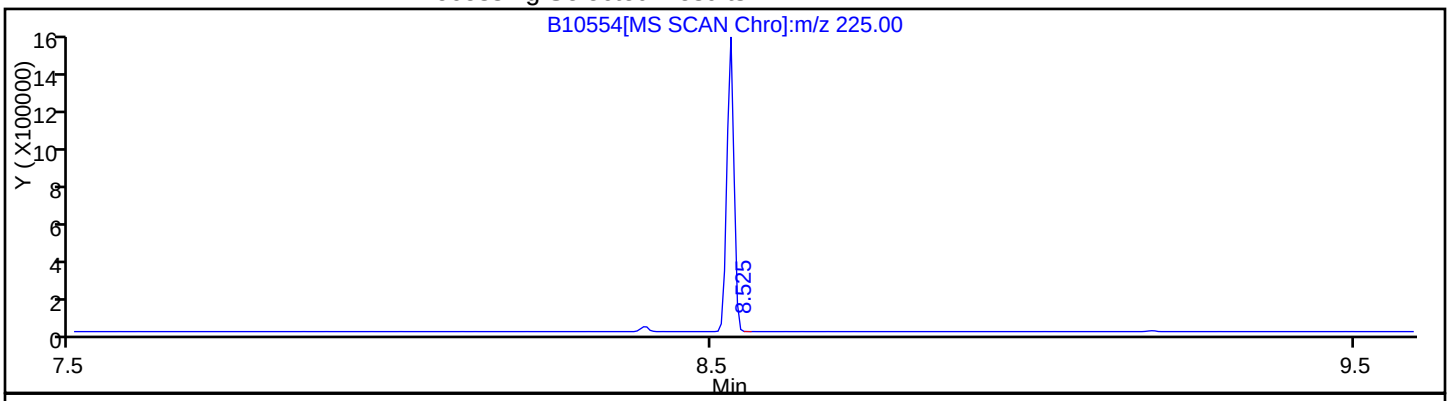


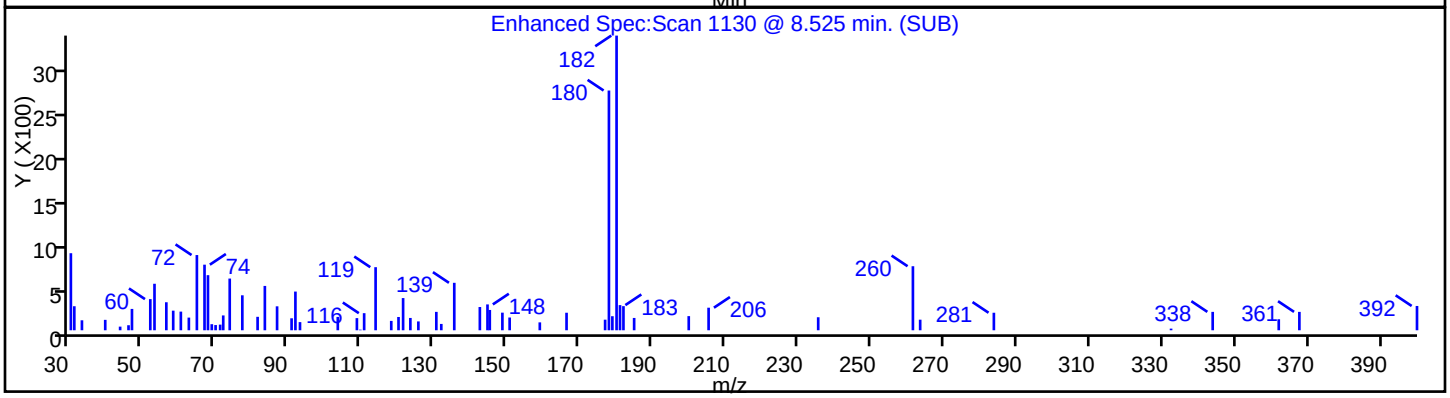
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Inj Date:	25-Sep-2009 21:05:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	1.00 ul	Operator:	MZ

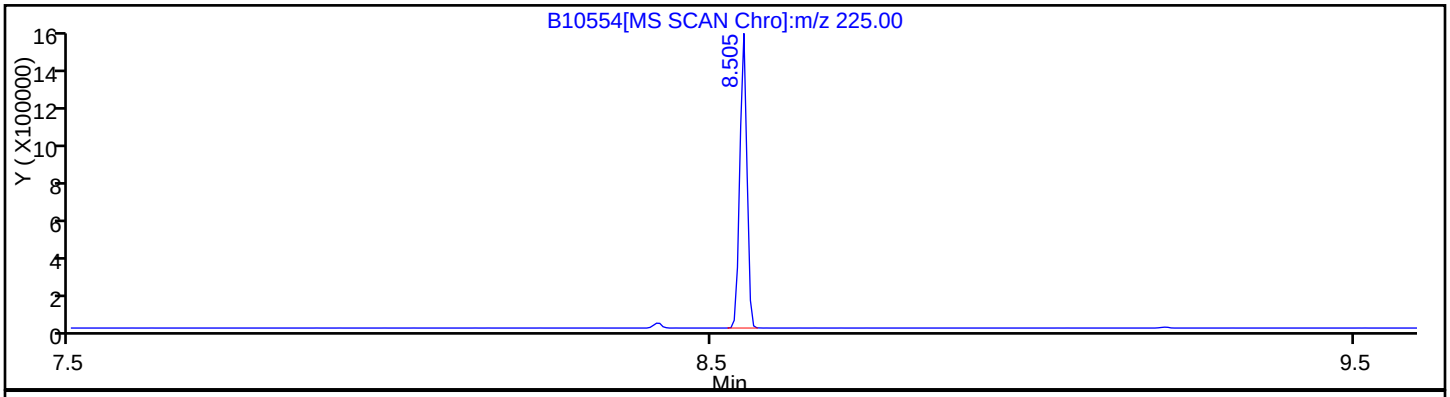
43 Hexachlorobutadiene

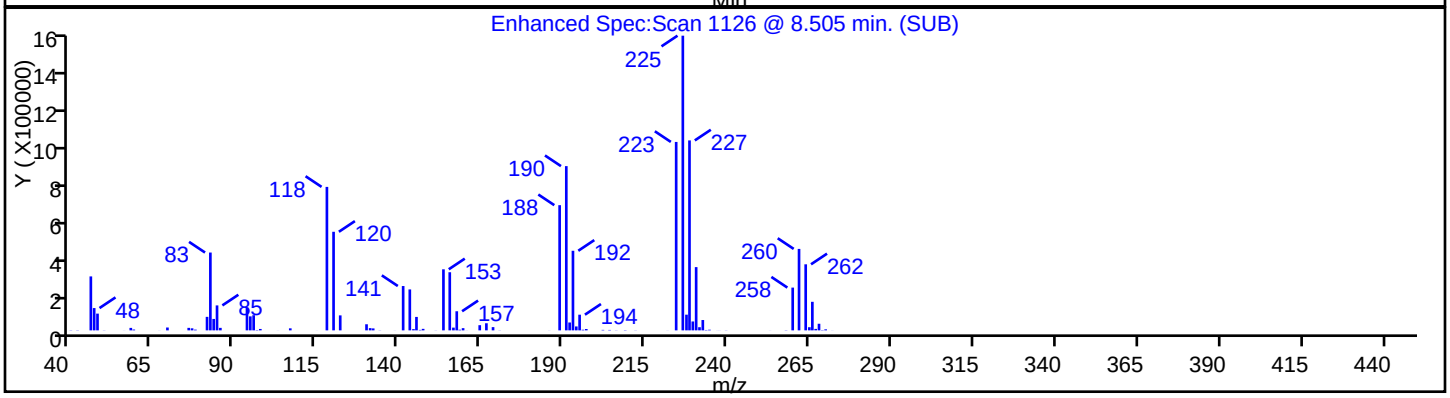
Processing Selected Results





Manual Selected Results





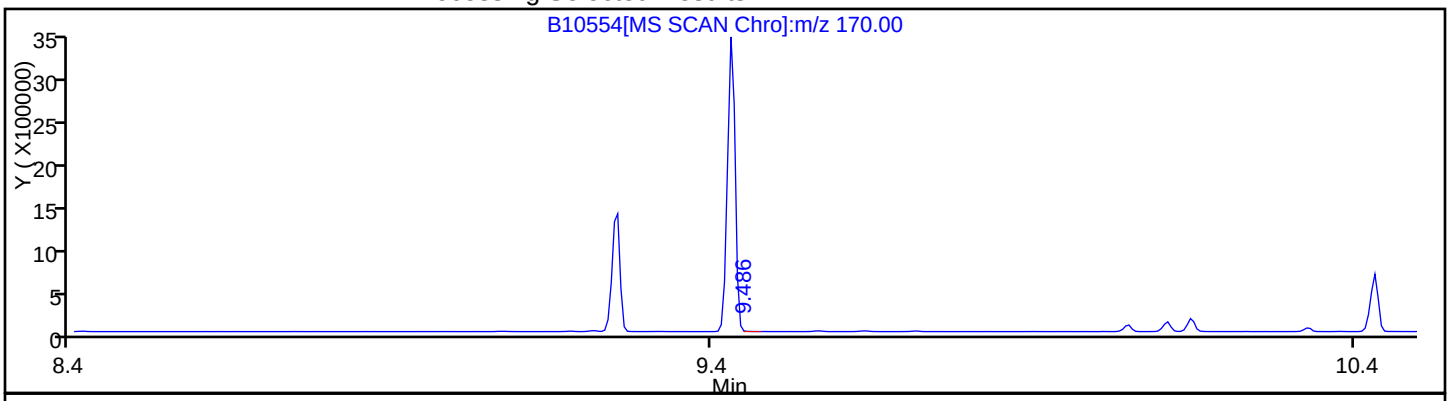
Reviewer: sullivanp, 26-Sep-2009 17:10:11
Audit Action: Selected Alternate Hit
Audit Reason:

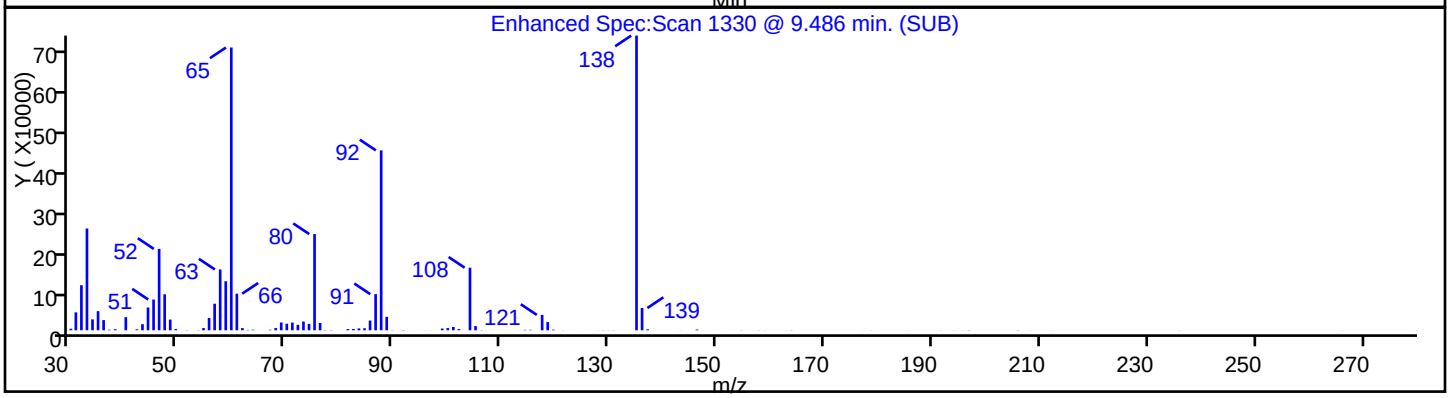
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Inj Date:	25-Sep-2009 21:05:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	1.00 ul	Operator:	MZ

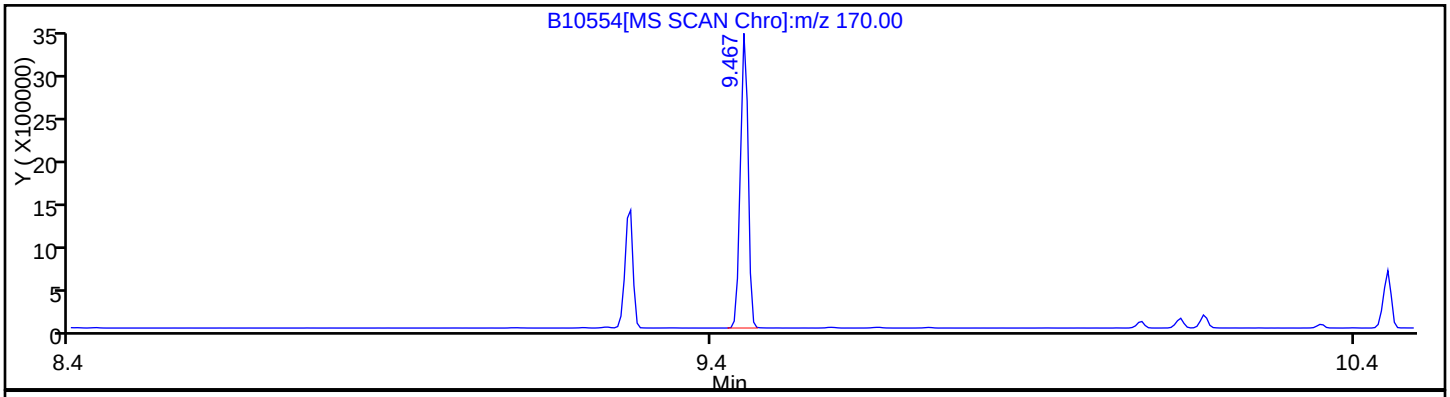
54 Phenyl ether

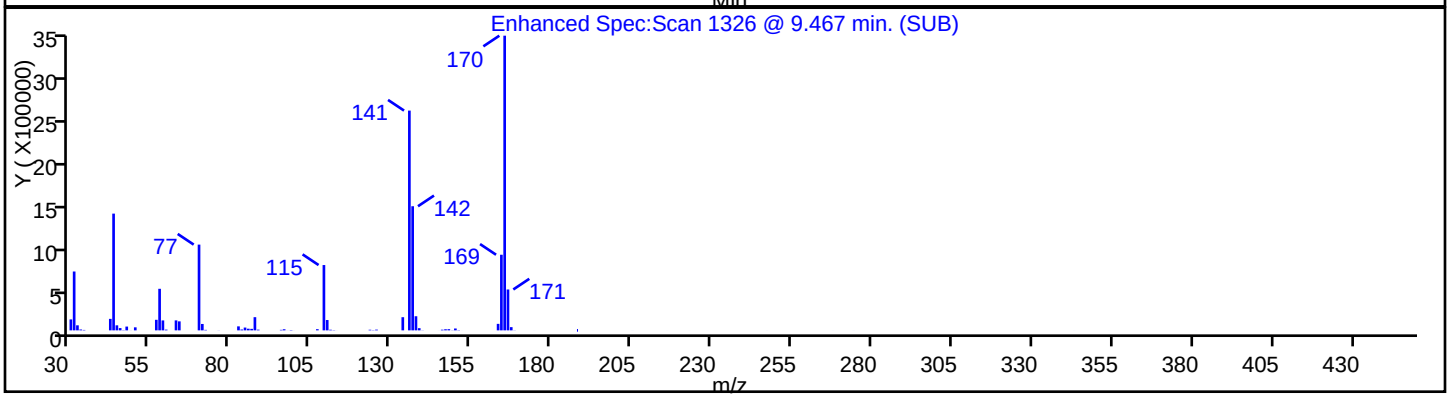
Processing Selected Results





Manual Selected Results





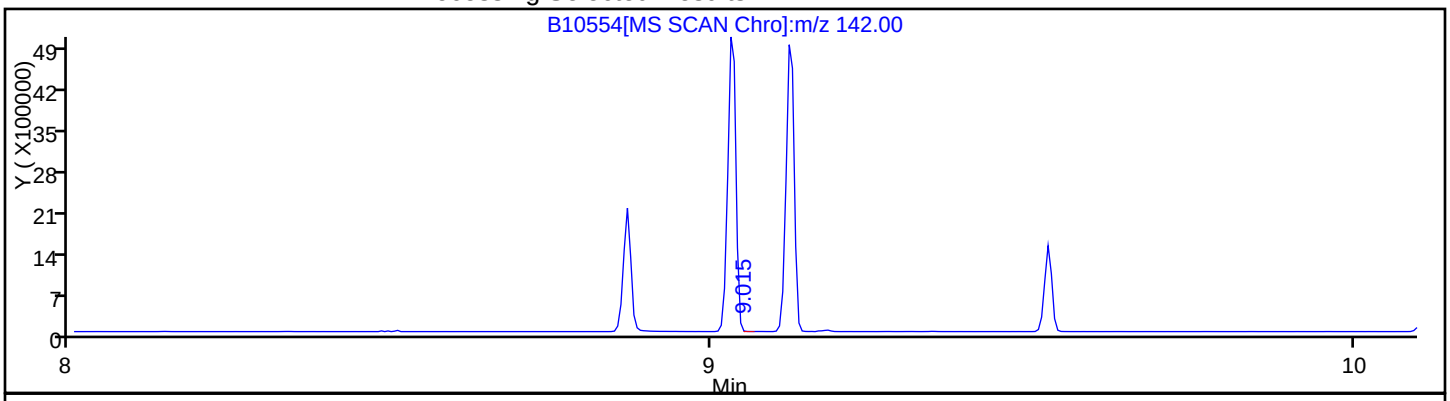
Reviewer: sullivanp, 26-Sep-2009 17:10:11
Audit Action: Selected Alternate Hit
Audit Reason:

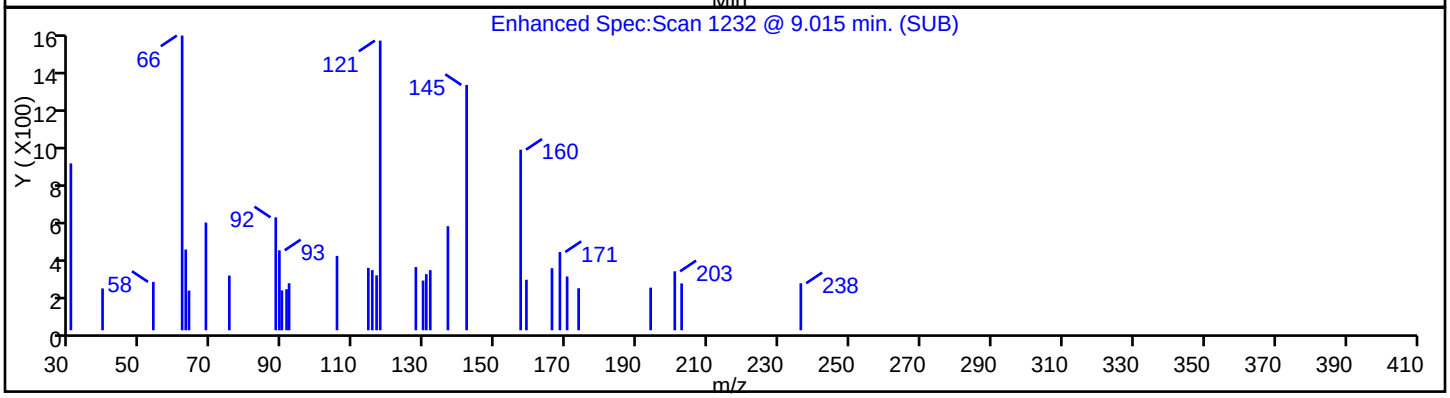
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Inj Date:	25-Sep-2009 21:05:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	1.00 ul	Operator:	MZ

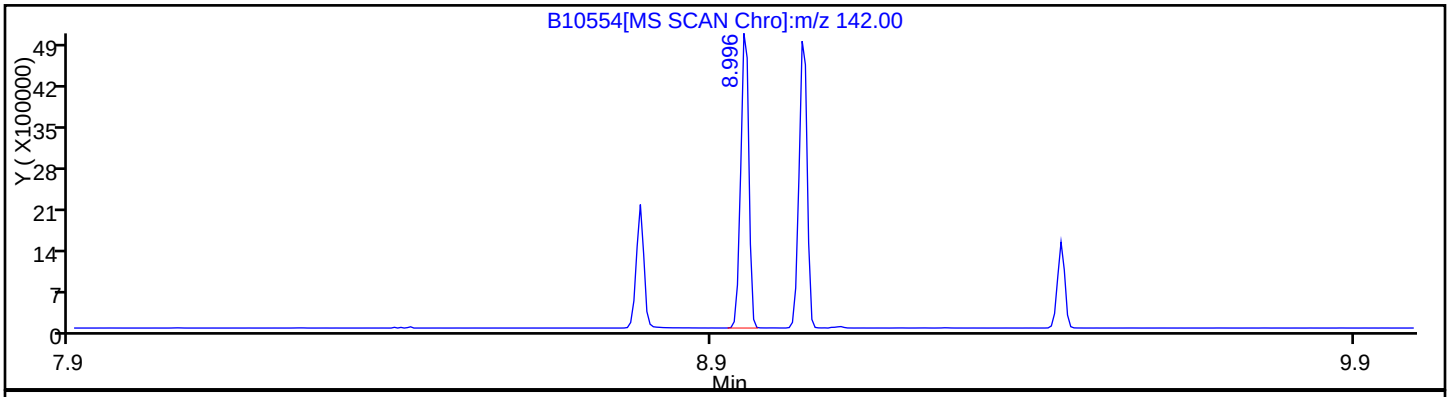
46 2-Methylnaphthalene

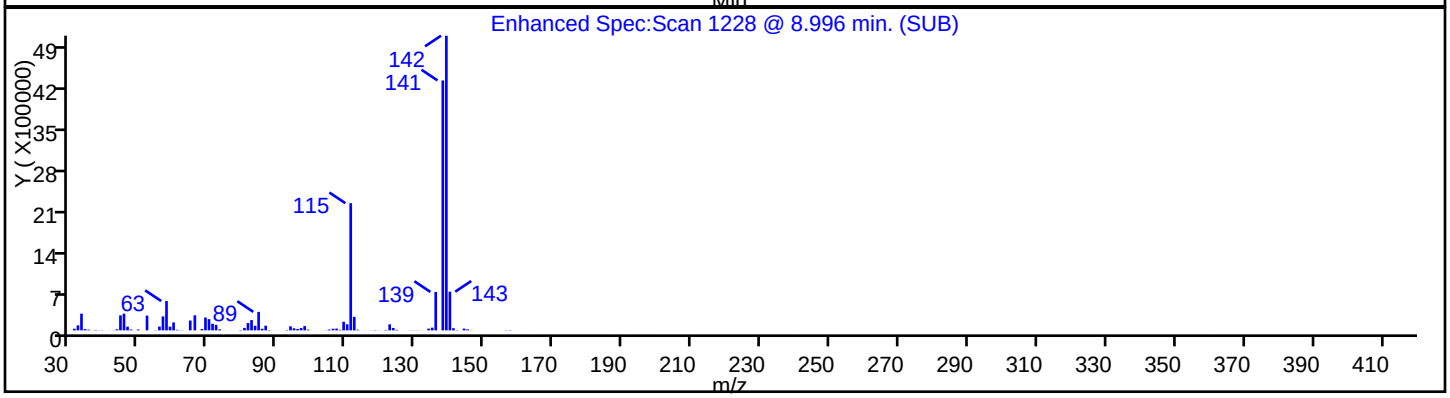
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 26-Sep-2009 17:10:11
Audit Action: Selected Alternate Hit
Audit Reason:

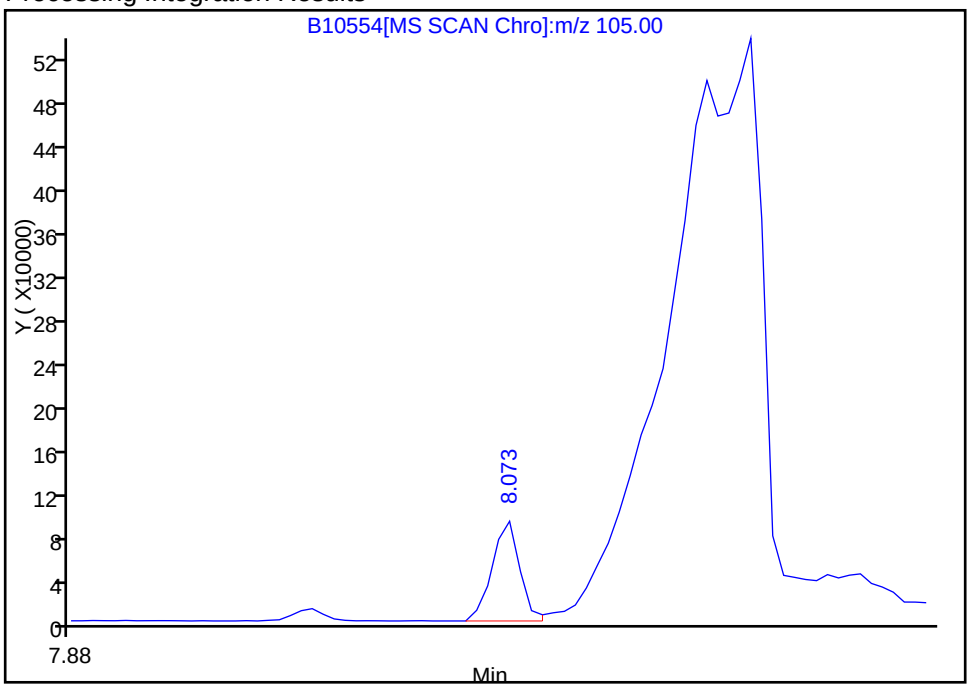
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Inj Date:	25-Sep-2009 21:05:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 8.12

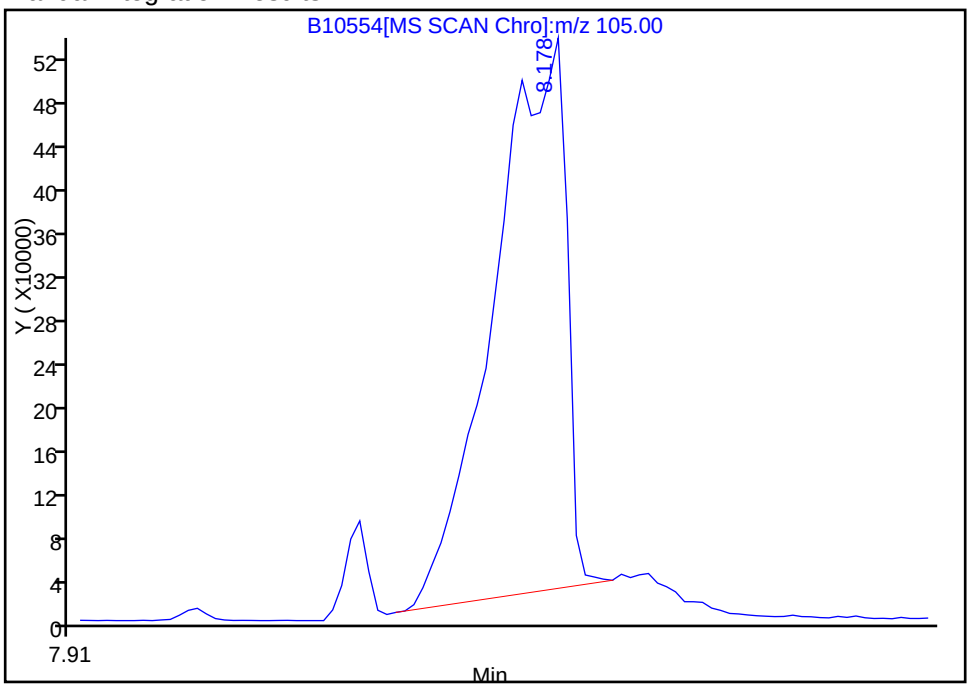
Processing Integration Results

RT: 8.07
Response: 77455
Amount: 1.822648



Manual Integration Results

RT: 8.18
Response: 1338550
Amount: 12.639034



Reviewer: sullivanp, 26-Sep-2009 17:10:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Lab Sample ID: CCV 360-49444/16 Calibration Date: 09/24/2009 00:08

Instrument ID: Inst. B Calib Start Date: 09/22/2009 15:32

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/22/2009 19:41

Lab File ID: B10523.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	None		0.0001			5000	-100.0*	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10523.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	24-Sep-2009 00:08:30	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#:	13
Lims Batch ID:	49444	Lims Sample ID:	16
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	30-Sep-2009 13:28:04	Calib Date:	23-Sep-2009 22:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	CORPWALTERS		
Reviewed By:	sullivanp	Date:	25-Sep-2009 10:44:39
Reviewed By:	sullivanp	Date:	25-Sep-2009 11:50:12
Reviewed By:	waltersg	Date:	30-Sep-2009 13:28:04

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	7.465	7.465	0.000	436165	2.00	
* 2 Naphthalene-d8	136	8.595	8.595	0.000	1093530	2.00	
* 3 Acenaphthene-d10	164	10.090	10.090	0.000	411129	2.00	
* 4 Phenanthrene-d10	188	11.346	11.346	0.000	669397	2.00	
* 5 Chrysene-d12	240	14.481	14.481	0.000	461348	2.00	
* 6 Perylene-d12	264	16.919	16.919	0.000	338613	2.00	
$ 7 2-Fluorophenol	112	6.166	6.166	0.000	559830	5.05	
$ 8 Phenol-d5	99	7.099	7.099	0.000	672611	4.52	
$ 9 Nitrobenzene-d5	82	7.960	7.960	0.000	672046	4.81	
$ 10 2-Fluorobiphenyl	172	9.494	9.494	0.000	1378952	5.21	
$ 11 2,4,6-Tribromophenol	330	10.754	10.754	0.000	116449	4.58	
$ 12 Terphenyl-d14	244	12.788	12.788	0.000	941862	4.87	
14 1,4-Dioxane	88	4.228	4.228	0.000	88		
15 N-Nitrosodimethylamine	42	4.233	4.233	0.000	387732	4.62	
16 Pyridine	79	4.248	4.248	0.000	474062	5.77	
17 Benzaldehyde	105	7.061	7.061	0.000	386371	4.66	
18 Phenol	94	7.114	7.114	0.000	695855	4.45	
19 Aniline	93	7.157	7.157	0.000	844921	4.69	
20 Bis(2-chloroethyl)ether	93	7.210	7.210	0.000	564305	4.52	
21 2-Chlorophenol	128	7.268	7.268	0.000	617602	4.65	
22 1,4-Dichlorobenzene	146	7.412	7.412	0.000	734595	4.50	
23 1,3-Dichlorobenzene	146	7.479	7.479	0.000	759869	4.47	
24 Benzyl alcohol	79	7.575	7.575	0.000	508178	5.75	
25 1,2-Dichlorobenzene	146	7.624	7.624	0.000	691104	5.83	
26 2-Methylphenol	108	7.667	7.667	0.000	541848	4.57	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	7.696	7.696	0.000	1010803	4.42	
28 3 & 4 Methylphenol	108	7.797	7.797	0.000	563843	4.53	
29 N-Nitrosodi-n-propylamine	70	7.811	7.811	0.000	424938	5.81	
30 Acetophenone	105	7.821	7.821	0.000	812158	4.54	
31 Hexachloroethane	117	7.926	7.926	0.000	266416	4.61	
32 Nitrobenzene	77	7.979	7.979	0.000	650967	5.04	
33 Isophorone	82	8.177	8.177	0.000	1100532	5.01	
34 2-Nitrophenol	139	8.253	8.253	0.000	331615	5.13	
35 2,4-Dimethylphenol	107	8.263	8.263	0.000	591375	4.91	
36 Benzoic acid	105	8.316	8.316	0.000	216490	4.51	
37 Bis(2-chloroethoxy)methane	93	8.345	8.345	0.000	627890	5.02	
38 2,4-Dichlorophenol	162	8.455	8.455	0.000	483140	4.88	
39 1,2,4-Trichlorobenzene	180	8.537	8.537	0.000	577446	5.14	
40 Alpha-Terpineol	59	8.595	8.595	0.000	567053	4.98	
41 Naphthalene	128	8.614	8.614	0.000	1820440	5.02	
42 4-Chloroaniline	127	8.643	8.643	0.000	736895	4.98	
43 Hexachlorobutadiene	225	8.705	8.705	0.000	297058	5.13	
44 Caprolactam	55	8.927	8.927	0.000	261401	5.53	
45 4-Chloro-3-methylphenol	107	9.028	9.028	0.000	506701	5.11	
46 2-Methylnaphthalene	142	9.196	9.196	0.000	1250872	5.04	
47 1-Methylnaphthalene	142	9.287	9.287	0.000	1207949	5.02	
48 Hexachlorocyclopentadiene	237	9.326	9.326	0.000	194978	4.41	
49 1,2,4,5-Tetrachlorobenzene	216	9.340	9.340	0.000	494000	5.12	
50 2,4,6-Trichlorophenol	196	9.427	9.427	0.000	329939	5.34	
51 2,4,5-Trichlorophenol	196	9.460	9.460	0.000	347424	5.00	
52 1,1'-Biphenyl	154	9.585	9.585	0.000	1443957	5.14	
53 2-Chloronaphthalene	162	9.619	9.619	0.000	1339803	4.97	
54 Phenyl ether	170	9.667	9.667	0.000	781360	5.11	
68 4-Nitroaniline	138	9.686	9.686	0.000	389042	4.86	
56 Dimethyl phthalate	163	9.816	9.816	0.000	1295553	5.19	
57 2,6-Dinitrotoluene	165	9.879	9.879	0.000	294986	5.25	
58 Acenaphthylene	152	9.975	9.975	0.000	1834907	5.36	
59 3-Nitroaniline	138	10.028	10.028	0.000	291387	5.06	
60 2,4-Dinitrophenol	184	10.114	10.114	0.000	91237	4.98	
61 Acenaphthene	153	10.119	10.119	0.000	1232360	5.22	
62 4-Nitrophenol	109	10.139	10.139	0.000	156317	4.53	
63 2,4-Dinitrotoluene	165	10.220	10.220	0.000	392159	4.71	
64 Dibenzofuran	168	10.259	10.259	0.000	1592433	5.14	
65 2,3,4,6-Tetrachlorophenol	232	10.355	10.355	0.000	247075	4.53	
66 Diethyl phthalate	149	10.398	10.398	0.000	1331835	5.10	
67 4-Chlorophenyl phenyl ether	204	10.528	10.528	0.000	598069	5.22	
55 2-Nitroaniline	65	10.547	10.547	0.000	313808	4.33	
69 Fluorene	166	10.552	10.552	0.000	1381754	5.28	
70 4,6-Dinitro-2-methylphenol	198	10.566	10.566	0.000	143863	5.01	
71 Diphenylamine	169	10.619	10.619	0.000	1129707	5.25	
72 N-Nitrosodiphenylamine	169	10.619	10.619	0.000	1129707	5.25	
73 1,2-Diphenylhydrazine	77	10.663	10.663	0.000	2191503	5.53	
74 Azobenzene	77	10.663	10.663	0.000	2191503	5.53	
13 Benzophenone	105	10.672	10.672	0.000	1292305	5.40	
75 4-Bromophenyl phenyl ether	248	10.942	10.942	0.000	310581	5.20	
76 Hexachlorobenzene	284	11.023	11.023	0.000	291665	5.10	
77 Atrazine	200	11.043	11.043	0.000	328593	5.37	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.177	11.177	0.000	135932	4.89	
79 Pentachloronitrobenzene	237	11.187	11.187	0.000	144403	4.73	
80 Phenanthrene	178	11.370	11.370	0.000	1748371	5.14	
81 Anthracene	178	11.413	11.413	0.000	1715325	5.37	
83 Carbazole	167	11.528	11.528	0.000	1363625	5.00	
84 Di-n-butyl phthalate	149	11.764	11.764	0.000	2162827	5.20	
87 Fluoranthene	202	12.423	12.423	0.000	1518307	5.15	
86 Benzidine	184	12.519	12.519	0.000	316523	5.87	
85 Pyrene	202	12.673	12.673	0.000	1588996	4.90	
89 Butyl benzyl phthalate	149	13.389	13.389	0.000	802495	5.41	
91 3,3'-Dichlorobenzidine	252	14.370	14.370	0.000	328604	4.95	
92 Bis(2-ethylhexyl) phthalate	149	14.394	14.394	0.000	1109926	5.38	
93 Benzo[a]anthracene	228	14.462	14.462	0.000	1070652	5.29	
94 Chrysene	228	14.539	14.539	0.000	991646	5.02	
95 Di-n-octyl phthalate	149	15.702	15.702	0.000	1689416	4.65	
97 Benzo[b]fluoranthene	252	16.323	16.323	0.000	950413	4.98	
98 Benzo[k]fluoranthene	252	16.366	16.366	0.000	909838	5.18	
99 Benzo[a]pyrene	252	16.832	16.832	0.000	750123	5.39	
100 Indeno[1,2,3-cd]pyrene	276	18.915	18.915	0.000	628430	5.10	
101 Dibenz(a,h)anthracene	278	18.939	18.939	0.000	494124	4.98	
102 Benzo[g,h,i]perylene	276	19.506	19.506	0.000	517384	5.13	

Report Date: 30-Sep-2009 13:28:05 Chrom Revision: 1.1 28-Sep-2009 07:28:04

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10523.D

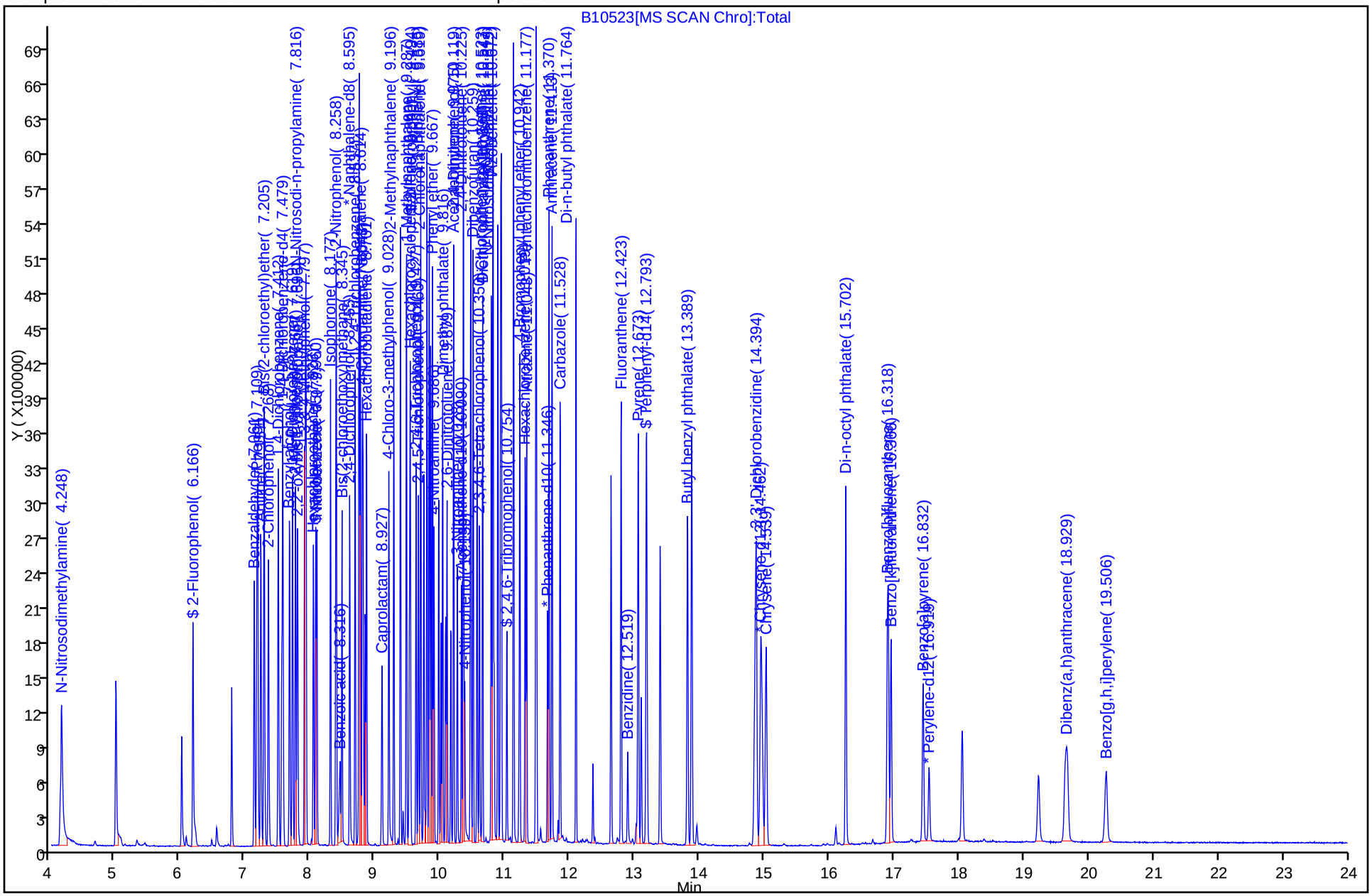
Inj Date: 24-Sep-2009 00:08:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49444 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.: 360-24499-2

SDG No.: OCRI-13A

Lab Sample ID: CCV 360-49444/16 Calibration Date: 09/24/2009 00:08

Instrument ID: Inst. B Calib Start Date: 09/23/2009 18:20

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/23/2009 22:32

Lab File ID: B10523.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.3851	0.3556		4620	5000	-7.7	30.0
Pyridine	Qua		0.4348		5770	5000	15.3	30.0
Benzaldehyde	Ave	0.3799	0.3543		4660	5000	-6.7	30.0
Phenol	Ave	0.7169	0.6382		4450	5000	-11.0	20.0
Aniline	Ave	0.8253	0.7749		4690	5000	-6.1	30.0
Bis(2-chloroethyl)ether	Ave	0.5718	0.5175		4520	5000	-9.5	30.0
2-Chlorophenol	Ave	0.6085	0.5664		4650	5000	-6.9	30.0
1,4-Dichlorobenzene	Ave	0.7493	0.6737		4500	5000	-10.1	20.0
1,3-Dichlorobenzene	Ave	0.7792	0.6969		4470	5000	-10.6	30.0
Benzyl alcohol	Qua		0.4660		5750	5000	14.9	30.0
1,2-Dichlorobenzene	Qua		0.6338		5830	5000	16.7	30.0
2-Methylphenol	Ave	0.5436	0.4969		4570	5000	-8.6	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.050	0.9270		4420	5000	-11.7	30.0
3 & 4 Methylphenol	Ave	0.5704	0.5171		4530	5000	-9.4	30.0
N-Nitrosodi-n-propylamine	Qua		0.3897	0.0500	5810	5000	16.2	30.0
Acetophenone	Ave	0.8206	0.7448		4540	5000	-9.2	30.0
Hexachloroethane	Ave	0.2652	0.2443		4610	5000	-7.9	30.0
Nitrobenzene	Qua		0.2381		5040	5000	0.9	30.0
Isophorone	Qua		0.4026		5010	5000	0.2	30.0
2-Nitrophenol	Ave	0.1182	0.1213		5130	5000	2.6	20.0
2,4-Dimethylphenol	Qua		0.2163		4910	5000	-1.9	30.0
Benzoic acid	Qua		0.0792		4510	5000	-9.9	30.0
Bis(2-chloroethoxy)methane	Qua		0.2297		5020	5000	0.4	30.0
2,4-Dichlorophenol	Qua		0.1767		4880	5000	-2.4	20.0
1,2,4-Trichlorobenzene	Qua		0.2112		5140	5000	2.8	30.0
Alpha-Terpineol	Qua		0.2074		4980	5000	-0.3	30.0
Naphthalene	Qua		0.6659		5020	5000	0.4	30.0
4-Chloroaniline	Qua		0.2696		4980	5000	-0.3	30.0
Hexachlorobutadiene	Qua		0.1087		5130	5000	2.6	20.0
Caprolactam	Ave	0.0864	0.0956		5530	5000	10.7	30.0
4-Chloro-3-methylphenol	Ave	0.1814	0.1854		5110	5000	2.2	20.0
2-Methylnaphthalene	Qua		0.4576		5040	5000	0.8	30.0
1-Methylnaphthalene	Qua		0.4419		5020	5000	0.4	30.0
Hexachlorocyclopentadiene	Lin		0.1897	0.0500	4410	5000	-11.7	30.0
1,2,4,5-Tetrachlorobenzene	Qua		0.1807		5120	5000	2.4	30.0
2,4,6-Trichlorophenol	Ave	0.3004	0.3210		5340	5000	6.9	20.0
2,4,5-Trichlorophenol	Lin2		0.3380		5000	5000	0.1	30.0
1,1'-Biphenyl	Ave	1.367	1.405		5140	5000	2.8	30.0
2-Chloronaphthalene	Ave	1.311	1.304		4970	5000	-0.6	30.0
Phenyl ether	Qua		0.2858		5110	5000	2.1	30.0
4-Nitroaniline	Lin1		0.3785		4860	5000	-2.8	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Lab Sample ID: CCV 360-49444/16 Calibration Date: 09/24/2009 00:08

Instrument ID: Inst. B Calib Start Date: 09/23/2009 18:20

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/23/2009 22:32

Lab File ID: B10523.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dimethyl phthalate	Ave	1.213	1.260		5190	5000	3.9	30.0
2,6-Dinitrotoluene	Ave	0.2733	0.2870		5250	5000	5.0	30.0
Acenaphthylene	Ave	1.666	1.785		5360	5000	7.1	30.0
3-Nitroaniline	Lin2		0.2835		5060	5000	1.2	30.0
2,4-Dinitrophenol	Qua		0.0888	0.0500	4980	5000	-0.4	30.0
Acenaphthene	Ave	1.148	1.199		5220	5000	4.4	20.0
4-Nitrophenol	Lin2		0.1521	0.0500	4530	5000	-9.5	30.0
2,4-Dinitrotoluene	Lin1		0.3815		4710	5000	-5.9	30.0
Dibenzofuran	Ave	1.508	1.549		5140	5000	2.7	30.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2404		4530	5000	-9.5	30.0
Diethyl phthalate	Ave	1.269	1.296		5100	5000	2.1	30.0
4-Chlorophenyl phenyl ether	Ave	0.5578	0.5819		5220	5000	4.3	30.0
2-Nitroaniline	Lin1		0.3053		4330	5000	-13.5	30.0
Fluorene	Ave	1.273	1.344		5280	5000	5.6	30.0
4,6-Dinitro-2-methylphenol	Qua		0.0860		5010	5000	0.3	30.0
Diphenylamine	Ave	0.6434	0.6751		5250	5000	4.9	30.0
N-Nitrosodiphenylamine	Ave	0.6434	0.6751		5250	5000	4.9	20.0
1,2-Diphenylhydrazine	Ave	1.183	1.310		5530	5000	10.7	30.0
Azobenzene	Ave	1.183	1.310		5530	5000	10.7	30.0
Benzophenone	Ave	0.7148	0.7722		5400	5000	8.0	30.0
4-Bromophenyl phenyl ether	Ave	0.1783	0.1856		5200	5000	4.1	30.0
Hexachlorobenzene	Ave	0.1708	0.1743		5100	5000	2.1	30.0
Atrazine	Ave	0.1828	0.1964		5370	5000	7.4	30.0
Pentachlorophenol	Qua		0.0812		4890	5000	-2.2	20.0
Pentachloronitrobenzene	Lin1		0.0863		4730	5000	-5.4	30.0
Phenanthrene	Ave	1.016	1.045		5140	5000	2.9	30.0
Anthracene	Ave	0.9543	1.025		5370	5000	7.4	30.0
Carbazole	Ave	0.8144	0.8148		5000	5000	0.0	30.0
Di-n-butyl phthalate	Ave	1.242	1.292		5200	5000	4.0	30.0
Fluoranthene	Ave	0.8816	0.9073		5150	5000	2.9	20.0
Benzidine	Qua		0.1891		5870	5000	17.5	30.0
Pyrene	Ave	1.407	1.378		4900	5000	-2.1	30.0
Butyl benzyl phthalate	Ave	0.6425	0.6958		5410	5000	8.3	30.0
3,3'-Dichlorobenzidine	Lin1		0.2849		4950	5000	-0.9	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.8947	0.9623		5380	5000	7.6	30.0
Benzo[a]anthracene	Ave	0.8775	0.9283		5290	5000	5.8	30.0
Chrysene	Ave	0.8568	0.8598		5020	5000	0.3	30.0
Di-n-octyl phthalate	Lin1		1.996		4650	5000	-7.1	20.0
Benzo[b]fluoranthene	Ave	1.128	1.123		4980	5000	-0.5	30.0
Benzo[k]fluoranthene	Ave	1.038	1.075		5180	5000	3.6	30.0
Benzo[a]pyrene	Ave	0.8216	0.8861		5390	5000	7.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Lab Sample ID: CCV 360-49444/16 Calibration Date: 09/24/2009 00:08

Instrument ID: Inst. B Calib Start Date: 09/23/2009 18:20

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/23/2009 22:32

Lab File ID: B10523.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	Lin1		0.7424		5100	5000	2.0	30.0
Dibenz(a,h)anthracene	Lin1		0.5837		4980	5000	-0.3	30.0
Benzo[g,h,i]perylene	Ave	0.5952	0.6112		5130	5000	2.7	30.0
2-Fluorophenol	Ave	0.5080	0.5134		5050	5000	1.1	30.0
Phenol-d5	Ave	0.6822	0.6168		4520	5000	-9.6	30.0
Nitrobenzene-d5	Ave	0.2553	0.2458		4810	5000	-3.7	30.0
2-Fluorobiphenyl	Ave	1.288	1.342		5210	5000	4.1	30.0
2,4,6-Tribromophenol	Lin1		0.0696		4580	5000	-8.3	30.0
Terphenyl-d14	Ave	0.8384	0.8166		4870	5000	-2.6	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10523.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	24-Sep-2009 00:08:30	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#:	13
Lims Batch ID:	49444	Lims Sample ID:	16
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	30-Sep-2009 13:28:04	Calib Date:	23-Sep-2009 22:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	CORPWALTERS		
Reviewed By:	sullivanp	Date:	25-Sep-2009 10:44:39
Reviewed By:	sullivanp	Date:	25-Sep-2009 11:50:12
Reviewed By:	waltersg	Date:	30-Sep-2009 13:28:04

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	7.465	7.465	0.000	436165	2.00	
* 2 Naphthalene-d8	136	8.595	8.595	0.000	1093530	2.00	
* 3 Acenaphthene-d10	164	10.090	10.090	0.000	411129	2.00	
* 4 Phenanthrene-d10	188	11.346	11.346	0.000	669397	2.00	
* 5 Chrysene-d12	240	14.481	14.481	0.000	461348	2.00	
* 6 Perylene-d12	264	16.919	16.919	0.000	338613	2.00	
$ 7 2-Fluorophenol	112	6.166	6.166	0.000	559830	5.05	
$ 8 Phenol-d5	99	7.099	7.099	0.000	672611	4.52	
$ 9 Nitrobenzene-d5	82	7.960	7.960	0.000	672046	4.81	
$ 10 2-Fluorobiphenyl	172	9.494	9.494	0.000	1378952	5.21	
$ 11 2,4,6-Tribromophenol	330	10.754	10.754	0.000	116449	4.58	
$ 12 Terphenyl-d14	244	12.788	12.788	0.000	941862	4.87	
14 1,4-Dioxane	88	4.228	4.228	0.000	88		
15 N-Nitrosodimethylamine	42	4.233	4.233	0.000	387732	4.62	
16 Pyridine	79	4.248	4.248	0.000	474062	5.77	
17 Benzaldehyde	105	7.061	7.061	0.000	386371	4.66	
18 Phenol	94	7.114	7.114	0.000	695855	4.45	
19 Aniline	93	7.157	7.157	0.000	844921	4.69	
20 Bis(2-chloroethyl)ether	93	7.210	7.210	0.000	564305	4.52	
21 2-Chlorophenol	128	7.268	7.268	0.000	617602	4.65	
22 1,4-Dichlorobenzene	146	7.412	7.412	0.000	734595	4.50	
23 1,3-Dichlorobenzene	146	7.479	7.479	0.000	759869	4.47	
24 Benzyl alcohol	79	7.575	7.575	0.000	508178	5.75	
25 1,2-Dichlorobenzene	146	7.624	7.624	0.000	691104	5.83	
26 2-Methylphenol	108	7.667	7.667	0.000	541848	4.57	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	7.696	7.696	0.000	1010803	4.42	
28 3 & 4 Methylphenol	108	7.797	7.797	0.000	563843	4.53	
29 N-Nitrosodi-n-propylamine	70	7.811	7.811	0.000	424938	5.81	
30 Acetophenone	105	7.821	7.821	0.000	812158	4.54	
31 Hexachloroethane	117	7.926	7.926	0.000	266416	4.61	
32 Nitrobenzene	77	7.979	7.979	0.000	650967	5.04	
33 Isophorone	82	8.177	8.177	0.000	1100532	5.01	
34 2-Nitrophenol	139	8.253	8.253	0.000	331615	5.13	
35 2,4-Dimethylphenol	107	8.263	8.263	0.000	591375	4.91	
36 Benzoic acid	105	8.316	8.316	0.000	216490	4.51	
37 Bis(2-chloroethoxy)methane	93	8.345	8.345	0.000	627890	5.02	
38 2,4-Dichlorophenol	162	8.455	8.455	0.000	483140	4.88	
39 1,2,4-Trichlorobenzene	180	8.537	8.537	0.000	577446	5.14	
40 Alpha-Terpineol	59	8.595	8.595	0.000	567053	4.98	
41 Naphthalene	128	8.614	8.614	0.000	1820440	5.02	
42 4-Chloroaniline	127	8.643	8.643	0.000	736895	4.98	
43 Hexachlorobutadiene	225	8.705	8.705	0.000	297058	5.13	
44 Caprolactam	55	8.927	8.927	0.000	261401	5.53	
45 4-Chloro-3-methylphenol	107	9.028	9.028	0.000	506701	5.11	
46 2-Methylnaphthalene	142	9.196	9.196	0.000	1250872	5.04	
47 1-Methylnaphthalene	142	9.287	9.287	0.000	1207949	5.02	
48 Hexachlorocyclopentadiene	237	9.326	9.326	0.000	194978	4.41	
49 1,2,4,5-Tetrachlorobenzene	216	9.340	9.340	0.000	494000	5.12	
50 2,4,6-Trichlorophenol	196	9.427	9.427	0.000	329939	5.34	
51 2,4,5-Trichlorophenol	196	9.460	9.460	0.000	347424	5.00	
52 1,1'-Biphenyl	154	9.585	9.585	0.000	1443957	5.14	
53 2-Chloronaphthalene	162	9.619	9.619	0.000	1339803	4.97	
54 Phenyl ether	170	9.667	9.667	0.000	781360	5.11	
68 4-Nitroaniline	138	9.686	9.686	0.000	389042	4.86	
56 Dimethyl phthalate	163	9.816	9.816	0.000	1295553	5.19	
57 2,6-Dinitrotoluene	165	9.879	9.879	0.000	294986	5.25	
58 Acenaphthylene	152	9.975	9.975	0.000	1834907	5.36	
59 3-Nitroaniline	138	10.028	10.028	0.000	291387	5.06	
60 2,4-Dinitrophenol	184	10.114	10.114	0.000	91237	4.98	
61 Acenaphthene	153	10.119	10.119	0.000	1232360	5.22	
62 4-Nitrophenol	109	10.139	10.139	0.000	156317	4.53	
63 2,4-Dinitrotoluene	165	10.220	10.220	0.000	392159	4.71	
64 Dibenzofuran	168	10.259	10.259	0.000	1592433	5.14	
65 2,3,4,6-Tetrachlorophenol	232	10.355	10.355	0.000	247075	4.53	
66 Diethyl phthalate	149	10.398	10.398	0.000	1331835	5.10	
67 4-Chlorophenyl phenyl ether	204	10.528	10.528	0.000	598069	5.22	
55 2-Nitroaniline	65	10.547	10.547	0.000	313808	4.33	
69 Fluorene	166	10.552	10.552	0.000	1381754	5.28	
70 4,6-Dinitro-2-methylphenol	198	10.566	10.566	0.000	143863	5.01	
71 Diphenylamine	169	10.619	10.619	0.000	1129707	5.25	
72 N-Nitrosodiphenylamine	169	10.619	10.619	0.000	1129707	5.25	
73 1,2-Diphenylhydrazine	77	10.663	10.663	0.000	2191503	5.53	
74 Azobenzene	77	10.663	10.663	0.000	2191503	5.53	
13 Benzophenone	105	10.672	10.672	0.000	1292305	5.40	
75 4-Bromophenyl phenyl ether	248	10.942	10.942	0.000	310581	5.20	
76 Hexachlorobenzene	284	11.023	11.023	0.000	291665	5.10	
77 Atrazine	200	11.043	11.043	0.000	328593	5.37	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.177	11.177	0.000	135932	4.89	
79 Pentachloronitrobenzene	237	11.187	11.187	0.000	144403	4.73	
80 Phenanthrene	178	11.370	11.370	0.000	1748371	5.14	
81 Anthracene	178	11.413	11.413	0.000	1715325	5.37	
83 Carbazole	167	11.528	11.528	0.000	1363625	5.00	
84 Di-n-butyl phthalate	149	11.764	11.764	0.000	2162827	5.20	
87 Fluoranthene	202	12.423	12.423	0.000	1518307	5.15	
86 Benzidine	184	12.519	12.519	0.000	316523	5.87	
85 Pyrene	202	12.673	12.673	0.000	1588996	4.90	
89 Butyl benzyl phthalate	149	13.389	13.389	0.000	802495	5.41	
91 3,3'-Dichlorobenzidine	252	14.370	14.370	0.000	328604	4.95	
92 Bis(2-ethylhexyl) phthalate	149	14.394	14.394	0.000	1109926	5.38	
93 Benzo[a]anthracene	228	14.462	14.462	0.000	1070652	5.29	
94 Chrysene	228	14.539	14.539	0.000	991646	5.02	
95 Di-n-octyl phthalate	149	15.702	15.702	0.000	1689416	4.65	
97 Benzo[b]fluoranthene	252	16.323	16.323	0.000	950413	4.98	
98 Benzo[k]fluoranthene	252	16.366	16.366	0.000	909838	5.18	
99 Benzo[a]pyrene	252	16.832	16.832	0.000	750123	5.39	
100 Indeno[1,2,3-cd]pyrene	276	18.915	18.915	0.000	628430	5.10	
101 Dibenz(a,h)anthracene	278	18.939	18.939	0.000	494124	4.98	
102 Benzo[g,h,i]perylene	276	19.506	19.506	0.000	517384	5.13	

Report Date: 30-Sep-2009 13:28:05 Chrom Revision: 1.1 28-Sep-2009 07:28:04

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10523.D

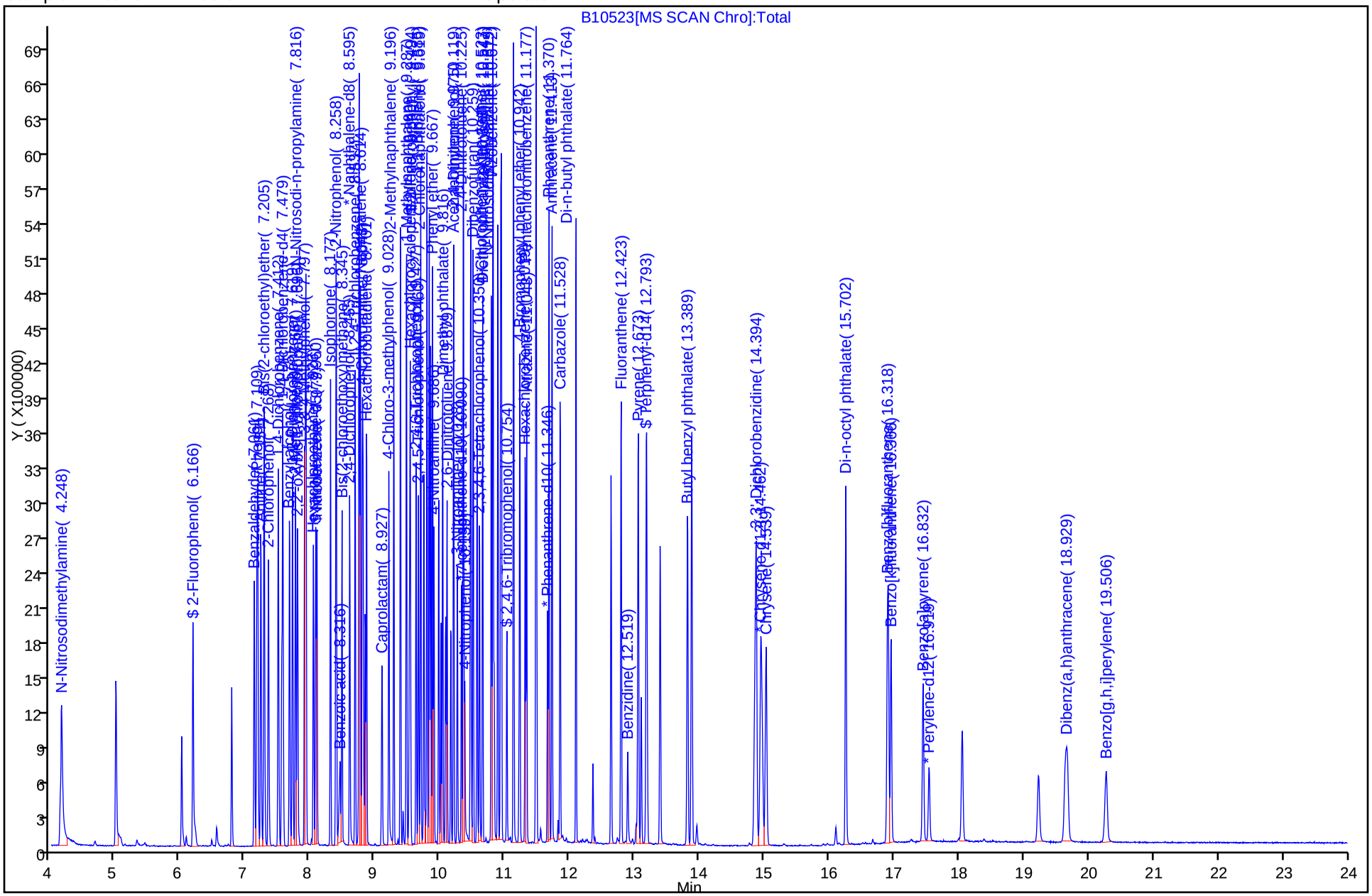
Inj Date: 24-Sep-2009 00:08:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49444 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.: 360-24499-2

SDG No.: OCRI-13A

Lab Sample ID: CCV 360-49511/13 Calibration Date: 09/25/2009 22:28

Instrument ID: Inst. B Calib Start Date: 09/25/2009 17:23

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/25/2009 21:05

Lab File ID: B10557.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin1		0.1692		5350	5000	6.9	30.0
N-Nitrosodimethylamine	Ave	0.3845	0.3639		4730	5000	-5.4	30.0
Pyridine	Ave	0.4428	0.4461		5040	5000	0.7	30.0
Benzaldehyde	Ave	0.3629	0.3594		4950	5000	-1.0	30.0
Phenol	Ave	0.6926	0.6582		4750	5000	-5.0	20.0
Aniline	Ave	0.8070	0.7949		4930	5000	-1.5	30.0
Bis(2-chloroethyl)ether	Ave	0.5429	0.5116		4710	5000	-5.8	30.0
2-Chlorophenol	Ave	0.6014	0.5695		4730	5000	-5.3	30.0
1,4-Dichlorobenzene	Ave	0.7299	0.6859		4700	5000	-6.0	20.0
1,3-Dichlorobenzene	Ave	0.7624	0.7190		4710	5000	-5.7	30.0
Benzyl alcohol	Ave	0.4798	0.4709		4910	5000	-1.8	30.0
1,2-Dichlorobenzene	Ave	0.7144	0.6555		4590	5000	-8.2	30.0
2-Methylphenol	Ave	0.5218	0.4998		4790	5000	-4.2	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.011	0.9465		4680	5000	-6.4	30.0
3 & 4 Methylphenol	Ave	0.5493	0.5329		4850	5000	-3.0	30.0
N-Nitrosodi-n-propylamine	Ave	0.4112	0.4063	0.0500	4940	5000	-1.2	30.0
Acetophenone	Ave	0.8037	0.7876		4900	5000	-2.0	30.0
Hexachloroethane	Ave	0.2684	0.2612		4870	5000	-2.7	30.0
Nitrobenzene	Ave	0.2653	0.2563		4830	5000	-3.4	30.0
Isophorone	Ave	0.4146	0.4325		5220	5000	4.3	30.0
2-Nitrophenol	Ave	0.1129	0.1296		5740	5000	14.9	20.0
2,4-Dimethylphenol	Ave	0.2342	0.2217		4730	5000	-5.4	30.0
Benzoic acid	Qua		0.0602		4550	5000	-9.0	30.0
Bis(2-chloroethoxy)methane	Ave	0.2587	0.2433		4700	5000	-5.9	30.0
2,4-Dichlorophenol	Ave	0.1772	0.1819		5130	5000	2.6	20.0
1,2,4-Trichlorobenzene	Qua		0.2174		5250	5000	5.1	30.0
Alpha-Terpineol	Ave	0.2058	0.2181		5300	5000	6.0	30.0
Naphthalene	Ave	0.7406	0.6973		4710	5000	-5.8	30.0
4-Chloroaniline	Ave	0.2846	0.2813		4940	5000	-1.2	30.0
Hexachlorobutadiene	Ave	0.1199	0.1161		4840	5000	-3.2	20.0
Caprolactam	Ave	0.0873	0.0998		5720	5000	14.4	30.0
4-Chloro-3-methylphenol	Ave	0.1792	0.1889		5270	5000	5.4	20.0
2-Methylnaphthalene	Ave	0.4893	0.4556		4660	5000	-6.9	30.0
1-Methylnaphthalene	Ave	0.4747	0.4406		4640	5000	-7.2	30.0
Hexachlorocyclopentadiene	Lin1		0.2253	0.0500	4770	5000	-4.7	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.1938	0.1809		4670	5000	-6.7	30.0
2,4,6-Trichlorophenol	Lin2		0.3340		5170	5000	3.5	20.0
2,4,5-Trichlorophenol	Lin1		0.3416		4720	5000	-5.6	30.0
1,1'-Biphenyl	Ave	1.396	1.453		5200	5000	4.1	30.0
2-Chloronaphthalene	Ave	1.326	1.358		5120	5000	2.4	30.0
Phenyl ether	Ave	0.3085	0.2869		4650	5000	-7.0	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Lab Sample ID: CCV 360-49511/13 Calibration Date: 09/25/2009 22:28

Instrument ID: Inst. B Calib Start Date: 09/25/2009 17:23

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/25/2009 21:05

Lab File ID: B10557.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitroaniline	Lin1		0.3933		4870	5000	-2.6	30.0
Dimethyl phthalate	Ave	1.209	1.271		5260	5000	5.2	30.0
2,6-Dinitrotoluene	Lin2		0.2977		5120	5000	2.4	30.0
Acenaphthylene	Ave	1.677	1.795		5350	5000	7.0	30.0
3-Nitroaniline	Lin1		0.3003		5110	5000	2.1	30.0
Acenaphthene	Ave	1.162	1.210		5200	5000	4.1	20.0
2,4-Dinitrophenol	Qua		0.0988	0.0500	4670	5000	-6.5	30.0
4-Nitrophenol	Lin1		0.1607	0.0500	4450	5000	-11.0	30.0
2,4-Dinitrotoluene	Lin1		0.3965		4890	5000	-2.2	30.0
Dibenzofuran	Ave	1.513	1.559		5150	5000	3.0	30.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2441		4730	5000	-5.4	30.0
Diethyl phthalate	Ave	1.268	1.339		5280	5000	5.6	30.0
4-Chlorophenyl phenyl ether	Ave	0.5755	0.5947		5170	5000	3.3	30.0
2-Nitroaniline	Qua		0.2904		5040	5000	0.7	30.0
Fluorene	Ave	1.248	1.338		5360	5000	7.3	30.0
4,6-Dinitro-2-methylphenol	Lin		0.0954		4700	5000	-6.0	30.0
Diphenylamine	Ave	0.6431	0.6885		5350	5000	7.1	30.0
N-Nitrosodiphenylamine	Ave	0.6431	0.6885		5350	5000	7.1	20.0
1,2-Diphenylhydrazine	Ave	1.210	1.310		5410	5000	8.2	30.0
Azobenzene	Ave	1.210	1.310		5410	5000	8.2	30.0
Benzophenone	Ave	0.7086	0.7678		5420	5000	8.4	30.0
4-Bromophenyl phenyl ether	Ave	0.1790	0.1900		5310	5000	6.1	30.0
Hexachlorobenzene	Ave	0.1708	0.1791		5240	5000	4.9	30.0
Atrazine	Ave	0.1772	0.1960		5530	5000	10.6	30.0
Pentachlorophenol	Qua		0.0816		4820	5000	-3.5	20.0
Pentachloronitrobenzene	Lin1		0.0889		4710	5000	-5.8	30.0
Phenanthrene	Ave	1.008	1.039		5150	5000	3.1	30.0
Anthracene	Ave	0.9476	1.024		5410	5000	8.1	30.0
Carbazole	Ave	0.7933	0.8063		5080	5000	1.6	30.0
Di-n-butyl phthalate	Ave	1.236	1.295		5240	5000	4.7	30.0
Fluoranthene	Ave	0.9021	0.9457		5240	5000	4.8	20.0
Benzidine	Qua		0.1521		5360	5000	7.2	30.0
Pyrene	Ave	1.309	1.342		5130	5000	2.5	30.0
Butyl benzyl phthalate	Ave	0.5910	0.6746		5710	5000	14.1	30.0
3,3'-Dichlorobenzidine	Lin1		0.2651		4990	5000	-0.3	30.0
Bis(2-ethylhexyl) phthalate	Lin1		0.9487		5110	5000	2.2	30.0
Benzo[a]anthracene	Ave	0.8872	0.9235		5200	5000	4.1	30.0
Chrysene	Ave	0.8423	0.8630		5120	5000	2.5	30.0
Di-n-octyl phthalate	Lin		1.960		4740	5000	-5.3	20.0
Benzo[b]fluoranthene	Ave	1.146	1.166		5090	5000	1.8	30.0
Benzo[k]fluoranthene	Ave	1.049	1.077		5130	5000	2.6	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Lab Sample ID: CCV 360-49511/13 Calibration Date: 09/25/2009 22:28

Instrument ID: Inst. B Calib Start Date: 09/25/2009 17:23

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/25/2009 21:05

Lab File ID: B10557.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]pyrene	Lin1		0.8769		4740	5000	-5.2	20.0
Indeno[1,2,3-cd]pyrene	Lin1		0.6293		4800	5000	-4.0	30.0
Dibenz(a,h)anthracene	Lin1		0.4901		4670	5000	-6.6	30.0
Benzo[g,h,i]perylene	Ave	0.5431	0.5377		4950	5000	-1.0	30.0
2-Fluorophenol	Ave	0.5204	0.5298		5090	5000	1.8	30.0
Phenol-d5	Ave	0.6612	0.6425		4860	5000	-2.8	30.0
Nitrobenzene-d5	Ave	0.2707	0.2590		4780	5000	-4.3	30.0
2-Fluorobiphenyl	Ave	1.322	1.375		5200	5000	4.0	30.0
2,4,6-Tribromophenol	Lin1		0.0699		4610	5000	-7.8	30.0
Terphenyl-d14	Ave	0.7740	0.7900		5100	5000	2.1	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10557.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	25-Sep-2009 22:28:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	ccv		
Misc. Info.:	360-0001300-013		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	49511	Lims Sample ID:	13
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:17:37	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:25:58
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:17:37

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	7.254	7.254	0.000	417506	2.00	
* 2 Naphthalene-d8	136	8.389	8.389	0.000	1006123	2.00	
* 3 Acenaphthene-d10	164	9.879	9.879	0.000	366361	2.00	
* 4 Phenanthrene-d10	188	11.134	11.134	0.000	599081	2.00	
* 5 Chrysene-d12	240	14.044	14.044	0.000	445700	2.00	
* 6 Perylene-d12	264	16.530	16.530	0.000	321419	2.00	
$ 7 2-Fluorophenol	112	5.941	5.941	0.000	553009	5.09	
$ 8 Phenol-d5	99	6.898	6.898	0.000	670573	4.86	
$ 9 Nitrobenzene-d5	82	7.754	7.754	0.000	651440	4.78	
$ 10 2-Fluorobiphenyl	172	9.293	9.293	0.000	1259682	5.20	
$ 11 2,4,6-Tribromophenol	330	10.543	10.543	0.000	104698	4.61	
$ 12 Terphenyl-d14	244	12.519	12.519	0.000	880269	5.10	
14 1,4-Dioxane	88	3.137	3.137	0.000	176568	5.35	
15 N-Nitrosodimethylamine	42	3.806	3.806	0.000	379831	4.73	
16 Pyridine	79	3.820	3.820	0.000	465618	5.04	
17 Benzaldehyde	105	6.850	6.850	0.000	375105	4.95	
18 Phenol	94	6.908	6.908	0.000	687030	4.75	
19 Aniline	93	6.946	6.946	0.000	829706	4.93	
20 Bis(2-chloroethyl)ether	93	7.004	7.004	0.000	534010	4.71	
21 2-Chlorophenol	128	7.057	7.057	0.000	594377	4.73	
22 1,4-Dichlorobenzene	146	7.201	7.201	0.000	715880	4.70	
23 1,3-Dichlorobenzene	146	7.268	7.268	0.000	750425	4.71	
24 Benzyl alcohol	79	7.374	7.374	0.000	491535	4.91	
25 1,2-Dichlorobenzene	146	7.412	7.412	0.000	684148	4.59	
26 2-Methylphenol	108	7.465	7.465	0.000	521634	4.79	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	7.494	7.494	0.000	987903	4.68	
28 3 & 4 Methylphenol	108	7.600	7.600	0.000	556242	4.85	
29 N-Nitrosodi-n-propylamine	70	7.610	7.610	0.000	424085	4.94	
30 Acetophenone	105	7.614	7.614	0.000	822013	4.90	
31 Hexachloroethane	117	7.715	7.715	0.000	272603	4.87	
32 Nitrobenzene	77	7.773	7.773	0.000	644755	4.83	
33 Isophorone	82	7.975	7.975	0.000	1087885	5.22	
34 2-Nitrophenol	139	8.052	8.052	0.000	326043	5.74	
35 2,4-Dimethylphenol	107	8.066	8.066	0.000	557576	4.73	
36 Benzoic acid	105	8.119	8.119	0.000	151388	4.55	
37 Bis(2-chloroethoxy)methane	93	8.148	8.148	0.000	612066	4.70	
38 2,4-Dichlorophenol	162	8.254	8.254	0.000	457512	5.13	
39 1,2,4-Trichlorobenzene	180	8.331	8.331	0.000	546729	5.25	
40 Alpha-Terpineol	59	8.393	8.393	0.000	548590	5.30	
41 Naphthalene	128	8.408	8.408	0.000	1753969	4.71	
42 4-Chloroaniline	127	8.442	8.442	0.000	707465	4.94	
43 Hexachlorobutadiene	225	8.504	8.504	0.000	291900	4.84	
44 Caprolactam	55	8.725	8.725	0.000	251085	5.72	
45 4-Chloro-3-methylphenol	107	8.831	8.831	0.000	475016	5.27	
46 2-Methylnaphthalene	142	8.995	8.995	0.000	1145986	4.66	
47 1-Methylnaphthalene	142	9.081	9.081	0.000	1108151	4.64	
48 Hexachlorocyclopentadiene	237	9.124	9.124	0.000	206325	4.77	
49 1,2,4,5-Tetrachlorobenzene	216	9.134	9.134	0.000	455106	4.67	
50 2,4,6-Trichlorophenol	196	9.225	9.225	0.000	305926	5.17	
51 2,4,5-Trichlorophenol	196	9.254	9.254	0.000	312849	4.72	
52 1,1'-Biphenyl	154	9.379	9.379	0.000	1331190	5.20	
53 2-Chloronaphthalene	162	9.413	9.413	0.000	1244018	5.12	
54 Phenyl ether	170	9.466	9.466	0.000	721581	4.65	
68 4-Nitroaniline	138	9.485	9.485	0.000	360202	4.87	
56 Dimethyl phthalate	163	9.615	9.615	0.000	1164281	5.26	
57 2,6-Dinitrotoluene	165	9.677	9.677	0.000	272655	5.12	
58 Acenaphthylene	152	9.764	9.764	0.000	1644145	5.35	
59 3-Nitroaniline	138	9.826	9.826	0.000	275009	5.11	
61 Acenaphthene	153	9.908	9.908	0.000	1108107	5.20	
60 2,4-Dinitrophenol	184	9.913	9.913	0.000	90444	4.67	
62 4-Nitrophenol	109	9.937	9.937	0.000	147194	4.45	
63 2,4-Dinitrotoluene	165	10.019	10.019	0.000	363129	4.89	
64 Dibenzofuran	168	10.052	10.052	0.000	1427445	5.15	
65 2,3,4,6-Tetrachlorophenol	232	10.144	10.144	0.000	223563	4.73	
66 Diethyl phthalate	149	10.202	10.202	0.000	1226552	5.28	
67 4-Chlorophenyl phenyl ether	204	10.322	10.322	0.000	544680	5.17	
69 Fluorene	166	10.341	10.341	0.000	1225582	5.36	
55 2-Nitroaniline	65	10.341	10.341	0.000	265980	5.04	
70 4,6-Dinitro-2-methylphenol	198	10.360	10.360	0.000	142871	4.70	
71 Diphenylamine	169	10.418	10.418	0.000	1031173	5.35	
72 N-Nitrosodiphenylamine	169	10.418	10.418	0.000	1031173	5.35	
74 Azobenzene	77	10.456	10.456	0.000	1962397	5.41	
73 1,2-Diphenylhydrazine	77	10.456	10.456	0.000	1962397	5.41	
13 Benzophenone	105	10.466	10.466	0.000	1149977	5.42	
75 4-Bromophenyl phenyl ether	248	10.735	10.735	0.000	284542	5.31	
76 Hexachlorobenzene	284	10.807	10.807	0.000	268229	5.24	
77 Atrazine	200	10.841	10.841	0.000	293557	5.53	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.966	10.966	0.000	122173	4.82	
79 Pentachloronitrobenzene	237	10.976	10.976	0.000	133086	4.71	
80 Phenanthrene	178	11.154	11.154	0.000	1555515	5.15	
81 Anthracene	178	11.197	11.197	0.000	1534220	5.41	
83 Carbazole	167	11.317	11.317	0.000	1207592	5.08	
84 Di-n-butyl phthalate	149	11.562	11.562	0.000	1938929	5.24	
87 Fluoranthene	202	12.173	12.173	0.000	1416417	5.24	
86 Benzidine	184	12.269	12.269	0.000	227805	5.36	
85 Pyrene	202	12.399	12.399	0.000	1494936	5.13	
89 Butyl benzyl phthalate	149	13.072	13.072	0.000	751693	5.71	
91 3,3'-Dichlorobenzidine	252	13.948	13.948	0.000	295387	4.99	
92 Bis(2-ethylhexyl) phthalate	149	13.981	13.981	0.000	1057139	5.11	
93 Benzo[a]anthracene	228	14.025	14.025	0.000	1028982	5.20	
94 Chrysene	228	14.092	14.092	0.000	961594	5.12	
95 Di-n-octyl phthalate	149	15.376	15.376	0.000	1574590	4.74	
97 Benzo[b]fluoranthene	252	15.982	15.982	0.000	936934	5.09	
98 Benzo[k]fluoranthene	252	16.020	16.020	0.000	865505	5.13	
99 Benzo[a]pyrene	252	16.448	16.448	0.000	704634	4.74	
100 Indeno[1,2,3-cd]pyrene	276	18.333	18.333	0.000	505667	4.80	
101 Dibenz(a,h)anthracene	278	18.367	18.367	0.000	393815	4.67	
102 Benzo[g,h,i]perylene	276	18.867	18.867	0.000	432030	4.95	

Report Date: 28-Sep-2009 07:17:38 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10557.D

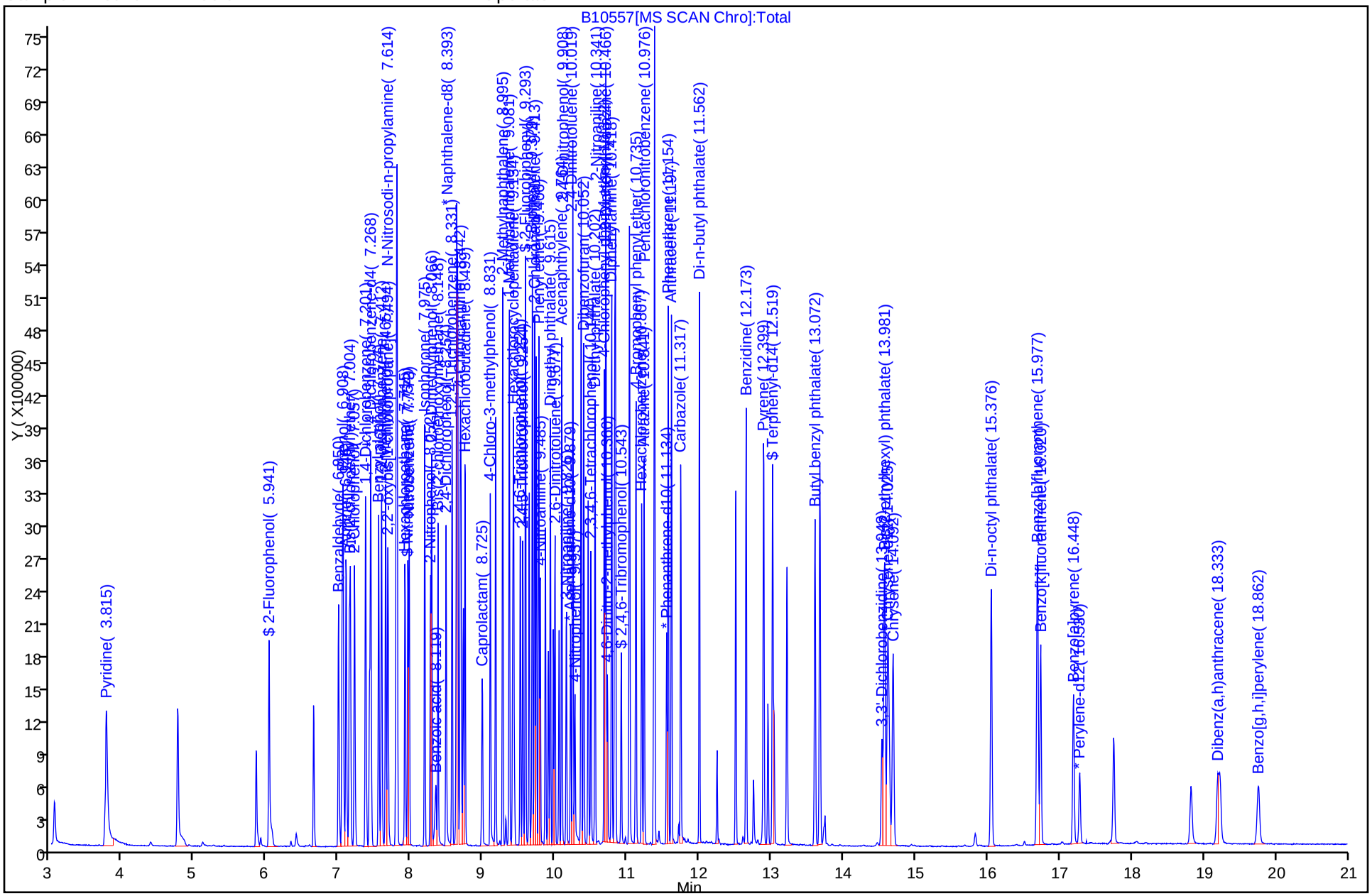
Inj Date: 25-Sep-2009 22:28:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49511 Lims Sample ID: 13

Client ID: Instrument: Inst. B

Sample Info: ccv

Sample Amount: 1.00 ul Operator: MZ

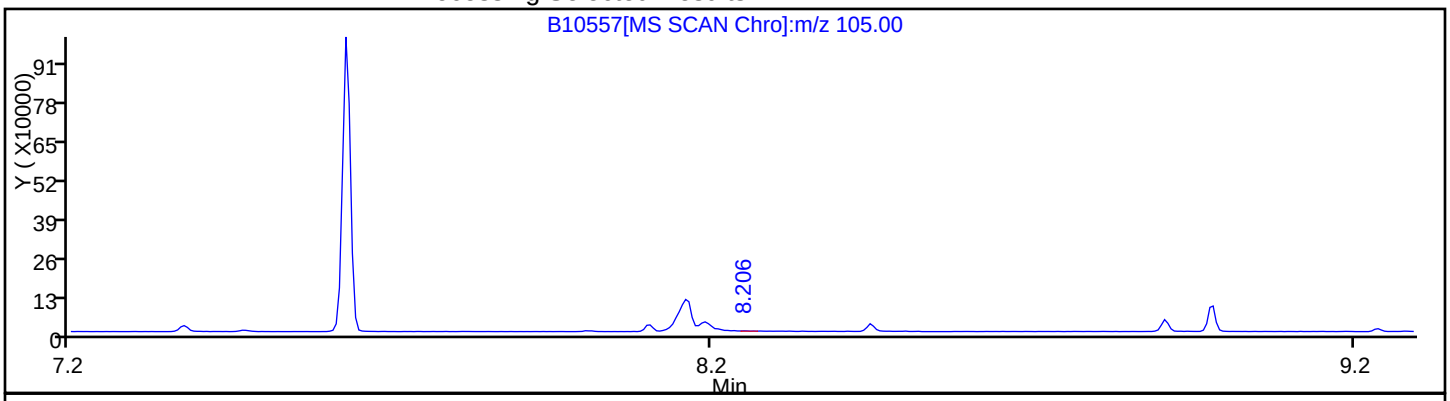


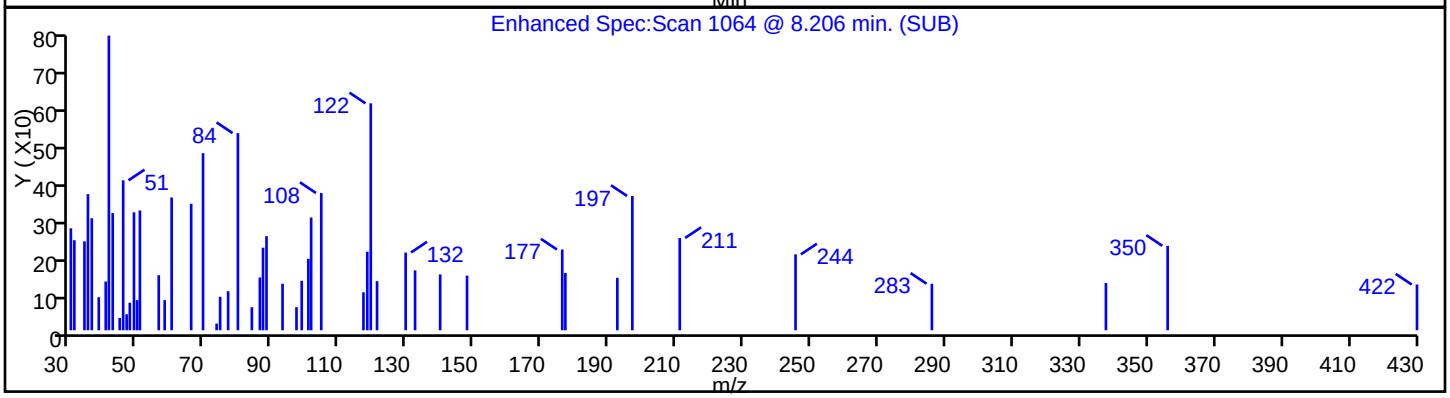
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10557.D		
Inj Date:	25-Sep-2009 22:28:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49511	Lims Sample ID:	13
Client ID:		Instrument:	Inst. B
Sample Info:	ccv		
Sample Amount:	1.00 ul	Operator:	MZ

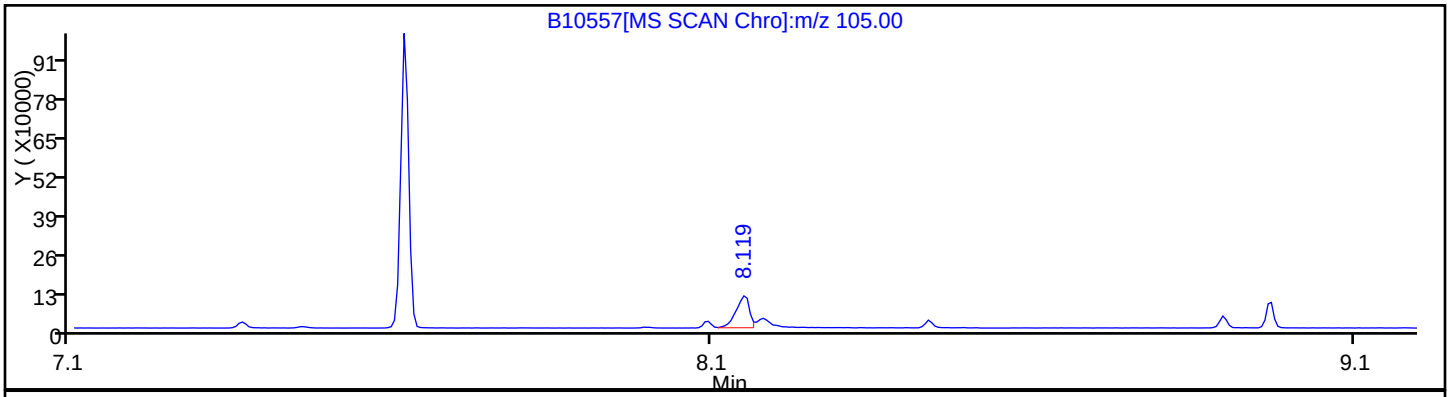
36 Benzoic acid

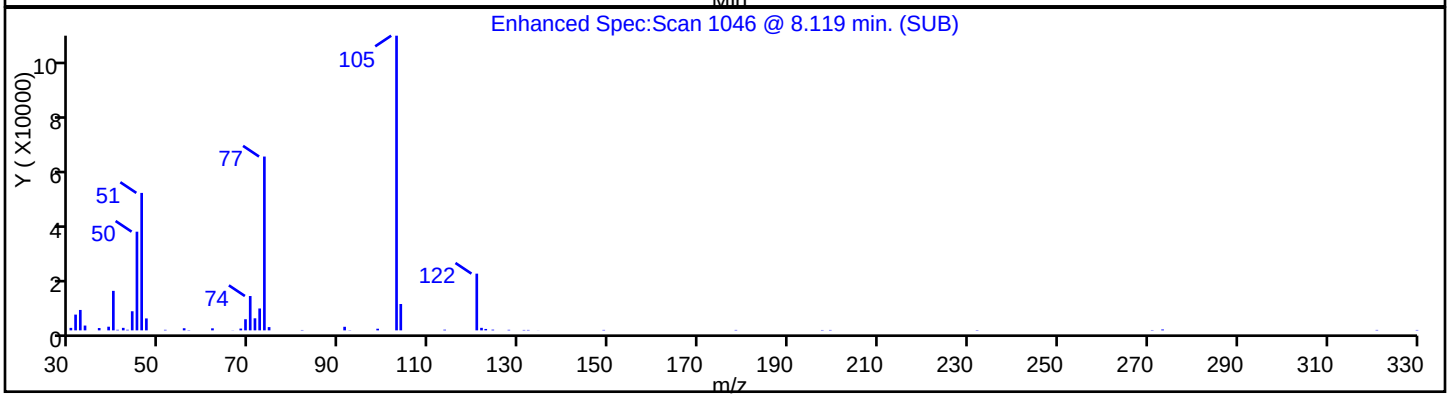
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 26-Sep-2009 17:25:58
Audit Action: Selected Alternate Hit
Audit Reason:

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Lab Sample ID: CCV 360-49517/25 Calibration Date: 09/26/2009 03:32

Instrument ID: Inst. B Calib Start Date: 09/25/2009 17:23

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/25/2009 21:05

Lab File ID: B10568.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin1		0.1630		5140	5000	2.9	30.0
N-Nitrosodimethylamine	Ave	0.3845	0.3621		4710	5000	-5.8	30.0
Pyridine	Ave	0.4428	0.4794		5410	5000	8.2	30.0
Benzaldehyde	Ave	0.3629	0.3518		4850	5000	-3.1	30.0
Phenol	Ave	0.6926	0.6540		4720	5000	-5.6	20.0
Aniline	Ave	0.8070	0.7780		4820	5000	-3.6	30.0
Bis(2-chloroethyl)ether	Ave	0.5429	0.5120		4720	5000	-5.7	30.0
2-Chlorophenol	Ave	0.6014	0.5645		4690	5000	-6.1	30.0
1,4-Dichlorobenzene	Ave	0.7299	0.6705		4590	5000	-8.1	20.0
1,3-Dichlorobenzene	Ave	0.7624	0.7046		4620	5000	-7.6	30.0
Benzyl alcohol	Ave	0.4798	0.4451		4640	5000	-7.2	30.0
1,2-Dichlorobenzene	Ave	0.7144	0.6372		4460	5000	-10.8	30.0
2-Methylphenol	Ave	0.5218	0.5144		4930	5000	-1.4	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.011	0.9126		4510	5000	-9.7	30.0
3 & 4 Methylphenol	Ave	0.5493	0.5372		4890	5000	-2.2	30.0
N-Nitrosodi-n-propylamine	Ave	0.4112	0.4060	0.0500	4940	5000	-1.3	30.0
Acetophenone	Ave	0.8037	0.7719		4800	5000	-4.0	30.0
Hexachloroethane	Ave	0.2684	0.2552		4750	5000	-4.9	30.0
Nitrobenzene	Ave	0.2653	0.2523		4760	5000	-4.9	30.0
Isophorone	Ave	0.4146	0.4273		5150	5000	3.0	30.0
2-Nitrophenol	Ave	0.1129	0.1253		5550	5000	11.0	20.0
2,4-Dimethylphenol	Ave	0.2342	0.2252		4810	5000	-3.8	30.0
Benzoic acid	Qua		0.0539		4240	5000	-15.2	30.0
Bis(2-chloroethoxy)methane	Ave	0.2587	0.2416		4670	5000	-6.6	30.0
2,4-Dichlorophenol	Ave	0.1772	0.1894		5340	5000	6.9	20.0
1,2,4-Trichlorobenzene	Qua		0.2156		5200	5000	4.0	30.0
Alpha-Terpineol	Ave	0.2058	0.2172		5280	5000	5.5	30.0
Naphthalene	Ave	0.7406	0.6874		4640	5000	-7.2	30.0
4-Chloroaniline	Ave	0.2846	0.2802		4920	5000	-1.6	30.0
Hexachlorobutadiene	Ave	0.1199	0.1121		4670	5000	-6.6	20.0
Caprolactam	Ave	0.0873	0.0988		5660	5000	13.1	30.0
4-Chloro-3-methylphenol	Ave	0.1792	0.1897		5290	5000	5.8	20.0
2-Methylnaphthalene	Ave	0.4893	0.4460		4560	5000	-8.8	30.0
1-Methylnaphthalene	Ave	0.4747	0.4341		4570	5000	-8.5	30.0
Hexachlorocyclopentadiene	Lin1		0.1965	0.0500	4170	5000	-16.6	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.1938	0.1790		4620	5000	-7.7	30.0
2,4,6-Trichlorophenol	Lin2		0.3255		5040	5000	0.9	20.0
2,4,5-Trichlorophenol	Lin1		0.3558		4920	5000	-1.7	30.0
1,1'-Biphenyl	Ave	1.396	1.439		5150	5000	3.0	30.0
2-Chloronaphthalene	Ave	1.326	1.404		5300	5000	5.9	30.0
Phenyl ether	Ave	0.3085	0.2844		4610	5000	-7.8	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Lab Sample ID: CCV 360-49517/25 Calibration Date: 09/26/2009 03:32

Instrument ID: Inst. B Calib Start Date: 09/25/2009 17:23

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/25/2009 21:05

Lab File ID: B10568.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitroaniline	Lin1		0.3913		4850	5000	-3.1	30.0
Dimethyl phthalate	Ave	1.209	1.262		5220	5000	4.4	30.0
2,6-Dinitrotoluene	Lin2		0.2916		5020	5000	0.3	30.0
Acenaphthylene	Ave	1.677	1.787		5330	5000	6.5	30.0
3-Nitroaniline	Lin1		0.2977		5060	5000	1.3	30.0
2,4-Dinitrophenol	Qua		0.0738	0.0500	3740	5000	-25.2	30.0
Acenaphthene	Ave	1.162	1.186		5100	5000	2.1	20.0
4-Nitrophenol	Lin1		0.1612	0.0500	4460	5000	-10.8	30.0
2,4-Dinitrotoluene	Lin1		0.3994		4920	5000	-1.5	30.0
Dibenzofuran	Ave	1.513	1.539		5080	5000	1.7	30.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2469		4780	5000	-4.3	30.0
Diethyl phthalate	Ave	1.268	1.299		5120	5000	2.4	30.0
4-Chlorophenyl phenyl ether	Ave	0.5755	0.5707		4960	5000	-0.8	30.0
2-Nitroaniline	Qua		0.3210		5510	5000	10.2	30.0
Fluorene	Ave	1.248	1.320		5290	5000	5.8	30.0
4,6-Dinitro-2-methylphenol	Lin		0.0818		4130	5000	-17.4	30.0
Diphenylamine	Ave	0.6431	0.7070		5500	5000	9.9	30.0
N-Nitrosodiphenylamine	Ave	0.6431	0.7070		5500	5000	9.9	20.0
1,2-Diphenylhydrazine	Ave	1.210	1.343		5550	5000	11.0	30.0
Azobenzene	Ave	1.210	1.343		5550	5000	11.0	30.0
Benzophenone	Ave	0.7086	0.7904		5580	5000	11.5	30.0
4-Bromophenyl phenyl ether	Ave	0.1790	0.1923		5370	5000	7.5	30.0
Hexachlorobenzene	Ave	0.1708	0.1768		5180	5000	3.5	30.0
Atrazine	Ave	0.1772	0.1969		5560	5000	11.1	30.0
Pentachlorophenol	Qua		0.0828		4880	5000	-2.3	20.0
Pentachloronitrobenzene	Lin1		0.0920		4870	5000	-2.6	30.0
Phenanthrene	Ave	1.008	1.058		5250	5000	5.0	30.0
Anthracene	Ave	0.9476	1.048		5530	5000	10.6	30.0
Carbazole	Ave	0.7933	0.8638		5440	5000	8.9	30.0
Di-n-butyl phthalate	Ave	1.236	1.291		5220	5000	4.4	30.0
Fluoranthene	Ave	0.9021	0.9538		5290	5000	5.7	20.0
Benzidine	Qua		0.1724		5880	5000	17.6	30.0
Pyrene	Ave	1.309	1.298		4960	5000	-0.8	30.0
Butyl benzyl phthalate	Ave	0.5910	0.6682		5650	5000	13.1	30.0
3,3'-Dichlorobenzidine	Lin1		0.2758		5180	5000	3.7	30.0
Bis(2-ethylhexyl) phthalate	Lin1		0.9395		5060	5000	1.3	30.0
Benzo[a]anthracene	Ave	0.8872	0.9196		5180	5000	3.6	30.0
Chrysene	Ave	0.8423	0.8571		5090	5000	1.8	30.0
Di-n-octyl phthalate	Lin		1.951		4720	5000	-5.6	20.0
Benzo[b]fluoranthene	Ave	1.146	1.211		5290	5000	5.7	30.0
Benzo[k]fluoranthene	Ave	1.049	1.097		5230	5000	4.6	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Lab Sample ID: CCV 360-49517/25 Calibration Date: 09/26/2009 03:32

Instrument ID: Inst. B Calib Start Date: 09/25/2009 17:23

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/25/2009 21:05

Lab File ID: B10568.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]pyrene	Lin1		0.8961		4840	5000	-3.1	20.0
Indeno[1,2,3-cd]pyrene	Lin1		0.6356		4850	5000	-3.1	30.0
Dibenz(a,h)anthracene	Lin1		0.5133		4890	5000	-2.3	30.0
Benzo[g,h,i]perylene	Ave	0.5431	0.5270		4850	5000	-3.0	30.0
2-Fluorophenol	Ave	0.5204	0.5313		5100	5000	2.1	30.0
Phenol-d5	Ave	0.6612	0.6442		4870	5000	-2.6	30.0
Nitrobenzene-d5	Ave	0.2707	0.2537		4690	5000	-6.3	30.0
2-Fluorobiphenyl	Ave	1.322	1.368		5170	5000	3.5	30.0
2,4,6-Tribromophenol	Lin1		0.0722		4760	5000	-4.8	30.0
Terphenyl-d14	Ave	0.7740	0.7713		4980	5000	-0.3	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10568.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	26-Sep-2009 03:32:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	ccv		
Misc. Info.:	360-0001300-025		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	24
Lims Batch ID:	49517	Lims Sample ID:	25
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:20:23	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:27:52
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:20:23

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

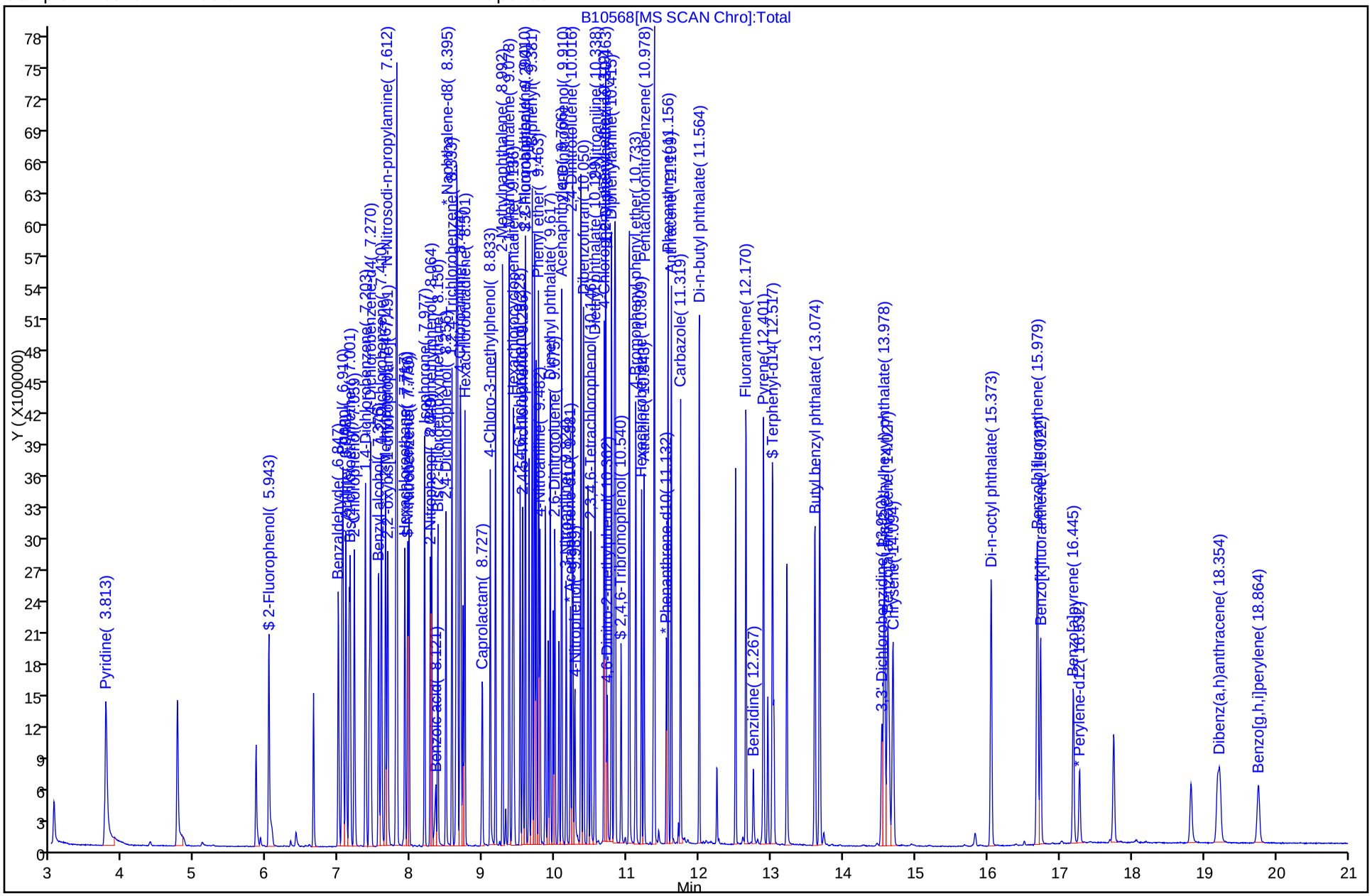
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.256	7.256	0.000	475063	2.00	
* 2 Naphthalene-d8	136	8.386	8.386	0.000	1134007	2.00	
* 3 Acenaphthene-d10	164	9.881	9.881	0.000	412434	2.00	
* 4 Phenanthrene-d10	188	11.132	11.132	0.000	650326	2.00	
* 5 Chrysene-d12	240	14.041	14.041	0.000	495148	2.00	
* 6 Perylene-d12	264	16.532	16.532	0.000	343438	2.00	
$ 7 2-Fluorophenol	112	5.943	5.943	0.000	630995	5.10	
$ 8 Phenol-d5	99	6.895	6.895	0.000	765112	4.87	
$ 9 Nitrobenzene-d5	82	7.756	7.756	0.000	719333	4.69	
$ 10 2-Fluorobiphenyl	172	9.290	9.290	0.000	1410929	5.17	
$ 11 2,4,6-Tribromophenol	330	10.545	10.545	0.000	117402	4.76	
$ 12 Terphenyl-d14	244	12.517	12.517	0.000	954789	4.98	
14 1,4-Dioxane	88	3.135	3.135	0.000	193583	5.14	
15 N-Nitrosodimethylamine	42	3.803	3.803	0.000	430094	4.71	
16 Pyridine	79	3.817	3.817	0.000	569324	5.41	
17 Benzaldehyde	105	6.847	6.847	0.000	417764	4.85	
18 Phenol	94	6.910	6.910	0.000	776703	4.72	
19 Aniline	93	6.948	6.948	0.000	923992	4.82	
20 Bis(2-chloroethyl)ether	93	7.006	7.006	0.000	608075	4.72	
21 2-Chlorophenol	128	7.059	7.059	0.000	670441	4.69	
22 1,4-Dichlorobenzene	146	7.203	7.203	0.000	796283	4.59	
23 1,3-Dichlorobenzene	146	7.270	7.270	0.000	836823	4.62	
24 Benzyl alcohol	79	7.376	7.376	0.000	528657	4.64	
25 1,2-Dichlorobenzene	146	7.410	7.410	0.000	756744	4.46	
26 2-Methylphenol	108	7.467	7.467	0.000	610909	4.93	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	7.491	7.491	0.000	1083903	4.51	
28 3 & 4 Methylphenol	108	7.602	7.602	0.000	638012	4.89	
29 N-Nitrosodi-n-propylamine	70	7.612	7.612	0.000	482208	4.94	
30 Acetophenone	105	7.616	7.616	0.000	916699	4.80	
31 Hexachloroethane	117	7.717	7.717	0.000	303136	4.75	
32 Nitrobenzene	77	7.770	7.770	0.000	715400	4.76	
33 Isophorone	82	7.977	7.977	0.000	1211278	5.15	
34 2-Nitrophenol	139	8.049	8.049	0.000	355235	5.55	
35 2,4-Dimethylphenol	107	8.068	8.068	0.000	638554	4.81	
36 Benzoic acid	105	8.121	8.121	0.000	152903	4.24	
37 Bis(2-chloroethoxy)methane	93	8.150	8.150	0.000	684979	4.67	
38 2,4-Dichlorophenol	162	8.256	8.256	0.000	536934	5.34	
39 1,2,4-Trichlorobenzene	180	8.333	8.333	0.000	611117	5.20	
40 Alpha-Terpineol	59	8.395	8.395	0.000	615703	5.28	
41 Naphthalene	128	8.405	8.405	0.000	1948793	4.64	
42 4-Chloroaniline	127	8.439	8.439	0.000	794275	4.92	
43 Hexachlorobutadiene	225	8.501	8.501	0.000	317729	4.67	
44 Caprolactam	55	8.727	8.727	0.000	279988	5.66	
45 4-Chloro-3-methylphenol	107	8.833	8.833	0.000	537666	5.29	
46 2-Methylnaphthalene	142	8.992	8.992	0.000	1264396	4.56	
47 1-Methylnaphthalene	142	9.078	9.078	0.000	1230805	4.57	
48 Hexachlorocyclopentadiene	237	9.126	9.126	0.000	202640	4.17	
49 1,2,4,5-Tetrachlorobenzene	216	9.136	9.136	0.000	507329	4.62	
50 2,4,6-Trichlorophenol	196	9.223	9.223	0.000	335627	5.04	
51 2,4,5-Trichlorophenol	196	9.256	9.256	0.000	366890	4.92	
52 1,1'-Biphenyl	154	9.381	9.381	0.000	1483350	5.15	
53 2-Chloronaphthalene	162	9.410	9.410	0.000	1448097	5.30	
54 Phenyl ether	170	9.463	9.463	0.000	806156	4.61	
68 4-Nitroaniline	138	9.482	9.482	0.000	403425	4.85	
56 Dimethyl phthalate	163	9.617	9.617	0.000	1301089	5.22	
57 2,6-Dinitrotoluene	165	9.679	9.679	0.000	300676	5.02	
58 Acenaphthylene	152	9.766	9.766	0.000	1842435	5.33	
59 3-Nitroaniline	138	9.824	9.824	0.000	306989	5.06	
61 Acenaphthene	153	9.910	9.910	0.000	1223220	5.10	
60 2,4-Dinitrophenol	184	9.910	9.910	0.000	76054	3.74	
62 4-Nitrophenol	109	9.939	9.939	0.000	166162	4.46	
63 2,4-Dinitrotoluene	165	10.016	10.016	0.000	411785	4.92	
64 Dibenzofuran	168	10.050	10.050	0.000	1586834	5.08	
65 2,3,4,6-Tetrachlorophenol	232	10.146	10.146	0.000	254586	4.78	
66 Diethyl phthalate	149	10.199	10.199	0.000	1339405	5.12	
67 4-Chlorophenyl phenyl ether	204	10.319	10.319	0.000	588393	4.96	
69 Fluorene	166	10.343	10.343	0.000	1361273	5.29	
55 2-Nitroaniline	65	10.338	10.338	0.000	330972	5.51	
70 4,6-Dinitro-2-methylphenol	198	10.362	10.362	0.000	133039	4.13	
71 Diphenylamine	169	10.415	10.415	0.000	1149435	5.50	
72 N-Nitrosodiphenylamine	169	10.415	10.415	0.000	1149435	5.50	
74 Azobenzene	77	10.454	10.454	0.000	2183889	5.55	
73 1,2-Diphenylhydrazine	77	10.454	10.454	0.000	2183889	5.55	
13 Benzophenone	105	10.468	10.468	0.000	1285063	5.58	
75 4-Bromophenyl phenyl ether	248	10.737	10.737	0.000	312699	5.37	
76 Hexachlorobenzene	284	10.809	10.809	0.000	287422	5.18	
77 Atrazine	200	10.843	10.843	0.000	320056	5.56	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.963	10.963	0.000	134609	4.88	
79 Pentachloronitrobenzene	237	10.978	10.978	0.000	149531	4.87	
80 Phenanthrene	178	11.156	11.156	0.000	1720008	5.25	
81 Anthracene	178	11.199	11.199	0.000	1703699	5.53	
83 Carbazole	167	11.319	11.319	0.000	1404316	5.44	
84 Di-n-butyl phthalate	149	11.564	11.564	0.000	2098123	5.22	
87 Fluoranthene	202	12.175	12.175	0.000	1550640	5.29	
86 Benzidine	184	12.271	12.271	0.000	280313	5.88	
85 Pyrene	202	12.401	12.401	0.000	1606960	4.96	
89 Butyl benzyl phthalate	149	13.074	13.074	0.000	827136	5.65	
91 3,3'-Dichlorobenzidine	252	13.950	13.950	0.000	341414	5.18	
92 Bis(2-ethylhexyl) phthalate	149	13.978	13.978	0.000	1162915	5.06	
93 Benzo[a]anthracene	228	14.022	14.022	0.000	1138285	5.18	
94 Chrysene	228	14.094	14.094	0.000	1061018	5.09	
95 Di-n-octyl phthalate	149	15.373	15.373	0.000	1675096	4.72	
97 Benzo[b]fluoranthene	252	15.984	15.984	0.000	1039948	5.29	
98 Benzo[k]fluoranthene	252	16.022	16.022	0.000	942101	5.23	
99 Benzo[a]pyrene	252	16.445	16.445	0.000	769419	4.84	
100 Indeno[1,2,3-cd]pyrene	276	18.335	18.335	0.000	545691	4.85	
101 Dibenz(a,h)anthracene	278	18.359	18.359	0.000	440703	4.89	
102 Benzo[g,h,i]perylene	276	18.864	18.864	0.000	452505	4.85	

Report Date: 28-Sep-2009 07:20:24 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10568.D		
Inj Date:	26-Sep-2009 03:32:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49517	Lims Sample ID:	25
Client ID:		Instrument:	Inst. B
Sample Info:	ccv		
Sample Amount:	1.00 ul	Operator:	MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10475.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	22-Sep-2009 15:01:30	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:	49400	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	24-Sep-2009 11:40:41	Calib Date:	22-Sep-2009 19:41:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	24-Sep-2009 11:40:41

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

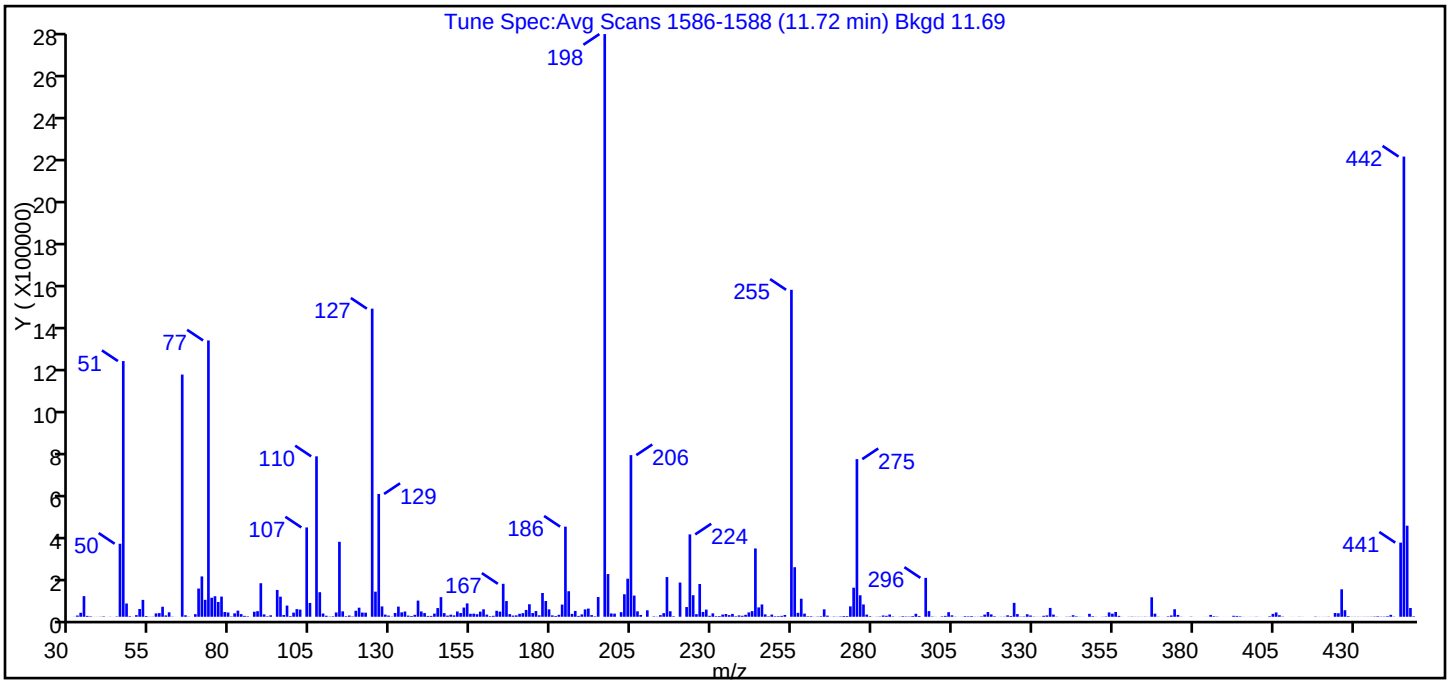
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.410	11.410	0.000	1799869		
82 DFTPP	198	11.722	11.722	0.000	2741247		
86 Benzidine	184	12.819	12.819	0.000	6792348		
88 4,4'-DDD	235	13.492	13.492	0.000	367823		
90 4,4'-DDT	235	13.992	13.992	0.000	5213320		

Chrom Revision: 1.1 20-Sep-2009 21:03:36

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10475.D		
Inj Date:	22-Sep-2009 15:01:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	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	43.88
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	41.57
70	Less than 2.00% of mass 69	0.25 (0.61)
127	40.00 - 60.00% of mass 198	52.88
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.33
275	10.00 - 30.00% of mass 198	27.05
365	Greater than 1.00% of mass 198	3.34
441	Present, but less than mass 443%	12.72 (81.41)
442	Greater than 40.00% of mass 198	78.98
443	17.00 - 23.00% of mass 442	15.63 (19.78)

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10475.D\8270B.rslt\spectra.d
Injection Date: 22-Sep-2009 15:01:30
Spectrum: Tune Spec:Avg Scans 1586-1588 (11.72 min) Bkgd 11.69
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	96424	108.00	64528	181.00	34464	246.00	57552
50.00	340992	110.00	749120	185.00	56896	255.00	1526784
51.00	1193984	111.00	114744	186.00	420864	256.00	231488
52.00	62008	117.00	350080	187.00	119296	258.00	84344
56.00	36264	122.00	28080	189.00	27224	265.00	34696
57.00	78792	123.00	42384	192.00	34496	273.00	48560
63.00	46792	127.00	1438720	193.00	38288	274.00	135680
69.00	1131008	128.00	117184	196.00	92136	275.00	736064
74.00	131776	129.00	573504	198.00	2720768	276.00	100320
75.00	188352	130.00	48312	199.00	199552	277.00	57488
76.00	79104	135.00	47440	204.00	105120	296.00	181696
77.00	1290240	141.00	75480	205.00	177792	323.00	64904
78.00	88776	147.00	40656	206.00	754688	334.00	41304
79.00	95904	148.00	91632	207.00	98984	365.00	90968
80.00	69160	155.00	43048	211.00	30152	372.00	35128
81.00	94152	156.00	62456	217.00	185408	423.00	128216
86.00	28568	161.00	34912	221.00	159808	424.00	30536
93.00	156608	165.00	27832	223.00	45448	441.00	346112
98.00	125168	167.00	153984	224.00	384576	442.00	2148864
99.00	93800	168.00	73344	225.00	100672	443.00	425152
101.00	52360	174.00	31792	227.00	153024	444.00	40952
104.00	35704	175.00	58464	229.00	33528		
105.00	33464	179.00	110960	244.00	319040		
107.00	417152	180.00	73568	245.00	43744		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10511.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	23-Sep-2009 17:49:30	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:	49442	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	25-Sep-2009 10:10:43	Calib Date:	23-Sep-2009 22:01:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10519.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	25-Sep-2009 10:10:43

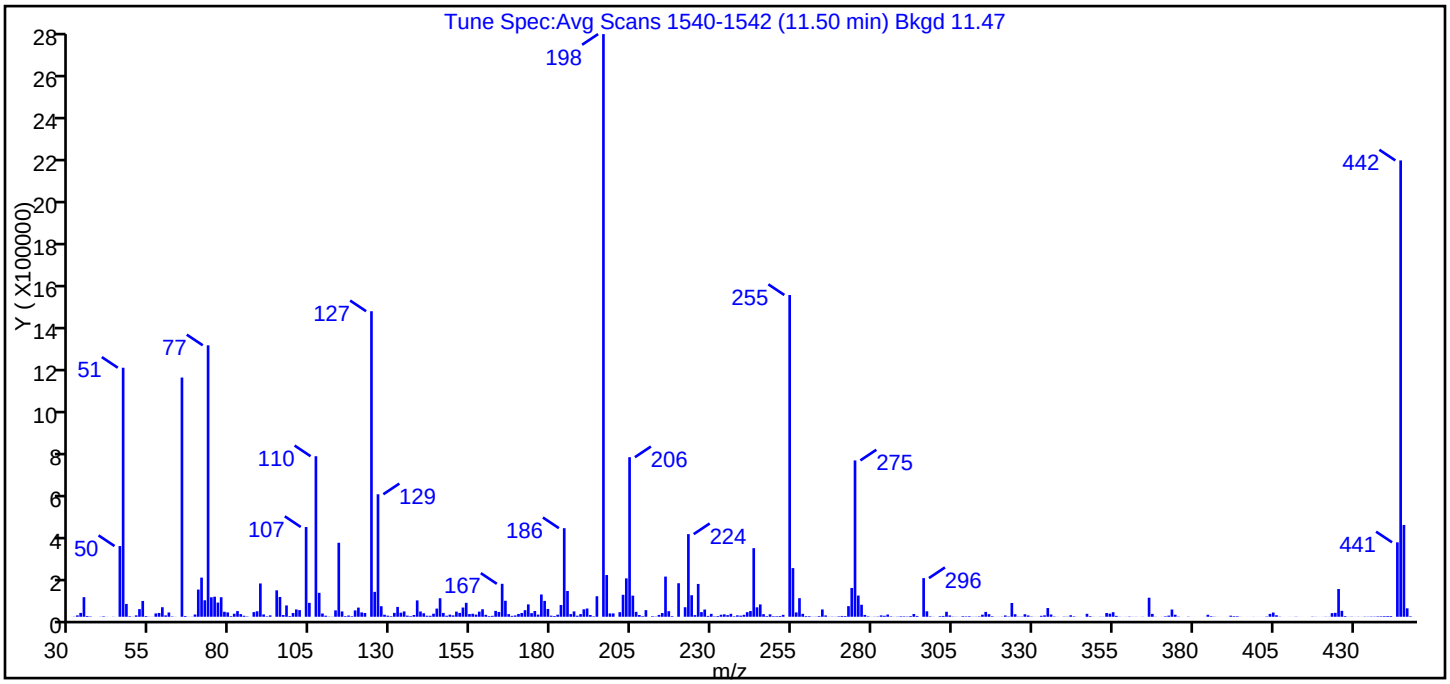
WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.180	11.180	0.000	1958442		
82 DFTPP	198	11.502	11.502	0.000	2755818		
86 Benzidine	184	12.527	12.527	0.000	6780379		
88 4,4'-DDD	235	13.137	13.137	0.000	365069		
90 4,4'-DDT	235	13.585	13.585	0.000	4916347		

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10511.D		
Inj Date:	23-Sep-2009 17:49:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	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	42.74
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	41.06
70	Less than 2.00% of mass 69	0.14 (0.33)
127	40.00 - 60.00% of mass 198	52.44
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.16
275	10.00 - 30.00% of mass 198	26.83
365	Greater than 1.00% of mass 198	3.27
441	Present, but less than mass 443%	12.78 (81.08)
442	Greater than 40.00% of mass 198	78.32
443	17.00 - 23.00% of mass 442	15.76 (20.12)

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10511.D\8270B.rslt\spectra.d
Injection Date: 23-Sep-2009 17:49:30
Spectrum: Tune Spec:Avg Scans 1540-1542 (11.50 min) Bkgd 11.47
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 92

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	92256	108.00	65432	179.00	104832	244.00	322624
50.00	332480	110.00	754944	180.00	74688	245.00	44496
51.00	1170944	111.00	112672	181.00	36816	246.00	58056
52.00	60456	116.00	30112	185.00	55360	255.00	1512960
56.00	35976	117.00	347968	186.00	416576	256.00	228800
57.00	74424	122.00	29936	187.00	121240	258.00	87448
63.00	44920	123.00	43080	192.00	35096	265.00	34456
69.00	1124864	127.00	1436672	193.00	38824	273.00	49952
74.00	127904	128.00	117136	196.00	96552	274.00	135424
75.00	184064	129.00	576064	198.00	2739712	275.00	735168
76.00	77592	130.00	49672	199.00	196288	276.00	99744
77.00	1276416	135.00	46304	204.00	103408	277.00	56440
78.00	91600	141.00	76944	205.00	180544	296.00	181824
79.00	94312	147.00	38424	206.00	750336	323.00	64800
80.00	66736	148.00	87056	207.00	99432	334.00	41096
81.00	91880	155.00	43352	211.00	31088	365.00	89584
93.00	156608	156.00	65592	217.00	188992	372.00	34112
98.00	124360	161.00	35352	221.00	157696	423.00	130528
99.00	93136	165.00	27696	223.00	44856	424.00	28016
101.00	53312	167.00	155008	224.00	388608	441.00	350016
104.00	34528	168.00	75312	225.00	101288	442.00	2145792
105.00	31352	174.00	30992	227.00	154368	443.00	431680
107.00	422144	175.00	58240	229.00	34128	444.00	39664

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10522.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	23-Sep-2009 23:36:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49444	Lims Sample ID:	15
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	25-Sep-2009 11:50:06	Calib Date:	23-Sep-2009 22:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	25-Sep-2009 10:43:51
Reviewed By:	sullivanp	Date:	25-Sep-2009 11:50:06

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

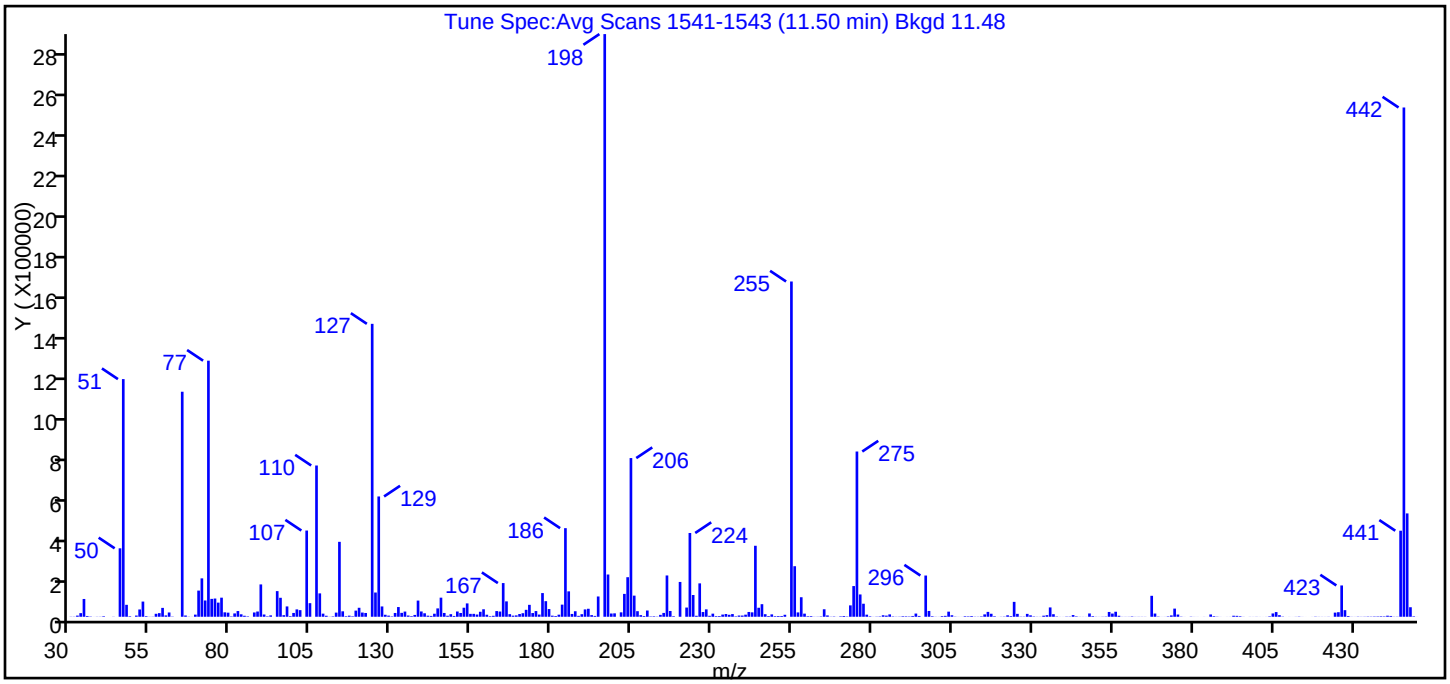
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.182	11.180	0.002	2405790		
82 DFTPP	198	11.504	11.502	0.002	2919860		
86 Benzidine	184	12.528	12.527	0.001	8977471		
88 4,4'-DDD	235	13.134	13.137	-0.003	401302		
90 4,4'-DDT	235	13.586	13.585	0.001	5646014		

Chrom Revision: 1.1 20-Sep-2009 21:03:36

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10522.D		
Inj Date:	23-Sep-2009 23:36:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49444	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	40.79
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	38.62
70	Less than 2.00% of mass 69	0.22 (0.57)
127	40.00 - 60.00% of mass 198	50.28
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.25
275	10.00 - 30.00% of mass 198	28.36
365	Greater than 1.00% of mass 198	3.60
441	Present, but less than mass 443%	14.77 (83.25)
442	Greater than 40.00% of mass 198	87.40
443	17.00 - 23.00% of mass 442	17.74 (20.29)

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10522.D\8270B.rslt\spectra.d
Injection Date: 23-Sep-2009 23:36:30
Spectrum: Tune Spec:Avg Scans 1541-1543 (11.50 min) Bkgd 11.48
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	88032	108.00	67264	181.00	38152	246.00	62280
50.00	338560	110.00	748224	185.00	60032	255.00	1658368
51.00	1175552	111.00	115664	186.00	438272	256.00	250048
52.00	59088	117.00	370688	187.00	125688	258.00	96608
56.00	36152	122.00	30392	192.00	36384	265.00	37144
57.00	75176	123.00	44472	193.00	39584	273.00	56336
63.00	43936	127.00	1448960	196.00	100368	274.00	151872
69.00	1113088	128.00	119952	198.00	2882048	275.00	817408
74.00	129400	129.00	595072	199.00	209024	276.00	110416
75.00	189952	130.00	51032	204.00	113168	277.00	64480
76.00	80592	135.00	48064	205.00	195712	296.00	203968
77.00	1266688	141.00	80088	206.00	784960	323.00	73728
78.00	88488	147.00	41424	207.00	104528	334.00	46200
79.00	90160	148.00	94480	211.00	30896	365.00	103696
80.00	69984	155.00	44720	217.00	204288	372.00	40352
81.00	94480	156.00	66096	221.00	172224	423.00	154880
93.00	160000	161.00	37064	223.00	45592	424.00	32656
98.00	126896	167.00	166656	224.00	414400	441.00	425600
99.00	93888	168.00	76136	225.00	107624	442.00	2519040
101.00	51152	174.00	34344	227.00	165184	443.00	511232
104.00	36472	175.00	59040	229.00	36632	444.00	47168
105.00	32736	179.00	117192	244.00	351168		
107.00	426496	180.00	77120	245.00	44592		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10545.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	25-Sep-2009 16:56:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Misc. Info.:	360-0001300-001		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	49509	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:15:44	Calib Date:	01-Jan-0001 00:00:00
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	26-Sep-2009 17:23:16
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:15:44

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

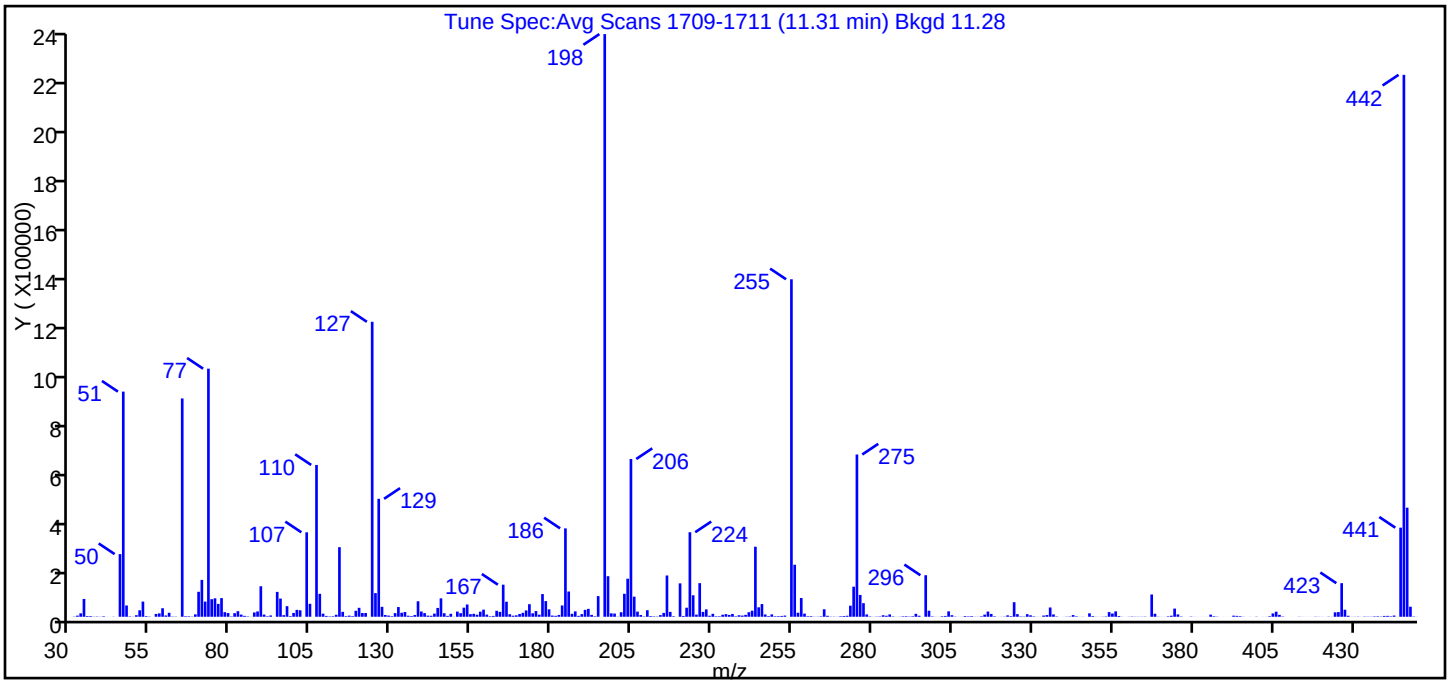
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.970	10.970	0.000	1704053		
82 DFTPP	198	11.311	11.311	0.000	2543292		
86 Benzidine	184	12.278	12.278	0.000	5678979		
88 4,4'-DDD	235	12.835	12.835	0.000	194031		
90 4,4'-DDT	235	13.244	13.244	0.000	4557348		

Chrom Revision: 1.1 20-Sep-2009 21:03:36

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10545.D		
Inj Date:	25-Sep-2009 16:56:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49509	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	38.64
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	37.47
70	Less than 2.00% of mass 69	0.10 (0.27)
127	40.00 - 60.00% of mass 198	50.62
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.97
275	10.00 - 30.00% of mass 198	27.85
365	Greater than 1.00% of mass 198	3.83
441	Present, but less than mass 443%	15.29 (81.67)
442	Greater than 40.00% of mass 198	93.01
443	17.00 - 23.00% of mass 442	18.73 (20.13)

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10545.D\8270B.rslt\spectra.d
Injection Date: 25-Sep-2009 16:56:30
Spectrum: Tune Spec:Avg Scans 1709-1711 (11.31 min) Bkgd 11.28
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	71432	110.00	608704	185.00	45368	255.00	1353216
50.00	251264	111.00	92040	186.00	354432	256.00	208640
51.00	902784	117.00	279040	187.00	101264	258.00	75216
52.00	45304	122.00	24000	192.00	27736	265.00	30088
56.00	26056	123.00	35880	193.00	31728	273.00	44448
57.00	60944	127.00	1182720	196.00	82896	274.00	120608
63.00	34336	128.00	94896	198.00	2336256	275.00	650624
69.00	875392	129.00	472960	199.00	162752	276.00	87472
74.00	100208	130.00	39824	204.00	92120	277.00	54520
75.00	147904	135.00	38984	205.00	152640	296.00	166592
76.00	60872	141.00	62168	206.00	632640	297.00	24312
77.00	994816	147.00	35448	207.00	80640	323.00	58368
78.00	70512	148.00	73784	211.00	26312	334.00	37216
79.00	74016	155.00	36488	217.00	165568	365.00	89400
80.00	51704	156.00	49200	221.00	133952	372.00	32800
81.00	74912	161.00	28584	223.00	36344	423.00	134720
93.00	122344	165.00	23920	224.00	339008	424.00	28288
98.00	99696	167.00	128696	225.00	86144	441.00	357312
99.00	72888	168.00	60328	227.00	134784	442.00	2172928
101.00	42448	174.00	25384	229.00	29632	443.00	437504
104.00	27688	175.00	50464	243.00	24288	444.00	40208
105.00	26032	179.00	91056	244.00	280832		
107.00	338688	180.00	62880	245.00	37912		
108.00	52000	181.00	29752	246.00	51000		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10556.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	25-Sep-2009 22:00:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Misc. Info.:	360-0001300-012		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49511	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:17:30	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:24:16
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:17:30

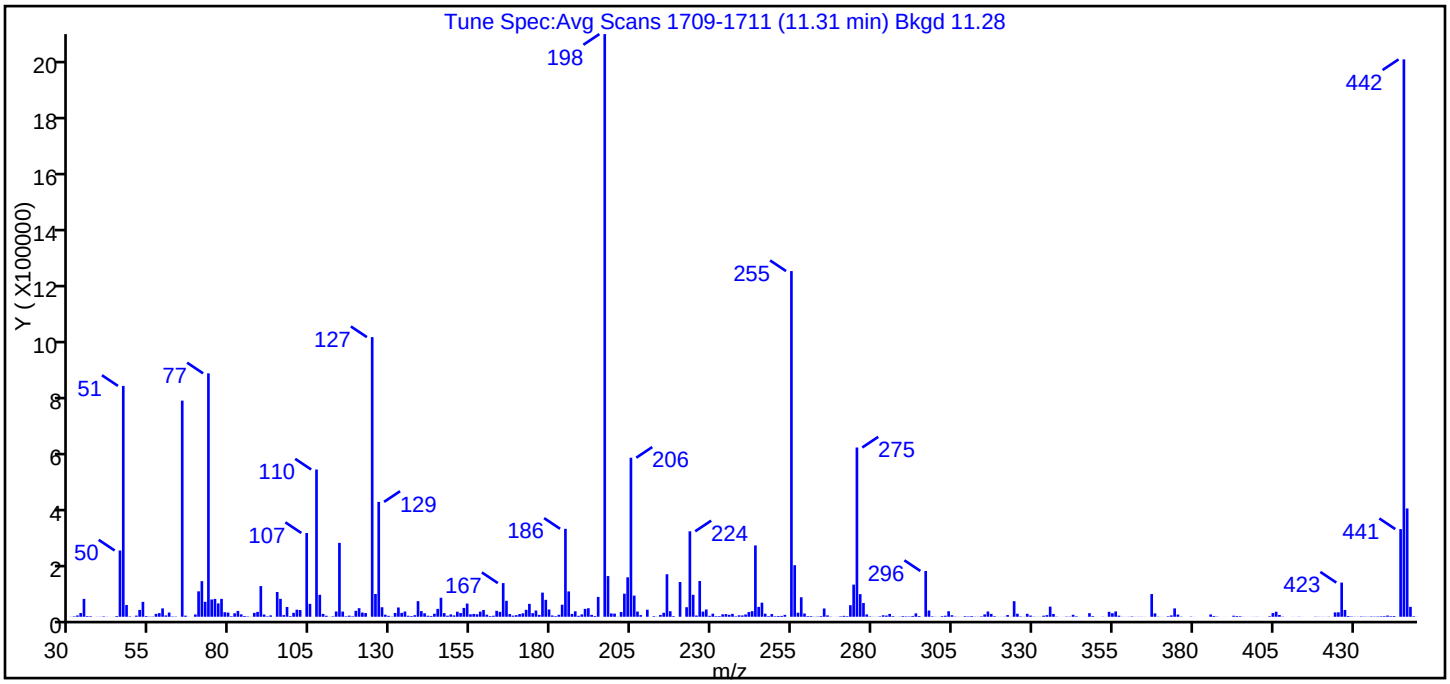
WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.969	10.969	0.000	1653242		
82 DFTPP	198	11.306	11.306	0.000	2358378		
86 Benzidine	184	12.277	12.277	0.000	6648771		
88 4,4'-DDD	235	12.835	12.835	0.000	313943		
90 4,4'-DDT	235	13.244	13.244	0.000	4022302		

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10556.D		
Inj Date:	25-Sep-2009 22:00:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49511	Lims Sample ID:	12
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	39.62
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	37.09
70	Less than 2.00% of mass 69	0.19 (0.52)
127	40.00 - 60.00% of mass 198	48.00
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.99
275	10.00 - 30.00% of mass 198	29.05
365	Greater than 1.00% of mass 198	3.90
441	Present, but less than mass 443%	15.05 (80.95)
442	Greater than 40.00% of mass 198	95.66
443	17.00 - 23.00% of mass 442	18.59 (19.43)

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10556.D\8270B.rslt\spectra.d
Injection Date: 25-Sep-2009 22:00:30
Spectrum: Tune Spec:Avg Scans 1709-1711 (11.31 min) Bkgd 11.28
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 94

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	63000	108.00	45512	180.00	59680	246.00	49616
50.00	233536	110.00	518912	181.00	25576	255.00	1218048
51.00	813504	111.00	77384	185.00	42464	256.00	181696
52.00	41528	117.00	260352	186.00	310016	258.00	68680
56.00	24096	122.00	21024	187.00	89344	265.00	29256
57.00	52568	123.00	30216	192.00	27880	273.00	40728
63.00	29656	127.00	985472	193.00	30064	274.00	113328
69.00	761600	128.00	80288	196.00	69840	275.00	596416
74.00	89632	129.00	404800	198.00	2053120	276.00	79744
75.00	125504	130.00	33560	199.00	143424	277.00	48368
76.00	52744	135.00	32744	204.00	81352	296.00	161344
77.00	857728	141.00	55072	205.00	139136	297.00	22032
78.00	60824	147.00	27776	206.00	560448	323.00	54912
79.00	62912	148.00	67016	207.00	74576	334.00	35720
80.00	47000	155.00	31216	211.00	24752	365.00	80016
81.00	63056	156.00	46536	217.00	149824	372.00	29552
86.00	20576	161.00	23976	221.00	122472	423.00	120448
93.00	108096	165.00	21016	223.00	33776	424.00	24040
98.00	87320	167.00	118656	224.00	301184	441.00	308928
99.00	63088	168.00	56248	225.00	77424	442.00	1964032
101.00	34408	174.00	24520	227.00	126080	443.00	381632
104.00	24944	175.00	45432	229.00	25752	444.00	34912
105.00	23824	177.00	22104	244.00	251392		
107.00	295168	179.00	85056	245.00	34688		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10567.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	26-Sep-2009 03:04:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Misc. Info.:	360-0001300-024		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	23
Lims Batch ID:	49517	Lims Sample ID:	24
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:20:15	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:26:58
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:20:15

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

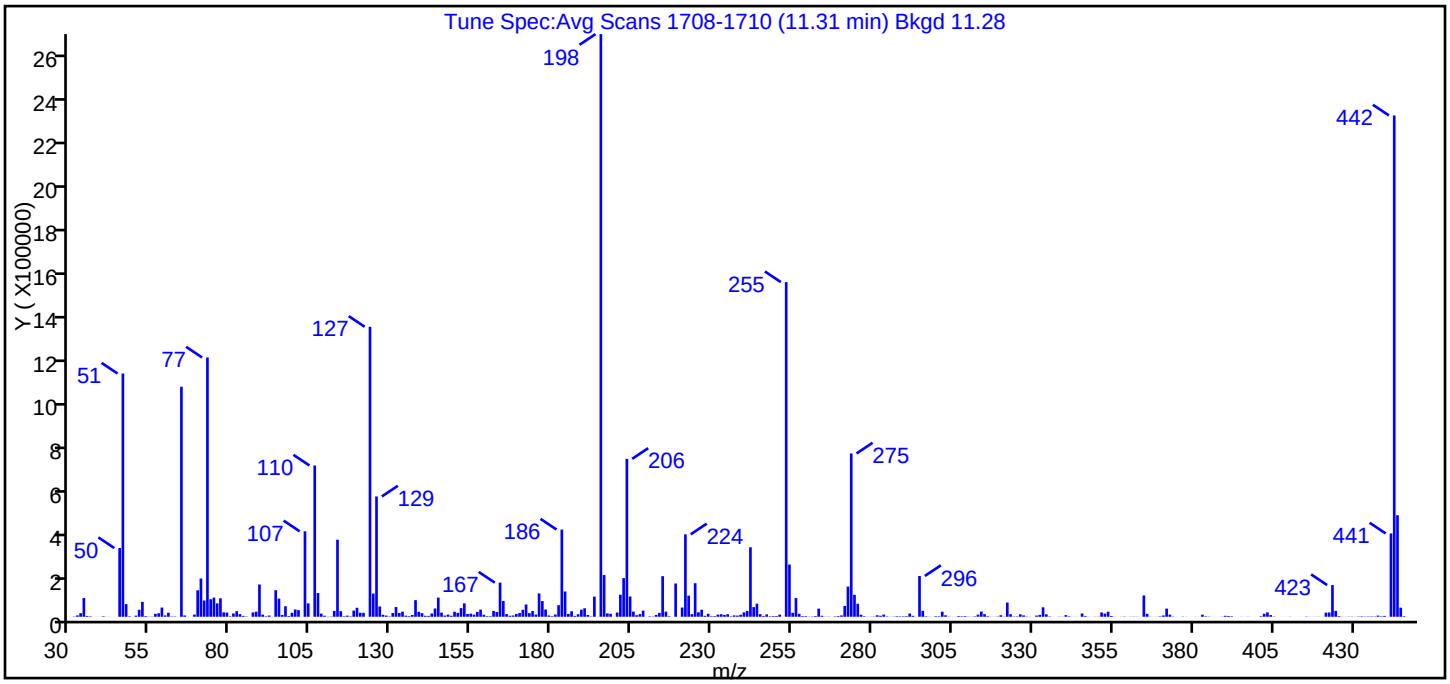
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.971	10.971	0.000	2020961		
82 DFTPP	198	11.307	11.307	0.000	2696689		
86 Benzidine	184	12.279	12.279	0.000	7736901		
88 4,4'-DDD	235	12.836	12.835	0.001	471760		
90 4,4'-DDT	235	13.245	13.245	0.000	4588330		

Chrom Revision: 1.1 20-Sep-2009 21:03:36

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10567.D		
Inj Date:	26-Sep-2009 03:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49517	Lims Sample ID:	24
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	41.75
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	39.48
70	Less than 2.00% of mass 69	0.23 (0.57)
127	40.00 - 60.00% of mass 198	49.77
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.16
275	10.00 - 30.00% of mass 198	28.03
365	Greater than 1.00% of mass 198	3.66
441	Present, but less than mass 443%	14.30 (82.05)
442	Greater than 40.00% of mass 198	86.04
443	17.00 - 23.00% of mass 442	17.43 (20.26)

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10567.D\8270B.rslt\spectra.d
Injection Date: 26-Sep-2009 03:04:30
Spectrum: Tune Spec:Avg Scans 1708-1710 (11.31 min) Bkgd 11.28
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	86672	110.00	699008	185.00	53448	255.00	1546240
50.00	317568	111.00	109776	186.00	403008	256.00	241344
51.00	1123840	117.00	356032	187.00	116848	258.00	86632
52.00	58600	122.00	28640	192.00	32696	265.00	37592
56.00	32456	123.00	41488	193.00	39368	273.00	50096
57.00	68792	127.00	1339904	196.00	93248	274.00	139520
63.00	42616	128.00	107280	198.00	2692096	275.00	754560
69.00	1062912	129.00	555840	199.00	192832	276.00	101568
74.00	122280	130.00	47576	204.00	101888	277.00	59992
75.00	176704	135.00	44936	205.00	178752	296.00	188480
76.00	75232	141.00	76800	206.00	729728	297.00	27496
77.00	1198080	147.00	38192	207.00	93776	323.00	65648
78.00	80952	148.00	88672	211.00	28352	334.00	43760
79.00	88624	155.00	40088	217.00	187520	365.00	98528
80.00	61864	156.00	61752	221.00	153792	372.00	37656
81.00	85320	161.00	32968	223.00	42696	423.00	146560
93.00	148992	165.00	27168	224.00	380928	424.00	27248
98.00	122592	167.00	157760	225.00	97744	441.00	385024
99.00	83784	168.00	73016	227.00	155136	442.00	2316288
101.00	48648	174.00	32144	229.00	32296	443.00	469248
104.00	33704	175.00	56728	243.00	26952	444.00	41992
105.00	30728	179.00	107816	244.00	321024		
107.00	394880	180.00	72504	245.00	44760		
108.00	61848	181.00	33576	246.00	60512		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: | Lab Sample ID: MB 360-49016/1-A

Matrix: Solid | Lab File ID: B10486.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/16/2009 11:53

Sample wt/vol: 30.00(g) | Date Analyzed: 09/22/2009 20:43

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.: 49400 | 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.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: | Lab Sample ID: MB 360-49016/1-A

Matrix: Solid | Lab File ID: B10486.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/16/2009 11:53

Sample wt/vol: 30.00(g) | Date Analyzed: 09/22/2009 20:43

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.: 49400 | 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	97.4	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	162		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	68.0		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.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: | Lab Sample ID: MB 360-49016/1-A

Matrix: Solid | Lab File ID: B10486.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/16/2009 11:53

Sample wt/vol: 30.00(g) | Date Analyzed: 09/22/2009 20:43

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.: 49400 | 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	81	30-130	
321-60-8	2-Fluorobiphenyl	76	30-130	
367-12-4	2-Fluorophenol	106	30-130	
4165-60-0	Nitrobenzene-d5	88	30-130	
4165-62-2	Phenol-d5	90	30-130	
1718-51-0	Terphenyl-d14	90	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: | Lab Sample ID: MB 360-49016/1-A

Matrix: Solid | Lab File ID: B10486.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/16/2009 11:53

Sample wt/vol: 30.00(g) | Date Analyzed: 09/22/2009 20:43

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.: 49400 | Units: ug/Kg

Number TICs Found: 5 | TIC Result Total: 176.1

CAS NO.	COMPOUND NAME	RT	RESULT	Q
621-59-0	Benzaldehyde, 3-hydroxy-4-methoxy-	9.83	15.1	T J N
111-82-0	Dodecanoic acid, methyl ester	10.28	11.9	T J N
593-45-3	Octadecane	11.38	63.3	T J N
112-95-8	Eicosane	12.08	31.5	T J N
7683-64-9	Squalene	16.44	54.3	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10486.D		
Lims ID:	MB 360-49016/1-A	Client ID:	
Inject. Date:	22-Sep-2009 20:43:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-49016/1-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49400	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	24-Sep-2009 11:53:38	Calib Date:	22-Sep-2009 19:41:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:53:38

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	7.695	7.691	0.004	328205	2.00	
* 2 Naphthalene-d8	136	8.820	8.821	-0.001	799403	2.00	
* 3 Acenaphthene-d10	164	10.320	10.321	-0.001	395609	2.00	
* 4 Phenanthrene-d10	188	11.585	11.581	0.004	660935	2.00	
* 5 Chrysene-d12	240	14.990	14.990	0.000	463904	2.00	
* 6 Perylene-d12	264	17.384	17.385	-0.001	350406	2.00	
$ 7 2-Fluorophenol	112	6.449	6.407	0.042	853874	10.6	5
$ 8 Phenol-d5	99	7.329	7.320	0.009	1014558	9.02	
$ 9 Nitrobenzene-d5	82	8.185	8.186	-0.001	449397	4.38	
$ 10 2-Fluorobiphenyl	172	9.719	9.720	-0.001	994579	3.79	
$ 11 2,4,6-Tribromophenol	330	10.984	10.985	-0.001	196833	8.10	
$ 12 Terphenyl-d14	244	13.109	13.110	-0.001	845135	4.49	
20 Bis(2-chloroethyl)ether	93	7.435	7.431	0.004	2430	0.0258	
21 2-Chlorophenol	128	7.507	7.498	0.009	1954	0.0195	
22 1,4-Dichlorobenzene	146	7.647	7.642	0.005	2012	0.0161	
30 Acetophenone	105	8.041	8.042	-0.001	3396	0.0250	
36 Benzoic acid	105	8.507	8.513	-0.006	29447	2.92	5
40 Alpha-Terpineol	59	8.815	8.811	0.004	12399	0.1454	
46 2-Methylnaphthalene	142	9.426	9.426	0.000	2195	0.0110	
66 Diethyl phthalate	149	10.614	10.619	-0.005	9726	0.0387	
80 Phenanthrene	178	11.604	11.605	-0.001	6362	0.0186	
84 Di-n-butyl phthalate	149	11.984	11.985	-0.001	838788	2.04	
89 Butyl benzyl phthalate	149	13.768	13.769	-0.001	7790	0.1193	
92 Bis(2-ethylhexyl) phthalate	149	14.879	14.880	-0.001	1110839	4.86	
100 Indeno[1,2,3-cd]pyrene	276	19.596	19.602	-0.006	18250	0.1417	
101 Dibenz(a,h)anthracene	278	19.616	19.626	-0.010	14399	0.1403	
102 Benzo[g,h,i]perylene	276	20.255	20.270	-0.015	17404	0.1478	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10486.D		
Lims ID:	MB 360-49016/1-A	Client ID:	
Inject. Date:	22-Sep-2009 20:43:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-49016/1-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49400	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	24-Sep-2009 11:53:38	Calib Date:	22-Sep-2009 19:41:30
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:	24-Sep-2009 11:53:38

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
621-59-0	Benzaldehyde, 3-hydroxy-4-methoxy-					
9.830	390333	0.4533	3	97	67910	
111-82-0	Dodecanoic acid, methyl ester					
10.282	307877	0.3575	3	94	115462	
593-45-3	Octadecane					
11.378	1620438	1.90	4	97	112330	
112-95-8	Eicosane					
12.080	807478	0.9462	4	99	112344	
7683-64-9	Squalene					
16.437	872895	1.63	6	91	114263	

Quantitation Compounds

Compound	RT	Response	Amount ug/mL
* 3 Acenaphthene-d10	10.320	1722309	2.00
* 4 Phenanthrene-d10	11.580	1706704	2.00
* 6 Perylene-d12	17.384	1071795	2.00

QC Flag Legend

Processing Flags

Report Date: 24-Sep-2009 11:53:39 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10486.D

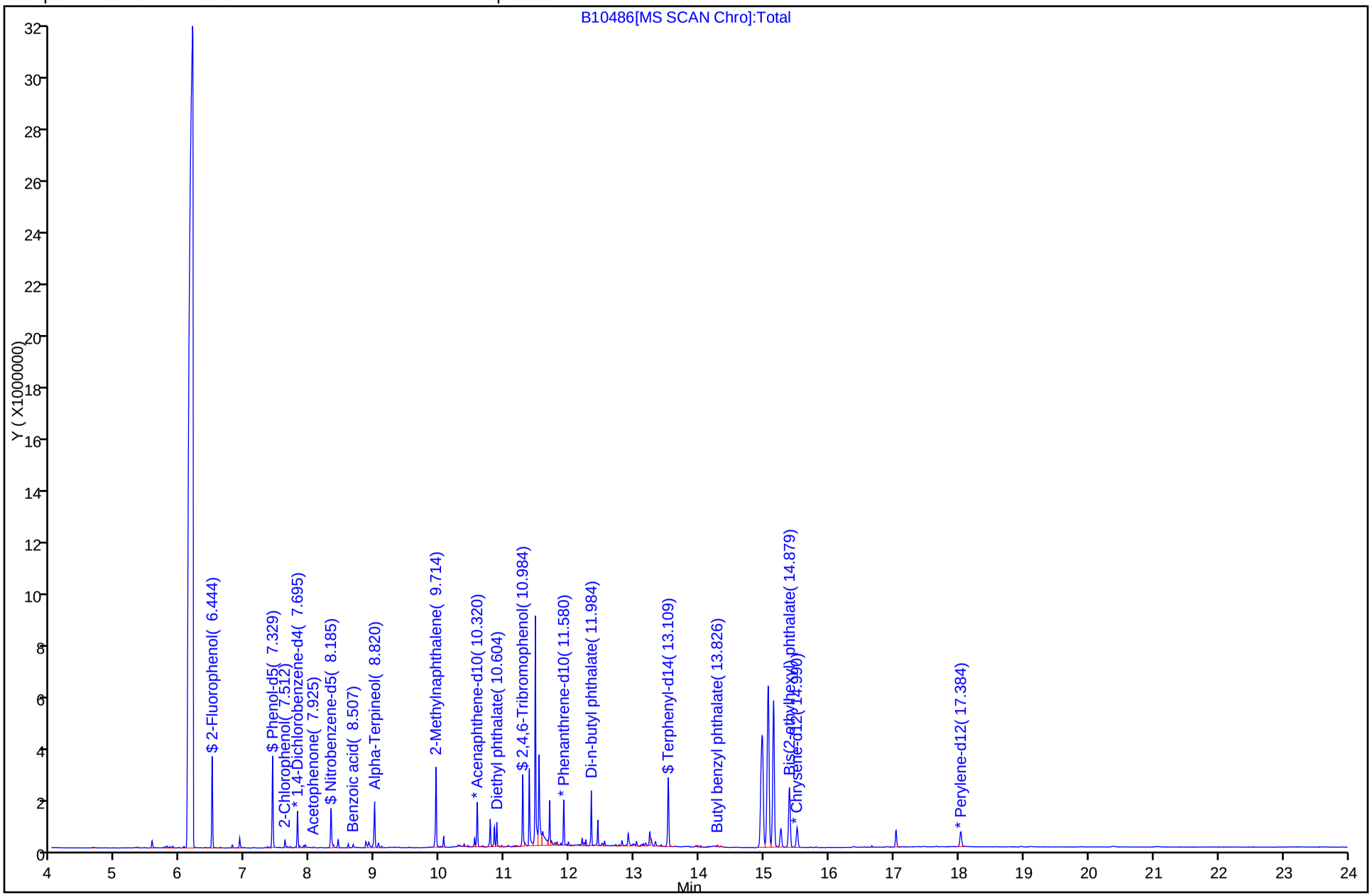
Inj Date: 22-Sep-2009 20:43:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49400 Lims Sample ID: 12

Client ID: Instrument: Inst. B

Sample Info: mb 360-49016/1-a

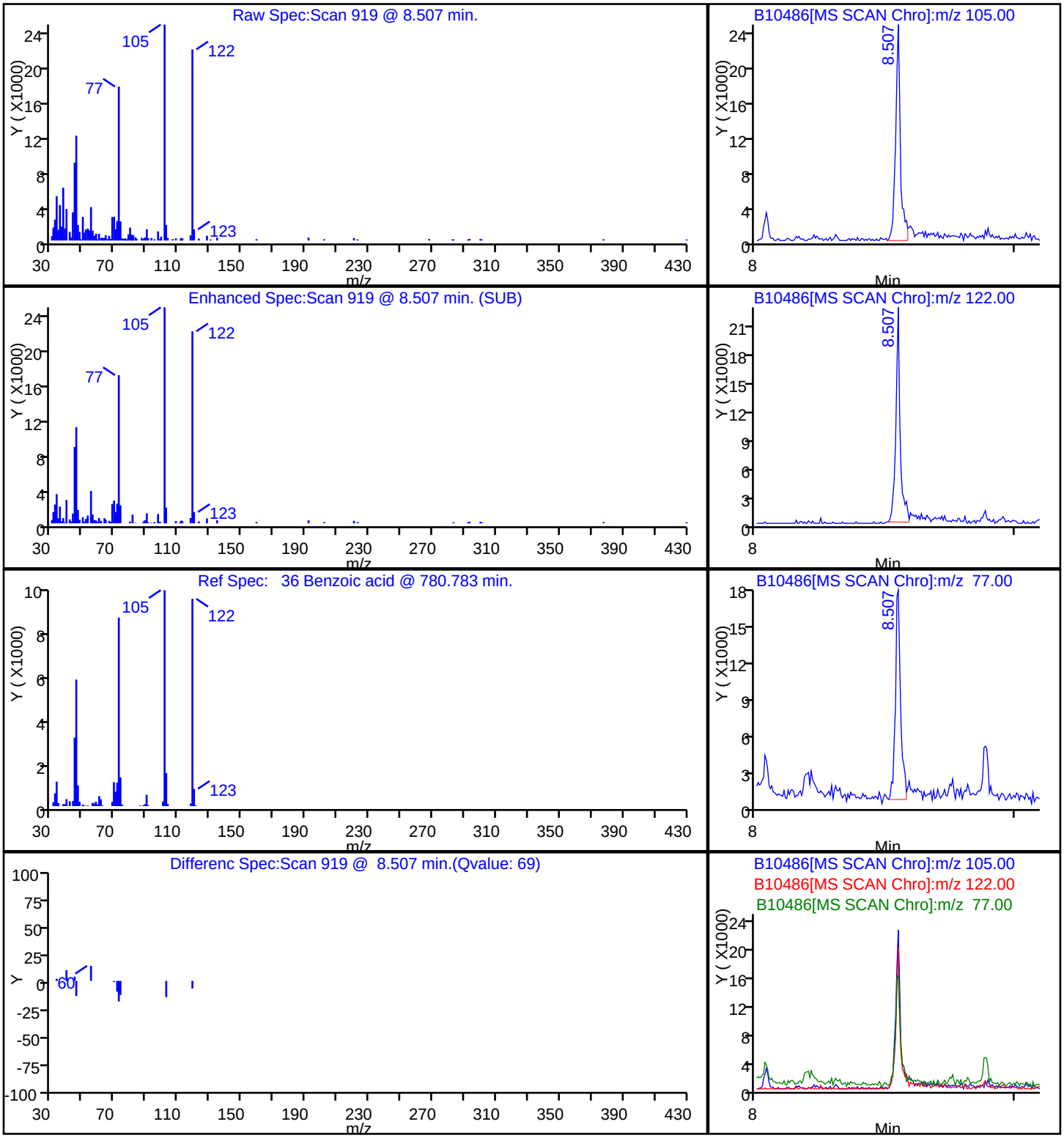
Sample Amount: 1.00 ul Operator: MZ



Report Date: 24-Sep-2009 11:53:40 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10486.D		
Inj Date:	22-Sep-2009 20:43:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	12
Client ID:		Instrument:	Inst. B
Sample Info:	mb 360-49016/1-a		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid



Report Date: 24-Sep-2009 11:53:43 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10486.D

Inj Date: 22-Sep-2009 20:43:30 Limit Group: SMS - 8270LL SVOA Calibration

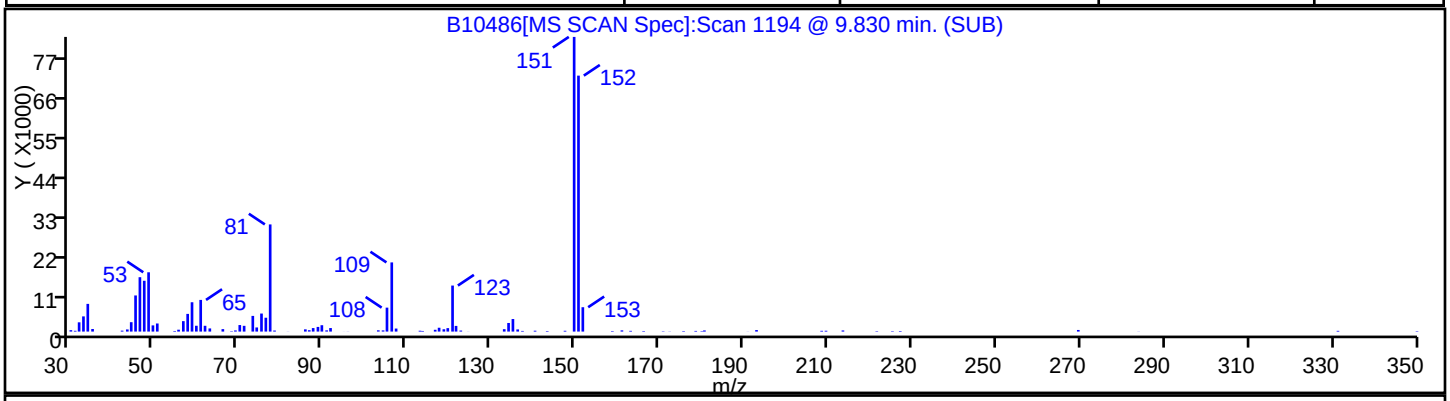
Lims Batch ID: 49400 Lims Sample ID: 12

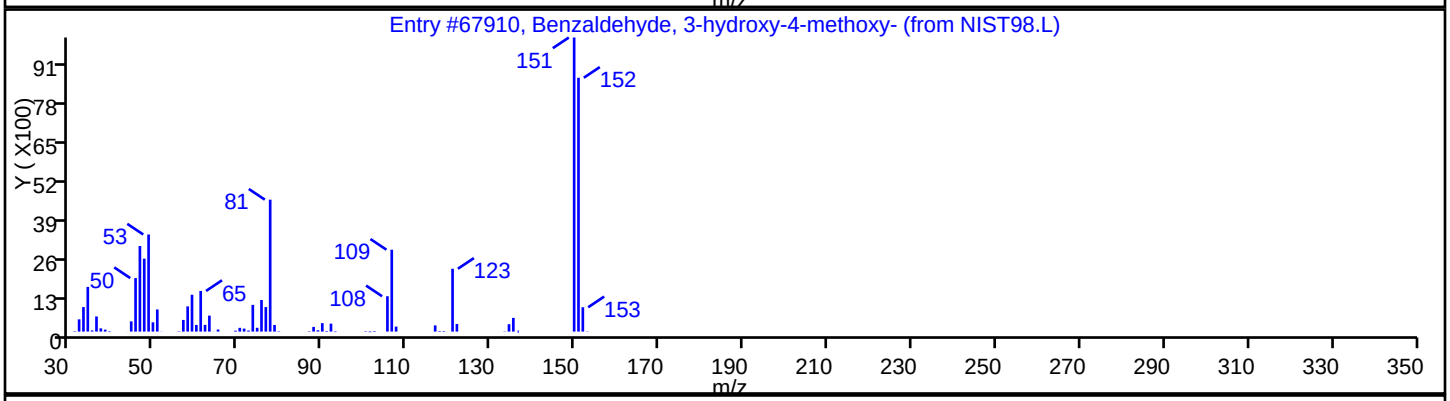
Client ID: Instrument: Inst. B

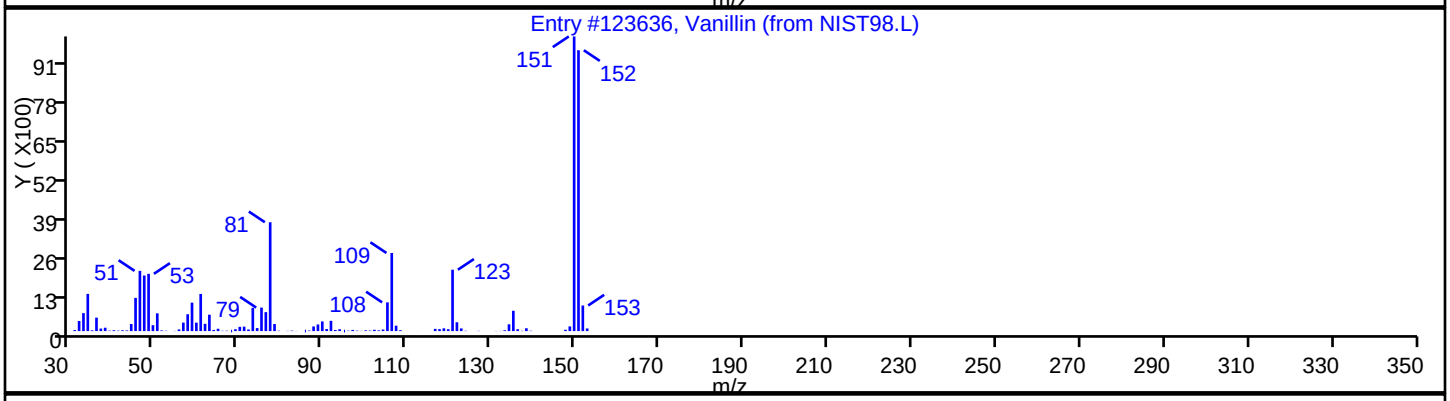
Sample Info: mb 360-49016/1-a

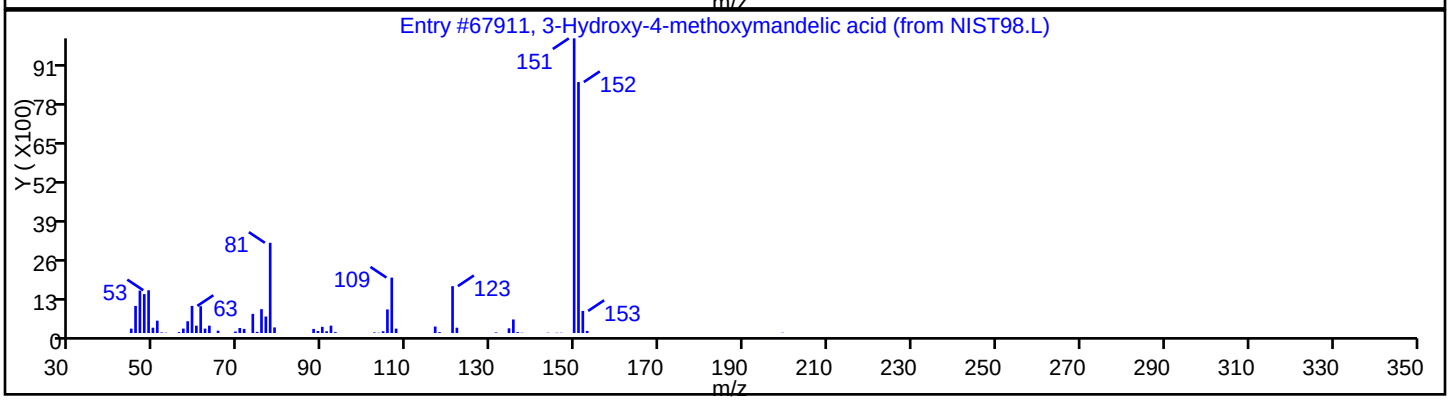
Sample Amount: 1.00 ul Operator: MZ

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	123636	90
3-Hydroxy-4-methoxymandelic acid	3695-24-7	NIST98.L	67911	90









Report Date: 24-Sep-2009 11:53:43 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10486.D

Inj Date: 22-Sep-2009 20:43:30 Limit Group: SMS - 8270LL SVOA Calibration

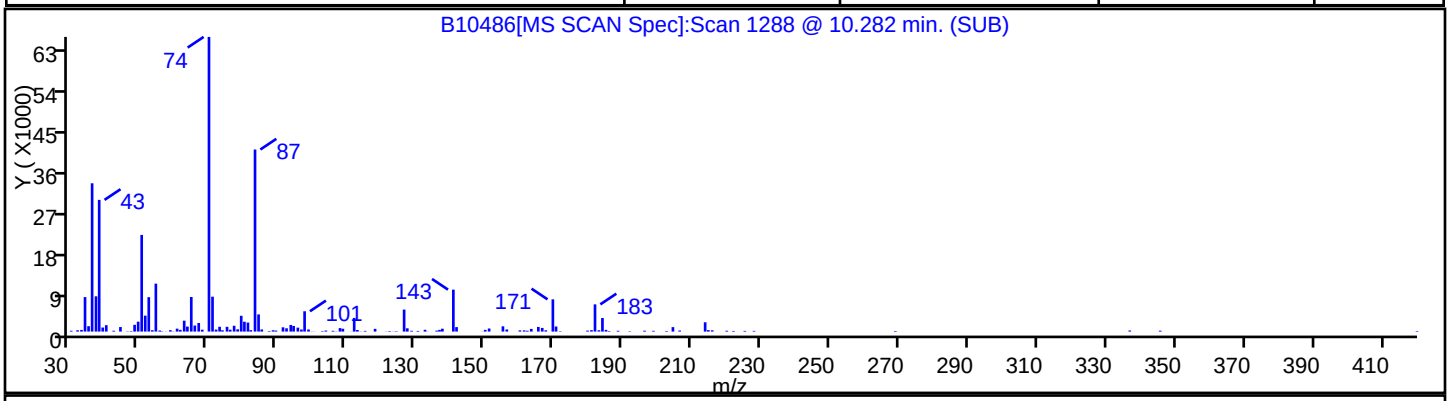
Lims Batch ID: 49400 Lims Sample ID: 12

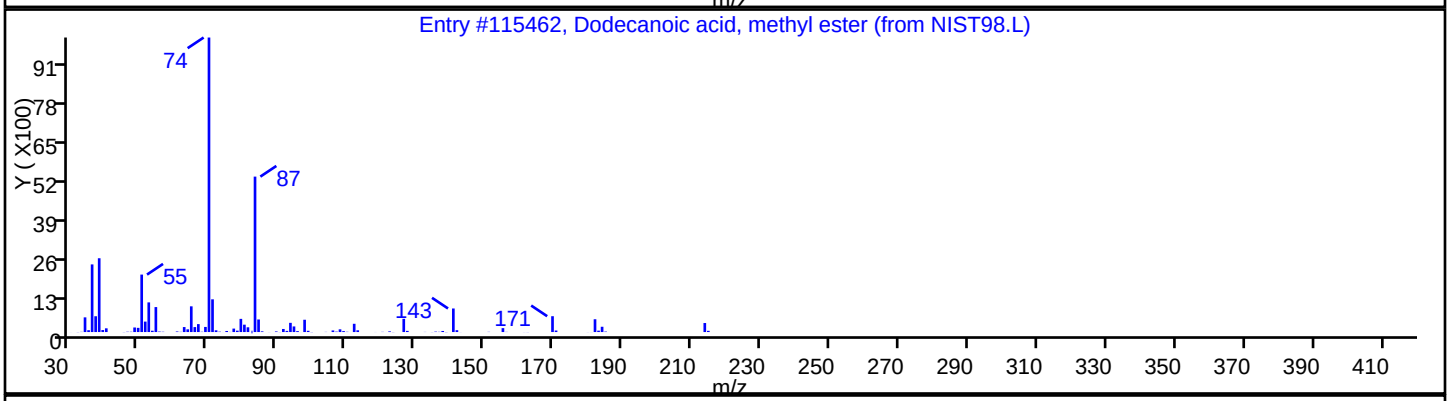
Client ID: Instrument: Inst. B

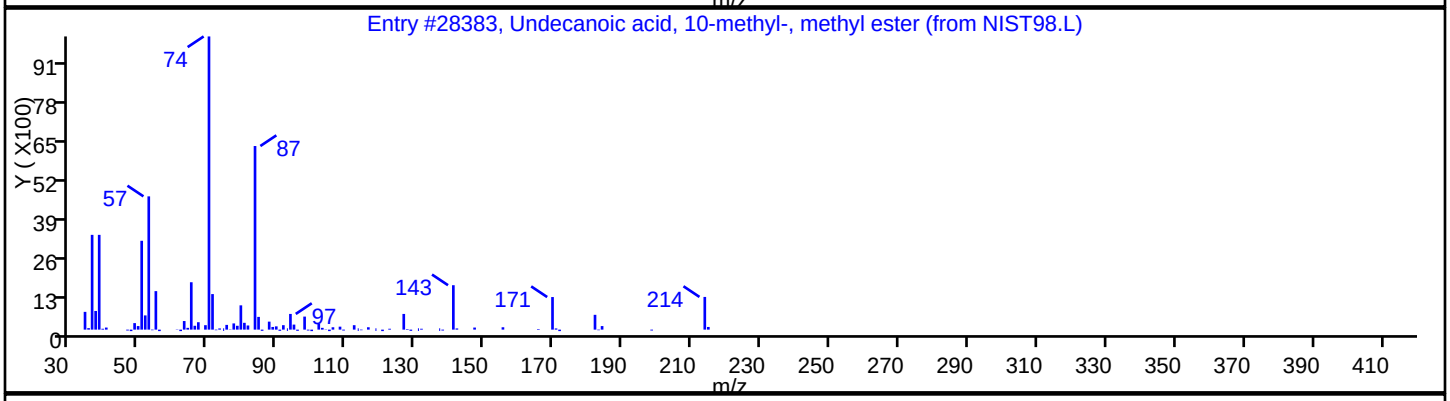
Sample Info: mb 360-49016/1-a

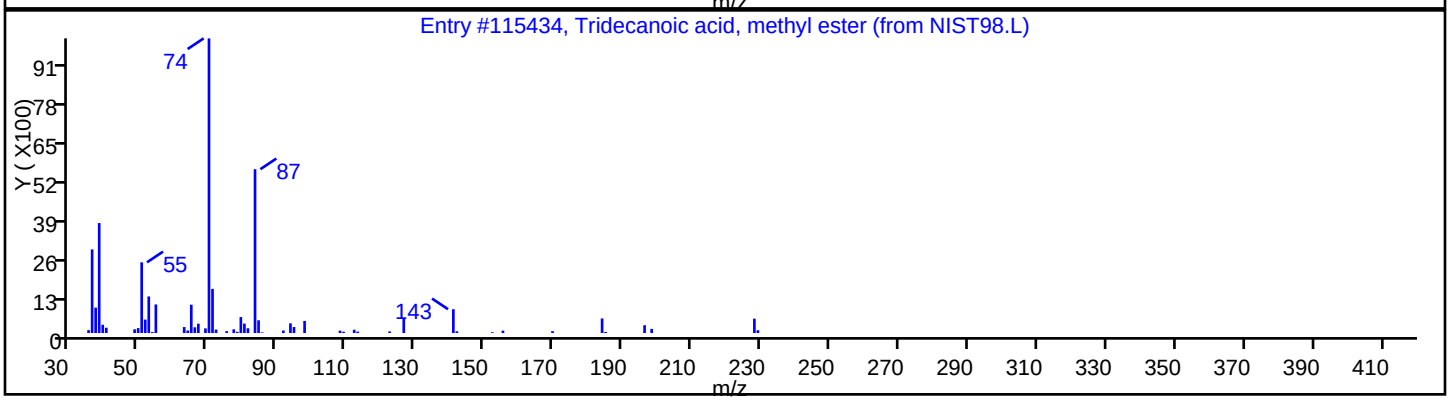
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Dodecanoic acid, methyl ester	111-82-0	NIST98.L	115462	94
Undecanoic acid, 10-methyl-, methyl este	5129-56-6	NIST98.L	28383	83
Tridecanoic acid, methyl ester	1731-88-0	NIST98.L	115434	80









Report Date: 24-Sep-2009 11:53:43 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10486.D

Inj Date: 22-Sep-2009 20:43:30 Limit Group: SMS - 8270LL SVOA Calibration

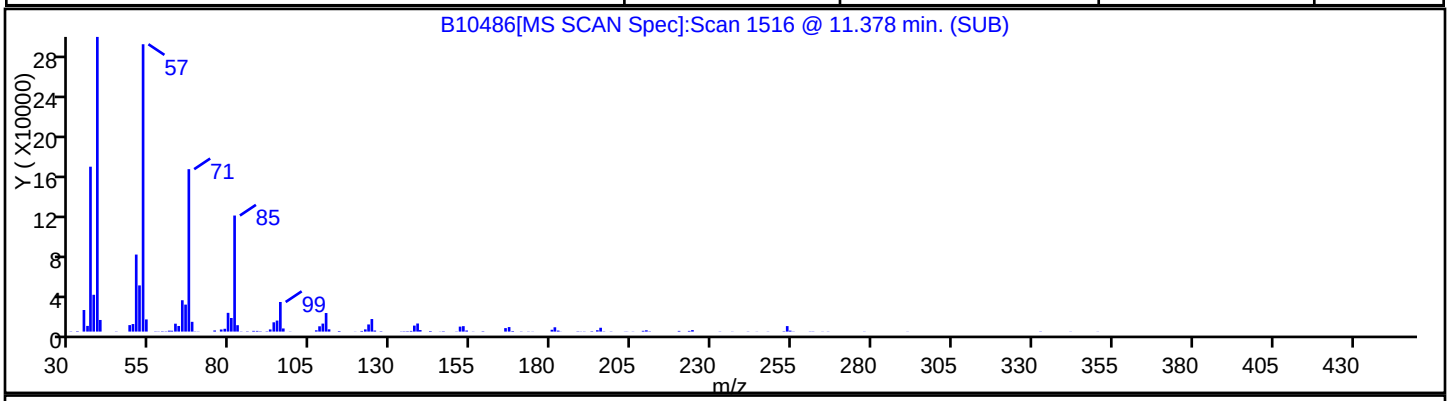
Lims Batch ID: 49400 Lims Sample ID: 12

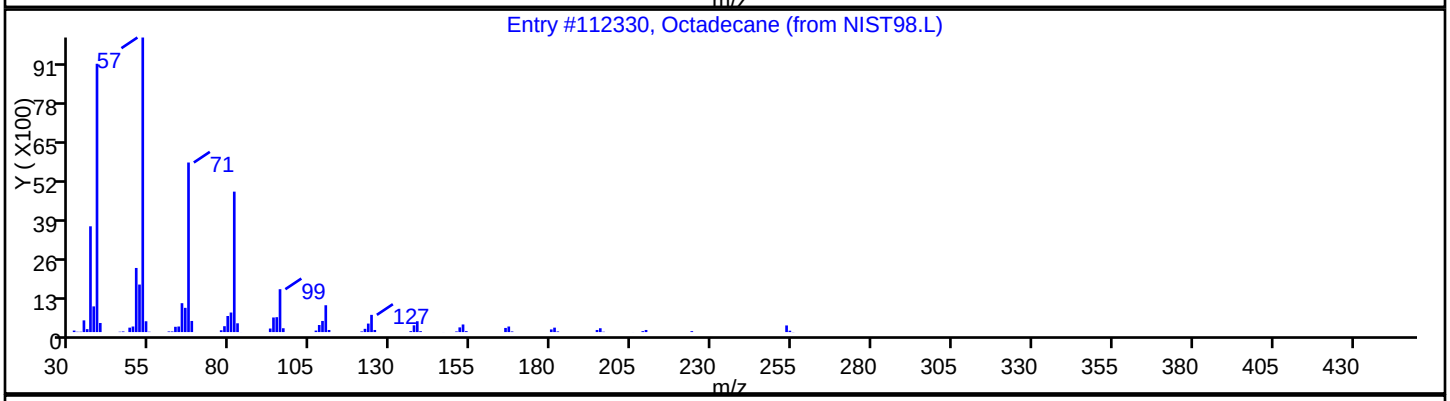
Client ID: Instrument: Inst. B

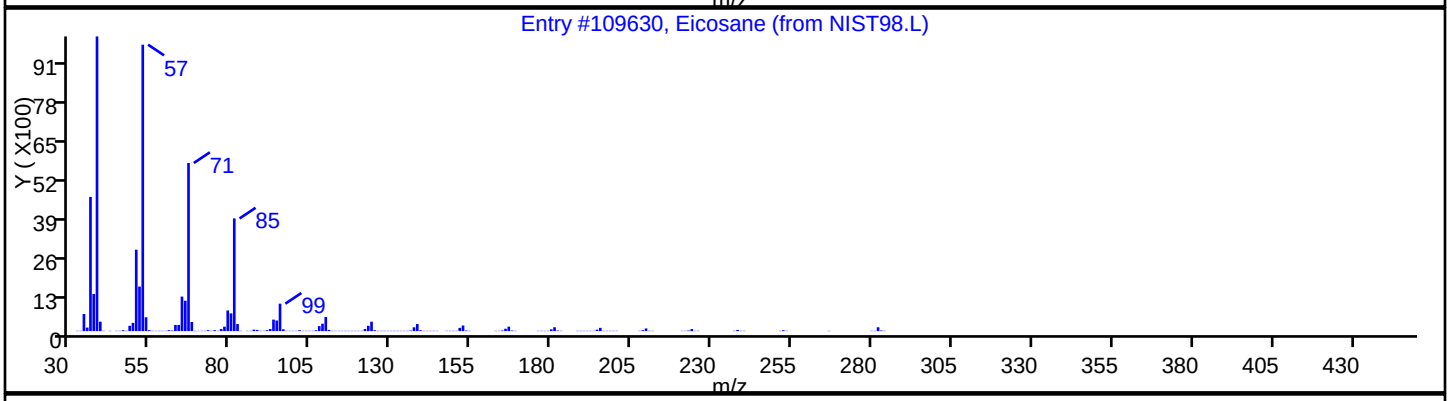
Sample Info: mb 360-49016/1-a

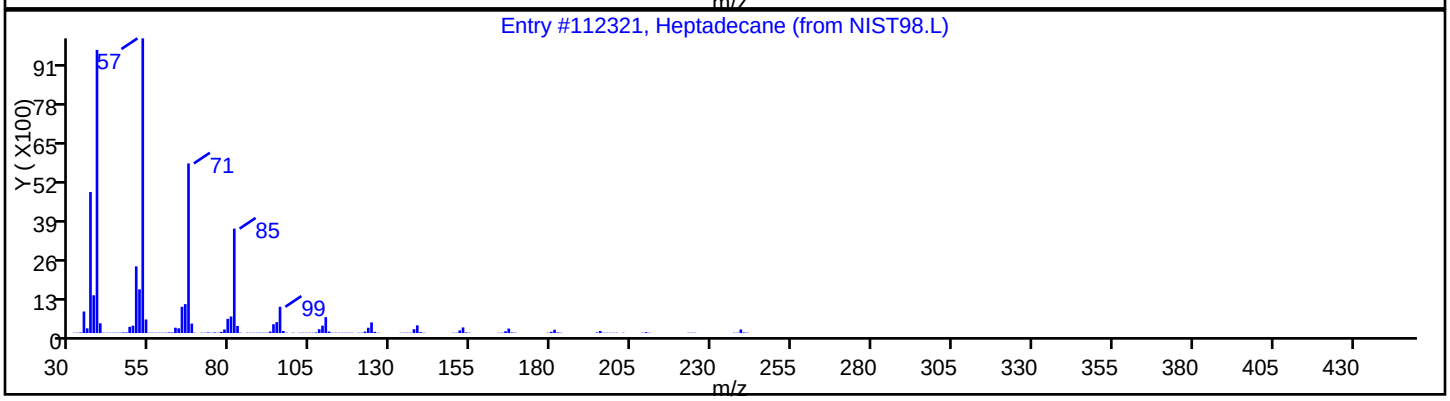
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane	593-45-3	NIST98.L	112330	97
Eicosane	112-95-8	NIST98.L	109630	91
Heptadecane	629-78-7	NIST98.L	112321	91









Report Date: 24-Sep-2009 11:53:43 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10486.D

Inj Date: 22-Sep-2009 20:43:30 Limit Group: SMS - 8270LL SVOA Calibration

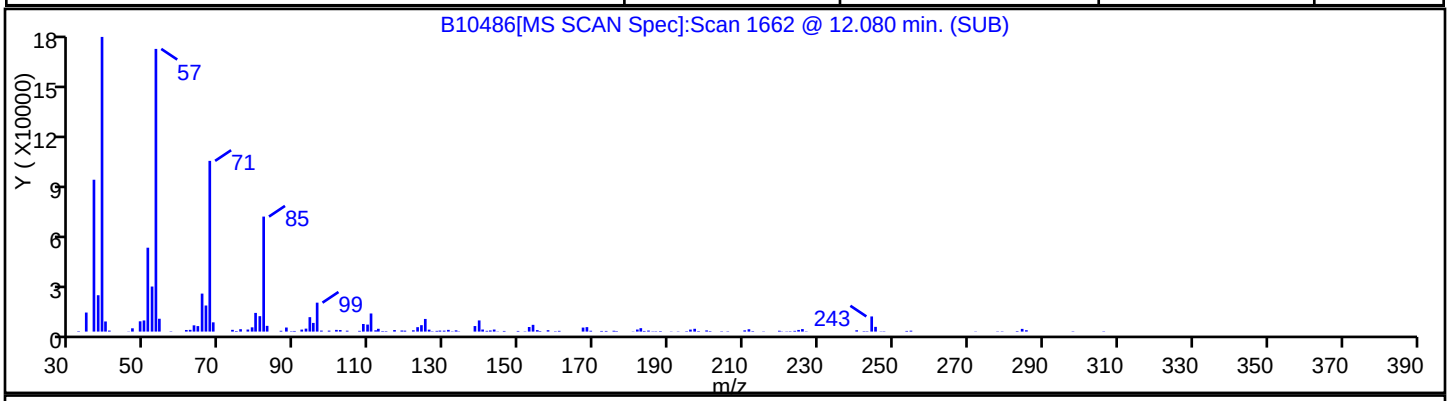
Lims Batch ID: 49400 Lims Sample ID: 12

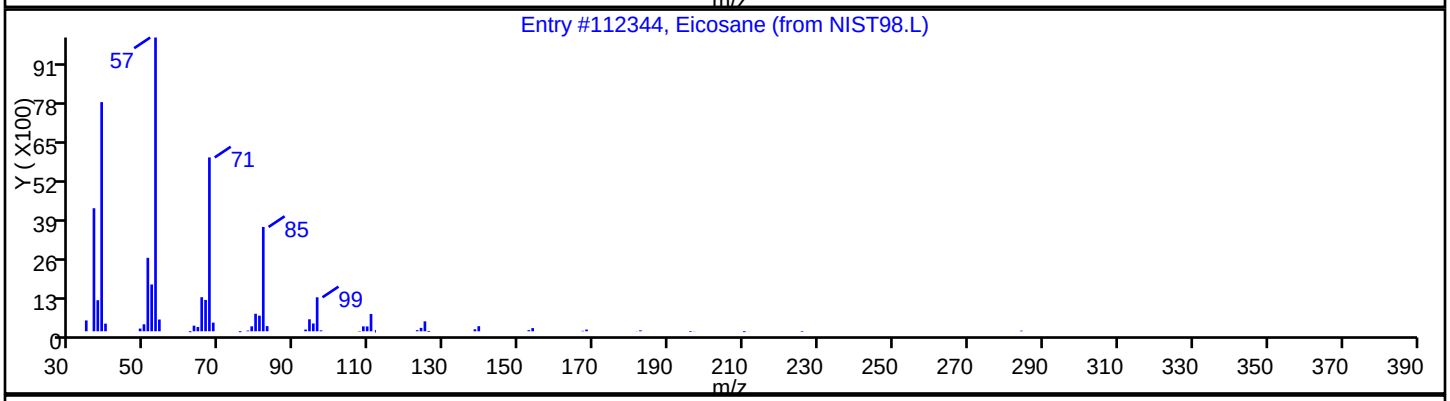
Client ID: Instrument: Inst. B

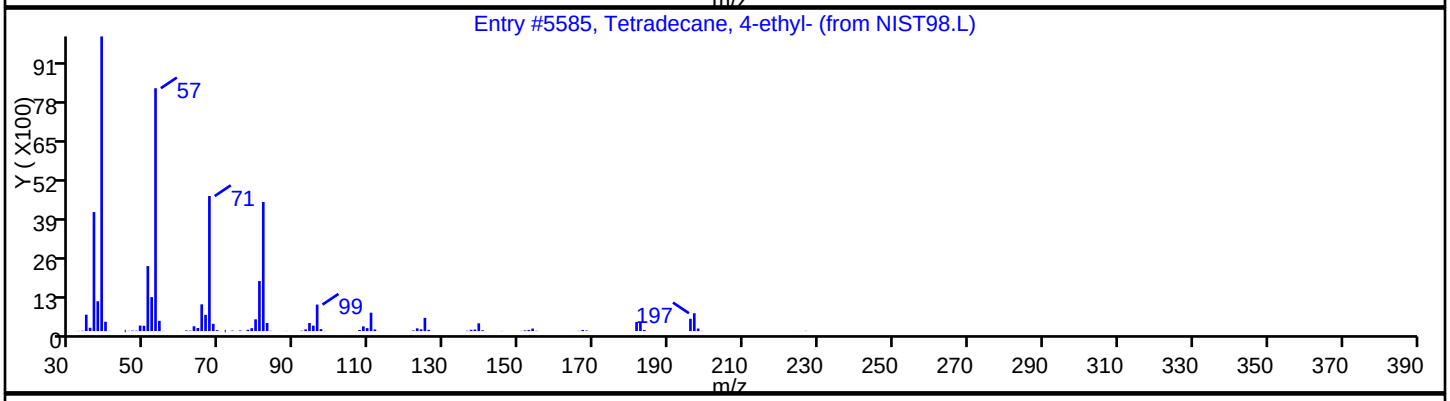
Sample Info: mb 360-49016/1-a

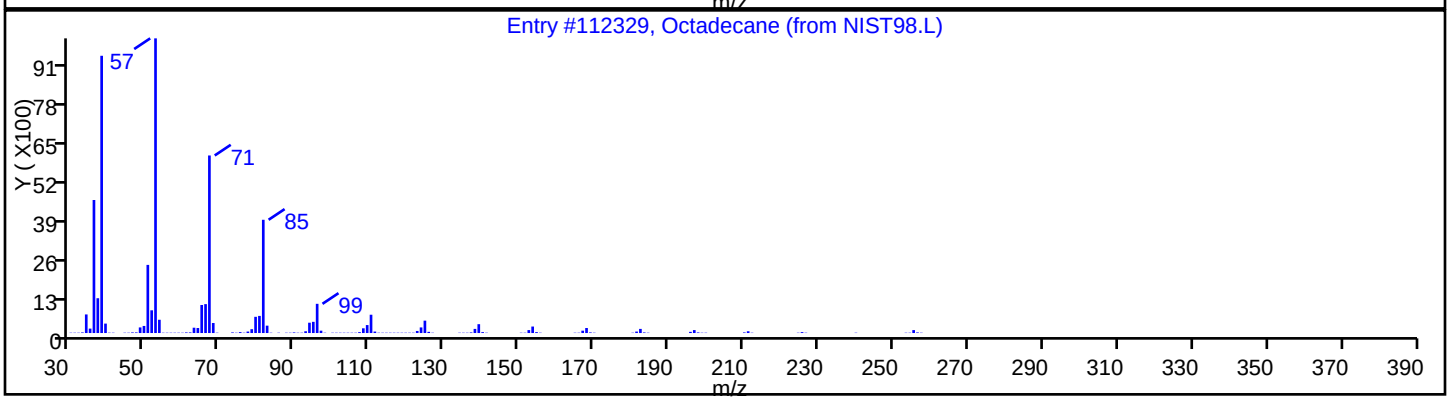
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane	112-95-8	NIST98.L	112344	99
Tetradecane, 4-ethyl-	55045-14-2	NIST98.L	5585	93
Octadecane	593-45-3	NIST98.L	112329	91









Report Date: 24-Sep-2009 11:53:44 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10486.D

Inj Date: 22-Sep-2009 20:43:30 Limit Group: SMS - 8270LL SVOA Calibration

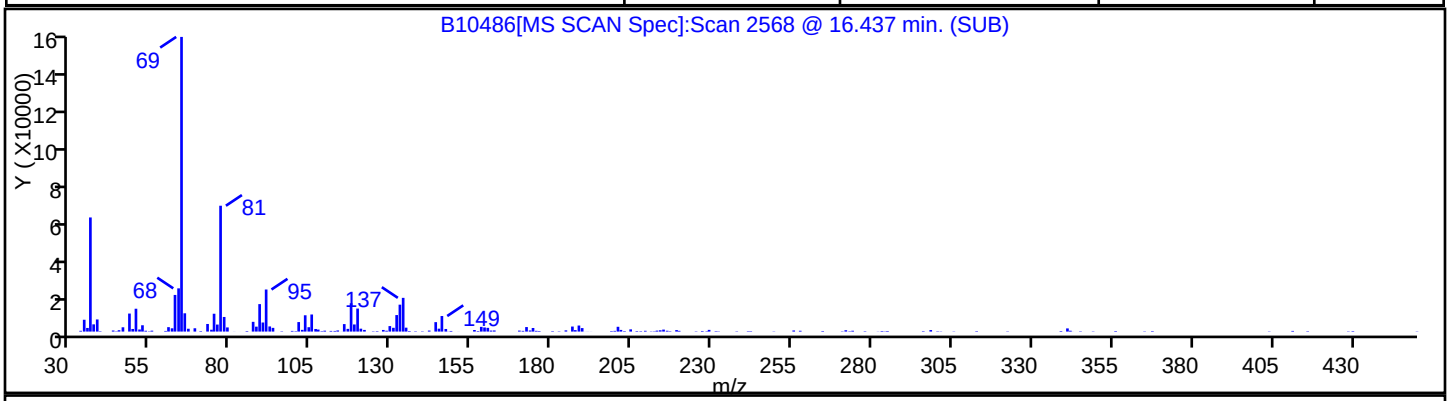
Lims Batch ID: 49400 Lims Sample ID: 12

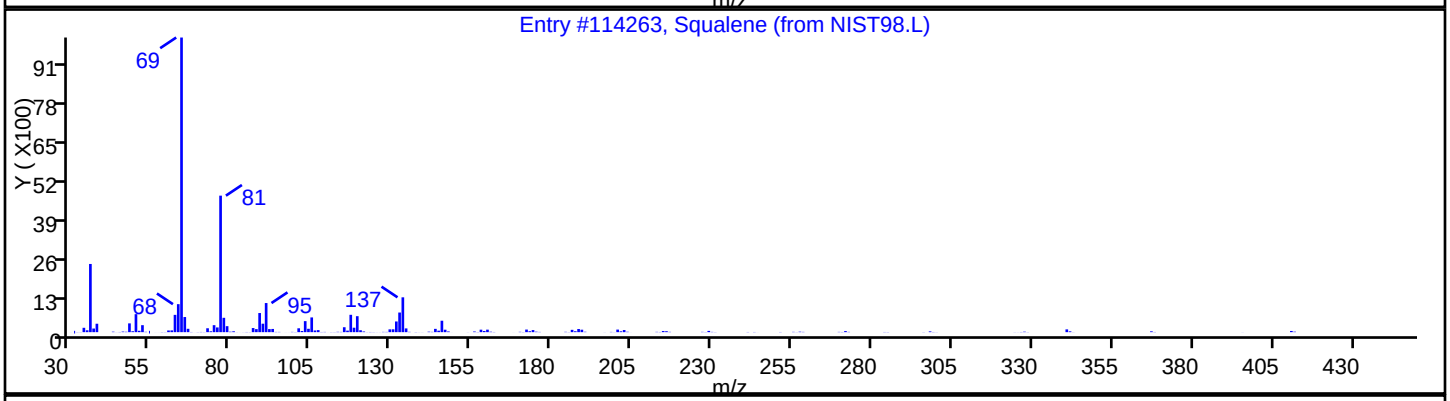
Client ID: Instrument: Inst. B

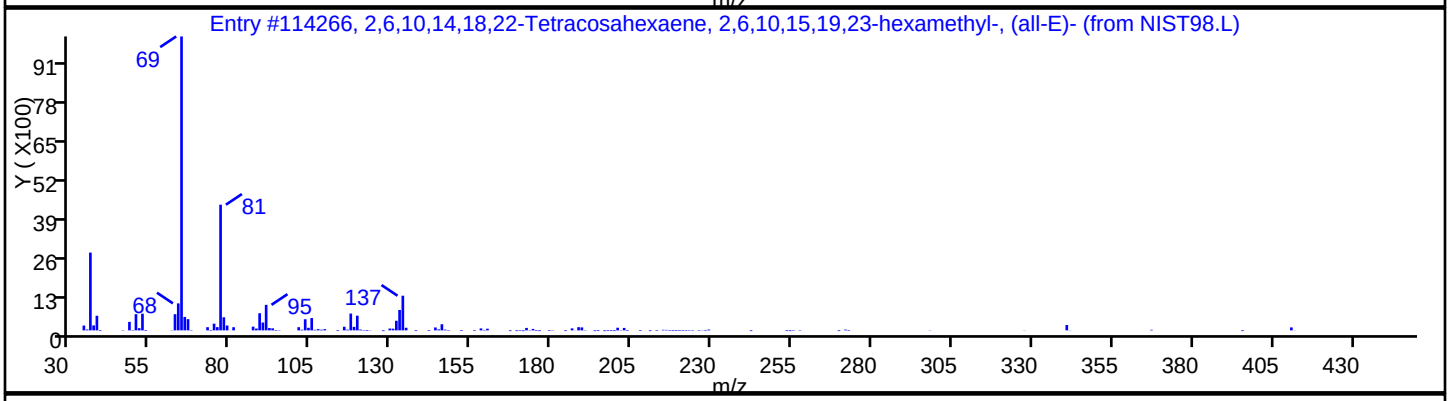
Sample Info: mb 360-49016/1-a

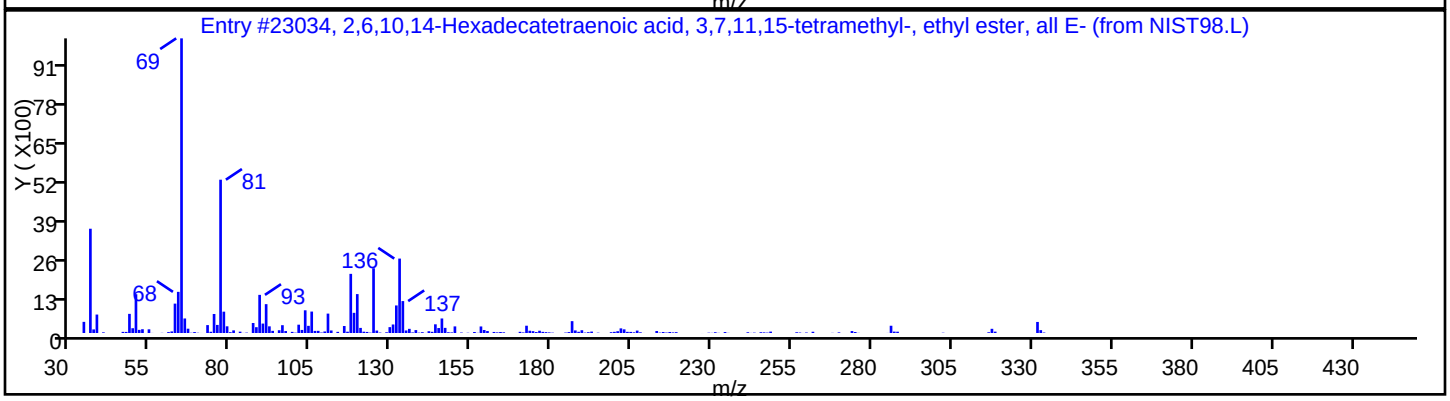
Sample Amount: 1.00 ul Operator: MZ

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
2,6,10,14-Hexadecatetraenoic acid, 3,7,1	24035-35-6	NIST98.L	23034	78









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: | Lab Sample ID: MB 360-49041/1-A

Matrix: Solid | Lab File ID: B10564.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/16/2009 15:13

Sample wt/vol: 30.00(g) | Date Analyzed: 09/26/2009 01:41

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.: 49511 | 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.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: | Lab Sample ID: MB 360-49041/1-A

Matrix: Solid | Lab File ID: B10564.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/16/2009 15:13

Sample wt/vol: 30.00(g) | Date Analyzed: 09/26/2009 01:41

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.: 49511 | 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	62.2	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	211		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	72.7		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.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: | Lab Sample ID: MB 360-49041/1-A

Matrix: Solid | Lab File ID: B10564.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/16/2009 15:13

Sample wt/vol: 30.00(g) | Date Analyzed: 09/26/2009 01:41

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.: 49511 | 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	77	30-130	
321-60-8	2-Fluorobiphenyl	72	30-130	
367-12-4	2-Fluorophenol	94	30-130	
4165-60-0	Nitrobenzene-d5	79	30-130	
4165-62-2	Phenol-d5	88	30-130	
1718-51-0	Terphenyl-d14	86	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: | Lab Sample ID: MB 360-49041/1-A

Matrix: Solid | Lab File ID: B10564.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/16/2009 15:13

Sample wt/vol: 30.00(g) | Date Analyzed: 09/26/2009 01:41

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.: 49511 | Units: ug/Kg

Number TICs Found: 8 | TIC Result Total: 321.14

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.89	6.24	T J
121-33-5	Vanillin	9.40	13.0	T J N
593-45-3	Octadecane	10.97	47.0	T J N
112-95-8	Eicosane	11.66	27.0	T J N
596-85-0	1-Naphthalenepropanol, .alpha.-ethenylde	12.02	27.2	T J N
583-4-0	Benzoic acid, 2-propenyl ester	12.30	23.9	T J N
638-67-5	Tricosane	12.34	16.8	T J N
7683-64-9	Squalene	15.81	160	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10564.D		
Lims ID:	MB 360-49041/1-A	Client ID:	
Inject. Date:	26-Sep-2009 01:41:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-49041/1-a		
Misc. Info.:	360-0001300-021		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	49511	Lims Sample ID:	21
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:17:37	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:45:17
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:19:21

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	7.253	7.254	-0.001	345402	2.00	
* 2 Naphthalene-d8	136	8.383	8.389	-0.006	820268	2.00	
* 3 Acenaphthene-d10	164	9.879	9.879	0.000	391924	2.00	
* 4 Phenanthrene-d10	188	11.134	11.134	0.000	630407	2.00	
* 5 Chrysene-d12	240	14.043	14.044	-0.001	460107	2.00	
* 6 Perylene-d12	264	16.529	16.530	-0.001	329206	2.00	
$ 7 2-Fluorophenol	112	5.984	5.941	0.043	846996	9.42	
$ 8 Phenol-d5	99	6.907	6.898	0.009	999700	8.75	
$ 9 Nitrobenzene-d5	82	7.753	7.754	-0.001	436397	3.93	
$ 10 2-Fluorobiphenyl	172	9.292	9.293	-0.001	938351	3.62	
$ 11 2,4,6-Tribromophenol	330	10.542	10.543	-0.001	184969	7.67	
$ 12 Terphenyl-d14	244	12.519	12.519	0.000	762976	4.29	
30 Acetophenone	105	7.609	7.614	-0.005	4573	0.0329	
36 Benzoic acid	105	8.099	8.119	-0.020	33279	1.87	
66 Diethyl phthalate	149	10.196	10.202	-0.006	8593	0.0346	
80 Phenanthrene	178	11.153	11.154	-0.001	3951	0.0124	
84 Di-n-butyl phthalate	149	11.562	11.562	0.000	849838	2.18	
89 Butyl benzyl phthalate	149	13.072	13.072	0.000	5929	0.0436	
92 Bis(2-ethylhexyl) phthalate	149	13.981	13.981	0.000	1357556	6.34	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10564.D		
Lims ID:	MB 360-49041/1-A	Client ID:	
Inject. Date:	26-Sep-2009 01:41:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-49041/1-a		
Misc. Info.:	360-0001300-021		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	49511	Lims Sample ID:	21
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:17:37	Calib Date:	25-Sep-2009 21:05:30
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:	26-Sep-2009 17:45:17
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:19:21

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

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
7.893	181264	0.1872	2			
121-33-5		Vanillin				
9.403	400607	0.3897	3	97	68312	
593-45-3		Octadecane				
10.965	1258909	1.41	4	98	112329	
112-95-8		Eicosane				
11.663	722383	0.8094	4	99	109630	
596-85-0		1-Naphthalenepropanol, .alpha.-ethenylde				
12.023	728055	0.8157	4	86	62278	
583-4-0		Benzoic acid, 2-propenyl ester				
12.302	640655	0.7178	4	86	119113	
638-67-5		Tricosane				
12.336	448668	0.5027	4	98	109661	
7683-64-9		Squalene				
15.808	2422742	4.81	6	91	114263	

Report Date: 28-Sep-2009 07:19:21 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10564.D
Quantitation Compounds

Compound	RT	Response	Amount ug/mL
* 2 Naphthalene-d8	8.383	1936905	2.00
* 3 Acenaphthene-d10	9.879	2056140	2.00
* 4 Phenanthrene-d10	11.134	1785074	2.00
* 6 Perylene-d12	16.524	1006539	2.00

QC Flag Legend

Processing Flags

Report Date: 28-Sep-2009 07:19:21 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10564.D

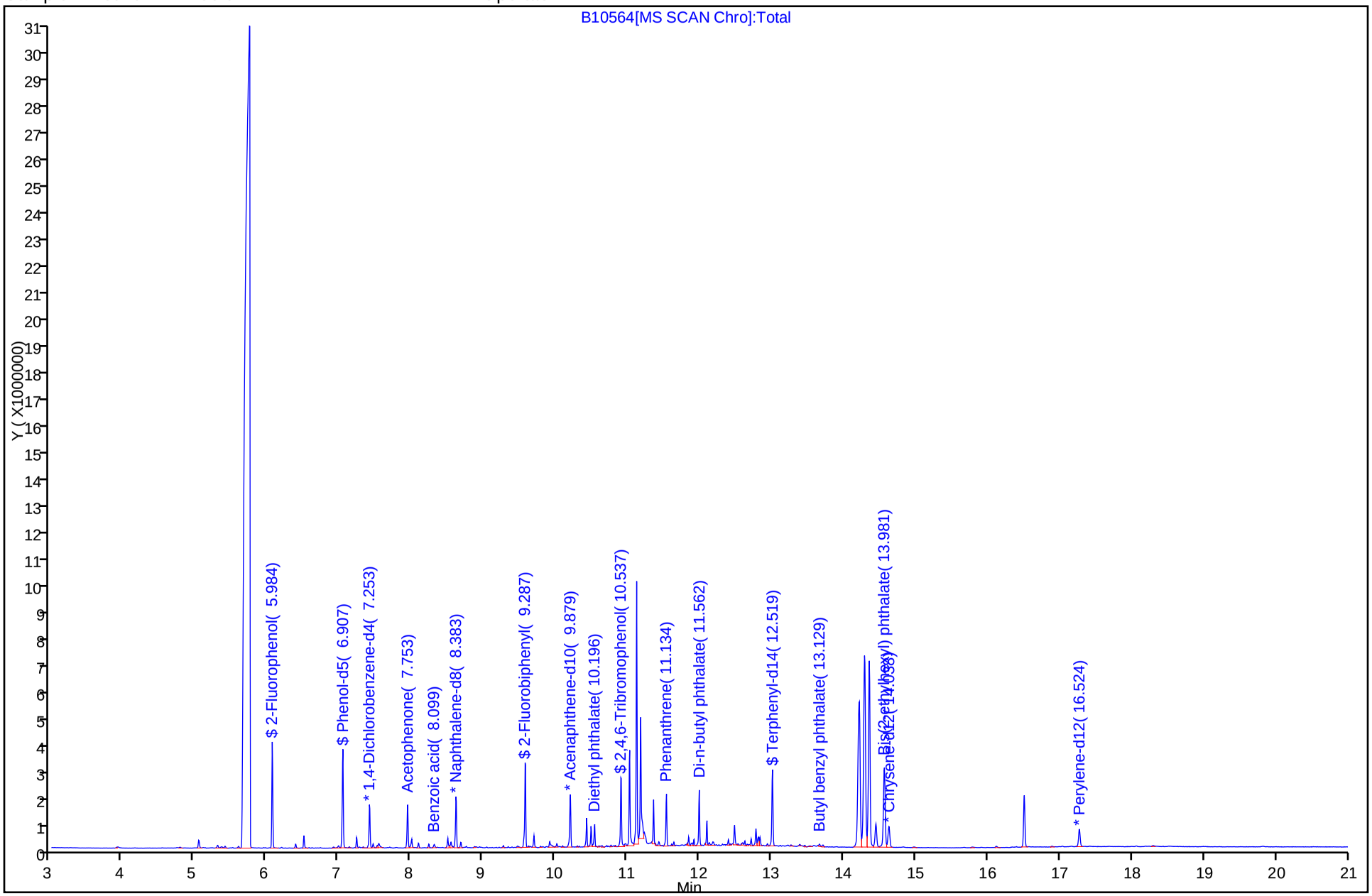
Inj Date: 26-Sep-2009 01:41:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49511 Lims Sample ID: 21

Client ID: Instrument: Inst. B

Sample Info: mb 360-49041/1-a

Sample Amount: 1.00 ul Operator: MZ



Report Date: 28-Sep-2009 07:19:22 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10564.D

Inj Date: 26-Sep-2009 01:41:30 Limit Group: SMS - 8270LL SVOA Calibration

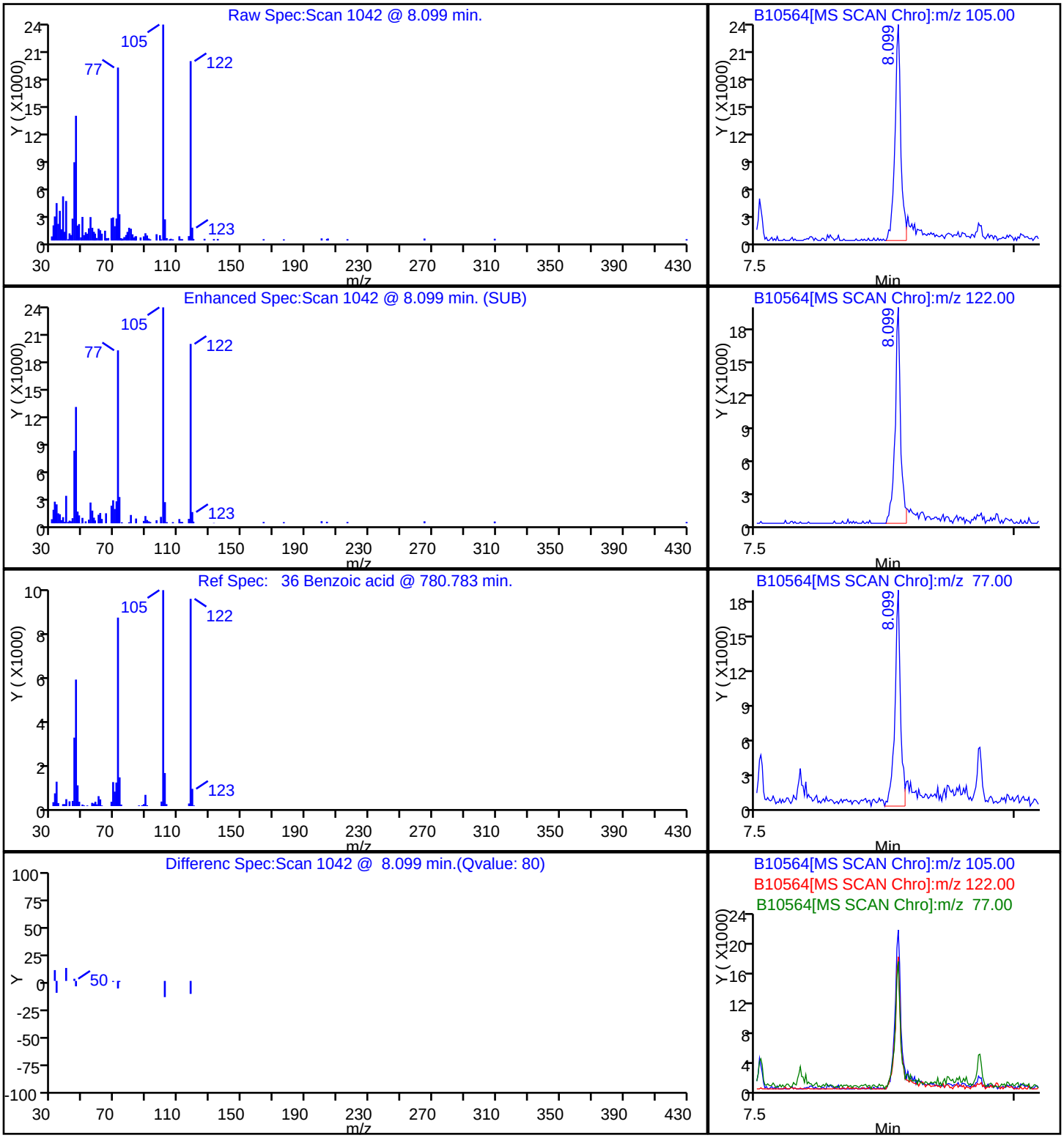
Lims Batch ID: 49511 Lims Sample ID: 21

Client ID: Instrument: Inst. B

Sample Info: mb 360-49041/1-a

Sample Amount: 1.00 ul Operator: MZ

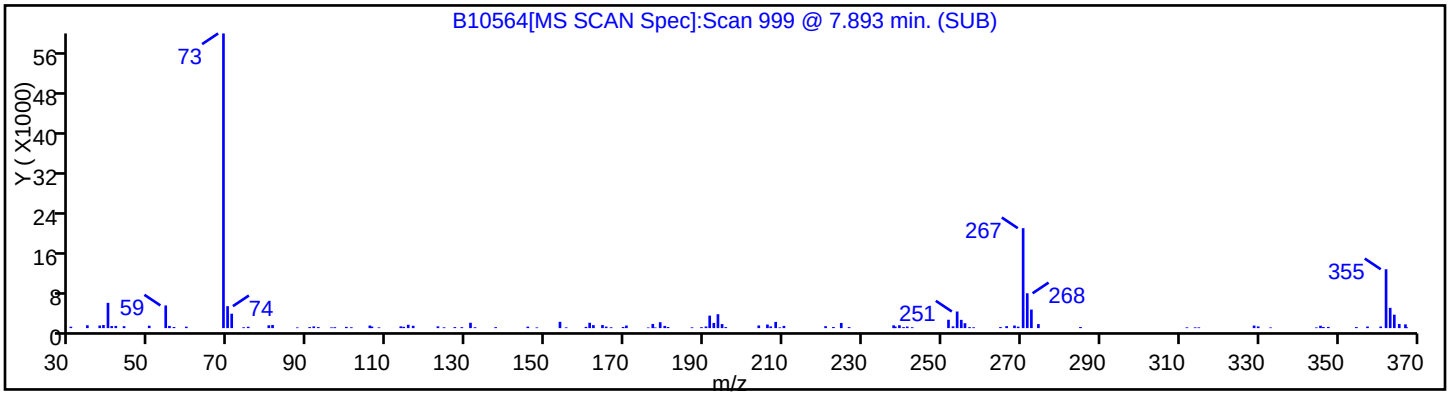
36 Benzoic acid



Report Date: 28-Sep-2009 07:19:25 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10564.D		
Inj Date:	26-Sep-2009 01:41:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49511	Lims Sample ID:	21
Client ID:		Instrument:	Inst. B
Sample Info:	mb 360-49041/1-a		
Sample Amount:	1.00 ul	Operator:	MZ

No Library Matches Found above the Threshold: 50



Report Date: 28-Sep-2009 07:19:25 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10564.D

Inj Date: 26-Sep-2009 01:41:30 Limit Group: SMS - 8270LL SVOA Calibration

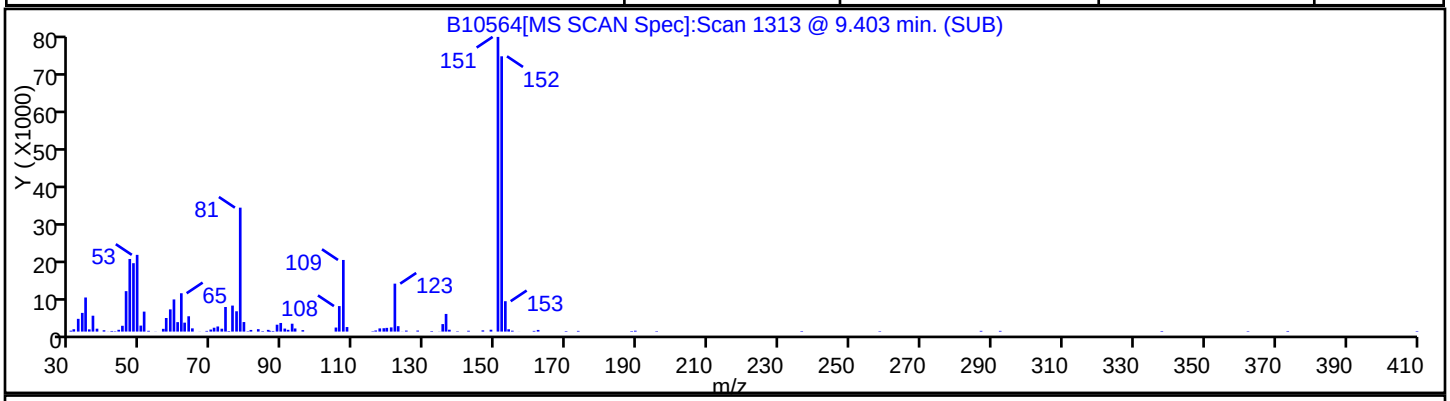
Lims Batch ID: 49511 Lims Sample ID: 21

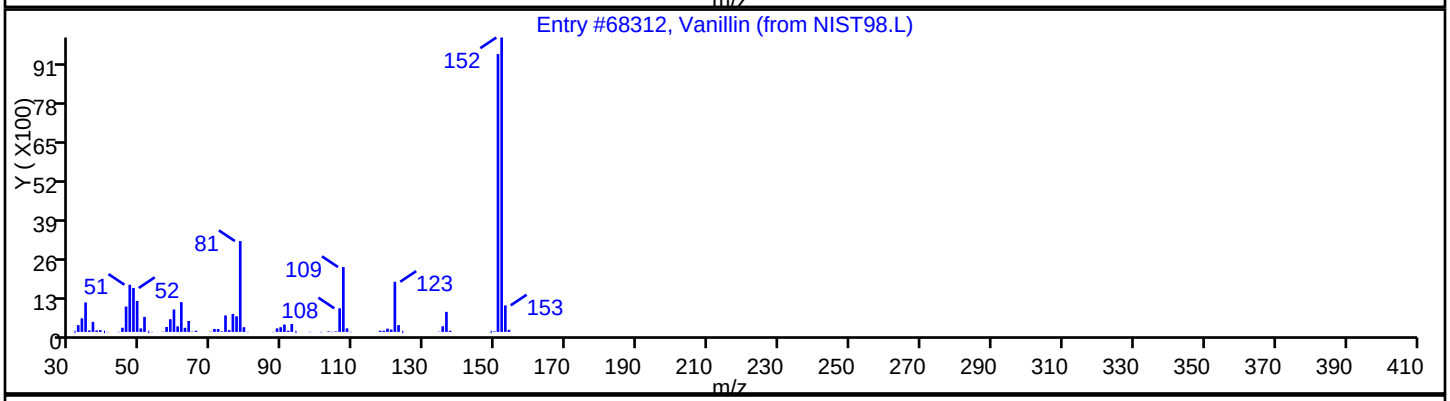
Client ID: Instrument: Inst. B

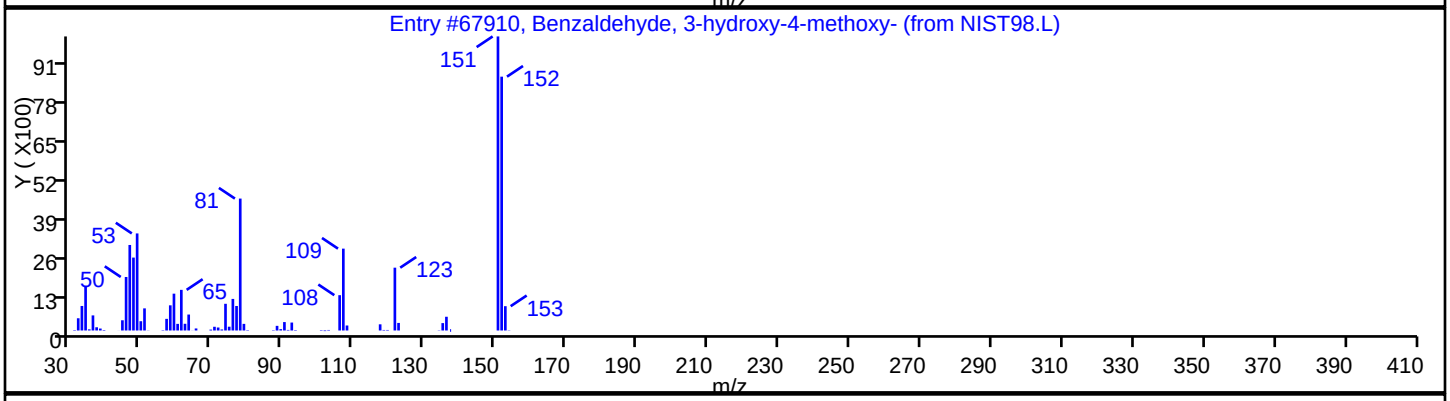
Sample Info: mb 360-49041/1-a

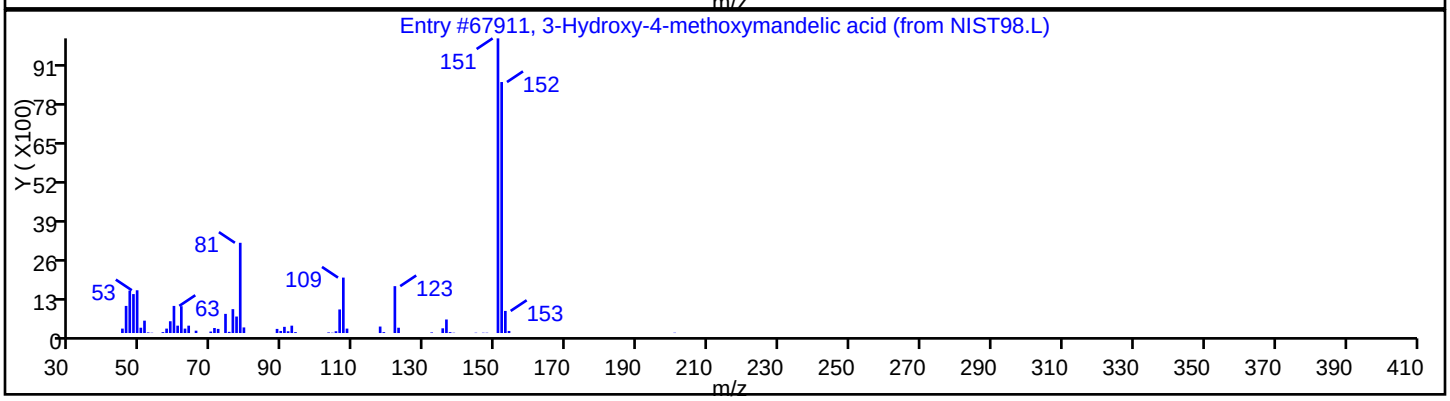
Sample Amount: 1.00 ul Operator: MZ

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	91
3-Hydroxy-4-methoxymandelic acid	3695-24-7	NIST98.L	67911	91









Report Date: 28-Sep-2009 07:19:25 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10564.D

Inj Date: 26-Sep-2009 01:41:30 Limit Group: SMS - 8270LL SVOA Calibration

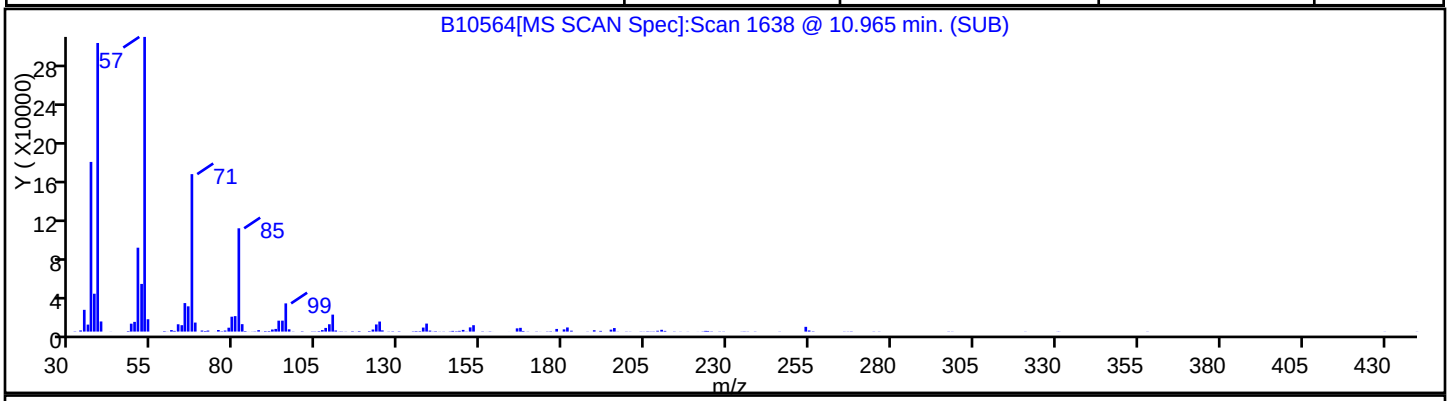
Lims Batch ID: 49511 Lims Sample ID: 21

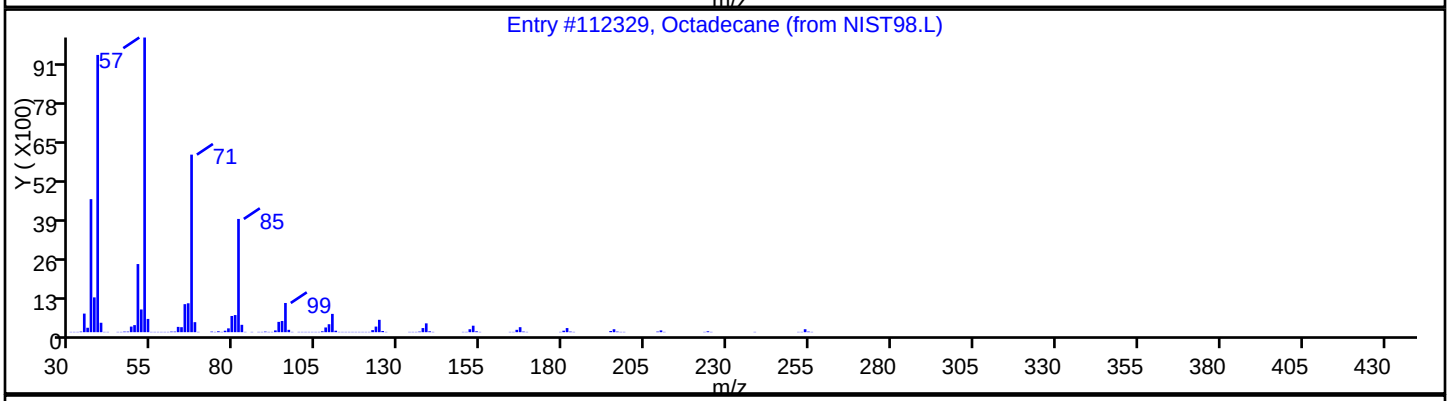
Client ID: Instrument: Inst. B

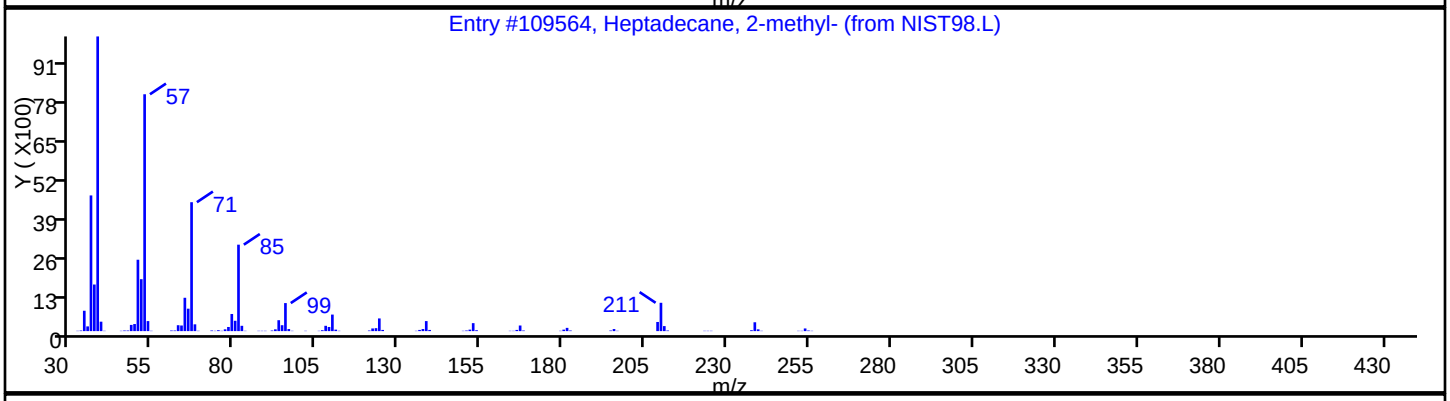
Sample Info: mb 360-49041/1-a

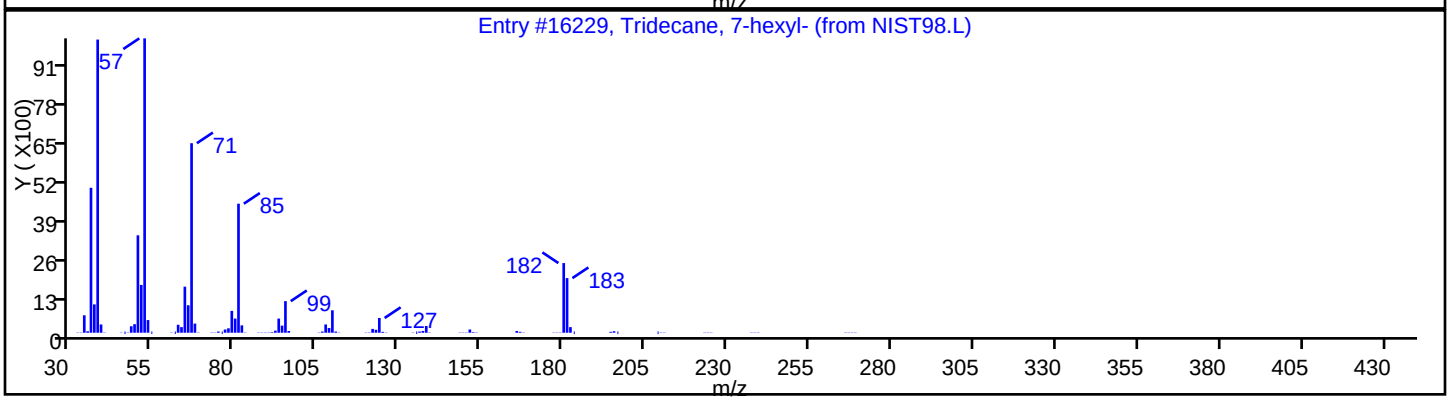
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane	593-45-3	NIST98.L	112329	98
Heptadecane, 2-methyl-	1560-89-0	NIST98.L	109564	93
Tridecane, 7-hexyl-	7225-66-3	NIST98.L	16229	91









Report Date: 28-Sep-2009 07:19:25 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10564.D

Inj Date: 26-Sep-2009 01:41:30 Limit Group: SMS - 8270LL SVOA Calibration

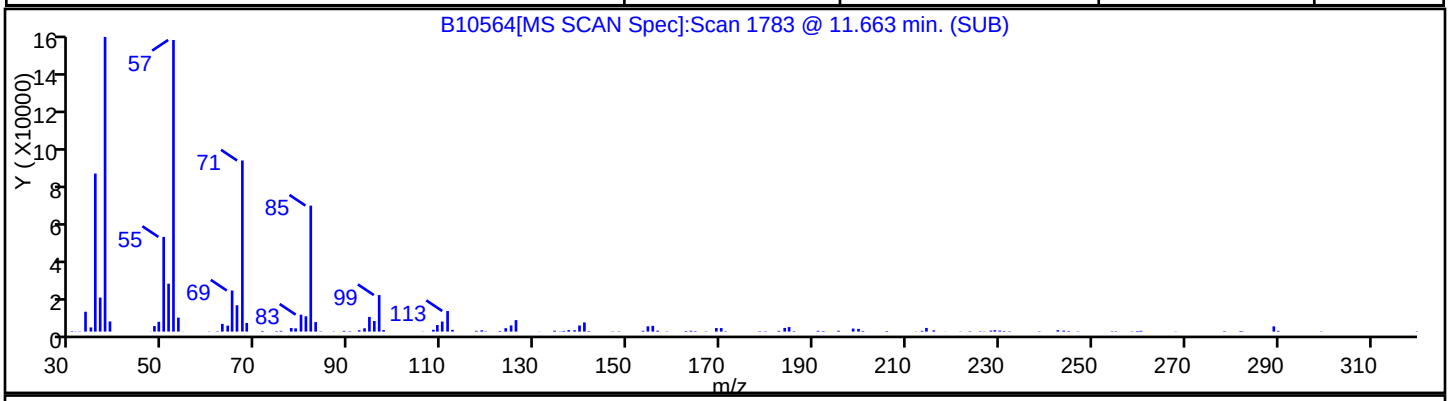
Lims Batch ID: 49511 Lims Sample ID: 21

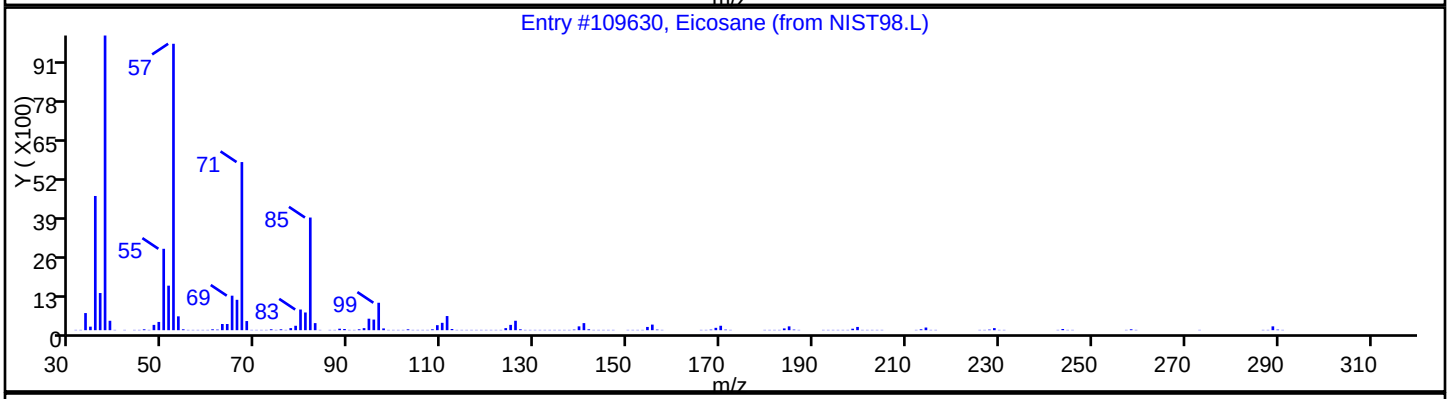
Client ID: Instrument: Inst. B

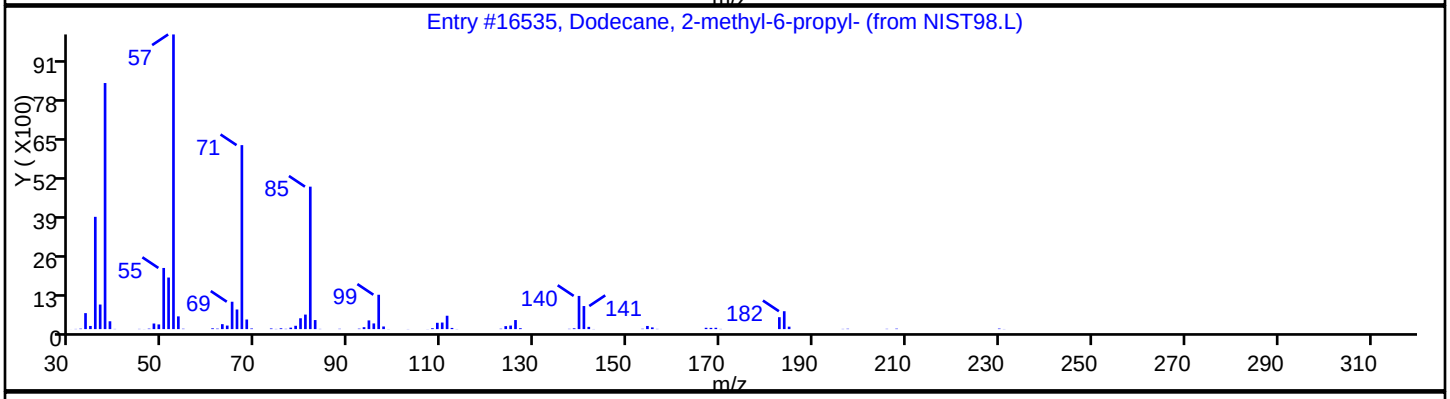
Sample Info: mb 360-49041/1-a

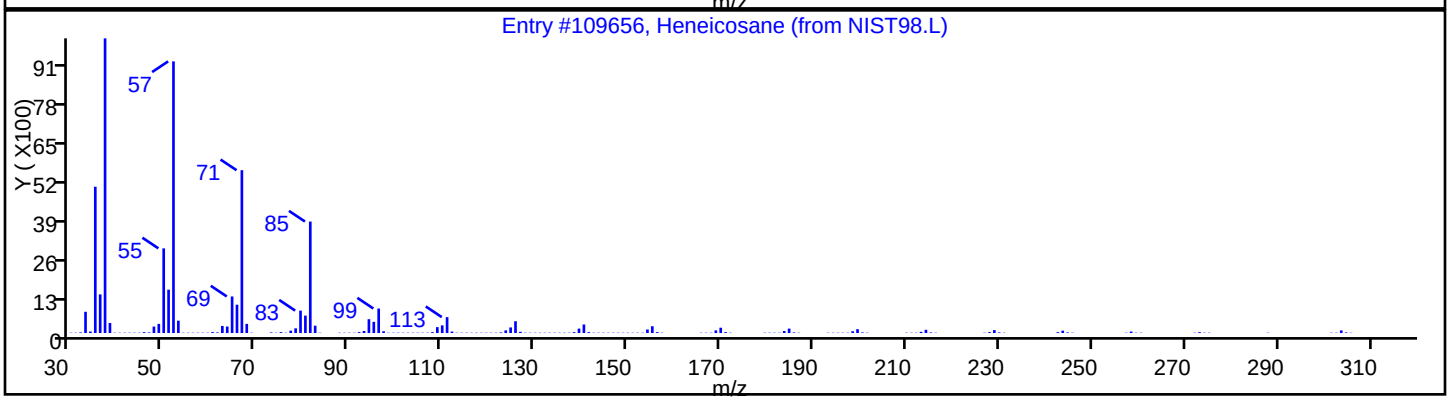
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane	112-95-8	NIST98.L	109630	99
Dodecane, 2-methyl-6-propyl-	55045-8-4	NIST98.L	16535	93
Heneicosane	629-94-7	NIST98.L	109656	91





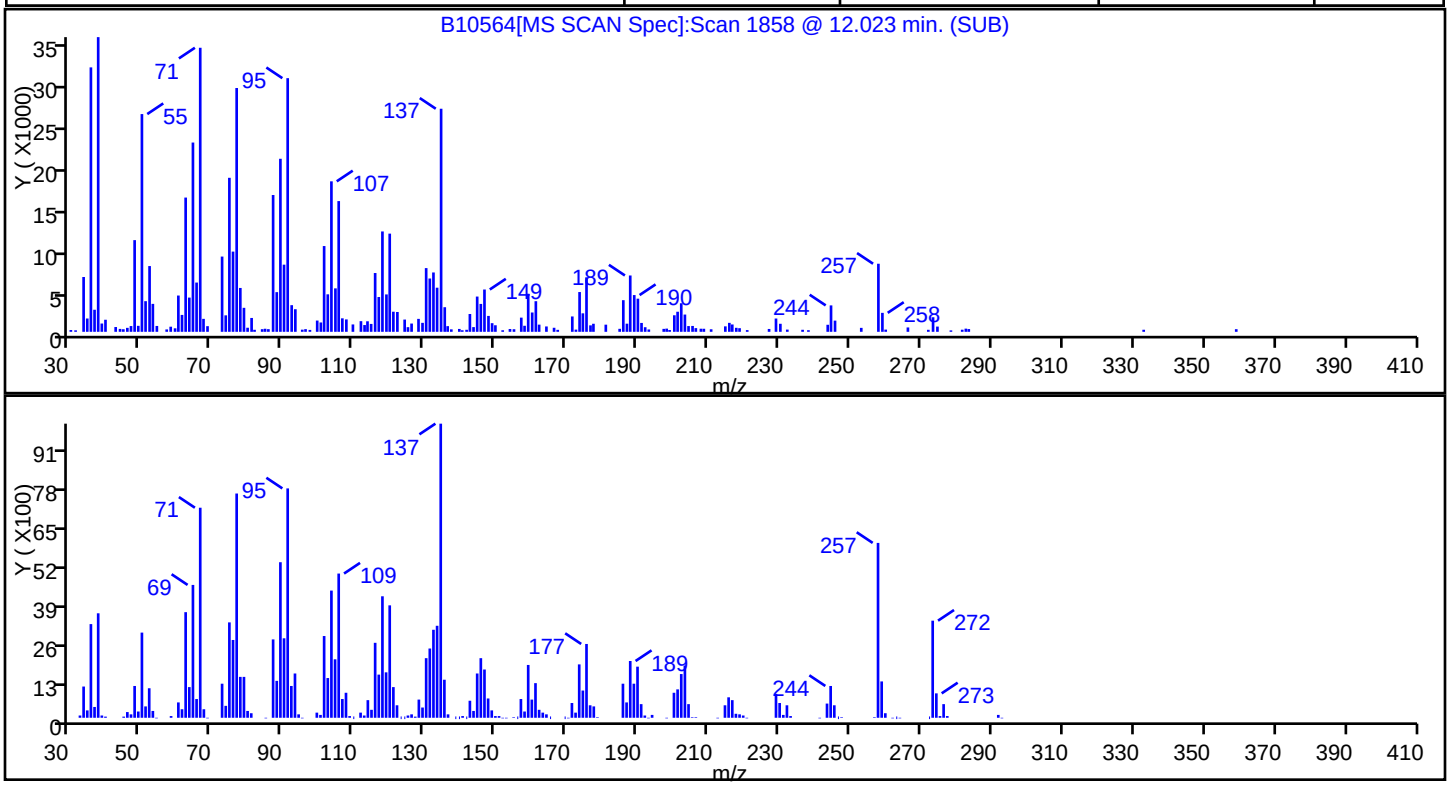




Report Date: 28-Sep-2009 07:19:25 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10564.D		
Inj Date:	26-Sep-2009 01:41:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49511	Lims Sample ID:	21
Client ID:		Instrument:	Inst. B
Sample Info:	mb 360-49041/1-a		
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	86



Report Date: 28-Sep-2009 07:19:25 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10564.D

Inj Date: 26-Sep-2009 01:41:30 Limit Group: SMS - 8270LL SVOA Calibration

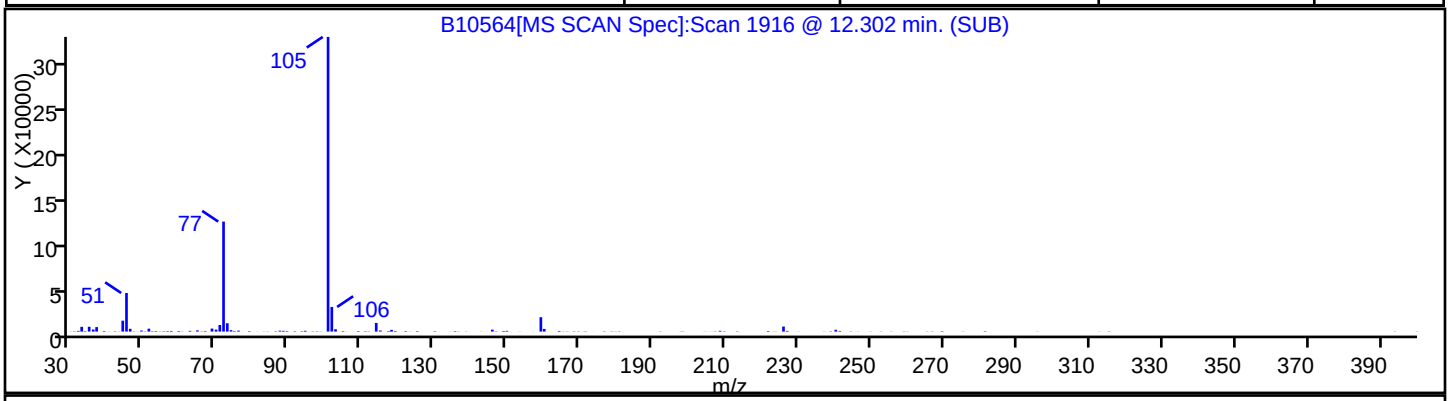
Lims Batch ID: 49511 Lims Sample ID: 21

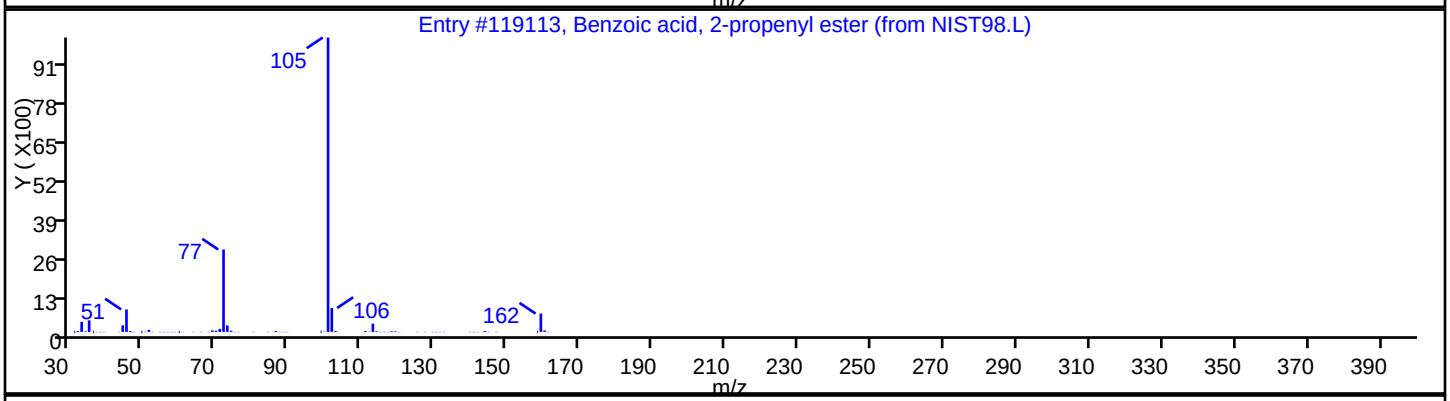
Client ID: Instrument: Inst. B

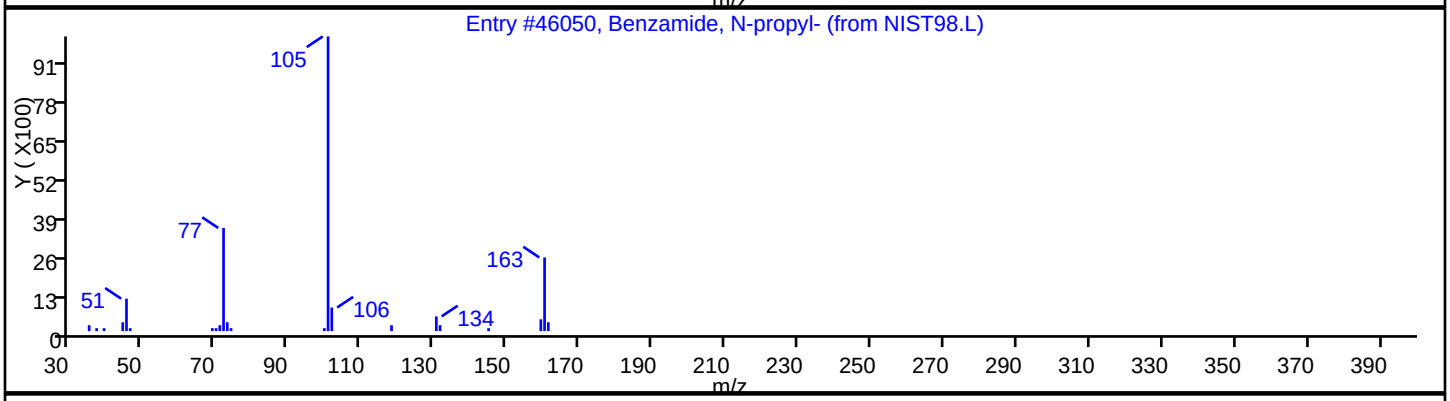
Sample Info: mb 360-49041/1-a

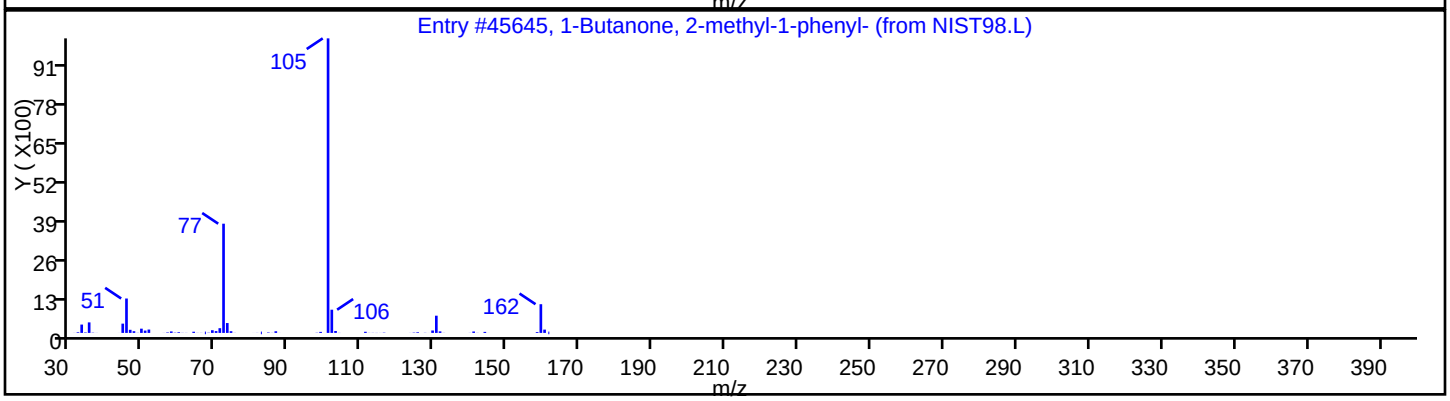
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzoic acid, 2-propenyl ester	583-4-0	NIST98.L	119113	86
Benzamide, N-propyl-	10546-70-0	NIST98.L	46050	78
1-Butanone, 2-methyl-1-phenyl-	938-87-4	NIST98.L	45645	78









Report Date: 28-Sep-2009 07:19:25 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10564.D

Inj Date: 26-Sep-2009 01:41:30 Limit Group: SMS - 8270LL SVOA Calibration

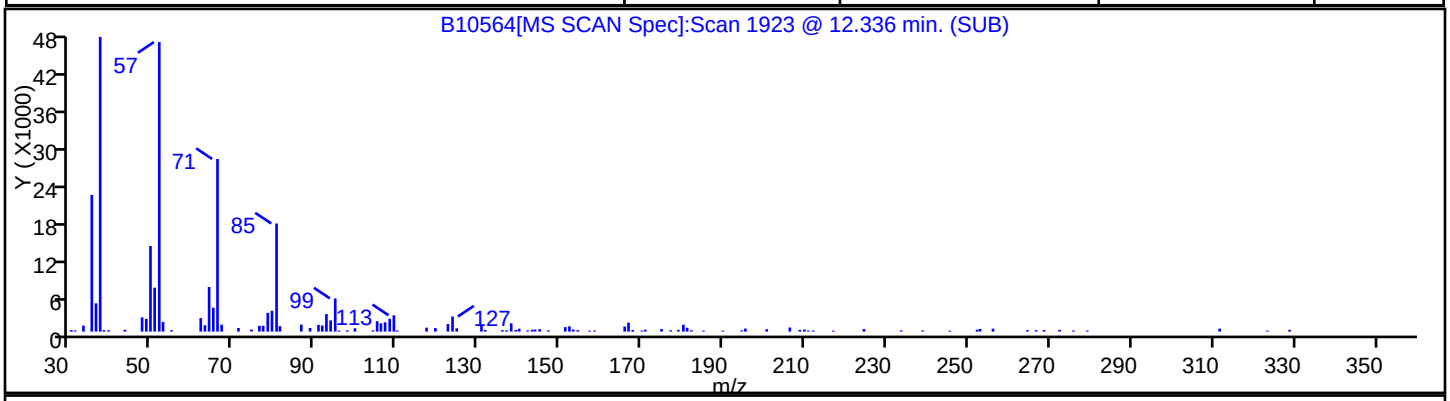
Lims Batch ID: 49511 Lims Sample ID: 21

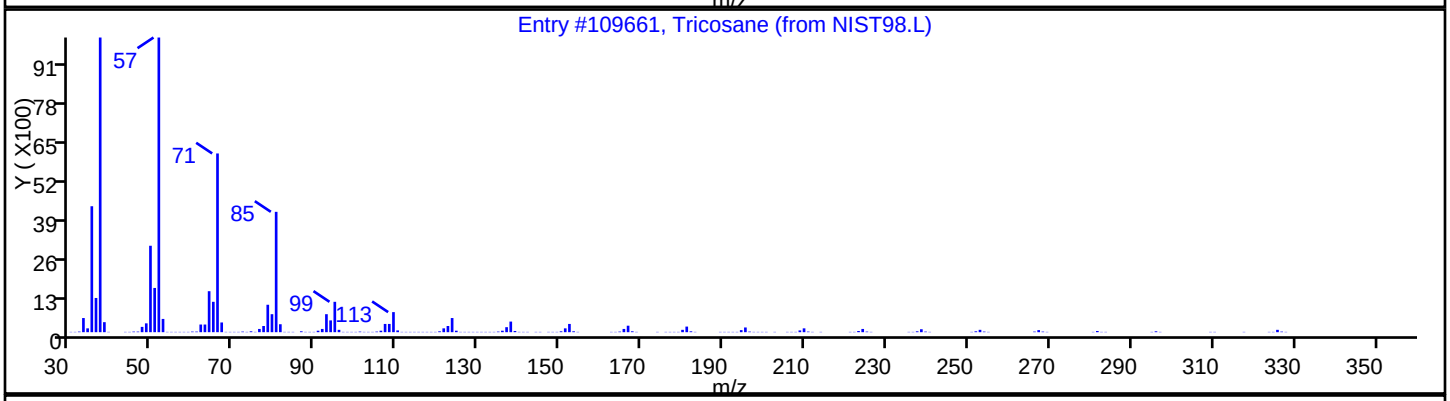
Client ID: Instrument: Inst. B

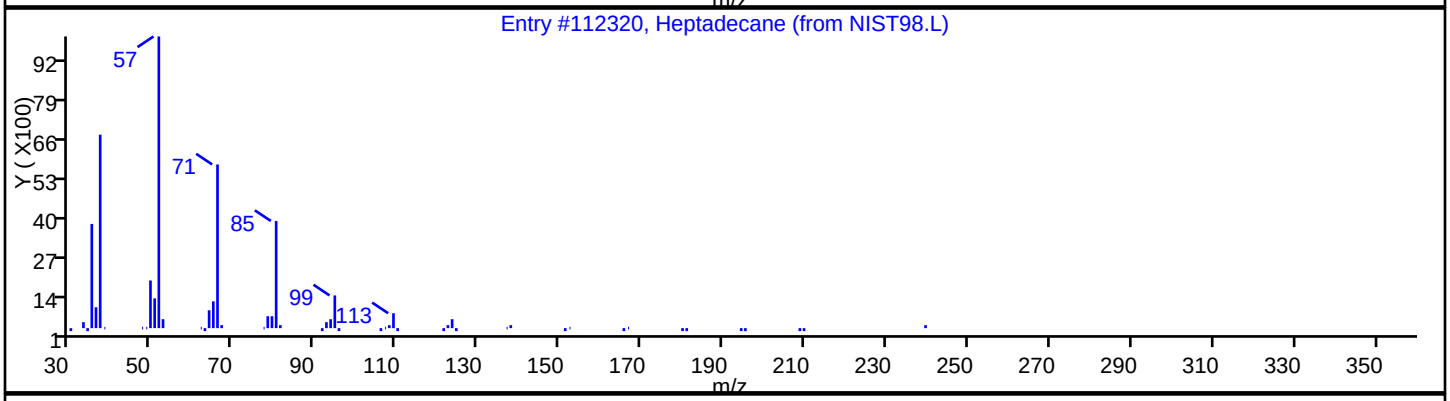
Sample Info: mb 360-49041/1-a

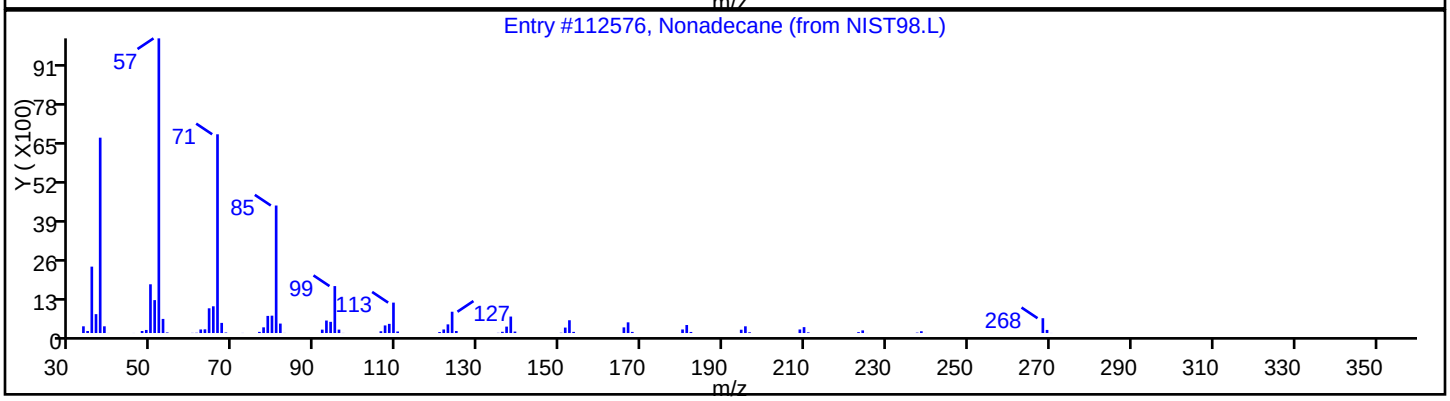
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tricosane	638-67-5	NIST98.L	109661	98
Heptadecane	629-78-7	NIST98.L	112320	96
Nonadecane	629-92-5	NIST98.L	112576	93









Report Date: 28-Sep-2009 07:19:25 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10564.D

Inj Date: 26-Sep-2009 01:41:30 Limit Group: SMS - 8270LL SVOA Calibration

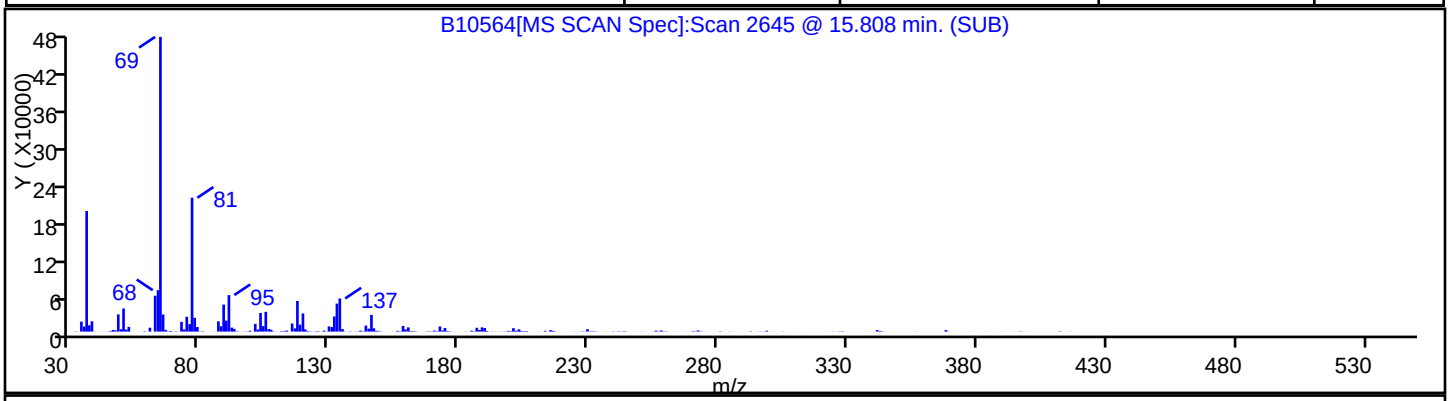
Lims Batch ID: 49511 Lims Sample ID: 21

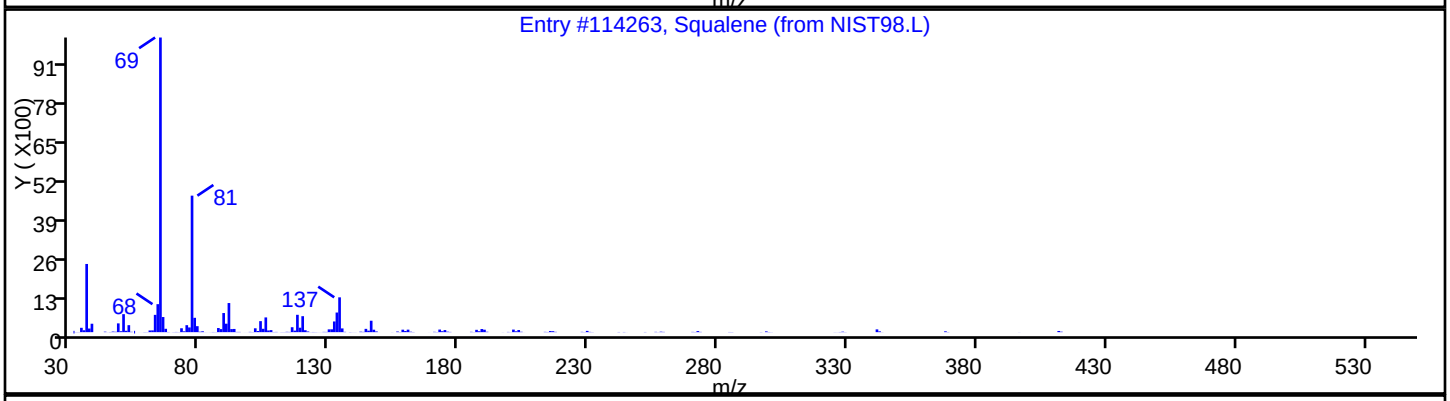
Client ID: Instrument: Inst. B

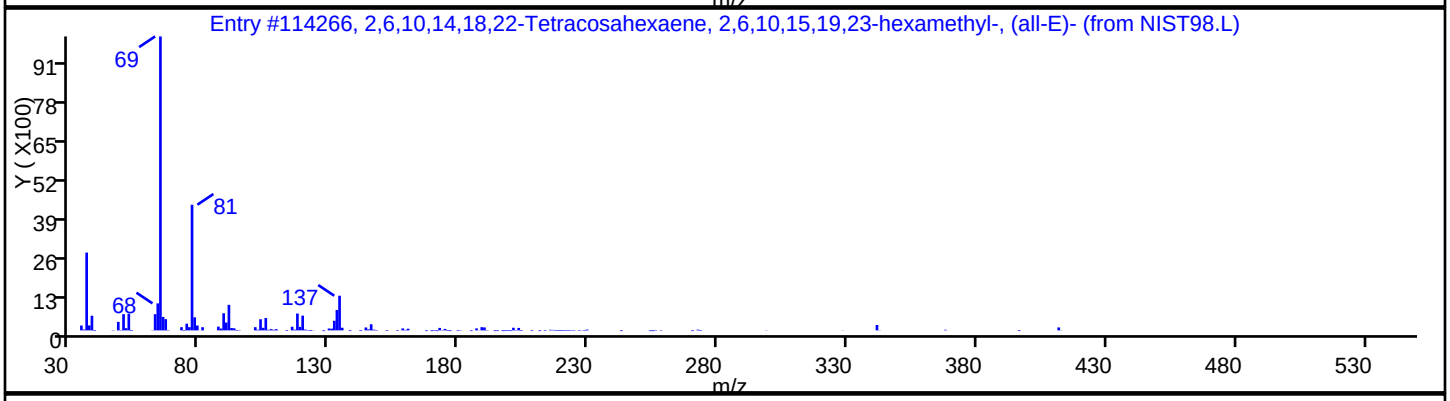
Sample Info: mb 360-49041/1-a

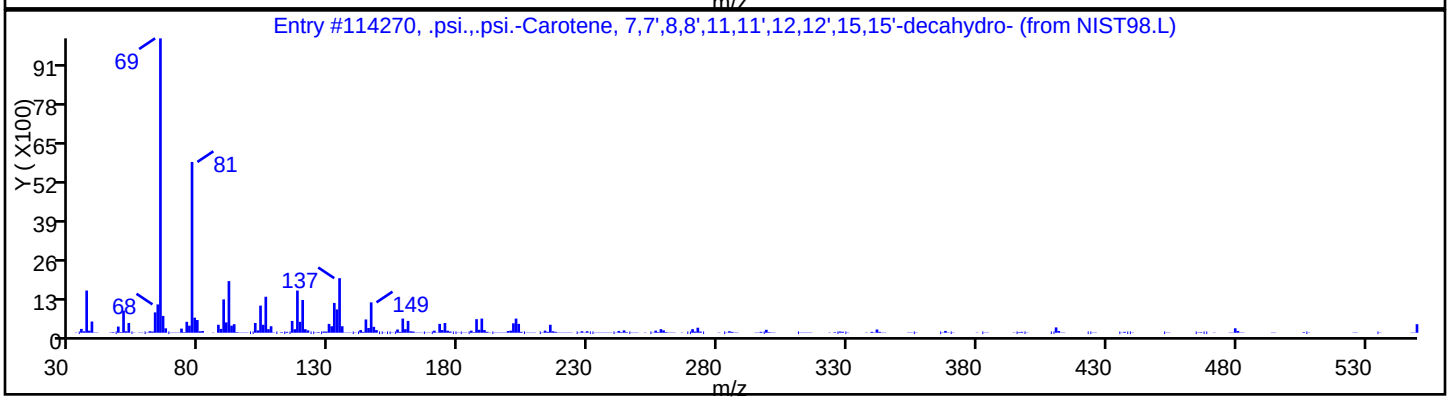
Sample Amount: 1.00 ul Operator: MZ

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	90
.psi.,.psi.-Carotene, 7,7',8,8',11,11',1	502-62-5	NIST98.L	114270	83









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: | Lab Sample ID: LCS 360-49016/2-A

Matrix: Solid | Lab File ID: B10487.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/16/2009 11:53

Sample wt/vol: 30.00(g) | Date Analyzed: 09/22/2009 21:14

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.: 49400 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	318		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	299		33	10
120-82-1	1,2,4-Trichlorobenzene	249		33	10
95-50-1	1,2-Dichlorobenzene	244		33	10
541-73-1	1,3-Dichlorobenzene	205		33	10
106-46-7	1,4-Dichlorobenzene	198		33	10
90-12-0	1-Methylnaphthalene	293		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	273		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	264		33	10
95-95-4	2,4,5-Trichlorophenol	297		33	10
88-06-2	2,4,6-Trichlorophenol	303		33	10
120-83-2	2,4-Dichlorophenol	272		33	10
105-67-9	2,4-Dimethylphenol	267		33	13
51-28-5	2,4-Dinitrophenol	238		33	10
121-14-2	2,4-Dinitrotoluene	297		33	10
606-20-2	2,6-Dinitrotoluene	306		33	10
91-58-7	2-Chloronaphthalene	242		33	10
95-57-8	2-Chlorophenol	233		33	10
91-57-6	2-Methylnaphthalene	231		33	10
95-48-7	2-Methylphenol	242		33	20
88-74-4	2-Nitroaniline	353		170	10
88-75-5	2-Nitrophenol	289		33	10
15831-10-4	3 & 4 Methylphenol	258		33	10
91-94-1	3,3'-Dichlorobenzidine	323		67	10
99-09-2	3-Nitroaniline	316		170	10
534-52-1	4,6-Dinitro-2-methylphenol	315		170	10
101-55-3	4-Bromophenyl phenyl ether	334		33	10
59-50-7	4-Chloro-3-methylphenol	287		67	10
106-47-8	4-Chloroaniline	211		67	10
7005-72-3	4-Chlorophenyl phenyl ether	317		33	10
100-01-6	4-Nitroaniline	312		170	10
100-02-7	4-Nitrophenol	337		170	10
83-32-9	Acenaphthene	350		33	10
208-96-8	Acenaphthylene	303		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: | Lab Sample ID: LCS 360-49016/2-A

Matrix: Solid | Lab File ID: B10487.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/16/2009 11:53

Sample wt/vol: 30.00(g) | Date Analyzed: 09/22/2009 21:14

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.: 49400 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	233		33	10
62-53-3	Aniline	95.6		33	10
120-12-7	Anthracene	387		33	10
1912-24-9	Atrazine	402		33	10
103-33-3	Azobenzene	333		33	10
100-52-7	Benzaldehyde	262		33	10
56-55-3	Benzo[a]anthracene	397		33	10
50-32-8	Benzo[a]pyrene	413		33	10
205-99-2	Benzo[b]fluoranthene	351		33	10
191-24-2	Benzo[g,h,i]perylene	382		33	10
207-08-9	Benzo[k]fluoranthene	387		33	10
65-85-0	Benzoic acid	171		170	15
119-61-9	Benzophenone	347		33	10
100-51-6	Benzyl alcohol	268		67	28
111-91-1	Bis(2-chloroethoxy)methane	233		33	10
111-44-4	Bis(2-chloroethyl)ether	210		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	472		33	10
85-68-7	Butyl benzyl phthalate	319		33	10
105-60-2	Caprolactam	364		33	10
86-74-8	Carbazole	357		33	10
218-01-9	Chrysene	378		33	10
53-70-3	Dibenz(a,h)anthracene	425		33	10
132-64-9	Dibenzofuran	305		33	10
84-66-2	Diethyl phthalate	327		33	10
131-11-3	Dimethyl phthalate	319		33	10
84-74-2	Di-n-butyl phthalate	395		33	29
117-84-0	Di-n-octyl phthalate	318		33	17
101-84-8	Diphenyl oxide	258		33	10
206-44-0	Fluoranthene	357		33	10
86-73-7	Fluorene	374		33	10
118-74-1	Hexachlorobenzene	322		33	10
87-68-3	Hexachlorobutadiene	263		33	10
77-47-4	Hexachlorocyclopentadiene	231		67	10
67-72-1	Hexachloroethane	205		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: | Lab Sample ID: LCS 360-49016/2-A

Matrix: Solid | Lab File ID: B10487.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/16/2009 11:53

Sample wt/vol: 30.00(g) | Date Analyzed: 09/22/2009 21:14

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.: 49400 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	421		33	10
78-59-1	Isophorone	213		33	10
91-20-3	Naphthalene	274		80	10
98-95-3	Nitrobenzene	233		33	10
62-75-9	N-Nitrosodimethylamine	248		33	12
621-64-7	N-Nitrosodi-n-propylamine	255		33	10
86-30-6	N-Nitrosodiphenylamine	232		33	10
87-86-5	Pentachlorophenol	312		33	10
85-01-8	Phenanthrene	341		40	10
108-95-2	Phenol	240		33	10
129-00-0	Pyrene	353		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	86	30-130	
321-60-8	2-Fluorobiphenyl	81	30-130	
367-12-4	2-Fluorophenol	78	30-130	
4165-60-0	Nitrobenzene-d5	64	30-130	
4165-62-2	Phenol-d5	67	30-130	
1718-51-0	Terphenyl-d14	82	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10487.D		
Lims ID:	LCS 360-49016/2-A	Client ID:	
Inject. Date:	22-Sep-2009 21:14:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	lcs 360-49016/2-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	49400	Lims Sample ID:	13
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	24-Sep-2009 11:54:27	Calib Date:	22-Sep-2009 19:41:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:54:27

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	7.695	7.691	0.004	395203	2.00	
* 2 Naphthalene-d8	136	8.820	8.821	-0.001	1010899	2.00	
* 3 Acenaphthene-d10	164	10.321	10.321	0.000	345979	2.00	
* 4 Phenanthrene-d10	188	11.585	11.581	0.004	577405	2.00	
* 5 Chrysene-d12	240	14.999	14.990	0.009	452680	2.00	
* 6 Perylene-d12	264	17.385	17.385	0.000	347129	2.00	
$ 7 2-Fluorophenol	112	6.445	6.407	0.038	759766	7.81	
$ 8 Phenol-d5	99	7.334	7.320	0.014	913533	6.74	
$ 9 Nitrobenzene-d5	82	8.185	8.186	-0.001	414582	3.20	
$ 10 2-Fluorobiphenyl	172	9.719	9.720	-0.001	929279	4.04	
$ 11 2,4,6-Tribromophenol	330	10.989	10.985	0.004	183190	8.62	
$ 12 Terphenyl-d14	244	13.110	13.110	0.000	756912	4.12	
14 1,4-Dioxane	88	4.319	4.307	0.012	341		
15 N-Nitrosodimethylamine	42	4.680	4.613	0.067	552307	7.43	
16 Pyridine	79	4.738	4.637	0.101	549299	6.18	
17 Benzaldehyde	105	7.296	7.296	0.000	586015	7.86	
18 Phenol	94	7.344	7.330	0.014	1022702	7.19	
19 Aniline	93	7.392	7.388	0.004	477129	2.87	
20 Bis(2-chloroethyl)ether	93	7.435	7.431	0.004	714361	6.30	
21 2-Chlorophenol	128	7.507	7.498	0.009	841712	6.98	
22 1,4-Dichlorobenzene	146	7.647	7.642	0.005	895481	5.95	
23 1,3-Dichlorobenzene	146	7.709	7.705	0.004	943425	6.15	
24 Benzyl alcohol	79	7.806	7.796	0.010	735624	8.04	
25 1,2-Dichlorobenzene	146	7.854	7.849	0.005	882789	7.32	
26 2-Methylphenol	108	7.892	7.883	0.009	797676	7.25	
27 2,2'-oxybis[1-chloropropane]	45	7.916	7.912	0.004	1371543	8.18	
28 3 & 4 Methylphenol	108	8.017	8.013	0.004	880459	7.75	
29 N-Nitrosodi-n-propylamine	70	8.032	8.027	0.005	585828	7.66	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	8.041	8.042	-0.001	1142050	6.98	
31 Hexachloroethane	117	8.157	8.152	0.005	328097	6.16	
32 Nitrobenzene	77	8.205	8.200	0.005	889787	6.98	
33 Isophorone	82	8.402	8.397	0.005	1330321	6.38	
34 2-Nitrophenol	139	8.479	8.479	0.000	492520	8.67	
35 2,4-Dimethylphenol	107	8.484	8.479	0.005	948395	8.00	
36 Benzoic acid	105	8.527	8.513	0.014	120958	5.12	
37 Bis(2-chloroethoxy)methane	93	8.565	8.561	0.004	903507	6.98	
38 2,4-Dichlorophenol	162	8.686	8.681	0.005	784740	8.15	
39 1,2,4-Trichlorobenzene	180	8.762	8.763	-0.001	733811	7.46	
40 Alpha-Terpineol	59	8.815	8.811	0.004	735761	6.82	
41 Naphthalene	128	8.839	8.840	-0.001	2494633	8.23	
42 4-Chloroaniline	127	8.863	8.864	-0.001	914623	6.32	
43 Hexachlorobutadiene	225	8.926	8.926	0.000	385102	7.90	
44 Caprolactam	55	9.162	9.143	0.019	452037	10.9	
45 4-Chloro-3-methylphenol	107	9.253	9.249	0.004	826030	8.60	
46 2-Methylnaphthalene	142	9.426	9.426	0.000	1747168	6.94	
47 1-Methylnaphthalene	142	9.513	9.513	0.000	1762928	8.79	
48 Hexachlorocyclopentadiene	237	9.556	9.556	0.000	249804	6.92	
49 1,2,4,5-Tetrachlorobenzene	216	9.570	9.566	0.004	731376	8.97	
50 2,4,6-Trichlorophenol	196	9.652	9.653	0.000	533893	9.10	
51 2,4,5-Trichlorophenol	196	9.691	9.686	0.005	551374	8.90	
52 1,1'-Biphenyl	154	9.811	9.811	0.000	2291050	9.53	
53 2-Chloronaphthalene	162	9.849	9.845	0.004	1644590	7.26	
54 Phenyl ether	170	9.893	9.893	0.000	1218719	7.73	
68 4-Nitroaniline	138	9.917	9.912	0.005	641868	9.36	
56 Dimethyl phthalate	163	10.037	10.032	0.005	2026978	9.56	
57 2,6-Dinitrotoluene	165	10.104	10.100	0.004	463980	9.18	
58 Acenaphthylene	152	10.205	10.206	-0.001	2631994	9.10	
59 3-Nitroaniline	138	10.258	10.254	0.004	477521	9.47	
60 2,4-Dinitrophenol	184	10.340	10.340	0.000	97565	7.15	
61 Acenaphthene	153	10.349	10.350	-0.001	2123141	10.5	
62 4-Nitrophenol	109	10.359	10.355	0.004	306194	10.1	
63 2,4-Dinitrotoluene	165	10.446	10.446	0.000	615428	8.91	
64 Dibenzofuran	168	10.494	10.489	0.005	2417346	9.14	
65 2,3,4,6-Tetrachlorophenol	232	10.585	10.581	0.004	352245	7.91	
66 Diethyl phthalate	149	10.619	10.619	0.000	2156260	9.80	
67 4-Chlorophenyl phenyl ether	204	10.753	10.754	-0.001	929154	9.50	
55 2-Nitroaniline	65	10.777	10.773	0.004	620254	10.6	
69 Fluorene	166	10.782	10.783	-0.001	2490591	11.2	
70 4,6-Dinitro-2-methylphenol	198	10.797	10.792	0.005	230908	9.44	
72 N-Nitrosodiphenylamine	169	10.849	10.845	0.004	1297976	6.97	
73 1,2-Diphenylhydrazine	77	10.893	10.888	0.005	3355550	9.98	
74 Azobenzene	77	10.893	10.888	0.005	3355550	9.98	
13 Benzophenone	105	10.902	10.898	0.004	2120510	10.4	
75 4-Bromophenyl phenyl ether	248	11.172	11.172	0.000	521205	10.0	
76 Hexachlorobenzene	284	11.258	11.254	0.004	482249	9.67	
77 Atrazine	200	11.268	11.263	0.005	641672	12.1	
78 Pentachlorophenol	266	11.412	11.408	0.004	243591	9.35	
79 Pentachloronitrobenzene	237	11.422	11.417	0.005	240816	9.45	
80 Phenanthrene	178	11.604	11.605	-0.001	3059334	10.2	
81 Anthracene	178	11.648	11.648	0.000	3244948	11.6	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.763	11.764	-0.001	2519960	10.7	
84 Di-n-butyl phthalate	149	11.984	11.985	-0.001	4256740	11.8	
87 Fluoranthene	202	12.715	12.711	0.004	2817988	10.7	
86 Benzidine	184	12.811	12.812	-0.001	22876	1.15	
85 Pyrene	202	12.989	12.990	-0.001	3238663	10.6	
89 Butyl benzyl phthalate	149	13.768	13.769	-0.001	1498028	9.57	
91 3,3'-Dichlorobenzidine	252	14.879	14.865	0.014	639914	9.69	
92 Bis(2-ethylhexyl) phthalate	149	14.884	14.880	0.004	3193714	14.1	
93 Benzo[a]anthracene	228	14.975	14.971	0.004	2361628	11.9	
94 Chrysene	228	15.057	15.043	0.014	2209916	11.3	
95 Di-n-octyl phthalate	149	16.024	16.024	0.000	3475239	9.53	
97 Benzo[b]fluoranthene	252	16.731	16.721	0.010	2051098	10.5	
98 Benzo[k]fluoranthene	252	16.774	16.770	0.004	2067442	11.6	
99 Benzo[a]pyrene	252	17.288	17.284	0.004	1798641	12.4	
100 Indeno[1,2,3-cd]pyrene	276	19.611	19.602	0.009	1611420	12.6	
101 Dibenz(a,h)anthracene	278	19.635	19.626	0.009	1294662	12.7	
102 Benzo[g,h,i]perylene	276	20.284	20.270	0.014	1338146	11.5	

Report Date: 24-Sep-2009 11:54:28 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10487.D

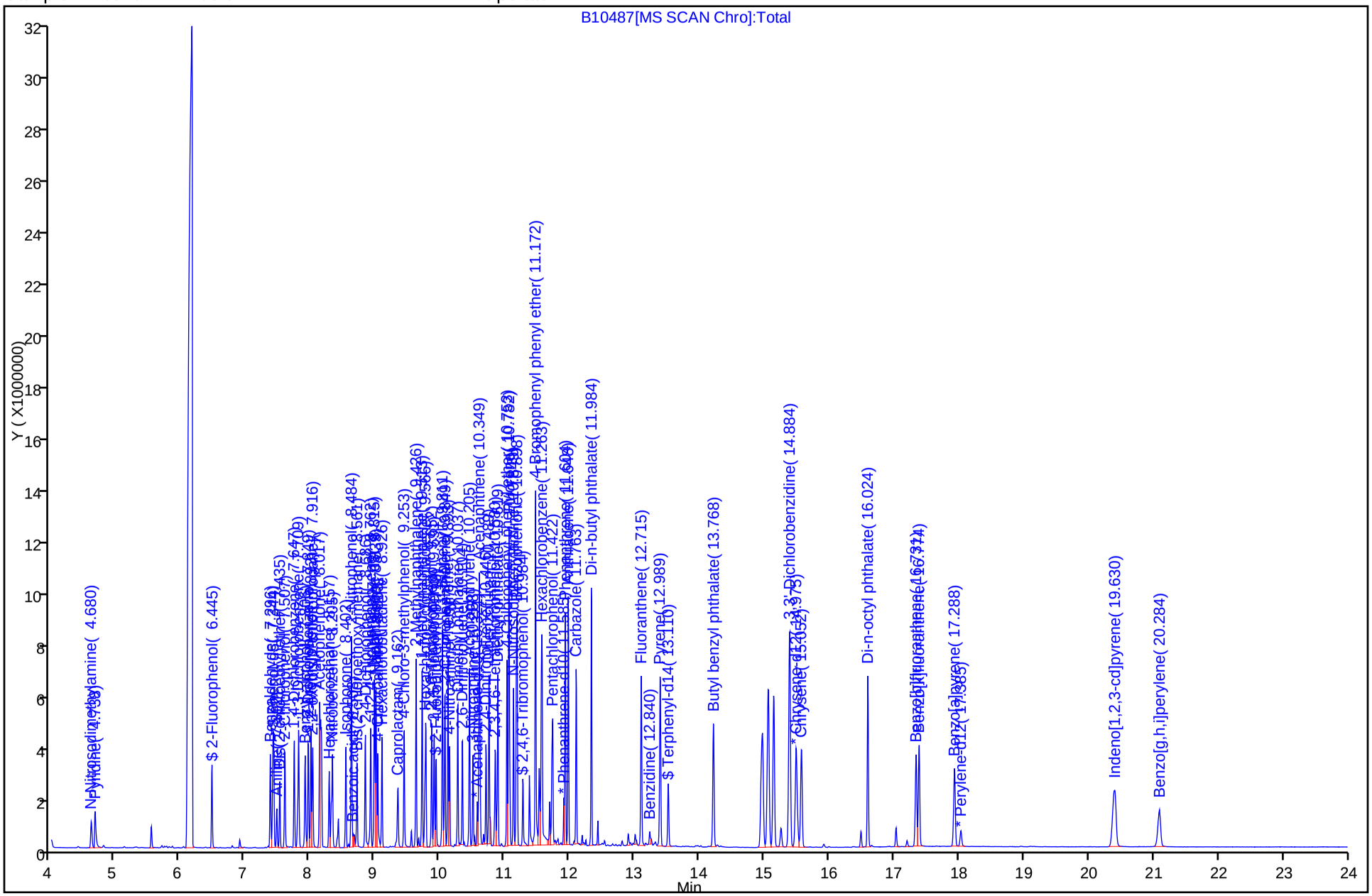
Inj Date: 22-Sep-2009 21:14:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49400 Lims Sample ID: 13

Client ID: Instrument: Inst. B

Sample Info: lcs 360-49016/2-a

Sample Amount: 1.00 ul Operator: MZ



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: | Lab Sample ID: LCS 360-49041/2-A

Matrix: Solid | Lab File ID: B10565.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/16/2009 15:13

Sample wt/vol: 30.00(g) | Date Analyzed: 09/26/2009 02:09

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.: 49511 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	286		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	221		33	10
120-82-1	1,2,4-Trichlorobenzene	228		33	10
95-50-1	1,2-Dichlorobenzene	195		33	10
541-73-1	1,3-Dichlorobenzene	194		33	10
106-46-7	1,4-Dichlorobenzene	194		33	10
90-12-0	1-Methylnaphthalene	225		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	210		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	241		33	10
95-95-4	2,4,5-Trichlorophenol	262		33	10
88-06-2	2,4,6-Trichlorophenol	300		33	10
120-83-2	2,4-Dichlorophenol	264		33	10
105-67-9	2,4-Dimethylphenol	248		33	13
51-28-5	2,4-Dinitrophenol	167		33	10
121-14-2	2,4-Dinitrotoluene	252		33	10
606-20-2	2,6-Dinitrotoluene	270		33	10
91-58-7	2-Chloronaphthalene	211		33	10
95-57-8	2-Chlorophenol	218		33	10
91-57-6	2-Methylnaphthalene	208		33	10
95-48-7	2-Methylphenol	235		33	20
88-74-4	2-Nitroaniline	307		170	10
88-75-5	2-Nitrophenol	257		33	10
15831-10-4	3 & 4 Methylphenol	249		33	10
91-94-1	3,3'-Dichlorobenzidine	288		67	10
99-09-2	3-Nitroaniline	269		170	10
534-52-1	4,6-Dinitro-2-methylphenol	234		170	10
101-55-3	4-Bromophenyl phenyl ether	288		33	10
59-50-7	4-Chloro-3-methylphenol	278		67	10
106-47-8	4-Chloroaniline	173		67	10
7005-72-3	4-Chlorophenyl phenyl ether	268		33	10
100-01-6	4-Nitroaniline	273		170	10
100-02-7	4-Nitrophenol	293		170	10
83-32-9	Acenaphthene	299		33	10
208-96-8	Acenaphthylene	264		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: | Lab Sample ID: LCS 360-49041/2-A

Matrix: Solid | Lab File ID: B10565.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/16/2009 15:13

Sample wt/vol: 30.00(g) | Date Analyzed: 09/26/2009 02:09

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.: 49511 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	230		33	10
62-53-3	Aniline	89.9		33	10
120-12-7	Anthracene	340		33	10
1912-24-9	Atrazine	379		33	10
103-33-3	Azobenzene	297		33	10
100-52-7	Benzaldehyde	257		33	10
56-55-3	Benzo[a]anthracene	360		33	10
50-32-8	Benzo[a]pyrene	325		33	10
205-99-2	Benzo[b]fluoranthene	317		33	10
191-24-2	Benzo[g,h,i]perylene	348		33	10
207-08-9	Benzo[k]fluoranthene	343		33	10
65-85-0	Benzoic acid	143	J	170	15
119-61-9	Benzophenone	329		33	10
100-51-6	Benzyl alcohol	244		67	28
111-91-1	Bis(2-chloroethoxy)methane	212		33	10
111-44-4	Bis(2-chloroethyl)ether	202		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	530		33	10
85-68-7	Butyl benzyl phthalate	321		33	10
105-60-2	Caprolactam	299		33	10
86-74-8	Carbazole	326		33	10
218-01-9	Chrysene	339		33	10
53-70-3	Dibenz(a,h)anthracene	345		33	10
132-64-9	Dibenzofuran	262		33	10
84-66-2	Diethyl phthalate	285		33	10
131-11-3	Dimethyl phthalate	280		33	10
84-74-2	Di-n-butyl phthalate	355		33	29
117-84-0	Di-n-octyl phthalate	271		33	17
101-84-8	Diphenyl oxide	240		33	10
206-44-0	Fluoranthene	320		33	10
86-73-7	Fluorene	327		33	10
118-74-1	Hexachlorobenzene	290		33	10
87-68-3	Hexachlorobutadiene	202		33	10
77-47-4	Hexachlorocyclopentadiene	201		67	10
67-72-1	Hexachloroethane	205		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: | Lab Sample ID: LCS 360-49041/2-A

Matrix: Solid | Lab File ID: B10565.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/16/2009 15:13

Sample wt/vol: 30.00(g) | Date Analyzed: 09/26/2009 02:09

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.: 49511 | 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	198		33	10
91-20-3	Naphthalene	204		80	10
98-95-3	Nitrobenzene	211		33	10
62-75-9	N-Nitrosodimethylamine	232		33	12
621-64-7	N-Nitrosodi-n-propylamine	233		33	10
86-30-6	N-Nitrosodiphenylamine	211		33	10
87-86-5	Pentachlorophenol	271		33	10
85-01-8	Phenanthrene	316		40	10
108-95-2	Phenol	232		33	10
129-00-0	Pyrene	307		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	81	30-130	
321-60-8	2-Fluorobiphenyl	75	30-130	
367-12-4	2-Fluorophenol	71	30-130	
4165-60-0	Nitrobenzene-d5	60	30-130	
4165-62-2	Phenol-d5	68	30-130	
1718-51-0	Terphenyl-d14	77	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10565.D		
Lims ID:	LCS 360-49041/2-A	Client ID:	
Inject. Date:	26-Sep-2009 02:09:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	lcs 360-49041/2-a		
Misc. Info.:	360-0001300-022		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	21
Lims Batch ID:	49511	Lims Sample ID:	22
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:17:37	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:46:15
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:19:34

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	7.257	7.254	0.003	498405	2.00	
* 2 Naphthalene-d8	136	8.387	8.389	-0.002	1238298	2.00	
* 3 Acenaphthene-d10	164	9.882	9.879	0.003	422471	2.00	
* 4 Phenanthrene-d10	188	11.137	11.134	0.003	671081	2.00	
* 5 Chrysene-d12	240	14.051	14.044	0.007	553097	2.00	
* 6 Perylene-d12	264	16.533	16.530	0.003	390231	2.00	
$ 7 2-Fluorophenol	112	5.987	5.941	0.046	921467	7.10	
$ 8 Phenol-d5	99	6.910	6.898	0.012	1119258	6.79	
$ 9 Nitrobenzene-d5	82	7.757	7.754	0.003	500787	2.99	
$ 10 2-Fluorobiphenyl	172	9.291	9.293	-0.002	1041271	3.73	
$ 11 2,4,6-Tribromophenol	330	10.546	10.543	0.003	206857	8.06	
$ 12 Terphenyl-d14	244	12.517	12.519	-0.002	822442	3.84	
14 1,4-Dioxane	88	3.357	3.137	0.220	186197	4.70	M
15 N-Nitrosodimethylamine	42	3.972	3.806	0.166	667068	6.96	M
16 Pyridine	79	4.030	3.820	0.210	599343	5.43	M
17 Benzaldehyde	105	6.848	6.850	-0.002	696857	7.71	
18 Phenol	94	6.925	6.908	0.017	1198839	6.95	
19 Aniline	93	6.949	6.946	0.003	542312	2.70	
20 Bis(2-chloroethyl)ether	93	7.007	7.004	0.003	821161	6.07	
21 2-Chlorophenol	128	7.064	7.057	0.007	981630	6.55	
22 1,4-Dichlorobenzene	146	7.204	7.201	0.003	1056056	5.81	
23 1,3-Dichlorobenzene	146	7.271	7.268	0.003	1106064	5.82	
24 Benzyl alcohol	79	7.377	7.374	0.003	874115	7.31	
25 1,2-Dichlorobenzene	146	7.410	7.412	-0.002	1039753	5.84	
26 2-Methylphenol	108	7.473	7.465	0.008	917670	7.06	
27 2,2'-oxybis[1-chloropropane]	45	7.497	7.494	0.003	1588673	6.31	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	7.603	7.600	0.003	1020582	7.46	
29 N-Nitrosodi-n-propylamine	70	7.612	7.610	0.002	715905	6.99	
30 Acetophenone	105	7.617	7.614	0.003	1382630	6.90	
31 Hexachloroethane	117	7.718	7.715	0.003	410428	6.14	
32 Nitrobenzene	77	7.771	7.773	-0.002	1037865	6.32	
33 Isophorone	82	7.973	7.975	-0.002	1527494	5.95	
34 2-Nitrophenol	139	8.050	8.052	-0.002	538664	7.71	
35 2,4-Dimethylphenol	107	8.069	8.066	0.003	1078064	7.43	
36 Benzoic acid	105	8.127	8.119	0.008	170158	4.29	
37 Bis(2-chloroethoxy)methane	93	8.151	8.148	0.003	1018849	6.36	
38 2,4-Dichlorophenol	162	8.257	8.254	0.003	867340	7.91	
39 1,2,4-Trichlorobenzene	180	8.334	8.331	0.003	839000	6.83	
40 Alpha-Terpineol	59	8.396	8.393	0.003	851543	6.68	
41 Naphthalene	128	8.406	8.408	-0.002	2800105	6.11	
42 4-Chloroaniline	127	8.440	8.442	-0.002	915035	5.19	
43 Hexachlorobutadiene	225	8.502	8.504	-0.002	450046	6.06	
44 Caprolactam	55	8.738	8.725	0.013	484007	8.96	
45 4-Chloro-3-methylphenol	107	8.839	8.831	0.008	926974	8.35	
46 2-Methylnaphthalene	142	8.993	8.995	-0.002	1894401	6.25	
47 1-Methylnaphthalene	142	9.079	9.081	-0.002	1980361	6.74	
48 Hexachlorocyclopentadiene	237	9.122	9.124	-0.002	302538	6.04	
49 1,2,4,5-Tetrachlorobenzene	216	9.137	9.134	0.003	794060	6.62	
50 2,4,6-Trichlorophenol	196	9.223	9.225	-0.002	615157	8.99	
51 2,4,5-Trichlorophenol	196	9.262	9.254	0.008	605128	7.87	
52 1,1'-Biphenyl	154	9.382	9.379	0.003	2532540	8.59	
53 2-Chloronaphthalene	162	9.411	9.413	-0.002	1770008	6.32	
54 Phenyl ether	170	9.464	9.466	-0.002	1376273	7.20	
68 4-Nitroaniline	138	9.483	9.485	-0.002	703666	8.19	
56 Dimethyl phthalate	163	9.618	9.615	0.003	2142553	8.39	
57 2,6-Dinitrotoluene	165	9.680	9.677	0.003	498960	8.10	
58 Acenaphthylene	152	9.767	9.764	0.003	2801377	7.91	
59 3-Nitroaniline	138	9.829	9.826	0.003	503875	8.07	
61 Acenaphthene	153	9.911	9.908	0.003	2205485	8.98	
60 2,4-Dinitrophenol	184	9.911	9.913	-0.002	114103	5.01	
62 4-Nitrophenol	109	9.940	9.937	0.003	340168	8.78	
63 2,4-Dinitrotoluene	165	10.022	10.019	0.003	652181	7.56	
64 Dibenzofuran	168	10.050	10.052	-0.002	2512741	7.86	
65 2,3,4,6-Tetrachlorophenol	232	10.147	10.144	0.003	397859	7.24	
66 Diethyl phthalate	149	10.200	10.202	-0.002	2294378	8.56	
67 4-Chlorophenyl phenyl ether	204	10.320	10.322	-0.002	976716	8.03	
69 Fluorene	166	10.344	10.341	0.003	2582958	9.80	
55 2-Nitroaniline	65	10.344	10.341	0.003	608998	9.20	
70 4,6-Dinitro-2-methylphenol	198	10.363	10.360	0.003	253320	7.02	
72 N-Nitrosodiphenylamine	169	10.416	10.418	-0.002	1364984	6.33	
74 Azobenzene	77	10.459	10.456	0.003	3624768	8.92	
73 1,2-Diphenylhydrazine	77	10.459	10.456	0.003	3624768	8.92	
13 Benzophenone	105	10.469	10.466	0.003	2350076	9.88	
75 4-Bromophenyl phenyl ether	248	10.738	10.735	0.003	519743	8.65	
76 Hexachlorobenzene	284	10.810	10.807	0.003	499323	8.71	
77 Atrazine	200	10.844	10.841	0.003	676054	11.4	
78 Pentachlorophenol	266	10.969	10.966	0.003	254866	8.12	
79 Pentachloronitrobenzene	237	10.979	10.976	0.003	256146	8.03	

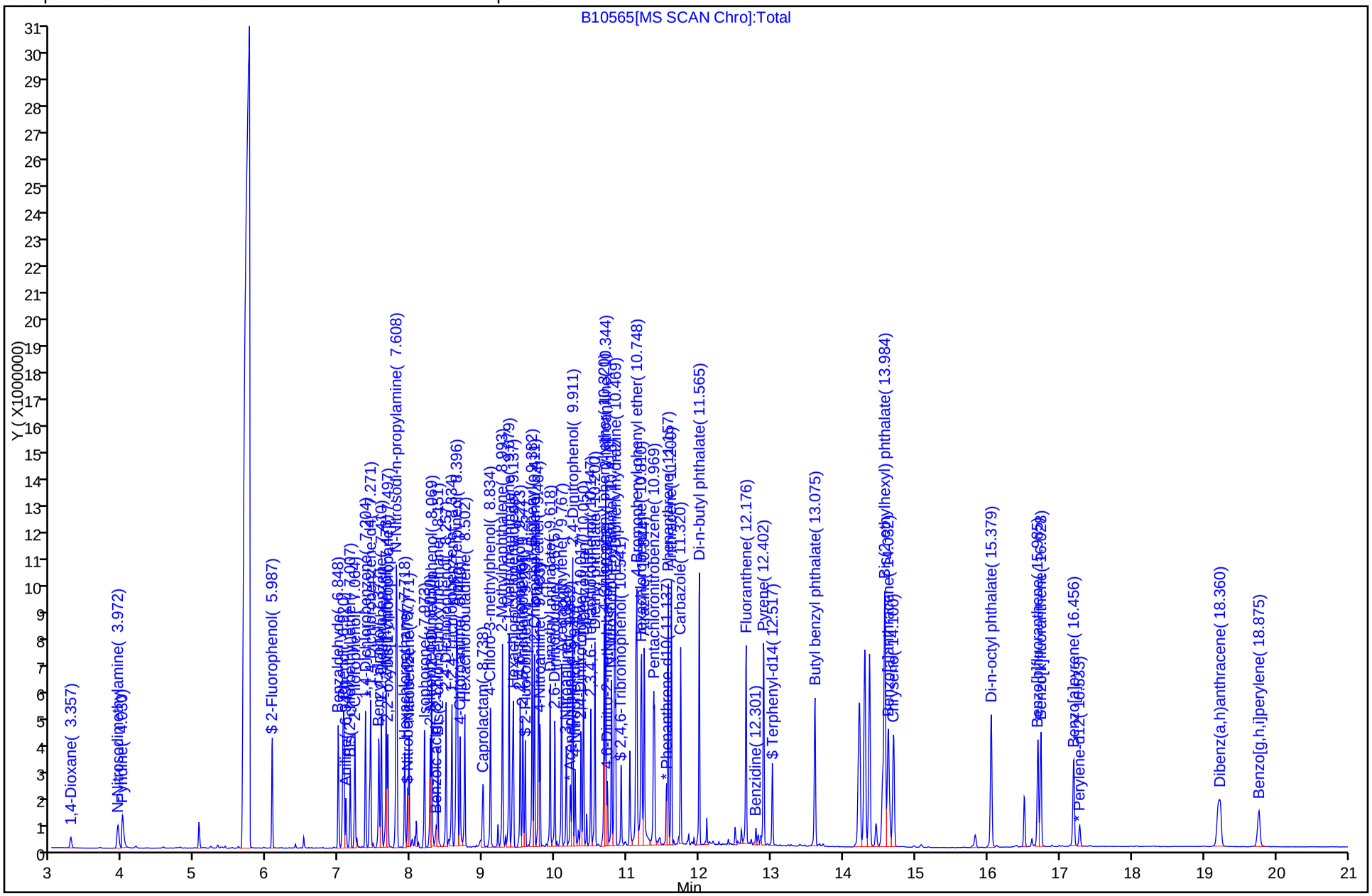
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.157	11.154	0.003	3207186	9.49	
81 Anthracene	178	11.200	11.197	0.003	3242382	10.2	
83 Carbazole	167	11.320	11.317	0.003	2600433	9.77	
84 Di-n-butyl phthalate	149	11.565	11.562	0.003	4420859	10.7	
87 Fluoranthene	202	12.176	12.173	0.003	2902452	9.59	
86 Benzidine	184	12.272	12.269	0.003	16979	1.05	
85 Pyrene	202	12.402	12.399	0.003	3334916	9.21	
89 Butyl benzyl phthalate	149	13.075	13.072	0.003	1574542	9.63	
91 3,3'-Dichlorobenzidine	252	13.955	13.948	0.007	640391	8.63	
92 Bis(2-ethylhexyl) phthalate	149	13.984	13.981	0.003	4119574	15.9	
93 Benzo[a]anthracene	228	14.032	14.025	0.007	2653224	10.8	
94 Chrysene	228	14.100	14.092	0.008	2372156	10.2	
95 Di-n-octyl phthalate	149	15.379	15.376	0.003	3446575	8.12	
97 Benzo[b]fluoranthene	252	15.989	15.982	0.007	2124133	9.50	
98 Benzo[k]fluoranthene	252	16.028	16.020	0.008	2105151	10.3	
99 Benzo[a]pyrene	252	16.456	16.448	0.008	1775839	9.76	
100 Indeno[1,2,3-cd]pyrene	276	18.341	18.333	0.008	1355490	10.5	
101 Dibenz(a,h)anthracene	278	18.370	18.367	0.003	1070402	10.4	
102 Benzo[g,h,i]perylene	276	18.870	18.867	0.003	1104987	10.4	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 28-Sep-2009 07:19:35 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10565.D		
Inj Date:	26-Sep-2009 02:09:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49511	Lims Sample ID:	22
Client ID:		Instrument:	Inst. B
Sample Info:	lcs 360-49041/2-a		
Sample Amount:	1.00 ul	Operator:	MZ



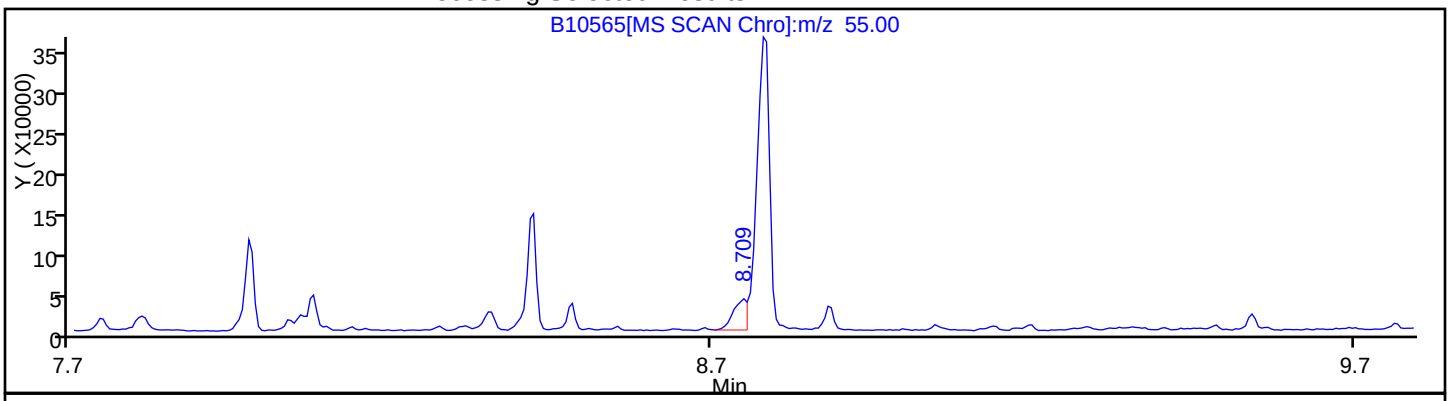
Chrom Revision: 1.1 20-Sep-2009 21:03:36

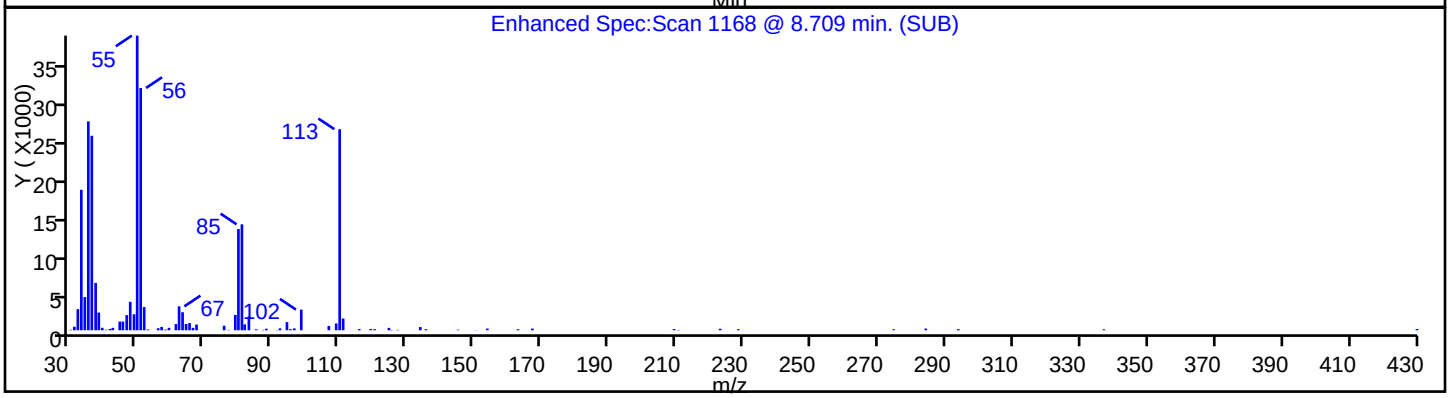
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10565.D		
Inj Date:	26-Sep-2009 02:09:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49511	Lims Sample ID:	22
Client ID:		Instrument:	Inst. B
Sample Info:	lcs 360-49041/2-a		
Sample Amount:	1.00 ul	Operator:	MZ

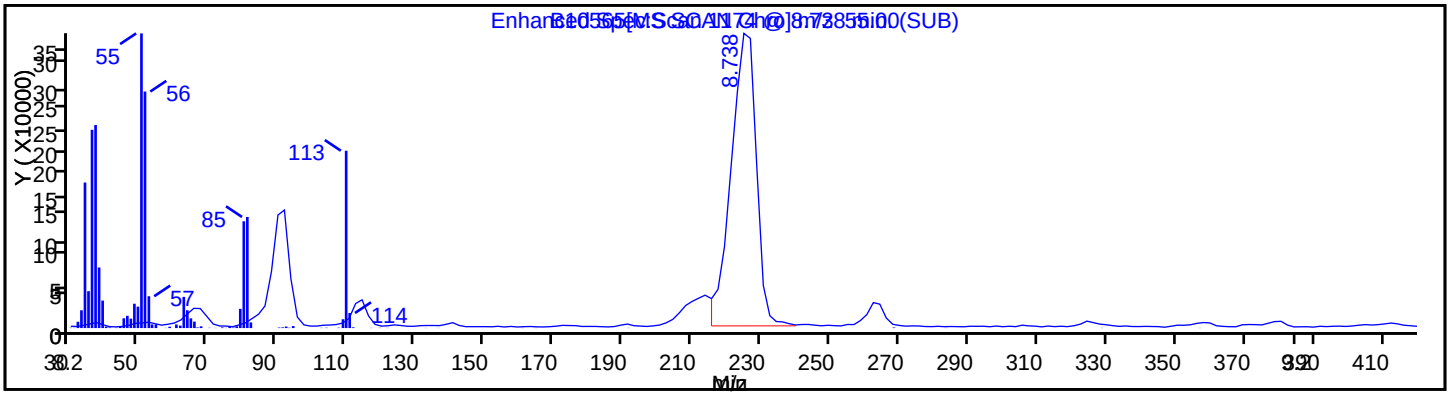
44 Caprolactam

Processing Selected Results





Manual Selected Results



Reviewer: sullivanp, 26-Sep-2009 17:46:15

Audit Action: Selected Alternate Hit

Audit Reason:

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: | Lab Sample ID: LCSD 360-49016/3-A

Matrix: Solid | Lab File ID: B10488.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/16/2009 11:53

Sample wt/vol: 30.00(g) | Date Analyzed: 09/22/2009 21:45

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.: 49400 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	307		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	306		33	10
120-82-1	1,2,4-Trichlorobenzene	262		33	10
95-50-1	1,2-Dichlorobenzene	261		33	10
541-73-1	1,3-Dichlorobenzene	217		33	10
106-46-7	1,4-Dichlorobenzene	211		33	10
90-12-0	1-Methylnaphthalene	286		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	291		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	260		33	10
95-95-4	2,4,5-Trichlorophenol	320		33	10
88-06-2	2,4,6-Trichlorophenol	314		33	10
120-83-2	2,4-Dichlorophenol	276		33	10
105-67-9	2,4-Dimethylphenol	279		33	13
51-28-5	2,4-Dinitrophenol	254		33	10
121-14-2	2,4-Dinitrotoluene	311		33	10
606-20-2	2,6-Dinitrotoluene	318		33	10
91-58-7	2-Chloronaphthalene	249		33	10
95-57-8	2-Chlorophenol	247		33	10
91-57-6	2-Methylnaphthalene	236		33	10
95-48-7	2-Methylphenol	254		33	20
88-74-4	2-Nitroaniline	358		170	10
88-75-5	2-Nitrophenol	301		33	10
15831-10-4	3 & 4 Methylphenol	273		33	10
91-94-1	3,3'-Dichlorobenzidine	343		67	10
99-09-2	3-Nitroaniline	321		170	10
534-52-1	4,6-Dinitro-2-methylphenol	327		170	10
101-55-3	4-Bromophenyl phenyl ether	341		33	10
59-50-7	4-Chloro-3-methylphenol	291		67	10
106-47-8	4-Chloroaniline	208		67	10
7005-72-3	4-Chlorophenyl phenyl ether	326		33	10
100-01-6	4-Nitroaniline	321		170	10
100-02-7	4-Nitrophenol	354		170	10
83-32-9	Acenaphthene	360		33	10
208-96-8	Acenaphthylene	310		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: | Lab Sample ID: LCSD 360-49016/3-A

Matrix: Solid | Lab File ID: B10488.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/16/2009 11:53

Sample wt/vol: 30.00(g) | Date Analyzed: 09/22/2009 21:45

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.: 49400 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	251		33	10
62-53-3	Aniline	103		33	10
120-12-7	Anthracene	400		33	10
1912-24-9	Atrazine	406		33	10
103-33-3	Azobenzene	338		33	10
100-52-7	Benzaldehyde	259		33	10
56-55-3	Benzo[a]anthracene	419		33	10
50-32-8	Benzo[a]pyrene	437		33	10
205-99-2	Benzo[b]fluoranthene	380		33	10
191-24-2	Benzo[g,h,i]perylene	402		33	10
207-08-9	Benzo[k]fluoranthene	407		33	10
65-85-0	Benzoic acid	174		170	15
119-61-9	Benzophenone	347		33	10
100-51-6	Benzyl alcohol	279		67	28
111-91-1	Bis(2-chloroethoxy)methane	237		33	10
111-44-4	Bis(2-chloroethyl)ether	223		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	470		33	10
85-68-7	Butyl benzyl phthalate	337		33	10
105-60-2	Caprolactam	357		33	10
86-74-8	Carbazole	374		33	10
218-01-9	Chrysene	398		33	10
53-70-3	Dibenz(a,h)anthracene	455		33	10
132-64-9	Dibenzofuran	310		33	10
84-66-2	Diethyl phthalate	337		33	10
131-11-3	Dimethyl phthalate	330		33	10
84-74-2	Di-n-butyl phthalate	410		33	29
117-84-0	Di-n-octyl phthalate	335		33	17
101-84-8	Diphenyl oxide	251		33	10
206-44-0	Fluoranthene	375		33	10
86-73-7	Fluorene	383		33	10
118-74-1	Hexachlorobenzene	336		33	10
87-68-3	Hexachlorobutadiene	264		33	10
77-47-4	Hexachlorocyclopentadiene	245		67	10
67-72-1	Hexachloroethane	220		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: | Lab Sample ID: LCSD 360-49016/3-A

Matrix: Solid | Lab File ID: B10488.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/16/2009 11:53

Sample wt/vol: 30.00(g) | Date Analyzed: 09/22/2009 21:45

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.: 49400 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	447		33	10
78-59-1	Isophorone	220		33	10
91-20-3	Naphthalene	282		80	10
98-95-3	Nitrobenzene	236		33	10
62-75-9	N-Nitrosodimethylamine	263		33	12
621-64-7	N-Nitrosodi-n-propylamine	269		33	10
86-30-6	N-Nitrosodiphenylamine	245		33	10
87-86-5	Pentachlorophenol	328		33	10
85-01-8	Phenanthrene	360		40	10
108-95-2	Phenol	257		33	10
129-00-0	Pyrene	368		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	88	30-130	
321-60-8	2-Fluorobiphenyl	80	30-130	
367-12-4	2-Fluorophenol	80	30-130	
4165-60-0	Nitrobenzene-d5	62	30-130	
4165-62-2	Phenol-d5	70	30-130	
1718-51-0	Terphenyl-d14	83	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10488.D		
Lims ID:	LCSD 360-49016/3-A	Client ID:	
Inject. Date:	22-Sep-2009 21:45:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	lcsd 360-49016/3-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	49400	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	24-Sep-2009 11:55:29	Calib Date:	22-Sep-2009 19:41:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:55:29

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	7.694	7.691	0.003	403554	2.00	
* 2 Naphthalene-d8	136	8.819	8.821	-0.002	1068639	2.00	
* 3 Acenaphthene-d10	164	10.319	10.321	-0.002	363183	2.00	
* 4 Phenanthrene-d10	188	11.584	11.581	0.003	601083	2.00	
* 5 Chrysene-d12	240	14.998	14.990	0.008	477182	2.00	
* 6 Perylene-d12	264	17.384	17.385	-0.001	365880	2.00	
$ 7 2-Fluorophenol	112	6.444	6.407	0.037	797813	8.03	
$ 8 Phenol-d5	99	7.333	7.320	0.013	967796	7.00	
$ 9 Nitrobenzene-d5	82	8.184	8.186	-0.002	422487	3.08	
$ 10 2-Fluorobiphenyl	172	9.718	9.720	-0.002	961103	3.99	
$ 11 2,4,6-Tribromophenol	330	10.988	10.985	0.003	195296	8.82	
$ 12 Terphenyl-d14	244	13.108	13.110	-0.002	807779	4.17	
14 1,4-Dioxane	88	4.308	4.307	0.001	130		
15 N-Nitrosodimethylamine	42	4.688	4.613	0.075	597778	7.88	
16 Pyridine	79	4.741	4.637	0.104	571409	6.30	M
17 Benzaldehyde	105	7.295	7.296	-0.001	590122	7.76	
18 Phenol	94	7.348	7.330	0.018	1119532	7.70	
19 Aniline	93	7.391	7.388	0.003	525942	3.10	
20 Bis(2-chloroethyl)ether	93	7.434	7.431	0.003	775780	6.70	
21 2-Chlorophenol	128	7.511	7.498	0.013	911943	7.41	
22 1,4-Dichlorobenzene	146	7.646	7.642	0.004	973520	6.33	
23 1,3-Dichlorobenzene	146	7.713	7.705	0.008	1020560	6.52	
24 Benzyl alcohol	79	7.804	7.796	0.008	780953	8.36	
25 1,2-Dichlorobenzene	146	7.852	7.849	0.003	963208	7.83	
26 2-Methylphenol	108	7.891	7.883	0.008	856712	7.63	
27 2,2'-oxybis[1-chloropropane]	45	7.915	7.912	0.003	1489149	8.72	
28 3 & 4 Methylphenol	108	8.016	8.013	0.003	950250	8.19	
29 N-Nitrosodi-n-propylamine	70	8.030	8.027	0.003	629978	8.07	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	8.045	8.042	0.003	1258583	7.54	
31 Hexachloroethane	117	8.155	8.152	0.003	358451	6.59	
32 Nitrobenzene	77	8.204	8.200	0.004	953380	7.07	
33 Isophorone	82	8.401	8.397	0.004	1458124	6.61	
34 2-Nitrophenol	139	8.482	8.479	0.003	542137	9.03	
35 2,4-Dimethylphenol	107	8.482	8.479	0.003	1046706	8.36	
36 Benzoic acid	105	8.531	8.513	0.018	133701	5.23	5
37 Bis(2-chloroethoxy)methane	93	8.564	8.561	0.003	973746	7.12	
38 2,4-Dichlorophenol	162	8.684	8.681	0.003	843625	8.29	
39 1,2,4-Trichlorobenzene	180	8.766	8.763	0.003	808405	7.87	
40 Alpha-Terpineol	59	8.814	8.811	0.003	792680	6.95	
41 Naphthalene	128	8.843	8.840	0.003	2685182	8.47	
42 4-Chloroaniline	127	8.867	8.864	0.003	954577	6.24	
43 Hexachlorobutadiene	225	8.930	8.926	0.004	408721	7.93	
44 Caprolactam	55	9.160	9.143	0.017	471449	10.7	
45 4-Chloro-3-methylphenol	107	9.252	9.249	0.003	887612	8.74	
46 2-Methylnaphthalene	142	9.425	9.426	-0.001	1885551	7.08	
47 1-Methylnaphthalene	142	9.516	9.513	0.003	1822857	8.59	
48 Hexachlorocyclopentadiene	237	9.555	9.556	-0.001	279003	7.36	
49 1,2,4,5-Tetrachlorobenzene	216	9.569	9.566	0.003	791879	9.19	
50 2,4,6-Trichlorophenol	196	9.656	9.653	0.004	580502	9.42	
51 2,4,5-Trichlorophenol	196	9.689	9.686	0.003	625203	9.61	
52 1,1'-Biphenyl	154	9.810	9.811	-0.001	2326755	9.22	
53 2-Chloronaphthalene	162	9.848	9.845	0.003	1773397	7.46	
54 Phenyl ether	170	9.891	9.893	-0.002	1256283	7.54	
68 4-Nitroaniline	138	9.915	9.912	0.003	692196	9.62	
56 Dimethyl phthalate	163	10.036	10.032	0.004	2201630	9.89	
57 2,6-Dinitrotoluene	165	10.103	10.100	0.003	505676	9.53	
58 Acenaphthylene	152	10.209	10.206	0.003	2824495	9.31	
59 3-Nitroaniline	138	10.257	10.254	0.003	509839	9.63	
60 2,4-Dinitrophenol	184	10.343	10.340	0.003	111772	7.62	
61 Acenaphthene	153	10.348	10.350	-0.002	2294606	10.8	
62 4-Nitrophenol	109	10.363	10.355	0.008	337644	10.6	
63 2,4-Dinitrotoluene	165	10.449	10.446	0.003	677656	9.34	
64 Dibenzofuran	168	10.493	10.489	0.003	2581180	9.29	
65 2,3,4,6-Tetrachlorophenol	232	10.584	10.581	0.003	364241	7.79	
66 Diethyl phthalate	149	10.622	10.619	0.003	2333415	10.1	
67 4-Chlorophenyl phenyl ether	204	10.757	10.754	0.003	1004574	9.79	
55 2-Nitroaniline	65	10.781	10.773	0.008	660013	10.7	
69 Fluorene	166	10.786	10.783	0.003	2677403	11.5	
70 4,6-Dinitro-2-methylphenol	198	10.795	10.792	0.003	252189	9.80	
72 N-Nitrosodiphenylamine	169	10.848	10.845	0.003	1424017	7.35	
73 1,2-Diphenylhydrazine	77	10.892	10.888	0.004	3546548	10.1	
74 Azobenzene	77	10.892	10.888	0.004	3546548	10.1	
13 Benzophenone	105	10.901	10.898	0.003	2206797	10.4	
75 4-Bromophenyl phenyl ether	248	11.175	11.172	0.003	554453	10.2	
76 Hexachlorobenzene	284	11.257	11.254	0.003	523902	10.1	
77 Atrazine	200	11.267	11.263	0.004	675604	12.2	
78 Pentachlorophenol	266	11.411	11.408	0.003	270901	9.84	
79 Pentachloronitrobenzene	237	11.421	11.417	0.004	258887	9.75	
80 Phenanthrene	178	11.608	11.605	0.003	3364396	10.8	
81 Anthracene	178	11.651	11.648	0.003	3493462	12.0	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.767	11.764	0.003	2743496	11.2	
84 Di-n-butyl phthalate	149	11.988	11.985	0.003	4599959	12.3	
87 Fluoranthene	202	12.714	12.711	0.003	3086803	11.3	
86 Benzidine	184	12.815	12.812	0.003	27031	1.23	
85 Pyrene	202	12.993	12.990	0.003	3558101	11.0	
89 Butyl benzyl phthalate	149	13.772	13.769	0.003	1669427	10.1	
91 3,3'-Dichlorobenzidine	252	14.878	14.865	0.013	717402	10.3	
92 Bis(2-ethylhexyl) phthalate	149	14.883	14.880	0.003	3355368	14.1	
93 Benzo[a]anthracene	228	14.979	14.971	0.008	2631154	12.6	
94 Chrysene	228	15.056	15.043	0.013	2457541	12.0	
95 Di-n-octyl phthalate	149	16.027	16.024	0.003	3866927	10.1	
97 Benzo[b]fluoranthene	252	16.734	16.721	0.013	2338279	11.4	
98 Benzo[k]fluoranthene	252	16.773	16.770	0.003	2292497	12.2	
99 Benzo[a]pyrene	252	17.292	17.284	0.008	2005366	13.1	
100 Indeno[1,2,3-cd]pyrene	276	19.615	19.602	0.013	1802185	13.4	
101 Dibenz(a,h)anthracene	278	19.639	19.626	0.013	1461495	13.6	
102 Benzo[g,h,i]perylene	276	20.283	20.270	0.013	1483681	12.1	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 24-Sep-2009 11:55:30 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10488.D

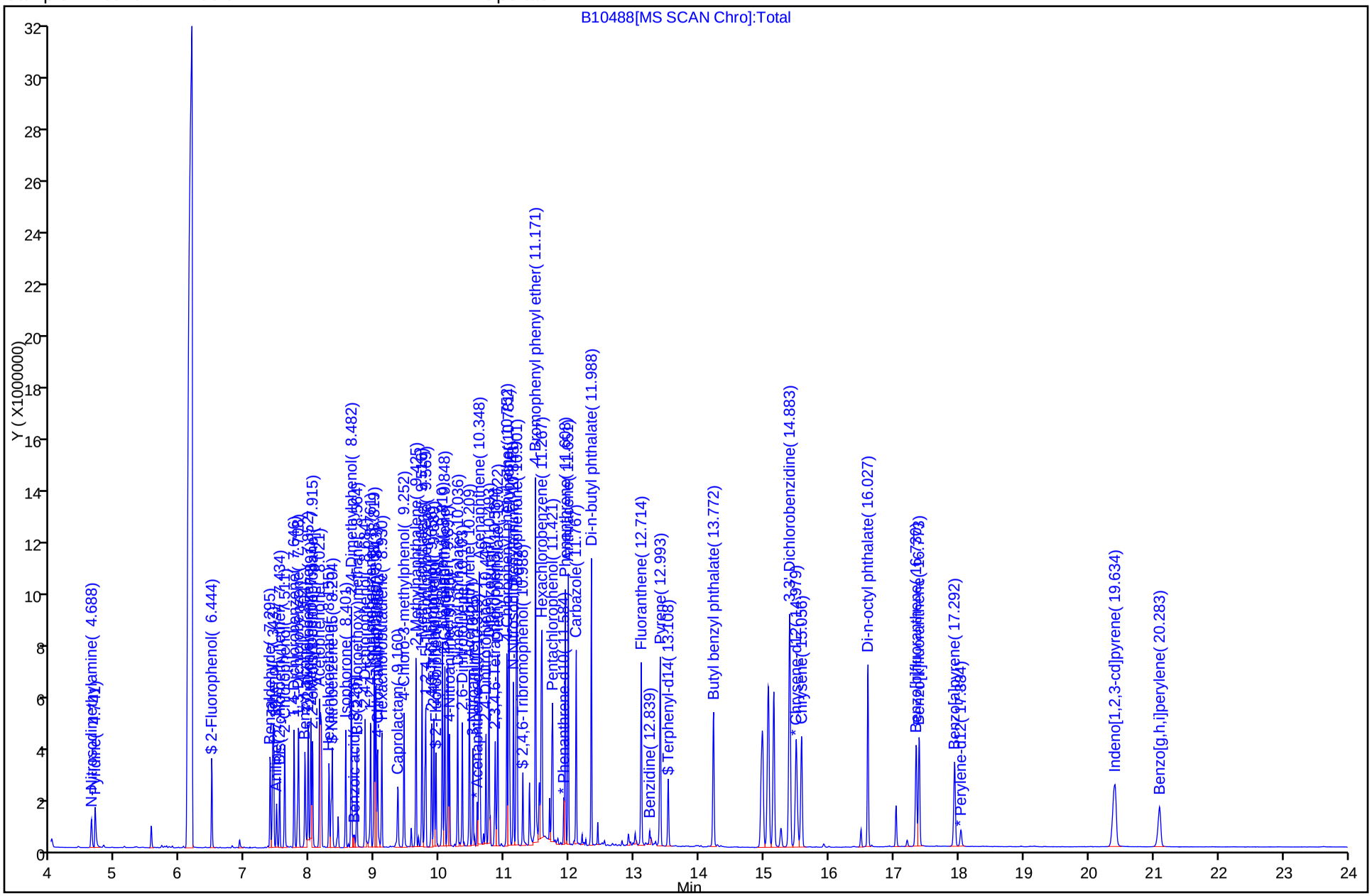
Inj Date: 22-Sep-2009 21:45:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49400 Lims Sample ID: 14

Client ID: Instrument: Inst. B

Sample Info: lcsd 360-49016/3-a

Sample Amount: 1.00 ul Operator: MZ



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: | Lab Sample ID: LCSD 360-49041/3-A

Matrix: Solid | Lab File ID: B10566.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/16/2009 15:13

Sample wt/vol: 30.00(g) | Date Analyzed: 09/26/2009 02:37

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.: 49511 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	297		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	239		33	10
120-82-1	1,2,4-Trichlorobenzene	249		33	10
95-50-1	1,2-Dichlorobenzene	210		33	10
541-73-1	1,3-Dichlorobenzene	208		33	10
106-46-7	1,4-Dichlorobenzene	207		33	10
90-12-0	1-Methylnaphthalene	228		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	229		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	255		33	10
95-95-4	2,4,5-Trichlorophenol	301		33	10
88-06-2	2,4,6-Trichlorophenol	331		33	10
120-83-2	2,4-Dichlorophenol	294		33	10
105-67-9	2,4-Dimethylphenol	272		33	13
51-28-5	2,4-Dinitrophenol	197		33	10
121-14-2	2,4-Dinitrotoluene	280		33	10
606-20-2	2,6-Dinitrotoluene	305		33	10
91-58-7	2-Chloronaphthalene	233		33	10
95-57-8	2-Chlorophenol	239		33	10
91-57-6	2-Methylnaphthalene	229		33	10
95-48-7	2-Methylphenol	260		33	20
88-74-4	2-Nitroaniline	360		170	10
88-75-5	2-Nitrophenol	281		33	10
15831-10-4	3 & 4 Methylphenol	275		33	10
91-94-1	3,3'-Dichlorobenzidine	323		67	10
99-09-2	3-Nitroaniline	298		170	10
534-52-1	4,6-Dinitro-2-methylphenol	264		170	10
101-55-3	4-Bromophenyl phenyl ether	322		33	10
59-50-7	4-Chloro-3-methylphenol	311		67	10
106-47-8	4-Chloroaniline	205		67	10
7005-72-3	4-Chlorophenyl phenyl ether	304		33	10
100-01-6	4-Nitroaniline	307		170	10
100-02-7	4-Nitrophenol	340		170	10
83-32-9	Acenaphthene	336		33	10
208-96-8	Acenaphthylene	293		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: | Lab Sample ID: LCSD 360-49041/3-A

Matrix: Solid | Lab File ID: B10566.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/16/2009 15:13

Sample wt/vol: 30.00(g) | Date Analyzed: 09/26/2009 02:37

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.: 49511 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	251		33	10
62-53-3	Aniline	99.5		33	10
120-12-7	Anthracene	386		33	10
1912-24-9	Atrazine	392		33	10
103-33-3	Azobenzene	327		33	10
100-52-7	Benzaldehyde	257		33	10
56-55-3	Benzo[a]anthracene	390		33	10
50-32-8	Benzo[a]pyrene	357		33	10
205-99-2	Benzo[b]fluoranthene	345		33	10
191-24-2	Benzo[g,h,i]perylene	390		33	10
207-08-9	Benzo[k]fluoranthene	382		33	10
65-85-0	Benzoic acid	158	J	170	15
119-61-9	Benzophenone	344		33	10
100-51-6	Benzyl alcohol	264		67	28
111-91-1	Bis(2-chloroethoxy)methane	234		33	10
111-44-4	Bis(2-chloroethyl)ether	219		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	528		33	10
85-68-7	Butyl benzyl phthalate	344		33	10
105-60-2	Caprolactam	314		33	10
86-74-8	Carbazole	368		33	10
218-01-9	Chrysene	368		33	10
53-70-3	Dibenz(a,h)anthracene	390		33	10
132-64-9	Dibenzofuran	294		33	10
84-66-2	Diethyl phthalate	323		33	10
131-11-3	Dimethyl phthalate	317		33	10
84-74-2	Di-n-butyl phthalate	390		33	29
117-84-0	Di-n-octyl phthalate	285		33	17
101-84-8	Diphenyl oxide	244		33	10
206-44-0	Fluoranthene	361		33	10
86-73-7	Fluorene	367		33	10
118-74-1	Hexachlorobenzene	324		33	10
87-68-3	Hexachlorobutadiene	219		33	10
77-47-4	Hexachlorocyclopentadiene	225		67	10
67-72-1	Hexachloroethane	219		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24499-2

SDG No.: OCRI-13A

Client Sample ID: | Lab Sample ID: LCSD 360-49041/3-A

Matrix: Solid | Lab File ID: B10566.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/16/2009 15:13

Sample wt/vol: 30.00(g) | Date Analyzed: 09/26/2009 02:37

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.: 49511 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	390		33	10
78-59-1	Isophorone	219		33	10
91-20-3	Naphthalene	222		80	10
98-95-3	Nitrobenzene	229		33	10
62-75-9	N-Nitrosodimethylamine	249		33	12
621-64-7	N-Nitrosodi-n-propylamine	256		33	10
86-30-6	N-Nitrosodiphenylamine	238		33	10
87-86-5	Pentachlorophenol	312		33	10
85-01-8	Phenanthrene	353		40	10
108-95-2	Phenol	251		33	10
129-00-0	Pyrene	326		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	87	30-130	
321-60-8	2-Fluorobiphenyl	79	30-130	
367-12-4	2-Fluorophenol	73	30-130	
4165-60-0	Nitrobenzene-d5	61	30-130	
4165-62-2	Phenol-d5	70	30-130	
1718-51-0	Terphenyl-d14	78	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10566.D		
Lims ID:	LCSD 360-49041/3-A	Client ID:	
Inject. Date:	26-Sep-2009 02:37:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	lcsd 360-49041/3-a		
Misc. Info.:	360-0001300-023		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	22
Lims Batch ID:	49511	Lims Sample ID:	23
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\8270B.m		
Last Update:	28-Sep-2009 07:17:37	Calib Date:	25-Sep-2009 21:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090925-1.b\B10554.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	26-Sep-2009 17:47:12
Reviewed By:	sullivanp	Date:	28-Sep-2009 07:19:55

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	7.257	7.254	0.003	452459	2.00	
* 2 Naphthalene-d8	136	8.387	8.389	-0.002	1118614	2.00	
* 3 Acenaphthene-d10	164	9.878	9.879	-0.001	373914	2.00	
* 4 Phenanthrene-d10	188	11.133	11.134	-0.001	596947	2.00	
* 5 Chrysene-d12	240	14.047	14.044	0.003	519809	2.00	
* 6 Perylene-d12	264	16.534	16.530	0.004	371838	2.00	
$ 7 2-Fluorophenol	112	5.983	5.941	0.042	858677	7.29	
$ 8 Phenol-d5	99	6.911	6.898	0.013	1048866	7.01	
$ 9 Nitrobenzene-d5	82	7.753	7.754	-0.001	465191	3.07	
$ 10 2-Fluorobiphenyl	172	9.291	9.293	-0.002	973105	3.94	
$ 11 2,4,6-Tribromophenol	330	10.547	10.543	0.004	198037	8.66	
$ 12 Terphenyl-d14	244	12.518	12.519	-0.001	789216	3.92	
14 1,4-Dioxane	88	3.324	3.137	0.187	178314	4.97	M
15 N-Nitrosodimethylamine	42	3.934	3.806	0.128	649153	7.46	M
16 Pyridine	79	3.997	3.820	0.177	587971	5.87	M
17 Benzaldehyde	105	6.849	6.850	-0.001	633954	7.72	
18 Phenol	94	6.926	6.908	0.018	1179404	7.53	
19 Aniline	93	6.950	6.946	0.004	545126	2.99	
20 Bis(2-chloroethyl)ether	93	7.007	7.004	0.003	808638	6.58	
21 2-Chlorophenol	128	7.065	7.057	0.008	974293	7.16	
22 1,4-Dichlorobenzene	146	7.204	7.201	0.003	1024876	6.21	
23 1,3-Dichlorobenzene	146	7.272	7.268	0.004	1075225	6.23	
24 Benzyl alcohol	79	7.378	7.374	0.004	859453	7.92	
25 1,2-Dichlorobenzene	146	7.411	7.412	-0.001	1019843	6.31	
26 2-Methylphenol	108	7.474	7.465	0.009	920525	7.80	
27 2,2'-oxybis[1-chloropropane]	45	7.498	7.494	0.004	1568020	6.86	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	7.604	7.600	0.004	1025110	8.25	
29 N-Nitrosodi-n-propylamine	70	7.613	7.610	0.003	713413	7.67	
30 Acetophenone	105	7.613	7.614	-0.001	1368945	7.53	
31 Hexachloroethane	117	7.719	7.715	0.004	398830	6.57	
32 Nitrobenzene	77	7.772	7.773	-0.001	1017731	6.86	
33 Isophorone	82	7.974	7.975	-0.001	1521422	6.56	
34 2-Nitrophenol	139	8.051	8.052	-0.001	531249	8.42	
35 2,4-Dimethylphenol	107	8.070	8.066	0.004	1069652	8.16	
36 Benzoic acid	105	8.128	8.119	0.009	179519	4.74	
37 Bis(2-chloroethoxy)methane	93	8.147	8.148	-0.001	1015034	7.02	
38 2,4-Dichlorophenol	162	8.258	8.254	0.004	875662	8.83	
39 1,2,4-Trichlorobenzene	180	8.335	8.331	0.003	814569	7.47	
40 Alpha-Terpineol	59	8.397	8.393	0.004	857056	7.45	
41 Naphthalene	128	8.407	8.408	-0.001	2761520	6.67	
42 4-Chloroaniline	127	8.440	8.442	-0.002	979613	6.15	
43 Hexachlorobutadiene	225	8.503	8.504	-0.001	440972	6.57	
44 Caprolactam	55	8.738	8.725	0.013	459305	9.41	
45 4-Chloro-3-methylphenol	107	8.835	8.831	0.004	934640	9.33	
46 2-Methylnaphthalene	142	8.993	8.995	-0.002	1880884	6.87	
47 1-Methylnaphthalene	142	9.080	9.081	-0.001	1817952	6.85	
48 Hexachlorocyclopentadiene	237	9.123	9.124	-0.001	299191	6.74	
49 1,2,4,5-Tetrachlorobenzene	216	9.138	9.134	0.004	776299	7.16	
50 2,4,6-Trichlorophenol	196	9.224	9.225	-0.001	601051	9.93	
51 2,4,5-Trichlorophenol	196	9.258	9.254	0.004	614249	9.02	
52 1,1'-Biphenyl	154	9.383	9.379	0.004	2328519	8.92	
53 2-Chloronaphthalene	162	9.412	9.413	-0.001	1734475	7.00	
54 Phenyl ether	170	9.465	9.466	-0.001	1265638	7.33	
68 4-Nitroaniline	138	9.484	9.485	-0.001	699776	9.20	
56 Dimethyl phthalate	163	9.614	9.615	-0.001	2149626	9.51	
57 2,6-Dinitrotoluene	165	9.676	9.677	-0.001	498891	9.14	
58 Acenaphthylene	152	9.763	9.764	-0.001	2755548	8.79	
59 3-Nitroaniline	138	9.825	9.826	-0.001	493813	8.93	
61 Acenaphthene	153	9.907	9.908	-0.001	2190691	10.1	
60 2,4-Dinitrophenol	184	9.912	9.913	-0.001	124580	5.92	
62 4-Nitrophenol	109	9.941	9.937	0.004	351110	10.2	
63 2,4-Dinitrotoluene	165	10.018	10.019	-0.001	641309	8.39	
64 Dibenzofuran	168	10.051	10.052	-0.001	2494815	8.82	
65 2,3,4,6-Tetrachlorophenol	232	10.147	10.144	0.003	372243	7.65	
66 Diethyl phthalate	149	10.200	10.202	-0.002	2294933	9.68	
67 4-Chlorophenyl phenyl ether	204	10.321	10.322	-0.001	982019	9.13	
69 Fluorene	166	10.340	10.341	-0.001	2569390	11.0	
55 2-Nitroaniline	65	10.345	10.341	0.004	651086	10.8	
70 4,6-Dinitro-2-methylphenol	198	10.364	10.360	0.004	257332	7.92	
72 N-Nitrosodiphenylamine	169	10.417	10.418	-0.001	1367788	7.13	
74 Azobenzene	77	10.455	10.456	-0.001	3546494	9.82	
73 1,2-Diphenylhydrazine	77	10.455	10.456	-0.001	3546494	9.82	
13 Benzophenone	105	10.470	10.466	0.004	2185200	10.3	
75 4-Bromophenyl phenyl ether	248	10.734	10.735	-0.001	516292	9.66	
76 Hexachlorobenzene	284	10.811	10.807	0.004	495079	9.71	
77 Atrazine	200	10.845	10.841	0.004	621673	11.8	
78 Pentachlorophenol	266	10.970	10.966	0.004	268026	9.36	
79 Pentachloronitrobenzene	237	10.979	10.976	0.003	255114	8.98	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.157	11.154	0.003	3182949	10.6	
81 Anthracene	178	11.201	11.197	0.004	3277791	11.6	
83 Carbazole	167	11.321	11.317	0.004	2611456	11.0	
84 Di-n-butyl phthalate	149	11.566	11.562	0.004	4316720	11.7	
87 Fluoranthene	202	12.177	12.173	0.004	2913647	10.8	
86 Benzidine	184	12.273	12.269	0.004	22747	1.24	
85 Pyrene	202	12.403	12.399	0.004	3329676	9.79	
89 Butyl benzyl phthalate	149	13.076	13.072	0.004	1584677	10.3	
91 3,3'-Dichlorobenzidine	252	13.956	13.948	0.008	676696	9.69	
92 Bis(2-ethylhexyl) phthalate	149	13.985	13.981	0.004	3852351	15.8	
93 Benzo[a]anthracene	228	14.028	14.025	0.003	2699529	11.7	
94 Chrysene	228	14.100	14.092	0.008	2414150	11.0	
95 Di-n-octyl phthalate	149	15.379	15.376	0.003	3469104	8.54	
97 Benzo[b]fluoranthene	252	15.990	15.982	0.008	2206287	10.4	
98 Benzo[k]fluoranthene	252	16.029	16.020	0.009	2237593	11.5	
99 Benzo[a]pyrene	252	16.457	16.448	0.009	1856195	10.7	
100 Indeno[1,2,3-cd]pyrene	276	18.342	18.333	0.009	1438481	11.7	
101 Dibenz(a,h)anthracene	278	18.370	18.367	0.003	1152990	11.7	
102 Benzo[g,h,i]perylene	276	18.875	18.867	0.008	1181974	11.7	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 28-Sep-2009 07:19:56 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090925-1.b\B10566.D

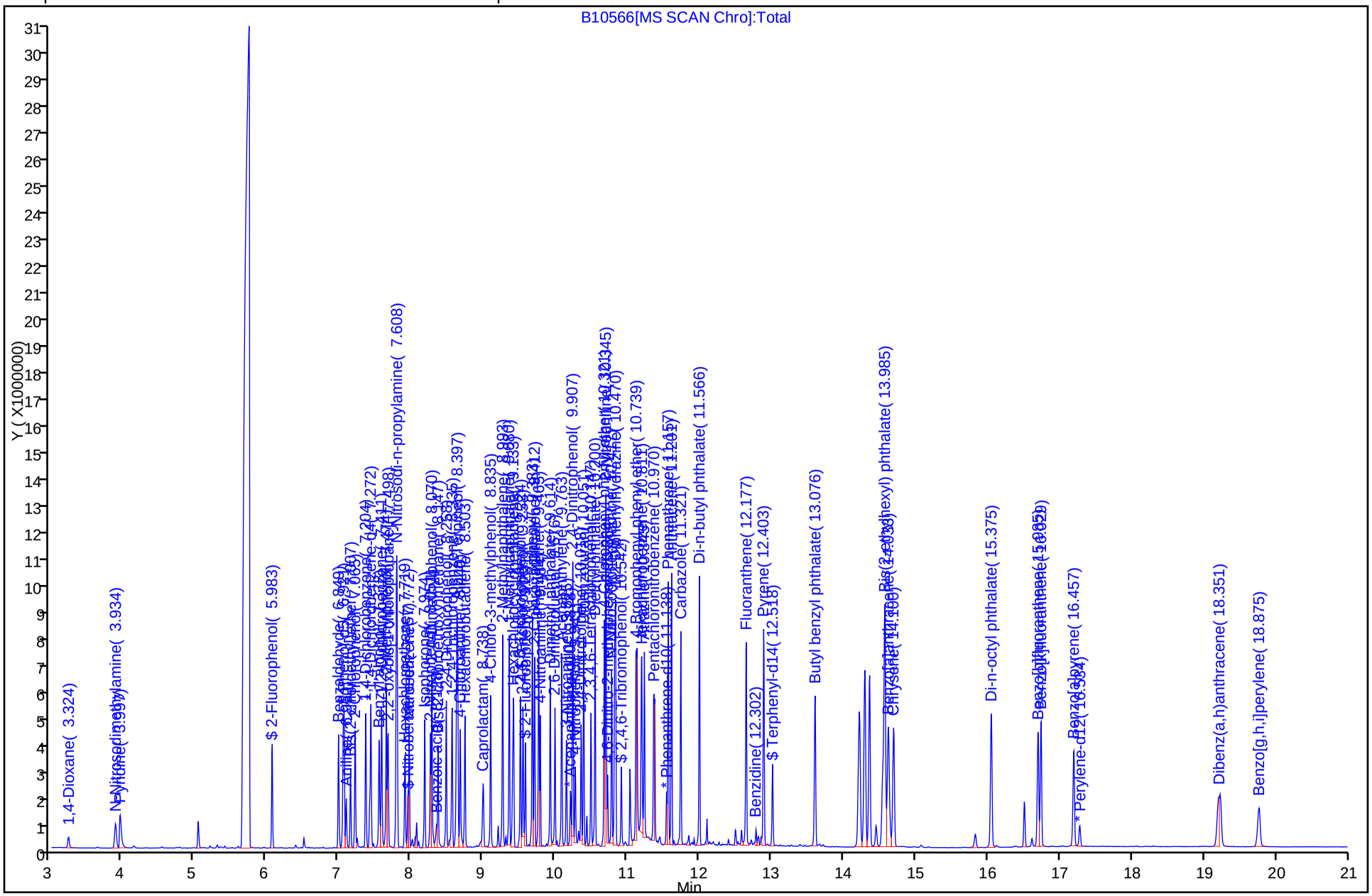
Inj Date: 26-Sep-2009 02:37:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49511 Lims Sample ID: 23

Client ID: Instrument: Inst. B

Sample Info: lcsd 360-49041/3-a

Sample Amount: 1.00 ul Operator: MZ



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Instrument ID: Inst. B Start Date: 09/22/2009 15:01

Analysis Batch Number: 49400 End Date: 09/22/2009 21:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49400/1		09/22/2009 15:01	1	B10475.D	Rtx-5ms 0.25(um)
STD5 360-49400/2 ICIS		09/22/2009 15:32	1	B10476.D	Rtx-5ms 0.25(um)
STD01 360-49400/3 IC		09/22/2009 16:03	1	B10477.D	Rtx-5ms 0.25(um)
STD025 360-49400/4 IC		09/22/2009 16:34	1	B10478.D	Rtx-5ms 0.25(um)
STD05 360-49400/5 IC		09/22/2009 17:05	1	B10479.D	Rtx-5ms 0.25(um)
STD1 360-49400/6 IC		09/22/2009 17:36	1	B10480.D	Rtx-5ms 0.25(um)
STD25 360-49400/7 IC		09/22/2009 18:07	1	B10481.D	Rtx-5ms 0.25(um)
STD8 360-49400/8 IC		09/22/2009 18:38	1	B10482.D	Rtx-5ms 0.25(um)
STD10 360-49400/9 IC		09/22/2009 19:10	1	B10483.D	Rtx-5ms 0.25(um)
STD20 360-49400/10 IC		09/22/2009 19:41	1	B10484.D	Rtx-5ms 0.25(um)
ICV 360-49400/11		09/22/2009 20:12	1		Rtx-5ms 0.25(um)
MB 360-49016/1-A		09/22/2009 20:43	1	B10486.D	Rtx-5ms 0.25(um)
LCS 360-49016/2-A		09/22/2009 21:14	1	B10487.D	Rtx-5ms 0.25(um)
LCSD 360-49016/3-A		09/22/2009 21:45	1	B10488.D	Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Instrument ID: Inst. B Start Date: 09/23/2009 17:49

Analysis Batch Number: 49442 End Date: 09/23/2009 23:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49442/1		09/23/2009 17:49	1	B10511.D	Rtx-5ms 0.25(um)
STD5 360-49442/2 ICIS		09/23/2009 18:20	1	B10512.D	Rtx-5ms 0.25(um)
STD01 360-49442/3 IC		09/23/2009 18:51	1	B10513.D	Rtx-5ms 0.25(um)
STD025 360-49442/4 IC		09/23/2009 19:22	1	B10514.D	Rtx-5ms 0.25(um)
STD05 360-49442/5 IC		09/23/2009 19:54	1	B10515.D	Rtx-5ms 0.25(um)
STD1 360-49442/6 IC		09/23/2009 20:25	1	B10516.D	Rtx-5ms 0.25(um)
STD25 360-49442/7 IC		09/23/2009 20:57	1	B10517.D	Rtx-5ms 0.25(um)
STD8 360-49442/8 IC		09/23/2009 21:29	1	B10518.D	Rtx-5ms 0.25(um)
STD10 360-49442/9 IC		09/23/2009 22:01	1	B10519.D	Rtx-5ms 0.25(um)
STD20 360-49442/10 IC		09/23/2009 22:32	1	B10520.D	Rtx-5ms 0.25(um)
ICV 360-49442/11		09/23/2009 23:04	1		Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Instrument ID: Inst. B Start Date: 09/23/2009 23:36

Analysis Batch Number: 49444 End Date: 09/24/2009 10:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49444/15		09/23/2009 23:36	1	B10522.D	Rtx-5ms 0.25(um)
CCV 360-49444/16 CCVIS		09/24/2009 00:08	1	B10523.D	Rtx-5ms 0.25(um)
ZZZZZ		09/24/2009 00:39	1		Rtx-5ms 0.25(um)
ZZZZZ		09/24/2009 01:11	5		Rtx-5ms 0.25(um)
ZZZZZ		09/24/2009 02:15	1000		Rtx-5ms 0.25(um)
ZZZZZ		09/24/2009 02:47	1000		Rtx-5ms 0.25(um)
ZZZZZ		09/24/2009 03:18	1		Rtx-5ms 0.25(um)
ZZZZZ		09/24/2009 03:50	1		Rtx-5ms 0.25(um)
ZZZZZ		09/24/2009 04:22	1		Rtx-5ms 0.25(um)
ZZZZZ		09/24/2009 04:53	1		Rtx-5ms 0.25(um)
ZZZZZ		09/24/2009 05:25	1		Rtx-5ms 0.25(um)
ZZZZZ		09/24/2009 05:57	1		Rtx-5ms 0.25(um)
360-24499-3	OC-SB-469-28/30-XXX	09/24/2009 06:28	1	B10535.D	Rtx-5ms 0.25(um)
ZZZZZ		09/24/2009 07:00	10		Rtx-5ms 0.25(um)
ZZZZZ		09/24/2009 07:31	1		Rtx-5ms 0.25(um)
ZZZZZ		09/24/2009 08:02	1		Rtx-5ms 0.25(um)
ZZZZZ		09/24/2009 08:34	1		Rtx-5ms 0.25(um)
ZZZZZ		09/24/2009 09:05	10		Rtx-5ms 0.25(um)
ZZZZZ		09/24/2009 09:36	10		Rtx-5ms 0.25(um)
ZZZZZ		09/24/2009 10:07	1		Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Instrument ID: Inst. B Start Date: 09/25/2009 16:56

Analysis Batch Number: 49509 End Date: 09/25/2009 21:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49509/1		09/25/2009 16:56	1	B10545.D	Rtx-5ms 0.25(um)
STD5 360-49509/2 ICIS		09/25/2009 17:23	1	B10546.D	Rtx-5ms 0.25(um)
STD01 360-49509/3 IC		09/25/2009 17:51	1	B10547.D	Rtx-5ms 0.25(um)
STD025 360-49509/4 IC		09/25/2009 18:18	1	B10548.D	Rtx-5ms 0.25(um)
STD05 360-49509/5 IC		09/25/2009 18:46	1	B10549.D	Rtx-5ms 0.25(um)
STD1 360-49509/6 IC		09/25/2009 19:14	1	B10550.D	Rtx-5ms 0.25(um)
STD25 360-49509/7 IC		09/25/2009 19:41	1	B10551.D	Rtx-5ms 0.25(um)
STD8 360-49509/8 IC		09/25/2009 20:09	1	B10552.D	Rtx-5ms 0.25(um)
STD10 360-49509/9 IC		09/25/2009 20:37	1	B10553.D	Rtx-5ms 0.25(um)
STD20 360-49509/10 IC		09/25/2009 21:05	1	B10554.D	Rtx-5ms 0.25(um)
ICV 360-49509/11		09/25/2009 21:32	1		Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Instrument ID: Inst. B Start Date: 09/25/2009 22:00

Analysis Batch Number: 49511 End Date: 09/26/2009 02:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49511/12		09/25/2009 22:00	1	B10556.D	Rtx-5ms 0.25(um)
CCV 360-49511/13 CCVIS		09/25/2009 22:28	1	B10557.D	Rtx-5ms 0.25(um)
ZZZZZ		09/25/2009 22:56	1		Rtx-5ms 0.25(um)
ZZZZZ		09/25/2009 23:23	1		Rtx-5ms 0.25(um)
ZZZZZ		09/25/2009 23:51	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 00:19	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 00:46	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 01:14	1		Rtx-5ms 0.25(um)
MB 360-49041/1-A		09/26/2009 01:41	1	B10564.D	Rtx-5ms 0.25(um)
LCS 360-49041/2-A		09/26/2009 02:09	1	B10565.D	Rtx-5ms 0.25(um)
LCSD 360-49041/3-A		09/26/2009 02:37	1	B10566.D	Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Instrument ID: Inst. B Start Date: 09/26/2009 03:04

Analysis Batch Number: 49517 End Date: 09/26/2009 13:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49517/24		09/26/2009 03:04	1	B10567.D	Rtx-5ms 0.25(um)
CCV 360-49517/25 CCVIS		09/26/2009 03:32	1	B10568.D	Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 03:59	20		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 04:27	2000		Rtx-5ms 0.25(um)
360-24499-15	OC-SB-417-20/22-XXX	09/26/2009 04:54	1	B10571.D	Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 05:22	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 05:49	10		Rtx-5ms 0.25(um)
360-24499-18	OC-SB-434-15/16-XXX	09/26/2009 06:17	1	B10574.D	Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 06:44	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 07:12	10		Rtx-5ms 0.25(um)
360-24499-21	OC-SB-450-33/35-XXX	09/26/2009 07:39	1	B10577.D	Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 08:06	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 08:34	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 09:01	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 09:29	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 09:57	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 10:24	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 10:52	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 11:19	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 11:47	10		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 12:15	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 12:42	10		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 13:10	1		Rtx-5ms 0.25(um)
ZZZZZ		09/26/2009 13:38	1		Rtx-5ms 0.25(um)

Organic Prep Worksheet

Batch Number: 360-49016
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 16 2009 11:53AM
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~360-49016/1		3546, 8270C LL		30.00 g	1.0 mL	50 uL		
LCS~360-49016/2		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
LCSD~360-49016/3		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
360-24444-A-9~MS	OC-SB-467-6.0/8.0-XMS		T	30.36 g	1.0 mL	50 uL	.100 mL	100 uL
360-24444-A-9~MSD	OC-SB-467-6.0/8.0-MSD		T	30.27 g	1.0 mL	50 uL	.100 mL	100 uL
360-24444-A-12	OC-SB-459-0.0/1.0-XXX		T	30.83 g	1.0 mL	50 uL		
360-24444-A-13	OC-SB-459-26/28-XXX		T	30.21 g	1.0 mL	50 uL		
360-24454-A-2	OC-SB-461-28/30-XXX		T	30.18 g	1.0 mL	50 uL		
360-24454-A-3	OC-SB-461-5.0/7.0-XXX		T	30.69 g	1.0 mL	50 uL		
360-24454-A-4	OC-SB-470-0.0/1.0-XXX		T	30.07 g	1.0 mL	50 uL		
360-24454-A-5	OC-SB-470-31/33-XXX		T	30.59 g	1.0 mL	50 uL		
360-24454-A-6	OC-SB-470-7.0/9.0-XXX		T	30.69 g	1.0 mL	50 uL		
360-24454-A-7	OC-SB-472-0.0/1.0-XXX		T	30.40 g	1.0 mL	50 uL		
360-24454-A-8	OC-SB-472-30/32-XXX		T	30.64 g	1.0 mL	50 uL		
360-24454-A-9	OC-SB-472-8.0/10-XXX		T	30.52 g	1.0 mL	50 uL		
360-24499-A-1	OC-SB-466-6.0/8.0-XXX		T	30.34 g	1.0 mL	50 uL		
360-24499-A-2	OC-SB-469-0.0/1.0-XXX		T	30.36 g	1.0 mL	50 uL		
360-24499-A-3	OC-SB-469-28/30-XXX		T	30.58 g	1.0 mL	50 uL		
360-24499-A-4	OC-SB-469-36/37-XXX		T	30.64 g	1.0 mL	50 uL		
360-24499-A-5	OC-SB-469-7.0/9.0-XXX		T	30.83 g	1.0 mL	50 uL		
360-24499-A-6	OC-SB-466-0.0/1.0-XXX		T	30.27 g	1.0 mL	50 uL		
360-24499-A-7	OC-SB-466-30/32-XXX		T	30.14 g	1.0 mL	50 uL		
360-24499-A-14	OC-SB-417-0.0/1.0-XXX		T	30.44 g	1.0 mL	50 uL		
360-24444-A-13	OC-SB-459-26/28-XXX		T	30.21 g	1.0 mL	50 uL		
360-24454-A-2	OC-SB-461-28/30-XXX		T	30.18 g	1.0 mL	50 uL		

Organic Prep Worksheet

Batch Number: 360-49016
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 16 2009 11:53AM
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
360-24454-A-5	OC-SB-470-31/33-XXX		T	30.59 g	1.0 mL	50 uL		
360-24499-A-3	OC-SB-469-28/30-XXX	3546, 8270C LL	T	30.59 g	1.0 mL	50 uL		

Organic Prep Worksheet

Batch Number: 360-49016
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 16 2009 11:53AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~360-49016/1		3546, 8270C LL		microwave tubes cleaned before extraction
LCS~360-49016/2		3546, 8270C LL		
LCSD~360-49016/3		3546, 8270C LL		
360-24444-A-9~MS	OC-SB-467-6.0/8.0-XMS		T	
360-24444-A-9~MSD	OC-SB-467-6.0/8.0-MSD		T	
360-24444-A-12	OC-SB-459-0.0/1.0-XXX		T	
360-24444-A-13	OC-SB-459-26/28-XXX		T	
360-24454-A-2	OC-SB-461-28/30-XXX		T	
360-24454-A-3	OC-SB-461-5.0/7.0-XXX		T	
360-24454-A-4	OC-SB-470-0.0/1.0-XXX		T	
360-24454-A-5	OC-SB-470-31/33-XXX		T	
360-24454-A-6	OC-SB-470-7.0/9.0-XXX		T	
360-24454-A-7	OC-SB-472-0.0/1.0-XXX		T	
360-24454-A-8	OC-SB-472-30/32-XXX		T	
360-24454-A-9	OC-SB-472-8.0/10-XXX		T	
360-24499-A-1	OC-SB-466-6.0/8.0-XXX		T	
360-24499-A-2	OC-SB-469-0.0/1.0-XXX		T	
360-24499-A-3	OC-SB-469-28/30-XXX		T	
360-24499-A-4	OC-SB-469-36/37-XXX		T	
360-24499-A-5	OC-SB-469-7.0/9.0-XXX		T	
360-24499-A-6	OC-SB-466-0.0/1.0-XXX		T	
360-24499-A-7	OC-SB-466-30/32-XXX		T	
360-24499-A-14	OC-SB-417-0.0/1.0-XXX		T	
360-24444-A-13	OC-SB-459-26/28-XXX		T	
360-24454-A-2	OC-SB-461-28/30-XXX		T	

Organic Prep Worksheet

Batch Number: 360-49016
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 16 2009 11:53AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
360-24454-A-5	OC-SB-470-31/33-XXX		T	
360-24499-A-3	OC-SB-469-28/30-XXX	3546, 8270C LL	T	

Organic Prep Worksheet

Batch Number: 360-49041
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 16 2009 3:13PM
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~360-49041/1		3546, 8270C LL		30.00 g	1.0 mL	50 uL		
LCS~360-49041/2		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
LCSD~360-49041/3		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
360-24499-A-15	OC-SB-417-20/22-XXX		T	30.12 g	1.0 mL	50 uL		
360-24499-A-16	OC-SB-417-8.0/10-XXX		T	30.96 g	1.0 mL	50 uL		
360-24499-A-17	OC-SB-434-0.0/1.0-XXX		T	30.55 g	1.0 mL	50 uL		
360-24499-A-18	OC-SB-434-15/16-XXX		T	30.20 g	1.0 mL	50 uL		
360-24499-A-19	OC-SB-434-7.0-/9.0-XXX		T	30.52 g	1.0 mL	50 uL		
360-24499-A-20	OC-SB-450-0.0/1.0-XXX		T	30.31 g	1.0 mL	50 uL		
360-24499-A-21	OC-SB-450-33/35-XXX		T	30.68 g	1.0 mL	50 uL		
360-24499-A-22	OC-SB-450-8.0/10-XXX		T	30.28 g	1.0 mL	50 uL		
360-24563-A-1	OC-SB-427-0.0/1.0-XXX		T	30.06 g	1.0 mL	50 uL		
360-24563-A-2	OC-SB-427-12/14-XXX		T	30.18 g	1.0 mL	50 uL		
360-24563-A-3	OC-SB-427-17/19-XXX		T	30.49 g	1.0 mL	50 uL		
360-24563-A-4	OC-SB-427-8.0/10-DUP		T	30.21 g	1.0 mL	50 uL		
360-24563-A-5	OC-SB-427-8.0/10-XXX		T	30.42 g	1.0 mL	50 uL		
360-24563-A-5~MS	OC-SB-427-8.0/10-XMS		T	30.46 g	1.0 mL	50 uL	.100 mL	100 uL
360-24563-A-5~MSD	OC-SB-427-8.0/10-MSD		T	30.07 g	1.0 mL	50 uL	.100 mL	100 uL
360-24563-A-6	OC-SB-428-0.0/1.0-XXX		T	30.49 g	1.0 mL	50 uL		
360-24563-A-7	OC-SB-428-23/25-XXX		T	30.36 g	1.0 mL	50 uL		
360-24563-A-9	OC-SB-428-8.0/10-XXX		T	30.06 g	1.0 mL	50 uL		
360-24563-A-11	OC-SB-456-0.0/1.0-XXX		T	30.51 g	1.0 mL	50 uL		
360-24563-A-12	OC-SB-456-16/18-XXX		T	30.91 g	1.0 mL	50 uL		
360-24499-A-15	OC-SB-417-20/22-XXX	3546, 8270C LL	T	30.12 g	1.0 mL	50 uL		
360-24499-A-18	OC-SB-434-15/16-XXX	3546, 8270C LL	T	30.20 g	1.0 mL	50 uL		

Organic Prep Worksheet

Batch Number: 360-49041
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 16 2009 3:13PM
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
360-24499-A-21	OC-SB-450-33/35-XXX	3546, 8270C LL	T	30.68 g	1.0 mL	50 uL		
360-24563-A-3	OC-SB-427-17/19-XXX		T	30.49 g	1.0 mL	50 uL		
360-24563-A-7	OC-SB-428-23/25-XXX		T	30.36 g	1.0 mL	50 uL		

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24499-2

SDG No.: OCRI-13A

Project: Olin Chemical Superfund Site

Client Sample ID	Lab Sample ID
OC-SB-469-28/30-XXX	360-24499-3
OC-SB-417-20/22-XXX	360-24499-15
OC-SB-434-15/16-XXX	360-24499-18
OC-SB-450-33/35-XXX	360-24499-21

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-469-28/30-XXX
Lab Sample ID: 360-24499-3
Lab Name: TestAmerica Westfield
Job No.: 360-24499-2
SDG ID.: OCRI-13A
Matrix: Solid
Date Sampled: 09/09/2009 10:40
Reporting Basis: DRY
Date Received: 09/09/2009 18:10
% Solids: 90.4

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	1400	2.9	0.75	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.58	0.21	mg/Kg			1	6010B
7440-38-2	Arsenic	2.2	1.2	0.11	mg/Kg			1	6010B
7440-39-3	Barium	11	0.58	0.075	mg/Kg			1	6010B
7440-41-7	Beryllium	0.046	0.23	0.029	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.38	0.23	0.0081	mg/Kg			1	6010B
7440-70-2	Calcium	1200	12	2.9	mg/Kg		B	1	6010B
7440-47-3	Chromium	33	0.58	0.077	mg/Kg		B	1	6010B
7440-48-4	Cobalt	2.6	0.58	0.075	mg/Kg			1	6010B
7440-50-8	Copper	28	1.2	0.075	mg/Kg			1	6010B
7439-89-6	Iron	21000	5.8	0.92	mg/Kg		B	1	6010B
7439-92-1	Lead	1.1	0.58	0.066	mg/Kg			1	6010B
7439-95-4	Magnesium	280	12	0.58	mg/Kg		B	1	6010B
7439-96-5	Manganese	190	1.2	0.077	mg/Kg			1	6010B
7440-02-0	Nickel	19	1.2	0.075	mg/Kg			1	6010B
7440-09-7	Potassium	320	230	36	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.58	0.27	mg/Kg			1	6010B
7440-22-4	Silver	0.15	0.58	0.058	mg/Kg	J		1	6010B
7440-23-5	Sodium	150	120	15	mg/Kg			1	6010B
7440-28-0	Thallium	0.13	1.2	0.084	mg/Kg	J		1	6010B
7440-62-2	Vanadium	2.8	1.2	0.075	mg/Kg			1	6010B
7440-66-6	Zinc	4.4	2.9	0.68	mg/Kg			1	6010B
7440-31-5	Tin	14	5.8	0.37	mg/Kg		B ^	1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-417-20/22-XXX
Lab Sample ID: 360-24499-15
Lab Name: TestAmerica Westfield
Job No.: 360-24499-2
SDG ID.: OCRI-13A
Matrix: Solid
Date Sampled: 09/10/2009 12:05
Reporting Basis: DRY
Date Received: 09/10/2009 18:20
% Solids: 81.8

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	8000	3.7	0.96	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.74	0.27	mg/Kg			1	6010B
7440-38-2	Arsenic	2.4	1.5	0.13	mg/Kg			1	6010B
7440-39-3	Barium	51	0.74	0.096	mg/Kg			1	6010B
7440-41-7	Beryllium	0.17	0.29	0.037	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.38	0.29	0.010	mg/Kg			1	6010B
7440-70-2	Calcium	4900	15	3.7	mg/Kg		B	1	6010B
7440-47-3	Chromium	27	0.74	0.098	mg/Kg		B	1	6010B
7440-48-4	Cobalt	10	0.74	0.096	mg/Kg			1	6010B
7440-50-8	Copper	27	1.5	0.096	mg/Kg			1	6010B
7439-89-6	Iron	21000	7.4	1.2	mg/Kg		B	1	6010B
7439-92-1	Lead	0.52	0.74	0.084	mg/Kg	J		1	6010B
7439-95-4	Magnesium	5400	15	0.74	mg/Kg		B	1	6010B
7439-96-5	Manganese	130	1.5	0.098	mg/Kg			1	6010B
7440-02-0	Nickel	12	1.5	0.096	mg/Kg			1	6010B
7440-09-7	Potassium	2000	290	46	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.74	0.34	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.74	0.074	mg/Kg			1	6010B
7440-23-5	Sodium	130	150	19	mg/Kg	J		1	6010B
7440-28-0	Thallium	0.14	1.5	0.11	mg/Kg	J		1	6010B
7440-62-2	Vanadium	31	1.5	0.096	mg/Kg			1	6010B
7440-66-6	Zinc	20	3.7	0.87	mg/Kg			1	6010B
7440-31-5	Tin	9.7	7.4	0.47	mg/Kg		B ^	1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-434-15/16-XXX
Lab Sample ID: 360-24499-18
Lab Name: TestAmerica Westfield
Job No.: 360-24499-2
SDG ID.: OCRI-13A
Matrix: Solid
Date Sampled: 09/10/2009 09:35
Reporting Basis: DRY
Date Received: 09/10/2009 18:20
% Solids: 86.9

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	11000	3.4	0.89	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.68	0.25	mg/Kg			1	6010B
7440-38-2	Arsenic	5.8	1.4	0.12	mg/Kg			1	6010B
7440-39-3	Barium	39	0.68	0.089	mg/Kg			1	6010B
7440-41-7	Beryllium	0.31	0.27	0.034	mg/Kg			1	6010B
7440-43-9	Cadmium	0.41	0.27	0.0096	mg/Kg			1	6010B
7440-70-2	Calcium	4400	14	3.4	mg/Kg		B	1	6010B
7440-47-3	Chromium	40	0.68	0.091	mg/Kg		B	1	6010B
7440-48-4	Cobalt	11	0.68	0.089	mg/Kg			1	6010B
7440-50-8	Copper	31	1.4	0.089	mg/Kg			1	6010B
7439-89-6	Iron	22000	6.8	1.1	mg/Kg		B	1	6010B
7439-92-1	Lead	2.4	0.68	0.078	mg/Kg			1	6010B
7439-95-4	Magnesium	5400	14	0.68	mg/Kg		B	1	6010B
7439-96-5	Manganese	200	1.4	0.091	mg/Kg			1	6010B
7440-02-0	Nickel	18	1.4	0.089	mg/Kg			1	6010B
7440-09-7	Potassium	2000	270	43	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.68	0.32	mg/Kg			1	6010B
7440-22-4	Silver	0.13	0.68	0.069	mg/Kg	J		1	6010B
7440-23-5	Sodium	320	140	18	mg/Kg			1	6010B
7440-28-0	Thallium	0.12	1.4	0.099	mg/Kg	J		1	6010B
7440-62-2	Vanadium	37	1.4	0.089	mg/Kg			1	6010B
7440-66-6	Zinc	32	3.4	0.81	mg/Kg			1	6010B
7440-31-5	Tin	15	6.8	0.44	mg/Kg		B ^	1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-450-33/35-XXX
Lab Sample ID: 360-24499-21
Lab Name: TestAmerica Westfield
Job No.: 360-24499-2
SDG ID.: OCRI-13A
Matrix: Solid
Date Sampled: 09/09/2009 16:55
Reporting Basis: DRY
Date Received: 09/10/2009 18:20
% Solids: 91.0

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7900	3.2	0.83	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.64	0.23	mg/Kg			1	6010B
7440-38-2	Arsenic	4.5	1.3	0.12	mg/Kg			1	6010B
7440-39-3	Barium	24	0.64	0.083	mg/Kg			1	6010B
7440-41-7	Beryllium	0.23	0.26	0.032	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.23	0.26	0.0089	mg/Kg	J		1	6010B
7440-70-2	Calcium	2600	13	3.2	mg/Kg		B	1	6010B
7440-47-3	Chromium	18	0.64	0.085	mg/Kg		B	1	6010B
7440-48-4	Cobalt	6.6	0.64	0.083	mg/Kg			1	6010B
7440-50-8	Copper	20	1.3	0.083	mg/Kg			1	6010B
7439-89-6	Iron	13000	6.4	1.0	mg/Kg		B	1	6010B
7439-92-1	Lead	1.7	0.64	0.073	mg/Kg			1	6010B
7439-95-4	Magnesium	4000	13	0.64	mg/Kg		B	1	6010B
7439-96-5	Manganese	100	1.3	0.085	mg/Kg			1	6010B
7440-02-0	Nickel	13	1.3	0.083	mg/Kg			1	6010B
7440-09-7	Potassium	1500	260	40	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.64	0.30	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.64	0.064	mg/Kg			1	6010B
7440-23-5	Sodium	150	130	17	mg/Kg			1	6010B
7440-28-0	Thallium	ND	1.3	0.092	mg/Kg			1	6010B
7440-62-2	Vanadium	21	1.3	0.083	mg/Kg			1	6010B
7440-66-6	Zinc	21	3.2	0.75	mg/Kg			1	6010B
7440-31-5	Tin	6.5	6.4	0.41	mg/Kg		B ^	1	6010B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	ICV 360-49723/6 09/30/2009 11:58				CCV 360-49723/13 09/30/2009 12:18				CCV 360-49723/21 09/30/2009 14:47			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	1000		1000	100	997		1000	100	990		1000	99
Al	995		1000	99	4960		5000	99	4930		5000	99
As	997		1000	100	995		1000	99	991		1000	99
Ba	998		1000	100	991		1000	99	984		1000	98
Be	1010		1000	101	995		1000	100	987		1000	99
Cd	1000		1000	100	993		1000	99	982		1000	98
Co	1010		1000	101	993		1000	99	984		1000	98
Cr	996		1000	100	993		1000	99	985		1000	99
Cu	987		1000	99	991		1000	99	989		1000	99
Fe	973		1000	97	4970		5000	99	4920		5000	98
K	9090		10000	91	19800		20000	99	20300		20000	101
Mn	1000		1000	100	993		1000	99	985		1000	98
Ni	1000		1000	100	995		1000	100	981		1000	98
Pb	1010		1000	101	992		1000	99	983		1000	98
Sb	971		1000	97	994		1000	99	990		1000	99
Se	1010		1000	101	994		1000	99	986		1000	99
Tl	1000		1000	100	1000		1000	100	986		1000	99
V	1010		1000	101	993		1000	99	987		1000	99
Zn	1010		1000	101	994		1000	99	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.: 360-24499-2

SDG No.: OCRI-13A

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49723/29 09/30/2009 15:26				CCV 360-49723/41 09/30/2009 16:00				CCV 360-49723/56 09/30/2009 16:43			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	1000		1000	100	1010		1000	101	1000		1000	100
Al	4980		5000	100	5010		5000	100	4990		5000	100
As	999		1000	100	1010		1000	101	1000		1000	100
Ba	993		1000	99	997		1000	100	993		1000	99
Be	1000		1000	100	1010		1000	101	1000		1000	100
Cd	995		1000	100	999		1000	100	998		1000	100
Co	997		1000	100	1000		1000	100	999		1000	100
Cr	998		1000	100	1000		1000	100	997		1000	100
Cu	1000		1000	100	992		1000	99	999		1000	100
Fe	4990		5000	100	5030		5000	101	5010		5000	100
K	20300		20000	102	20300		20000	101	20300		20000	101
Mn	997		1000	100	1000		1000	100	999		1000	100
Ni	997		1000	100	997		1000	100	997		1000	100
Pb	997		1000	100	1000		1000	100	1000		1000	100
Sb	1010		1000	101	1000		1000	100	996		1000	100
Se	998		1000	100	1000		1000	100	998		1000	100
Tl	1000		1000	100	1000		1000	100	999		1000	100
V	1000		1000	100	1000		1000	100	1000		1000	100
Zn	996		1000	100	1000		1000	100	1000		1000	100

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.: 360-24499-2

SDG No.: OCRI-13A

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	ICV 360-49723/6 09/30/2009 11:58				CCV 360-49723/13 09/30/2009 12:18				CCV 360-49723/21 09/30/2009 14:47			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	10100		10000	101	19900		20000	99	19700		20000	99
Mg	9950		10000	100	19900		20000	99	19700		20000	98
Na	9280		10000	93	19800		20000	99	19500		20000	98
Sn	992		1000	99	993		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.: 360-24499-2

SDG No.: OCRI-13A

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49723/29 09/30/2009 15:26				CCV 360-49723/41 09/30/2009 16:00				CCV 360-49723/56 09/30/2009 16:43			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	20000		20000	100	20100		20000	100	20000		20000	100
Mg	20000		20000	100	20100		20000	100	20000		20000	100
Na	19800		20000	99	20000		20000	100	19900		20000	100
Sn	995		1000	99	999		1000	100	997		1000	100

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.: 360-24499-2

SDG No.: OCRI-13A

Analysis Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-49723/8 Concentration Units: ug/L

CRQL Check Standard Source: CRI-RL ICP_00004

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	104		104	70-130
Antimony	10.0	9.39	J	94	70-130
Arsenic	10.0	9.77	J	98	70-130
Barium	10.0	11.2		112	70-130
Beryllium	1.00	1.01		101	70-130
Cadmium	1.00	1.04		104	70-130
Calcium	400	420		105	70-130
Chromium	5.00	5.24		105	70-130
Cobalt	10.0	10.7		107	70-130
Copper	10.0	10.7		107	70-130
Iron	100	105		105	70-130
Lead	5.00	5.33		107	70-130
Magnesium	400	427		107	70-130
Manganese	10.0	10.8		108	70-130
Nickel	10.0	10.8		108	70-130
Potassium	4000	4070		102	70-130
Selenium	10.0	12.1		121	70-130
Silver	5.00	4.14	J	83	70-130
Sodium	2000	1940	J	97	70-130
Thallium	10.0	11.9		119	70-130
Vanadium	10.0	10.4		104	70-130
Zinc	50.0	52.8		106	70-130
Tin	50.0	29.8	J	60	70-130

Lab Sample ID: CRI 360-49723/9 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	6.00	4.80	J	80	70-130
Arsenic	50.0	49.4		99	70-130
Barium	2000	2130		107	70-130
Beryllium	4.00	4.17		104	70-130
Cadmium	5.00	5.21		104	70-130
Chromium	100	108		108	70-130
Lead	15.0	16.9		113	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.: 360-24499-2

SDG No.: OCRI-13A

Analysis Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-49723/9 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Nickel	100	111		111	70-130
Selenium	50.0	50.4		101	70-130
Silver	7.00	7.31		104	70-130
Thallium	2.00	2.38	J	119	70-130
Vanadium	50.0	52.2		104	70-130
Zinc	900	959		107	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.: 360-24499-2

SDG No.: OCRI-13A

Concentration Units: ug/L

Analyte	RL	ICB 360-49723/7 09/30/2009 12:01		CCB 360-49723/14 09/30/2009 12:21		CCB 360-49723/22 09/30/2009 14:50		CCB 360-49723/30 09/30/2009 15:29	
		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	ND		ND		ND		4.67	J
Se	10	ND		ND		ND		2.74	J
Sn	50	ND		ND		ND		ND	
Tl	10	2.40	J	1.83	J	1.99	J	2.63	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.: 360-24499-2

SDG No.: OCRI-13A

Concentration Units: ug/L

Analyte	RL	CCB 360-49723/42 09/30/2009 16:03		CCB 360-49723/57 09/30/2009 16:46					
		Found	C	Found	C	Found	C	Found	C
Ag	5.0	ND		ND					
Al	100	ND		ND					
As	10	ND		ND					
Ba	10	ND		ND					
Be	1.0	ND		ND					
Ca	400	ND		ND					
Cd	1.0	ND		0.208	J				
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	3.07	J	ND					
Sn	50	ND		ND					
Tl	10	2.14	J	ND					
V	10	ND		ND					
Zn	50	ND		ND					

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Concentration Units: mg/Kg Lab Sample ID: MB 360-49675/1-A

Instrument Code: Varian ICP Batch No.: 49723

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	6.54	J		6010B
7440-47-3	Chromium	0.0755	J		6010B
7440-48-4	Cobalt	ND			6010B
7440-50-8	Copper	ND			6010B
7439-89-6	Iron	0.867	J		6010B
7439-92-1	Lead	ND			6010B
7439-95-4	Magnesium	1.66	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	0.468	J		6010B

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Lab Sample ID: ICSA 360-49723/10 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		**0.331**	
Al	**100000**	**114085**	**114**
As		**0.584**	
Ba		**0.536**	
Be		**0.0108**	
Ca	**100000**	**105786**	**106**
Cd		**0.715**	
Co		**1.47**	
Cr		**0.343**	
Cu		**0.657**	
Fe	**40000**	**44507**	**111**
K		**2377**	
Mg	**100000**	**111182**	**111**
Mn		**3.41**	
Na		**130**	
Ni		**4.80**	
Pb		**-1.69**	
Sb		**-1.47**	
Se		**-3.05**	
Sn		**2.79**	
Tl		**0.103**	
V		**2.27**	
Zn		**1.53**	
B		*7.76*	
Li		*0.919*	
Mo		*-0.0667*	
Si		*-4.34*	
Si		*-2.53*	
SiO2		*-9.28*	
Sr		*0.605*	
Ti		*1.76*	
Zr		*0.628*	

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.: 360-24499-2

SDG No.: OCRI-13A

Lab Sample ID: ICSAB 360-49723/11 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**	**617**	**103**
Al	**100000**	**112423**	**112**
As	**2000**	**2001**	**100**
Ba	**600**	**589**	**98**
Be	**200**	**192**	**96**
Ca	**100000**	**103461**	**103**
Cd	**600**	**579**	**96**
Co	**600**	**581**	**97**
Cr	**600**	**576**	**96**
Cu	**600**	**604**	**101**
Fe	**40000**	**43733**	**109**
K	**40000**	**42904**	**107**
Mg	**100000**	**108181**	**108**
Mn	**400**	**387**	**97**
Na		**-44.7**	
Ni	**600**	**583**	**97**
Pb	**2000**	**1893**	**95**
Sb		**946**	
Se	**1000**	**982**	**98**
Sn		**257**	
Tl	**2000**	**1891**	**95**
V	**600**	**592**	**99**
Zn	**600**	**557**	**93**
B		*5.93*	
Li		*0.950*	
Mo		*-0.295*	
Si		*-2.70*	
Si		*-0.337*	
SiO2		*-5.77*	
Sr		*0.624*	
Ti		*1.70*	
Zr		*1.01*	

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.: 360-24499-2

SDG No.: OCRI-13A

Lab Sample ID: ICSA 360-49723/58 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		**0.144**	
Al	**100000**	**114877**	**115**
As		**0.0257**	
Ba		**0.420**	
Be		**0.0143**	
Ca	**100000**	**106074**	**106**
Cd		**0.829**	
Co		**1.74**	
Cr		**0.314**	
Cu		**0.706**	
Fe	**40000**	**44753**	**112**
K		**2445**	
Mg	**100000**	**111538**	**112**
Mn		**3.48**	
Na		**110**	
Ni		**5.15**	
Pb		**-1.50**	
Sb		**-0.230**	
Se		**-5.22**	
Sn		**2.85**	
Tl		**1.53**	
V		**2.08**	
Zn		**0.629**	
B		*12.1*	
Li		*0.923*	
Mo		*1.05*	
Si		*0.0111*	
Si		*0.764*	
SiO2		*0.0237*	
Sr		*0.607*	
Ti		*2.02*	
Zr		*0.808*	

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.: 360-24499-2

SDG No.: OCRI-13A

Lab Sample ID: ICSAB 360-49723/59 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**	**620**	**103**
Al	**100000**	**112770**	**113**
As	**2000**	**2002**	**100**
Ba	**600**	**588**	**98**
Be	**200**	**192**	**96**
Ca	**100000**	**103595**	**104**
Cd	**600**	**579**	**96**
Co	**600**	**580**	**97**
Cr	**600**	**576**	**96**
Cu	**600**	**603**	**101**
Fe	**40000**	**43908**	**110**
K	**40000**	**43644**	**109**
Mg	**100000**	**108370**	**108**
Mn	**400**	**388**	**97**
Na		**3.77**	
Ni	**600**	**582**	**97**
Pb	**2000**	**1896**	**95**
Sb		**941**	
Se	**1000**	**975**	**98**
Sn		**258**	
Tl	**2000**	**1889**	**94**
V	**600**	**593**	**99**
Zn	**600**	**563**	**94**
B		*8.60*	
Li		*0.880*	
Mo		*0.0634*	
Si		*-0.450*	
Si		*0.867*	
SiO2		*-0.964*	
Sr		*0.626*	
Ti		*1.87*	
Zr		*1.75*	

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

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: OC-SB-469-28/30-XXX MS
Lab ID: 360-24499-3 MS
Lab Name: TestAmerica Westfield
Job No.: 360-24499-2
SDG No.: OCRI-13A
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 90.4

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	1500		1400		286	51	75-125	4	6010B
Antimony	34.9		ND		57.3	61	75-125	F	6010B
Arsenic	51.8		2.2		57.3	87	75-125		6010B
Barium	65.1		11		57.3	94	75-125		6010B
Beryllium	51.3		0.046	J	57.3	89	75-125		6010B
Cadmium	50.6		0.38		57.3	88	75-125		6010B
Calcium	1580		1200		1150	31	75-125	F	6010B
Chromium	63.2		33		57.3	52	75-125	F	6010B
Cobalt	52.0		2.6		57.3	86	75-125		6010B
Copper	54.2		28		57.3	46	75-125	F	6010B
Iron	2530		21000		286	-6410	75-125	4	6010B
Lead	51.4		1.1		57.3	88	75-125		6010B
Magnesium	1360		280		1150	94	75-125		6010B
Manganese	77.1		190		57.3	-196	75-125	F	6010B
Nickel	52.2		19		57.3	58	75-125	F	6010B
Potassium	1430		320		1150	96	75-125		6010B
Selenium	50.0		ND		57.3	87	75-125		6010B
Silver	50.5		0.15	J	57.3	88	75-125		6010B
Sodium	1120		150		1150	85	75-125		6010B
Thallium	48.9		0.13	J	57.3	85	75-125		6010B
Vanadium	55.1		2.8		57.3	91	75-125		6010B
Zinc	54.0		4.4		57.3	87	75-125		6010B
Tin	54.6		14		57.3	71	75-125	F	6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: OC-SB-469-28/30-XXX PDS
Lab ID: 360-24499-3 PDS
Lab Name: TestAmerica Westfield
Job No.: 360-24499-2
SDG No.: OCRI-13A
Matrix: Solid
Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	1580		1400		289	79	75-125		6010B
Antimony	52.7		ND		57.9	91	75-125		6010B
Arsenic	55.8		2.2		57.9	93	75-125		6010B
Barium	64.3		11		57.9	91	75-125		6010B
Beryllium	53.1		0.046	J	57.9	92	75-125		6010B
Cadmium	52.8		0.38		57.9	91	75-125		6010B
Calcium	2270		1200		1160	91	75-125		6010B
Chromium	85.3		33		57.9	90	75-125		6010B
Cobalt	55.2		2.6		57.9	91	75-125		6010B
Copper	81.5		28		57.9	92	75-125		6010B
Iron	20000		21000		289	NC	75-125		6010B
Lead	52.5		1.1		57.9	89	75-125		6010B
Magnesium	1290		280		1160	87	75-125		6010B
Manganese	229		190		57.9	68	75-125	W	6010B
Nickel	70.6		19		57.9	89	75-125		6010B
Potassium	1310		320		1160	85	75-125		6010B
Selenium	51.0		ND		57.9	88	75-125		6010B
Silver	53.6		0.15	J	57.9	92	75-125		6010B
Sodium	1100		150		1160	82	75-125		6010B
Thallium	50.4		0.13	J	57.9	87	75-125		6010B
Vanadium	56.8		2.8		57.9	93	75-125		6010B
Zinc	56.1		4.4		57.9	89	75-125		6010B
Tin	65.5		14		57.9	89	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

6-IN
DUPLICATES
METALS

Client ID: OC-SB-469-28/30-XXX DU
Lab ID: 360-24499-3 DU
Lab Name: TestAmerica Westfield
Job No.: 360-24499-2
SDG No.: OCRI-13A
% Solids for Sample: 90.4
% Solids for Duplicate: 90.4
Matrix: Solid
Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Aluminum	2.9	1400		758		56	F	6010B
Antimony	0.57	ND		ND		NC		6010B
Arsenic	1.1	2.2		0.920	J	84	F	6010B
Barium	0.57	11		13.3		16		6010B
Beryllium	0.23	0.046	J	0.0391	J	16		6010B
Cadmium	0.23	0.38		0.0448	J	158	F	6010B
Calcium	11	1200		416		98	F	6010B
Chromium	0.57	33		10.2		106	F	6010B
Cobalt	0.57	2.6		0.748		111	F	6010B
Copper	1.1	28		2.30		170	F	6010B
Iron	5.7	21000		1790		168	F	6010B
Lead	0.57	1.1		1.72		42	F	6010B
Magnesium	11	280		219		25		6010B
Manganese	1.1	190		17.9		166	F	6010B
Nickel	1.1	19		1.21		176	F	6010B
Potassium	230	320		286		12		6010B
Selenium	0.57	ND		ND		NC		6010B
Silver	0.57	0.15	J	ND		NC		6010B
Sodium	110	150		118		23		6010B
Thallium	1.1	0.13	J	ND		NC		6010B
Vanadium	1.1	2.8		2.25		23		6010B
Zinc	2.9	4.4		3.22		31		6010B
Tin	5.7	14		4.32	J	105	F	6010B

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

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 360-49675/2-A

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

Sample Matrix: Solid LCS Source: stlma-3_00041

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	250	226		90	80	120		6010B
Antimony	50.0	40.8		82	80	120		6010B
Arsenic	50.0	45.4		91	80	120		6010B
Barium	50.0	46.3		93	80	120		6010B
Beryllium	50.0	45.6		91	80	120		6010B
Cadmium	50.0	45.4		91	80	120		6010B
Calcium	1000	929		93	80	120		6010B
Chromium	50.0	46.2		92	80	120		6010B
Cobalt	50.0	45.8		92	80	120		6010B
Copper	50.0	46.2		92	80	120		6010B
Iron	250	230		92	80	120		6010B
Lead	50.0	45.2		90	80	120		6010B
Magnesium	1000	896		90	80	120		6010B
Manganese	50.0	46.2		92	80	120		6010B
Nickel	50.0	45.5		91	80	120		6010B
Potassium	1000	866		87	80	120		6010B
Selenium	50.0	45.3		91	80	120		6010B
Silver	50.0	45.8		92	80	120		6010B
Sodium	1000	887		89	80	120		6010B
Thallium	50.0	44.7		89	80	120		6010B
Vanadium	50.0	46.3		93	80	120		6010B
Zinc	50.0	44.9		90	80	120		6010B
Tin	50.0	45.5		91	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 360-49675/3-A

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

Sample Matrix: Solid LCS Source: stlma-3_00041

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	224		250	89	80-120	1	30		6010B
Antimony	41.8		50.0	84	80-120	2	30		6010B
Arsenic	44.8		50.0	90	80-120	1	30		6010B
Barium	45.3		50.0	91	80-120	2	30		6010B
Beryllium	44.6		50.0	89	80-120	2	30		6010B
Cadmium	44.9		50.0	90	80-120	1	30		6010B
Calcium	911		1000	91	80-120	2	30		6010B
Chromium	45.2		50.0	90	80-120	2	30		6010B
Cobalt	45.1		50.0	90	80-120	2	30		6010B
Copper	44.8		50.0	90	80-120	3	30		6010B
Iron	226		250	90	80-120	2	30		6010B
Lead	44.8		50.0	90	80-120	1	30		6010B
Magnesium	890		1000	89	80-120	1	30		6010B
Manganese	45.2		50.0	90	80-120	2	30		6010B
Nickel	44.8		50.0	90	80-120	2	30		6010B
Potassium	866		1000	87	80-120	0	30		6010B
Selenium	44.4		50.0	89	80-120	2	30		6010B
Silver	45.1		50.0	90	80-120	1	30		6010B
Sodium	885		1000	89	80-120	0	30		6010B
Thallium	44.6		50.0	89	80-120	0	30		6010B
Vanadium	45.3		50.0	91	80-120	2	30		6010B
Zinc	44.6		50.0	89	80-120	1	30		6010B
Tin	44.9		50.0	90	80-120	1	30		6010B

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 360-24499-3

SDG No: OCRI-13A

Lab Name: TestAmerica Westfield Job No: 360-24499-2

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	1400		1340		0.49		6010B
Antimony	ND		ND		NC		6010B
Arsenic	2.2		2.43	J	NC		6010B
Barium	11		12.1		6.5		6010B
Beryllium	0.046	J	ND		NC		6010B
Cadmium	0.38		0.369	J	NC		6010B
Calcium	1200		1200		1.5		6010B
Chromium	33		34.6		3.9		6010B
Cobalt	2.6		2.73	J	NC		6010B
Copper	28		28.6		1.8		6010B
Iron	21000		22100		5.7		6010B
Lead	1.1		0.588	J	NC		6010B
Magnesium	280		311		11	V	6010B
Manganese	190		205		8.5		6010B
Nickel	19		20.4		6.2		6010B
Potassium	320		231	J	NC		6010B
Selenium	ND		ND		NC		6010B
Silver	0.15	J	ND		NC		6010B
Sodium	150		119	J	NC		6010B
Thallium	0.13	J	ND		NC		6010B
Vanadium	2.8		2.96	J	NC		6010B
Zinc	4.4		4.89	J	NC		6010B
Tin	14		14.2	J	NC		6010B

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24499-2

SDG Number: OCRI-13A

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

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24499-2

SDG No.: OCRI-13A

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: 360-24499-2

SDG No.: OCRI-13A

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														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24499-2

SDG No.: OCRI-13A

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: 360-24499-2

SDG No.: OCRI-13A

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: 360-24499-2

SDG No.: OCRI-13A

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: 360-24499-2

SDG No.: OCRI-13A

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: 360-24499-2

SDG No.: OCRI-13A

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: 360-24499-2

SDG No.: OCRI-13A

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: 360-24499-2

SDG No.: OCRI-13A

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		1100	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Preparation Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 360-49675/1-A	09/30/2009 10:04	49675	2.0		100
LCS 360-49675/2-A	09/30/2009 10:04	49675	2.0		100
LCSD 360-49675/3-A	09/30/2009 10:04	49675	2.0		100
360-24499-3	09/30/2009 10:04	49675	1.91		100
360-24499-3 DU	09/30/2009 10:04	49675	1.93		100
360-24499-3 MS	09/30/2009 10:04	49675	1.93		100
360-24499-15	09/30/2009 10:04	49675	1.66		100
360-24499-18	09/30/2009 10:04	49675	1.68		100
360-24499-21	09/30/2009 10:04	49675	1.72		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/30/2009 11:44 End Date: 09/30/2009 16:55

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			11:44																				
ZZZZZZ			11:47																				
ZZZZZZ			11:49																				
ZZZZZZ			11:52																				
ZZZZZZ			11:55																				
ICV 360-49723/6	1		11:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 360-49723/7	1		12:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 360-49723/8	1		12:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 360-49723/9	1		12:07	X		X	X	X		X		X							X	X	X	X	
ICSA 360-49723/10	1		12:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 360-49723/11	1		12:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			12:16																				
CCV 360-49723/13	1		12:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49723/14	1		12:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 360-49723/15			12:24																				
ICV 360-49723/16			12:27																				
ICV 360-49723/17			12:30																				
CRI 360-49723/18			12:41																				
CCV 360-49723/19			13:01																				
CCB 360-49723/20			13:04																				
CCV 360-49723/21	1		14:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49723/22	1		14:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 360-49675/1-A	1	T	15:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 360-49675/2-A	1	T	15:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSD 360-49675/3-A	1	T	15:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24499-3	1	T	15:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24499-3 DU	1	T	15:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24499-3 MS	1	T	15:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 360-49723/29	1		15:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49723/30	1		15:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24499-3 SD	5	T	15:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24499-3 PDS	1	T	15:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24499-15	1	T	15:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24499-18	1	T	15:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24499-21	1	T	15:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:46																				
ZZZZZZ			15:49																				
ZZZZZZ			15:52																				
ZZZZZZ			15:55																				
ZZZZZZ			15:57																				
CCV 360-49723/41	1		16:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49723/42	1		16:03	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.: 360-24499-2

SDG No.: OCRI-13A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/30/2009 11:44 End Date: 09/30/2009 16:55

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			16:06																				
ZZZZZZ			16:09																				
ZZZZZZ			16:12																				
ZZZZZZ			16:15																				
ZZZZZZ			16:18																				
ZZZZZZ			16:20																				
ZZZZZZ			16:23																				
ZZZZZZ			16:26																				
ZZZZZZ			16:29																				
ZZZZZZ			16:32																				
CCV 360-49723/53			16:35																				
CCB 360-49723/54			16:38																				
ZZZZZZ			16:41																				
CCV 360-49723/56	1		16:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49723/57	1		16:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 360-49723/58	1		16:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 360-49723/59	1		16:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:55																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/30/2009 11:44 End Date: 09/30/2009 16:55

Lab Sample ID	D/F	Type	Time	Analytes																			
				Tl	V	Zn																	
ZZZZZZ			11:44																				
ZZZZZZ			11:47																				
ZZZZZZ			11:49																				
ZZZZZZ			11:52																				
ZZZZZZ			11:55																				
ICV 360-49723/6	1		11:58	X	X	X																	
ICB 360-49723/7	1		12:01	X	X	X																	
CRI 360-49723/8	1		12:04	X	X	X																	
CRI 360-49723/9	1		12:07	X	X	X																	
ICSA 360-49723/10	1		12:10	X	X	X																	
ICSAB 360-49723/11	1		12:13	X	X	X																	
ZZZZZZ			12:16																				
CCV 360-49723/13	1		12:18	X	X	X																	
CCB 360-49723/14	1		12:21	X	X	X																	
ICB 360-49723/15			12:24																				
ICV 360-49723/16			12:27																				
ICV 360-49723/17			12:30																				
CRI 360-49723/18			12:41																				
CCV 360-49723/19			13:01																				
CCB 360-49723/20			13:04																				
CCV 360-49723/21	1		14:47	X	X	X																	
CCB 360-49723/22	1		14:50	X	X	X																	
MB 360-49675/1-A	1	T	15:09	X	X	X																	
LCS 360-49675/2-A	1	T	15:11	X	X	X																	
LCSD 360-49675/3-A	1	T	15:14	X	X	X																	
360-24499-3	1	T	15:17	X	X	X																	
360-24499-3 DU	1	T	15:20	X	X	X																	
360-24499-3 MS	1	T	15:23	X	X	X																	
CCV 360-49723/29	1		15:26	X	X	X																	
CCB 360-49723/30	1		15:29	X	X	X																	
360-24499-3 SD	5	T	15:32	X	X	X																	
360-24499-3 PDS	1	T	15:34	X	X	X																	
360-24499-15	1	T	15:37	X	X	X																	
360-24499-18	1	T	15:40	X	X	X																	
360-24499-21	1	T	15:43	X	X	X																	
ZZZZZZ			15:46																				
ZZZZZZ			15:49																				
ZZZZZZ			15:52																				
ZZZZZZ			15:55																				
ZZZZZZ			15:57																				
CCV 360-49723/41	1		16:00	X	X	X																	
CCB 360-49723/42	1		16:03	X	X	X																	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24499-2

SDG No.: OCRI-13A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/30/2009 11:44 End Date: 09/30/2009 16:55

Lab Sample ID	D/F	Type	Time	Analytes																			
				Tl	V	Zn																	
ZZZZZZ			16:06																				
ZZZZZZ			16:09																				
ZZZZZZ			16:12																				
ZZZZZZ			16:15																				
ZZZZZZ			16:18																				
ZZZZZZ			16:20																				
ZZZZZZ			16:23																				
ZZZZZZ			16:26																				
ZZZZZZ			16:29																				
ZZZZZZ			16:32																				
CCV 360-49723/53			16:35																				
CCB 360-49723/54			16:38																				
ZZZZZZ			16:41																				
CCV 360-49723/56	1		16:43	X	X	X																	
CCB 360-49723/57	1		16:46	X	X	X																	
ICSA 360-49723/58	1		16:49	X	X	X																	
ICSAB 360-49723/59	1		16:52	X	X	X																	
ZZZZZZ			16:55																				

Prep Types
T = Total/NA

MET093009tjs@720/725/730/735-ES@Quant@. All Data Report 10/1/2009, 7:04:46 AM

Blank (Blk) **9/30/2009, 11:44:10 AM** **Rack 0, Tube 1**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	0.000000	ug/L	0.421	10.6	3.97400
Al 237.312	0.000000	ug/L	0.418	7.4	5.62994
As 188.980	0.000000	ug/L	2.141	95.2	2.24870
B 249.678	0.000000	ug/L	9.723	60.4	16.0854
Ba 493.408	0.000000	ug/L	3.536	3.3	107.660
Be 313.042	0.000000	ug/L	7.177	10.9	65.6663
Ca 373.690	0.000000	ug/L	4.514	28.3	15.9623
Cd 214.439	0.000000	ug/L	1.771	54.5	3.25163
Co 228.615	0.000000	ug/L	2.438	24.3	10.0196
Cr 267.716	0.000000	ug/L	0.853	3.8	22.1509
Cu 327.395	0.000000	ug/L	7.337	11.4	64.6113
Fe 273.955	0.000000	ug/L	0.440	2.1	20.7176
K 404.721	0.000000	ug/L	1.139	9.2	12.4099
Li 610.365	0.000000	ug/L	3.587	80.5	4.45410
Mg 279.078	0.000000	ug/L	2.772	30.6	9.06354
Mn 257.610	0.000000	ug/L	1.262	4.8	26.2111
Mo 202.032	0.000000	ug/L	2.312	13.9	16.6122
Na 330.237	0.000000	ug/L	0.261	2.1	12.1730
Ni 216.555	0.000000	ug/L	1.762	64.7	2.72156
Pb 220.353	0.000000	ug/L	2.440	40.0	6.09595
Sb 217.582	0.000000	ug/L	0.884	19.3	4.57877
Se 196.026	0.000000	ug/L	1.599	51.0	3.13665
Si 251.611	0.000000	ug/L	2.256	4.1	54.5446
Si 288.158	0.000000	ug/L	7.202	1.6	461.653
Sn 283.998	0.000000	ug/L	2.847	35.5	8.01190
Sr 421.552	0.000000	ug/L	6.092	26.5	22.9875
Ti 336.122	0.000000	ug/L	8.540	29.6	28.8824
Tl 190.794	0.000000	ug/L	0.927	59.3	1.56473
V 292.401	0.000000	ug/L	2.145	15.8	13.5606
Zn 202.548	0.000000	ug/L	1.322	3.0	44.1462
Zr 339.198	0.000000	ug/L	0.226	9.0	2.51147

Standard 1 (Std) **9/30/2009, 11:47:04 AM** **Rack 0, Tube 2**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	1000.00	ug/L	20.411	0.2	8588.20
Al 237.312	5000.00	ug/L	15.048	0.1	22337.6
As 188.980	1000.00	ug/L	3.969	0.4	1064.73
B 249.678	1000.00	ug/L	254.076	0.9	29178.1
Ba 493.408	1000.00	ug/L	2274.232	0.1	2508138
Be 313.042	1000.00	ug/L	672.989	0.0	3432727
Ca 373.690	20000.0	ug/L	81.875	0.1	98955.5
Cd 214.439	1000.00	ug/L	56.198	0.1	39007.7
Co 228.615	1000.00	ug/L	0.313	0.0	8909.44
Cr 267.716	1000.00	ug/L	23.368	0.0	48563.0
Cu 327.395	1000.00	ug/L	117.783	0.2	69615.5
Fe 273.955	5000.00	ug/L	34.731	0.0	81317.7
K 404.721	20000.0	ug/L	4.163	1.5	287.028
Li 610.365	5000.00	ug/L	52.061	0.0	374747
Mg 279.078	20000.0	ug/L	23.721	0.0	88849.6
Mn 257.610	1000.00	ug/L	177.020	0.1	304251
Mo 202.032	1000.00	ug/L	17.834	0.2	9436.27
Na 330.237	20000.0	ug/L	11.230	0.4	2784.75

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ni 216.555	1000.00	ug/L	43.894	0.5	8870.89
Pb 220.353	1000.00	ug/L	2.424	0.0	5092.23
Sb 217.582	1000.00	ug/L	3.523	0.2	2014.11
Se 196.026	1000.00	ug/L	1.625	0.3	566.211
Si 251.611	1000.00	ug/L	66.572	1.2	5415.79
Si 288.158	1000.00	ug/L	160.546	1.3	12789.1
Sn 283.998	1000.00	ug/L	2.162	0.0	4675.10
Sr 421.552	1000.00	ug/L	2240.821	0.1	2476197
Ti 336.122	1000.00	ug/L	493.240	0.2	245234
Tl 190.794	1000.00	ug/L	0.381	0.0	826.113
V 292.401	1000.00	ug/L	8.692	0.0	38720.9
Zn 202.548	1000.00	ug/L	11.710	0.0	24585.0
Zr 339.198	1000.00	ug/L	287.328	0.5	57122.8

Standard 2 (Std) **9/30/2009, 11:49:57 AM** **Rack 0, Tube 3**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	25000.0	ug/L	35.311	0.0	104966
Ca 373.690	100000	ug/L	361.641	0.1	464253
Fe 273.955	25000.0	ug/L	145.045	0.0	363126
K 404.721	100000	ug/L	7.377	0.4	1833.57
Mg 279.078	100000	ug/L	34.891	0.0	419086
Na 330.237	100000	ug/L	1.786	0.0	16093.0

RB (ICV) **9/30/2009, 11:52:50 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	0.135079uv	ug/L	0.255062	188.8	5.13354	-
Al 237.312	1.46206	ug/L	0.816473	55.8	12.2580	-
As 188.980	4.01189	ug/L	0.470040	11.7	6.51125	-
B 249.678	8.96904	ug/L	0.751282	8.4	277.641	-
Ba 493.408	0.235021	ug/L	0.088797	37.8	697.100	-
Be 313.042	0.203737	ug/L	0.082496	40.5	765.028	-
Ca 373.690	4.23709	ug/L	1.06001	25.0	37.2457	-
Cd 214.439	0.340110	ug/L	0.018017	5.3	16.5174	-
Co 228.615	0.219647	ug/L	0.002165	1.0	11.9743	-
Cr 267.716	0.220478	ug/L	0.201751	91.5	32.8531	-
Cu 327.395	0.195170	ug/L	0.076226	39.1	78.1855	-
Fe 273.955	5.34880	ug/L	1.24956	23.4	110.004	-
K 404.721	99.5214uv	ug/L	556.438	559.1	13.6718	-
Li 610.365	-0.194027uv	ug/L	0.067737	34.9	-10.0879	-
Mg 279.078	4.56172	ug/L	2.07429	45.5	29.6133	-
Mn 257.610	0.287619	ug/L	0.079284	27.6	113.712	-
Mo 202.032	2.07523	ug/L	0.899085	43.3	36.1602	-
Na 330.237	-35.0424uv	ug/L	39.2202	111.9	7.50940	-
Ni 216.555	0.342456	ug/L	0.147002	42.9	5.75851	-
Pb 220.353	0.099038uv	ug/L	0.494348	499.1	6.59967	-
Sb 217.582	-0.223293uv	ug/L	0.638967	286.2	4.13005	-
Se 196.026	5.44695	ug/L	2.93100	53.8	6.20369	-
Si 251.611	0.506887uv	ug/L	1.70891	337.1	57.2622	-
Si 288.158	1.89032	ug/L	1.46672	77.6	484.955	-
Sn 283.998	0.984993	ug/L	0.396843	40.3	12.6089	-
Sr 421.552	0.220864	ug/L	0.094613	42.8	569.886	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 336.122	0.115063	ug/L	0.006504	5.7	57.0964	-
Tl 190.794	6.61091	ug/L	0.030044	0.5	7.01574	-
V 292.401	0.456146	ug/L	0.121802	26.7	31.2168	-
Zn 202.548	0.429544	ug/L	0.137383	32.0	54.6876	-
Zr 339.198	0.407745	ug/L	0.051270	12.6	25.8020	-

IPC (ICV) **9/30/2009, 11:55:44 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	996.143	ug/L	1.07438	0.1	8555.09	99.61428
Al 237.312	4957.52	ug/L	0.236508	0.0	22150.7	99.15047
As 188.980	998.679	ug/L	0.193306	0.0	1063.32	99.86792
B 249.678	996.794	ug/L	14.8169	1.5	29084.6	99.67941
Ba 493.408	991.030	ug/L	0.776376	0.1	2485641	99.10300
Be 313.042	995.966	ug/L	0.194385	0.0	3418880	99.59661
Ca 373.690	19883.0	ug/L	36.1854	0.2	98385.3	99.41476
Cd 214.439	991.307	ug/L	0.468355	0.0	38668.7	99.13072
Co 228.615	993.290	ug/L	0.294858	0.0	8849.72	99.32903
Cr 267.716	994.548	ug/L	1.10969	0.1	48298.4	99.45477
Cu 327.395	993.024	ug/L	5.73592	0.6	69130.3	99.30235
Fe 273.955	4966.12	ug/L	3.95814	0.1	80781.4	99.32241
K 404.721	19719.0	ug/L	151.252	0.8	282.859	98.59480
Li 610.365	4965.42	ug/L	0.936019	0.0	372155	99.30846
Mg 279.078	19870.8	ug/L	13.2693	0.1	88283.9	99.35417
Mn 257.610	993.390	ug/L	0.591313	0.1	302240	99.33895
Mo 202.032	995.040	ug/L	3.84192	0.4	9389.54	99.50401
Na 330.237	19805.0	ug/L	25.4144	0.1	2756.65	99.02518
Ni 216.555	992.420	ug/L	2.99407	0.3	8803.67	99.24199
Pb 220.353	991.557	ug/L	1.25789	0.1	5049.29	99.15566
Sb 217.582	992.552	ug/L	3.66026	0.4	1999.14	99.25519
Se 196.026	999.704	ug/L	1.98939	0.2	566.044	99.97038
Si 251.611	988.789	ug/L	12.0201	1.2	5355.68	98.87886
Si 288.158	991.100	ug/L	13.1062	1.3	12679.4	99.11000
Sn 283.998	990.099	ug/L	1.15367	0.1	4628.89	99.00993
Sr 421.552	993.227	ug/L	0.304569	0.0	2459425	99.32268
Ti 336.122	991.327	ug/L	0.564080	0.1	243108	99.13270
Tl 190.794	994.937	ug/L	0.723550	0.1	821.938	99.49370
V 292.401	994.080	ug/L	0.547119	0.1	38491.8	99.40802
Zn 202.548	992.963	ug/L	1.43191	0.1	24412.3	99.29630
Zr 339.198	1016.73	ug/L	0.678061	0.1	58078.2	101.67265

ICV (ICV) **9/30/2009, 11:58:38 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	1004.82	ug/L	0.084763	0.0	8629.55	100.48173
Al 237.312	994.677	ug/L	1.54580	0.2	4501.62	99.46767
As 188.980	997.496	ug/L	0.991909	0.1	1062.07	99.74960
B 249.678	1001.93	ug/L	12.5968	1.3	29234.5	100.19336
Ba 493.408	997.749	ug/L	1.53471	0.2	2502493	99.77492
Be 313.042	1006.00	ug/L	1.11387	0.1	3453313	100.59969
Ca 373.690	10063.4	ug/L	2.11925	0.0	50179.9	100.63358

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cd 214.439	1004.51	ug/L	0.222007	0.0	39183.6	100.45087
Co 228.615	1007.33	ug/L	0.263525	0.0	8974.65	100.73284
Cr 267.716	995.749	ug/L	0.099782	0.0	48356.7	99.57493
Cu 327.395	986.704	ug/L	4.29603	0.4	68690.8	98.67041
Fe 273.955	973.288	ug/L	0.426059	0.0	16185.8	97.32875
K 404.721	9088.85	ug/L	320.824	3.5	131.656	90.88846
Li 610.365	10078.4	ug/L	14.8106	0.1	755368	100.78436
Mg 279.078	9950.12	ug/L	4.12318	0.0	44521.9	99.50123
Mn 257.610	1003.44	ug/L	0.594291	0.1	305298	100.34407
Mo 202.032	988.390	ug/L	1.14314	0.1	9326.90	98.83897
Na 330.237	9275.84	ug/L	7.40114	0.1	1270.49	92.75837
Ni 216.555	1004.31	ug/L	7.37162	0.7	8909.14	100.43134
Pb 220.353	1005.58	ug/L	2.36564	0.2	5120.61	100.55788
Sb 217.582	971.180	ug/L	2.38325	0.2	1956.20	97.11804
Se 196.026	1008.19	ug/L	0.798775	0.1	570.825	100.81947
Si 251.611	604.848	ug/L	34.4686	5.7	3297.28	120.96958Q
Si 288.158	600.375	ug/L	35.4541	5.9	7862.76	120.07507Q
Sn 283.998	992.448	ug/L	0.112816	0.0	4639.85	99.24479
Sr 421.552	992.745	ug/L	0.862045	0.1	2458233	99.27454
Ti 336.122	974.421	ug/L	1.90682	0.2	238962	97.44215
Tl 190.794	1004.69	ug/L	4.33923	0.4	829.978	100.46879
V 292.401	1005.40	ug/L	0.288600	0.0	38929.8	100.53957
Zn 202.548	1010.64	ug/L	0.349108	0.0	24846.1	101.06380
Zr 339.198	1030.65	ug/L	4.46094	0.4	58873.7	103.06523

ICB (ICB) **9/30/2009, 12:01:32 PM** **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	0.093193uv	ug/L	0.500461	537.0	4.77399	0.09319
Al 237.312	-0.348086uv	ug/L	0.588440	169.1	4.05194	-0.34809
As 188.980	1.07787uv	ug/L	1.86151	172.7	3.39391	1.07787
B 249.678	34.3278	ug/L	4.61610	13.4	1017.15	34.32775
Ba 493.408	0.066460	ug/L	0.048423	72.9	274.343	0.06646
Be 313.042	0.057136	ug/L	0.040036	70.1	261.793	0.05714
Ca 373.690	0.483203uv	ug/L	0.697631	144.4	18.3895	0.48320
Cd 214.439	0.065834	ug/L	0.005648	8.6	5.81946	0.06583
Co 228.615	-0.126677uv	ug/L	0.007527	5.9	8.89221	-0.12668
Cr 267.716	0.048026	ug/L	0.012305	25.6	24.4822	0.04803
Cu 327.395	0.112166	ug/L	0.088339	78.8	72.4126	0.11217
Fe 273.955	0.420544	ug/L	0.169747	40.4	27.7378	0.42054
K 404.721	281.244	ug/L	98.7144	35.1	15.9613	281.24445
Li 610.365	-0.161061uv	ug/L	0.185596	115.2	-7.61719	-0.16106
Mg 279.078	0.421191uv	ug/L	0.999853	237.4	10.9609	0.42119
Mn 257.610	0.072189	ug/L	0.048267	66.9	48.1729	0.07219
Mo 202.032	11.4728	ug/L	2.15314	18.8	124.682	11.47277
Na 330.237	-40.6128uv	ug/L	4.94744	12.2	6.76807	-40.61277
Ni 216.555	0.256585	ug/L	0.133305	52.0	4.99699	0.25658
Pb 220.353	-0.351123uv	ug/L	0.165068	47.0	4.31009	-0.35112
Sb 217.582	1.30384	ug/L	1.19313	91.5	7.19887	1.30384
Se 196.026	1.32023	ug/L	1.73154	131.2	3.88003	1.32023
Si 251.611	-0.744328uv	ug/L	1.12880	151.7	50.5541	-0.74433
Si 288.158	-0.051814uv	ug/L	1.10753	2137.5	461.014	-0.05181
Sn 283.998	-0.219001uv	ug/L	0.482400	220.3	6.98981	-0.21900

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sr 421.552	0.063597	ug/L	0.045241	71.1	180.466	0.06360
Ti 336.122	0.458131	ug/L	0.159142	34.7	141.219	0.45813
Tl 190.794	2.39887	ug/L	1.28073	53.4	3.54271	2.39887
V 292.401	0.148267	ug/L	0.054146	36.5	19.2996	0.14827
Zn 202.548	0.060797	ug/L	0.030044	49.4	45.6382	0.06080
Zr 339.198	0.192758	ug/L	0.007831	4.1	13.5219	0.19276

CRI-RL (CRI) **9/30/2009, 12:04:26 PM** **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	4.13741	ug/L	0.187179	4.5	39.4904	82.74811
Al 237.312	104.472	ug/L	0.576040	0.6	479.093	104.47163
As 188.980	9.77441	ug/L	0.282155	2.9	12.6338	97.74406
B 249.678	26.1489	ug/L	0.873983	3.3	778.639	261.48868R
Ba 493.408	11.1614	ug/L	0.009144	0.1	28100.8	111.61414
Be 313.042	1.00562	ug/L	0.002343	0.2	3517.63	100.56233
Ca 373.690	419.800	ug/L	0.513585	0.1	2124.00	104.94994
Cd 214.439	1.04290	ug/L	0.027482	2.6	43.9294	104.28990
Co 228.615	10.7048	ug/L	0.013234	0.1	105.286	107.04771
Cr 267.716	5.24044	ug/L	0.073524	1.4	276.526	104.80875
Cu 327.395	10.7471	ug/L	0.031771	0.3	812.080	107.47066
Fe 273.955	105.008	ug/L	0.313443	0.3	1772.69	105.00847
K 404.721	4072.62	ug/L	348.202	8.5	64.7009	101.81561
Li 610.365	81.4437	ug/L	0.178374	0.2	6108.53	-R
Mg 279.078	426.754	ug/L	0.555470	0.1	1930.95	106.68845
Mn 257.610	10.8212	ug/L	0.020479	0.2	3318.29	108.21204
Mo 202.032	12.8454	ug/L	0.847947	6.6	137.611	128.45403
Na 330.237	1941.15	ug/L	34.3825	1.8	271.553	97.05743
Ni 216.555	10.7547	ug/L	0.038695	0.4	98.0963	107.54736
Pb 220.353	5.32523	ug/L	0.941278	17.7	33.1808	106.50453
Sb 217.582	9.38753	ug/L	0.893575	9.5	23.4433	93.87527
Se 196.026	12.1112	ug/L	3.19336	26.4	9.95613	121.11156
Si 251.611	103.704	ug/L	5.27153	5.1	610.526	103.70377
Si 288.158	107.270	ug/L	4.72411	4.4	1784.02	107.26982
Sn 283.998	29.8413	ug/L	0.358669	1.2	147.284	59.68259R
Sr 421.552	22.1326	ug/L	0.035867	0.2	54827.0	110.66280
Ti 336.122	10.8774	ug/L	0.029913	0.3	2696.08	108.77385
Tl 190.794	11.8925	ug/L	0.940799	7.9	11.3707	118.92516
V 292.401	10.3555	ug/L	0.072524	0.7	414.396	103.55548
Zn 202.548	52.8184	ug/L	0.230574	0.4	1340.36	105.63675
Zr 339.198	10.3724	ug/L	0.049619	0.5	594.985	-R

CRI2-MCP (CRI) **9/30/2009, 12:07:20 PM** **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	7.30569	ug/L	0.589249	8.1	66.6877	104.36698
Al 237.312	0.131970uv	ug/L	0.515288	390.5	6.22821	-
As 188.980	49.4358	ug/L	0.211843	0.4	54.7732	98.87167
B 249.678	10.6603	ug/L	0.557489	5.2	326.961	-
Ba 493.408	2132.25	ug/L	1.33981	0.1	5347861	106.61259
Be 313.042	4.17145	ug/L	0.011873	0.3	14384.8	104.28623

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ca 373.690	16.4561	ug/L	0.943659	5.7	98.6222	-
Cd 214.439	5.20779	ug/L	0.000742	0.0	206.379	104.15575
Co 228.615	-0.040709uv	ug/L	0.026049	64.0	9.65727	-
Cr 267.716	107.504	ug/L	0.376681	0.4	5240.51	107.50441
Cu 327.395	0.041807	ug/L	0.052829	126.4	67.5190	-
Fe 273.955	0.363089	ug/L	0.238881	65.8	26.7787	-
K 404.721	153.605uv	ug/L	323.734	210.8	14.3511	-
Li 610.365	-0.008261uv	ug/L	0.001935	23.4	3.83496	-
Mg 279.078	0.501495uv	ug/L	0.791939	157.9	11.3227	-
Mn 257.610	0.093559	ug/L	0.009099	9.7	54.6740	-
Mo 202.032	0.886251	ug/L	0.710638	80.2	24.9604	-
Na 330.237	85.1912	ug/L	8.02279	9.4	23.5126	-
Ni 216.555	111.072	ug/L	0.788649	0.7	987.729	111.07228
Pb 220.353	16.9115	ug/L	0.206444	1.2	92.1101	112.74330
Sb 217.582	4.80029	ug/L	0.615407	12.8	14.2251	80.00488
Se 196.026	50.4264	ug/L	0.604233	1.2	31.5305	100.85282
Si 251.611	-0.409347uv	ug/L	0.542277	132.5	52.3500	-
Si 288.158	0.057765uv	ug/L	1.18554	2052.3	462.365	-
Sn 283.998	48.8573	ug/L	0.274943	0.6	236.033	-
Sr 421.552	0.013521	ug/L	0.001530	11.3	56.4675	-
Ti 336.122	0.081150	ug/L	0.021169	26.1	48.7808	-
Tl 190.794	2.38052	ug/L	1.06011	44.5	3.52758	119.02597
V 292.401	52.1971	ug/L	0.024592	0.0	2033.97	104.39410
Zn 202.548	959.405	ug/L	5.01133	0.5	23588.8	106.60052
Zr 339.198	0.021141	ug/L	0.015766	74.6	3.71906	-

Interf Check A (ICSA) **9/30/2009, 12:10:14 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	0.330736	ug/L	0.113383	34.3	6.81311	0.33074
Al 237.312	114085	ug/L	238.140	0.2	449142	4084.98438K
As 188.980	0.583562uv	ug/L	0.997203	170.9	2.86872	0.58356
B 249.678	7.75726	ug/L	0.629269	8.1	242.303	7.75726
Ba 493.408	0.536036	ug/L	0.079752	14.9	1452.05	0.53604
Be 313.042	0.010784	ug/L	0.000480	4.5	102.683	0.01078
Ca 373.690	105786	ug/L	208.298	0.2	488911	5785.85156K
Cd 214.439	0.715394	ug/L	0.099299	13.9	31.1552	0.71539
Co 228.615	1.46757	ug/L	0.007667	0.5	23.0801	1.46757
Cr 267.716	0.342546	ug/L	0.035522	10.4	38.7784	0.34255
Cu 327.395	0.656587	ug/L	0.046123	7.0	110.278	0.65659
Fe 273.955	44506.9	ug/L	76.3095	0.2	604139	4506.87500K
K 404.721	2377.47	ug/L	334.005	14.0	42.7112	2377.47046
Li 610.365	0.919460	ug/L	0.071662	7.8	73.3662	0.91946
Mg 279.078	111182	ug/L	102.763	0.1	462436	1182.19531K
Mn 257.610	3.41072	ug/L	0.025582	0.8	1063.84	3.41072
Mo 202.032	-0.066674uv	ug/L	0.339104	508.6	15.9842	-0.06667
Na 330.237	130.473	ug/L	8.96382	6.9	29.5415	130.47255
Ni 216.555	4.79913	ug/L	0.196555	4.1	45.2811	4.79913
Pb 220.353	-1.68956uv	ug/L	0.150210	8.9	-2.49738	-1.68956
Sb 217.582	-1.46556uv	ug/L	0.772349	52.7	1.63367	-1.46556
Se 196.026	-3.04646uv	ug/L	1.37974	45.3	1.42126	-3.04646
Si 251.611	-4.33585uv	ug/L	1.38326	31.9	31.2991	-4.33585
Si 288.158	-2.53335uv	ug/L	1.11267	43.9	430.423	-2.53335

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sn 283.998	2.78527	ug/L	0.479237	17.2	21.0110	2.78527
Sr 421.552	0.605235	ug/L	0.000388	0.1	1521.65	0.60523
Ti 336.122	1.75702	ug/L	0.006479	0.4	459.714	1.75702
Tl 190.794	0.102984uv	ug/L	0.551919	535.9	1.64964	0.10298
V 292.401	2.26872	ug/L	0.275831	12.2	101.377	2.26872
Zn 202.548	1.52570	ug/L	0.595291	39.0	81.5883	1.52570
Zr 339.198	0.627646	ug/L	0.101023	16.1	38.3628	0.62765

Interf Check AB (ICSAB) **9/30/2009, 12:13:09 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	617.212	ug/L	0.203708	0.0	5302.26	102.86864
Al 237.312	112423	ug/L	210.016	0.2	442721	112.42283
As 188.980	2001.43	ug/L	1.76267	0.1	2128.72	100.07133
B 249.678	5.93452	ug/L	0.059322	1.0	189.148	-
Ba 493.408	588.754	ug/L	1.35392	0.2	1476720	98.12563
Be 313.042	191.683	ug/L	0.219352	0.1	658048	95.84138
Ca 373.690	103461	ug/L	291.582	0.3	479001	103.46065
Cd 214.439	578.610	ug/L	0.748668	0.1	22571.6	96.43497
Co 228.615	581.129	ug/L	0.324076	0.1	5181.73	96.85490
Cr 267.716	575.766	ug/L	0.171382	0.0	27970.3	95.96106
Cu 327.395	603.518	ug/L	2.85294	0.5	42039.9	100.58640
Fe 273.955	43732.9	ug/L	175.594	0.4	594576	109.33224
K 404.721	42903.8	ug/L	254.183	0.6	656.557	107.25953
Li 610.365	0.949741	ug/L	0.191879	20.2	75.6357	-
Mg 279.078	108181	ug/L	76.2902	0.1	450802	108.18118
Mn 257.610	387.123	ug/L	0.117348	0.0	117799	96.78080
Mo 202.032	-0.294958uv	ug/L	0.308791	104.7	13.8338	-
Na 330.237	-44.7193uv	ug/L	37.9256	84.8	6.22156	-
Ni 216.555	582.782	ug/L	0.304741	0.1	5170.93	97.13033
Pb 220.353	1892.79	ug/L	3.65025	0.2	9633.08	94.63940
Sb 217.582	945.912	ug/L	5.98576	0.6	1905.42	94.59117
Se 196.026	982.421	ug/L	4.72403	0.5	556.313	98.24211
Si 251.611	-2.69843uv	ug/L	2.61771	97.0	40.0777	-
Si 288.158	-0.336867uv	ug/L	1.77423	526.7	457.500	-
Sn 283.998	257.484	ug/L	0.143437	0.1	1209.71	-
Sr 421.552	0.624401	ug/L	0.001567	0.3	1569.11	-
Ti 336.122	1.70417	ug/L	0.034946	2.1	446.754	-
Tl 190.794	1890.86	ug/L	1.11340	0.1	1560.67	94.54309
V 292.401	591.547	ug/L	0.556311	0.1	22910.8	98.59122
Zn 202.548	556.676	ug/L	4.09482	0.7	13705.5	92.77938
Zr 339.198	1.01052	ug/L	0.060718	6.0	60.2327	-

RB (ICSAB) **9/30/2009, 12:16:03 PM** **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	-0.330402uv	ug/L	0.053987	16.3	1.13776	-
Al 237.312	3.45138	ug/L	0.005617	0.2	21.2762	-
As 188.980	1.36536	ug/L	0.583133	42.7	3.69936	-
B 249.678	4.05667	ug/L	0.055463	1.4	134.386	-
Ba 493.408	0.023547	ug/L	0.003510	14.9	166.717	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Be 313.042	0.013110	ug/L	0.001158	8.8	110.667	-
Ca 373.690	3.21080	ug/L	0.082552	2.6	32.0906	-
Cd 214.439	0.076923	ug/L	0.007238	9.4	6.25198	-
Co 228.615	-0.055750uv	ug/L	0.077969	139.9	9.52342	-
Cr 267.716	-0.002456uv	ug/L	0.014489	590.0	22.0317	-
Cu 327.395	0.015478	ug/L	0.010601	68.5	65.6879	-
Fe 273.955	9.14607	ug/L	1.46841	16.1	173.387	-
K 404.721	-75.9075uv	ug/L	331.616	436.9	11.4534	-
Li 610.365	0.040653uv	ug/L	0.245096	602.9	7.50098	-
Mg 279.078	3.41295	ug/L	0.833061	24.4	24.4383	-
Mn 257.610	0.129406	ug/L	0.006348	4.9	65.5796	-
Mo 202.032	-0.365350uv	ug/L	0.421445	115.4	13.1708	-
Na 330.237	-2.08959uv	ug/L	17.6609	845.2	11.8949	-
Ni 216.555	0.484158	ug/L	0.110919	22.9	7.01515	-
Pb 220.353	-0.291475uv	ug/L	0.201683	69.2	4.61346	-
Sb 217.582	1.03081uv	ug/L	1.84920	179.4	6.65021	-
Se 196.026	-0.514225uv	ug/L	2.18710	425.3	2.84710	-
Si 251.611	-1.05943uv	ug/L	1.29002	121.8	48.8647	-
Si 288.158	0.344412uv	ug/L	1.39952	406.3	465.898	-
Sn 283.998	-0.408589uv	ug/L	0.069171	16.9	6.10498	-
Sr 421.552	0.002687	ug/L	0.000225	8.4	29.6399	-
Ti 336.122	0.018877	ug/L	0.011321	60.0	33.5112	-
Tl 190.794	5.80457	ug/L	0.523445	9.0	6.35088	-
V 292.401	0.069554	ug/L	0.085023	122.2	16.2529	-
Zn 202.548	0.030383	ug/L	0.025461	83.8	44.8918	-
Zr 339.198	-0.016531uv	ug/L	0.007554	45.7	1.56720	-

CCV (CCV) **9/30/2009, 12:18:56 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	997.229	ug/L	1.79880	0.2	8564.41	99.72290
Al 237.312	4962.37	ug/L	10.7395	0.2	22172.0	99.24741
As 188.980	994.669	ug/L	2.65018	0.3	1059.06	99.46693
B 249.678	997.754	ug/L	11.8555	1.2	29112.6	99.77543
Ba 493.408	990.750	ug/L	1.68775	0.2	2484940	99.07504
Be 313.042	995.471	ug/L	2.46408	0.2	3417182	99.54713
Ca 373.690	19869.0	ug/L	35.9837	0.2	98317.4	99.34508
Cd 214.439	993.012	ug/L	2.26150	0.2	38735.2	99.30124
Co 228.615	993.430	ug/L	2.78833	0.3	8850.96	99.34298
Cr 267.716	992.698	ug/L	1.75560	0.2	48208.6	99.26981
Cu 327.395	991.455	ug/L	7.09778	0.7	69021.2	99.14547
Fe 273.955	4967.42	ug/L	9.02355	0.2	80802.0	99.34848
K 404.721	19815.2	ug/L	385.488	1.9	284.289	99.07580
Li 610.365	4960.50	ug/L	10.8787	0.2	371786	99.21005
Mg 279.078	19874.0	ug/L	47.5543	0.2	88297.6	99.36977
Mn 257.610	992.560	ug/L	2.09508	0.2	301988	99.25603
Mo 202.032	992.002	ug/L	3.70713	0.4	9360.93	99.20023
Na 330.237	19826.6	ug/L	14.6407	0.1	2759.76	99.13319
Ni 216.555	995.495	ug/L	5.65211	0.6	8830.94	99.54955
Pb 220.353	992.163	ug/L	1.68624	0.2	5052.38	99.21635
Sb 217.582	994.234	ug/L	2.05335	0.2	2002.52	99.42336
Se 196.026	994.217	ug/L	3.34542	0.3	562.955	99.42174
Si 251.611	984.242	ug/L	13.3470	1.4	5331.31	98.42420

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Si 288.158	985.633	ug/L	12.7463	1.3	12612.0	98.56334
Sn 283.998	992.860	ug/L	1.80411	0.2	4641.77	99.28603
Sr 421.552	992.040	ug/L	1.77834	0.2	2456487	99.20403
Ti 336.122	991.060	ug/L	1.19808	0.1	243042	99.10600
Tl 190.794	999.641	ug/L	2.25472	0.2	825.817	99.96413
V 292.401	993.406	ug/L	1.67066	0.2	38465.7	99.34059
Zn 202.548	994.295	ug/L	2.86779	0.3	24445.0	99.42949
Zr 339.198	995.242	ug/L	3.87951	0.4	56851.0	99.52417

CCB (CCB) **9/30/2009, 12:21:50 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	-0.115903uv	ug/L	0.171432	147.9	2.97906	-0.11590
Al 237.312	-0.162693uv	ug/L	0.624159	383.6	4.89240	-0.16269
As 188.980	0.147080	ug/L	0.082084	55.8	2.40497	0.14708
B 249.678	24.7264	ug/L	3.69108	14.9	737.158	24.72643
Ba 493.408	0.012767	ug/L	0.006797	53.2	139.681	0.01277
Be 313.042	0.021346	ug/L	0.006236	29.2	138.941	0.02135
Ca 373.690	0.741092	ug/L	0.154621	20.9	19.6849	0.74109
Cd 214.439	0.078284	ug/L	0.071204	91.0	6.30507	0.07828
Co 228.615	-0.011699uv	ug/L	0.085690	732.5	9.91545	-0.01170
Cr 267.716	-0.071361uv	ug/L	0.005317	7.5	18.6870	-0.07136
Cu 327.395	0.147695	ug/L	0.058858	39.9	74.8837	0.14770
Fe 273.955	1.48070	ug/L	0.017426	1.2	45.4349	1.48070
K 404.721	-49.3580uv	ug/L	82.2870	166.7	11.7875	-49.35799
Li 610.365	-0.044588uv	ug/L	0.130223	292.1	1.11230	-0.04459
Mg 279.078	1.12680	ug/L	0.040334	3.6	14.1396	1.12680
Mn 257.610	0.044805	ug/L	0.008755	19.5	39.8419	0.04481
Mo 202.032	9.40415	ug/L	1.67377	17.8	105.196	9.40415
Na 330.237	-55.0273uv	ug/L	18.7014	34.0	4.84973	-55.02725
Ni 216.555	0.048102	ug/L	0.001650	3.4	3.14813	0.04810
Pb 220.353	0.477000	ug/L	0.150448	31.5	8.52203	0.47700
Sb 217.582	-0.203718uv	ug/L	0.013906	6.8	4.16939	-0.20372
Se 196.026	-1.10227uv	ug/L	0.991199	89.9	2.51599	-1.10227
Si 251.611	-0.556401uv	ug/L	2.03102	365.0	51.5616	-0.55640
Si 288.158	0.388552	ug/L	0.522720	134.5	466.442	0.38855
Sn 283.998	-0.403554uv	ug/L	0.361666	89.6	6.12848	-0.40355
Sr 421.552	0.016020	ug/L	0.005538	34.6	62.6563	0.01602
Ti 336.122	0.359956	ug/L	0.145471	40.4	117.146	0.35996
Tl 190.794	1.83322	ug/L	0.401338	21.9	3.07631	1.83322
V 292.401	0.038112	ug/L	0.001710	4.5	15.0358	0.03811
Zn 202.548	0.021887	ug/L	0.010445	47.7	44.6833	0.02189
Zr 339.198	0.504293	ug/L	0.111666	22.1	31.3168	0.50429

ICB RR (Samp) **9/30/2009, 12:24:44 PM** **Rack 1, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.061602uv	ug/L	0.095223	154.6	3.44519
Al 237.312	1.21187	ug/L	0.137472	11.3	11.1238
As 188.980	-1.10935uv	ug/L	0.864171	77.9	1.07004
B 249.678	10.9386	ug/L	0.643959	5.9	335.077

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ba 493.408	-0.000040uv	ug/L	0.000010	24.5	107.559
Be 313.042	0.007054	ug/L	0.001728	24.5	89.8799
Ca 373.690	0.407236uv	ug/L	0.673780	165.5	18.0079
Cd 214.439	0.026307uv	ug/L	0.064029	243.4	4.27773
Co 228.615	-0.122816uv	ug/L	0.091865	74.8	8.92657
Cr 267.716	-0.066011uv	ug/L	0.094468	143.1	18.9467
Cu 327.395	-0.037675uv	ug/L	0.093546	248.3	61.9910
Fe 273.955	0.514120	ug/L	0.177550	34.5	29.2999
K 404.721	-219.105uv	ug/L	60.5484	27.6	9.64685
Li 610.365	0.091248	ug/L	0.102011	111.8	11.2930
Mg 279.078	1.03969	ug/L	0.850016	81.8	13.7472
Mn 257.610	0.038925	ug/L	0.008149	20.9	38.0529
Mo 202.032	1.70125	ug/L	1.10304	64.8	32.6375
Na 330.237	-47.4912uv	ug/L	12.9809	27.3	5.85266
Ni 216.555	0.010360uv	ug/L	0.240907	2325.4	2.81343
Pb 220.353	0.001476uv	ug/L	0.096582	6543.3	6.10345
Sb 217.582	-1.19896uv	ug/L	0.790637	65.9	2.16942
Se 196.026	-1.09884uv	ug/L	1.96811	179.1	2.51792
Si 251.611	-1.11521uv	ug/L	0.415863	37.3	48.5657
Si 288.158	0.241636uv	ug/L	0.754016	312.0	464.631
Sn 283.998	-0.088354uv	ug/L	0.760931	861.2	7.59955
Sr 421.552	0.003251	ug/L	0.002067	63.6	31.0388
Ti 336.122	0.141877	ug/L	0.011405	8.0	63.6714
Tl 190.794	1.67514	ug/L	0.863739	51.6	2.94596
V 292.401	0.009847uv	ug/L	0.120620	1224.9	13.9418
Zn 202.548	0.067133	ug/L	0.008605	12.8	45.7937
Zr 339.198	0.216892	ug/L	0.136577	63.0	14.9004

ICVNa K Mg Ca 75ppm (Samp) 9/30/2009, 12:27:38 PM Rack 1, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.306035	ug/L	0.030689	10.0	6.60107
Al 237.312	9.00408	ug/L	0.345980	3.8	46.4478
As 188.980	-0.311871uv	ug/L	2.04004	654.1	1.91734
B 249.678	7.36343	ug/L	0.177564	2.4	230.818
Ba 493.408	0.417179	ug/L	0.002856	0.7	1153.96
Be 313.042	0.071614	ug/L	0.000400	0.6	311.492
Ca 373.690	77456.5	ug/L	48.3319	0.1	366246
Cd 214.439	0.074957	ug/L	0.066451	88.7	6.17529
Co 228.615	0.670676	ug/L	0.251649	37.5	15.9882
Cr 267.716	0.152385	ug/L	0.023967	15.7	29.5479
Cu 327.395	1.05901	ug/L	0.067613	6.4	138.267
Fe 273.955	6.11919	ug/L	0.186367	3.0	122.863
K 404.721	78346.2	ug/L	85.2561	0.1	1344.20
Li 610.365	0.965716	ug/L	0.090126	9.3	76.8330
Mg 279.078	78739.9	ug/L	109.828	0.1	335247
Mn 257.610	3.02074	ug/L	0.012742	0.4	945.196
Mo 202.032	0.589257	ug/L	0.577857	98.1	22.1628
Na 330.237	78179.7	ug/L	0.972272	0.0	12111.2
Ni 216.555	1.57648	ug/L	0.213549	13.5	16.7020
Pb 220.353	0.320606uv	ug/L	0.522901	163.1	7.72659
Sb 217.582	2.83983	ug/L	1.17907	41.5	10.2855
Se 196.026	-3.53326uv	ug/L	0.977258	27.7	1.14716

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Si 251.611	3.16246	ug/L	1.18693	37.5	71.4993
Si 288.158	2.11649	ug/L	1.42654	67.4	487.744
Sn 283.998	1.69110	ug/L	0.981001	58.0	15.9044
Sr 421.552	0.555942	ug/L	0.003031	0.5	1399.60
Ti 336.122	1.54663	ug/L	0.014067	0.9	408.125
Tl 190.794	1.35294	ug/L	0.368735	27.3	2.68029
V 292.401	1.59982	ug/L	0.030207	1.9	75.4855
Zn 202.548	3.78811	ug/L	0.514546	13.6	137.110
Zr 339.198	0.498101	ug/L	0.038256	7.7	30.9631

ICV Sb 1ppm (Samp) **9/30/2009, 12:30:31 PM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.021999uv	ug/L	0.717806	3262.9	4.16284
Al 237.312	0.615459	ug/L	0.183777	29.9	8.42004
As 188.980	-0.901605uv	ug/L	0.323085	35.8	1.29076
B 249.678	4.78919	ug/L	0.413940	8.6	155.748
Ba 493.408	0.011196	ug/L	0.002440	21.8	135.739
Be 313.042	0.006185	ug/L	0.001497	24.2	86.8982
Ca 373.690	4.55798	ug/L	1.91770	42.1	38.8575
Cd 214.439	0.040270	ug/L	0.011217	27.9	4.82236
Co 228.615	-0.053817uv	ug/L	0.084998	157.9	9.54062
Cr 267.716	-0.084754uv	ug/L	0.036864	43.5	18.0369
Cu 327.395	-0.041403uv	ug/L	0.044787	108.2	61.7317
Fe 273.955	0.114062	ug/L	0.127300	111.6	22.6216
K 404.721	-352.068uv	ug/L	178.415	50.7	7.97009
Li 610.365	0.073631	ug/L	0.039176	53.2	9.97266
Mg 279.078	4.20913	ug/L	1.69492	40.3	28.0250
Mn 257.610	0.021056	ug/L	0.000627	3.0	32.6169
Mo 202.032	-0.057888uv	ug/L	0.324132	559.9	16.0669
Na 330.237	-80.5459uv	ug/L	0.121933	0.2	1.45361
Ni 216.555	0.202358	ug/L	0.061644	30.5	4.51610
Pb 220.353	-0.425740uv	ug/L	0.288278	67.7	3.93057
Sb 217.582	1000.18	ug/L	3.62651	0.4	2014.48
Se 196.026	0.775684uv	ug/L	2.18993	282.3	3.57341
Si 251.611	0.329733uv	ug/L	1.71500	520.1	56.3124
Si 288.158	1.91686	ug/L	1.91748	100.0	485.283
Sn 283.998	0.681013	ug/L	0.435719	64.0	11.1902
Sr 421.552	0.001848	ug/L	0.001420	76.8	27.5627
Ti 336.122	0.064219	ug/L	0.019614	30.5	44.6294
Tl 190.794	0.997944	ug/L	0.182843	18.3	2.38758
V 292.401	-0.049473uv	ug/L	0.056106	113.4	11.6456
Zn 202.548	0.174577	ug/L	0.051008	29.2	48.4305
Zr 339.198	12.1578	ug/L	1.37112	11.3	696.970

CRI-RL B (Samp) **9/30/2009, 12:41:37 PM** **Rack 1, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	4.40711	ug/L	1.17385	26.6	41.8057
Al 237.312	102.781	ug/L	1.19789	1.2	471.435
As 188.980	9.29068	ug/L	1.26961	13.7	12.1198

MET093009tjs@720/725/730/735-ES@Quant@. All Data Report 10/1/2009, 7:04:46 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	11.8635	ug/L	0.036507	0.3	362.049
Ba 493.408	11.1440	ug/L	0.008172	0.1	28057.1
Be 313.042	1.00405	ug/L	0.002305	0.2	3512.22
Ca 373.690	419.520	ug/L	0.235148	0.1	2122.59
Cd 214.439	1.08301	ug/L	0.010252	0.9	45.4938
Co 228.615	10.7003	ug/L	0.121257	1.1	105.246
Cr 267.716	5.18766	ug/L	0.021677	0.4	273.965
Cu 327.395	10.7648	ug/L	0.131450	1.2	813.312
Fe 273.955	104.029	ug/L	0.017263	0.0	1756.36
K 404.721	3945.50	ug/L	385.694	9.8	63.0415
Li 610.365	81.2219	ug/L	0.106267	0.1	6091.91
Mg 279.078	426.962	ug/L	0.855054	0.2	1931.89
Mn 257.610	10.7900	ug/L	0.021471	0.2	3308.80
Mo 202.032	9.27481	ug/L	0.347972	3.8	103.978
Na 330.237	1919.01	ug/L	2.95471	0.2	268.583
Ni 216.555	10.7121	ug/L	0.078283	0.7	97.7180
Pb 220.353	4.82010	ug/L	0.198569	4.1	30.6117
Sb 217.582	9.18530	ug/L	0.128592	1.4	23.0369
Se 196.026	7.93746	ug/L	0.613738	7.7	7.60603
Si 251.611	95.4642	ug/L	1.55983	1.6	566.352
Si 288.158	98.8249	ug/L	1.43523	1.5	1679.91
Sn 283.998	30.0993	ug/L	0.188759	0.6	148.488
Sr 421.552	22.0693	ug/L	0.006668	0.0	54670.5
Ti 336.122	10.4154	ug/L	0.032845	0.3	2582.79
Tl 190.794	12.7233	ug/L	2.57990	20.3	12.0557
V 292.401	10.4513	ug/L	0.032168	0.3	418.103
Zn 202.548	52.7282	ug/L	0.165021	0.3	1338.14
Zr 339.198	10.4322	ug/L	0.107358	1.0	598.400

CCV (CCV) **9/30/2009, 1:01:49 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	997.074	ug/L	1.21547	0.1	8563.08	99.70742
Al 237.312	4951.40	ug/L	2.62610	0.1	22123.7	99.02798
As 188.980	998.448	ug/L	0.986514	0.1	1063.08	99.84481
B 249.678	1028.04	ug/L	15.0604	1.5	29995.9	102.80414
Ba 493.408	989.081	ug/L	0.068492	0.0	2480754	98.90814
Be 313.042	999.301	ug/L	1.00313	0.1	3430329	99.93014
Ca 373.690	19955.8	ug/L	12.7749	0.1	98740.1	99.77892
Cd 214.439	993.893	ug/L	0.338448	0.0	38769.5	99.38932
Co 228.615	995.379	ug/L	0.623164	0.1	8868.31	99.53786
Cr 267.716	997.260	ug/L	1.01094	0.1	48430.0	99.72598
Cu 327.395	998.386	ug/L	1.37792	0.1	69503.3	99.83862
Fe 273.955	4974.73	ug/L	1.53713	0.0	80917.7	99.49456
K 404.721	19778.6	ug/L	110.452	0.6	283.742	98.89293
Li 610.365	4975.66	ug/L	0.739907	0.0	372923	99.51324
Mg 279.078	19916.6	ug/L	2.60193	0.0	88484.4	99.58305
Mn 257.610	995.484	ug/L	1.08638	0.1	302877	99.54842
Mo 202.032	1002.70	ug/L	4.04165	0.4	9461.66	100.26964
Na 330.237	19806.8	ug/L	14.1159	0.1	2756.90	99.03389
Ni 216.555	998.409	ug/L	1.46618	0.1	8856.77	99.84085
Pb 220.353	993.498	ug/L	0.990442	0.1	5059.16	99.34977
Sb 217.582	988.052	ug/L	1.75124	0.2	1990.10	98.80518

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Se 196.026	993.261	ug/L	0.038670	0.0	562.416	99.32607
Si 251.611	985.636	ug/L	10.9064	1.1	5338.78	98.56361
Si 288.158	987.514	ug/L	11.3681	1.2	12635.2	98.75139
Sn 283.998	992.862	ug/L	0.169267	0.0	4641.78	99.28619
Sr 421.552	992.133	ug/L	0.346605	0.0	2456717	99.21332
Ti 336.122	991.659	ug/L	0.105911	0.0	243189	99.16588
Tl 190.794	1002.48	ug/L	3.53238	0.4	828.160	100.24831
V 292.401	996.953	ug/L	0.546989	0.1	38603.0	99.69535
Zn 202.548	996.176	ug/L	0.221100	0.0	24491.2	99.61761
Zr 339.198	1021.61	ug/L	1.27775	0.1	58357.2	102.16103

CCB (CCB) **9/30/2009, 1:04:42 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	-0.207915uv	ug/L	0.174037	83.7	2.18921	-0.20792
Al 237.312	0.317376	ug/L	0.225361	71.0	7.06873	0.31738
As 188.980	0.753122uv	ug/L	1.16749	155.0	3.04887	0.75312
B 249.678	37.6572	ug/L	4.82577	12.8	1114.25	37.65722
Ba 493.408	0.022062	ug/L	0.001270	5.8	162.992	0.02206
Be 313.042	0.034246	ug/L	0.002462	7.2	183.222	0.03425
Ca 373.690	1.37107	ug/L	1.26831	92.5	22.8494	1.37107
Cd 214.439	0.082523	ug/L	0.014152	17.1	6.47040	0.08252
Co 228.615	-0.082823uv	ug/L	0.223558	269.9	9.28249	-0.08282
Cr 267.716	0.053082uv	ug/L	0.090467	170.4	24.7276	0.05308
Cu 327.395	0.022804uv	ug/L	0.105041	460.6	66.1974	0.02280
Fe 273.955	1.29845	ug/L	0.406320	31.3	42.3926	1.29845
K 404.721	201.277	ug/L	95.0812	47.2	14.9507	201.27747
Li 610.365	-0.027428uv	ug/L	0.046878	170.9	2.39844	-0.02743
Mg 279.078	0.620697	ug/L	0.193123	31.1	11.8597	0.62070
Mn 257.610	0.072875	ug/L	0.004913	6.7	48.3813	0.07287
Mo 202.032	10.9353	ug/L	1.98127	18.1	119.619	10.93531
Na 330.237	3.41636uv	ug/L	44.9389	1315.4	12.6278	3.41636
Ni 216.555	0.021706uv	ug/L	0.124433	573.3	2.91405	0.02171
Pb 220.353	0.220967	ug/L	0.084320	38.2	7.21982	0.22097
Sb 217.582	0.280364	ug/L	0.091609	32.7	5.14217	0.28036
Se 196.026	0.113843uv	ug/L	0.646993	568.3	3.20075	0.11384
Si 251.611	-0.037062uv	ug/L	0.873440	2356.7	54.3459	-0.03706
Si 288.158	0.498403uv	ug/L	0.797485	160.0	467.797	0.49840
Sn 283.998	0.945995	ug/L	0.006677	0.7	12.4269	0.94600
Sr 421.552	0.028275	ug/L	0.002004	7.1	93.0010	0.02827
Ti 336.122	0.392306	ug/L	0.101031	25.8	125.078	0.39231
Tl 190.794	2.89354	ug/L	0.029416	1.0	3.95059	2.89354
V 292.401	0.108911	ug/L	0.025507	23.4	17.7762	0.10891
Zn 202.548	0.014901uv	ug/L	0.071326	478.7	44.5119	0.01490
Zr 339.198	0.523693	ug/L	0.150807	28.8	32.4250	0.52369

CCV (CCV) **9/30/2009, 2:47:41 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	989.933	ug/L	3.14698	0.3	8501.78	98.99327
Al 237.312	4931.08	ug/L	12.5926	0.3	22034.3	98.62168

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	990.642	ug/L	2.99575	0.3	1054.78	99.06423
B 249.678	993.517	ug/L	10.2034	1.0	28989.1	99.35174
Ba 493.408	984.493	ug/L	4.28636	0.4	2469246	98.44930
Be 313.042	987.262	ug/L	2.63719	0.3	3389003	98.72622
Ca 373.690	19708.1	ug/L	70.3654	0.4	97533.1	98.54028
Cd 214.439	982.372	ug/L	3.84295	0.4	38320.1	98.23720
Co 228.615	984.253	ug/L	3.95037	0.4	8769.30	98.42531
Cr 267.716	985.338	ug/L	2.60137	0.3	47851.3	98.53375
Cu 327.395	988.792	ug/L	1.10300	0.1	68836.0	98.87920
Fe 273.955	4923.67	ug/L	17.4432	0.4	80109.1	98.47332
K 404.721	20281.0	ug/L	26.2624	0.1	291.205	101.40481
Li 610.365	4922.94	ug/L	12.9230	0.3	368972	98.45889
Mg 279.078	19692.5	ug/L	55.2993	0.3	87502.9	98.46268
Mn 257.610	984.673	ug/L	2.05745	0.2	299588	98.46727
Mo 202.032	984.221	ug/L	7.92133	0.8	9287.64	98.42214
Na 330.237	19548.6	ug/L	81.7937	0.4	2719.72	97.74287
Ni 216.555	980.768	ug/L	2.41083	0.2	8700.33	98.07678
Pb 220.353	983.332	ug/L	2.30746	0.2	5007.46	98.33315
Sb 217.582	989.620	ug/L	6.96641	0.7	1993.25	98.96204
Se 196.026	985.751	ug/L	1.01021	0.1	558.188	98.57510
Si 251.611	981.315	ug/L	15.5327	1.6	5315.61	98.13145
Si 288.158	980.943	ug/L	12.9642	1.3	12554.2	98.09426
Sn 283.998	985.728	ug/L	3.47740	0.4	4608.49	98.57277
Sr 421.552	986.123	ug/L	3.66363	0.4	2441835	98.61231
Ti 336.122	984.969	ug/L	5.91019	0.6	241549	98.49689
Tl 190.794	985.869	ug/L	3.55319	0.4	814.461	98.58693
V 292.401	987.032	ug/L	1.48137	0.2	38219.0	98.70321
Zn 202.548	982.135	ug/L	3.40511	0.3	24146.6	98.21351
Zr 339.198	1077.35	ug/L	6.46625	0.6	61541.3	107.73545

CCB (CCB) **9/30/2009, 2:50:35 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	0.187289	ug/L	0.263921	140.9	5.58173	0.18729
Al 237.312	0.135324uv	ug/L	1.38050	1020.1	6.24341	0.13532
As 188.980	-0.044072uv	ug/L	0.178527	405.1	2.20187	-0.04407
B 249.678	29.3743	ug/L	4.13645	14.1	872.699	29.37429
Ba 493.408	0.076608	ug/L	0.003532	4.6	299.796	0.07661
Be 313.042	0.076198	ug/L	0.001451	1.9	327.227	0.07620
Ca 373.690	1.25835	ug/L	0.228752	18.2	22.2832	1.25835
Cd 214.439	0.080772	ug/L	0.014212	17.6	6.40208	0.08077
Co 228.615	0.043304	ug/L	0.008433	19.5	10.4049	0.04330
Cr 267.716	0.266564	ug/L	0.011430	4.3	35.0902	0.26656
Cu 327.395	-0.169538uv	ug/L	0.121584	71.7	52.8198	-0.16954
Fe 273.955	1.62139	ug/L	0.389035	24.0	47.7834	1.62139
K 404.721	-70.5712uv	ug/L	165.252	234.2	11.5200	-70.57124
Li 610.365	-0.043272uv	ug/L	0.094751	219.0	1.21094	-0.04327
Mg 279.078	1.72124	ug/L	0.002127	0.1	16.8174	1.72124
Mn 257.610	0.129746	ug/L	0.003703	2.9	65.6831	0.12975
Mo 202.032	11.8213	ug/L	2.71476	23.0	127.965	11.82129
Na 330.237	-36.5677uv	ug/L	4.32998	11.8	7.30640	-36.56773
Ni 216.555	0.271774	ug/L	0.137437	50.6	5.13170	0.27177
Pb 220.353	-0.081050uv	ug/L	0.058669	72.4	5.68372	-0.08105

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sb 217.582	0.757141	ug/L	0.365203	48.2	6.10027	0.75714
Se 196.026	-0.360783uv	ug/L	4.18528	1160.1	2.93350	-0.36078
Si 251.611	-0.113284uv	ug/L	0.395423	349.1	53.9373	-0.11328
Si 288.158	0.234774uv	ug/L	0.413369	176.1	464.547	0.23477
Sn 283.998	0.937325	ug/L	0.680978	72.7	12.3865	0.93732
Sr 421.552	0.075619	ug/L	0.002258	3.0	210.232	0.07562
Ti 336.122	0.520350	ug/L	0.095833	18.4	156.475	0.52035
Tl 190.794	1.98803	ug/L	1.26645	63.7	3.20396	1.98803
V 292.401	0.204610	ug/L	0.026365	12.9	21.4805	0.20461
Zn 202.548	0.021154uv	ug/L	0.039656	187.5	44.6653	0.02115
Zr 339.198	0.623066	ug/L	0.040662	6.5	38.1012	0.62307

MB 360-49675/1-A (Samp) **9/30/2009, 3:09:04 PM** **Rack 1, Tube 45**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.006399uv	ug/L	0.306264	4786.0	4.02893
Al 237.312	3.40494	ug/L	0.515964	15.2	21.0657
As 188.980	-0.565255uv	ug/L	0.442901	78.4	1.64813
B 249.678	4.37450	ug/L	0.055368	1.3	143.655
Ba 493.408	0.730445	ug/L	0.008963	1.2	1939.64
Be 313.042	0.013117	ug/L	0.000771	5.9	110.692
Ca 373.690	130.823	ug/L	0.447628	0.3	673.038
Cd 214.439	0.019863	ug/L	0.017428	87.7	4.02638
Co 228.615	0.063529uv	ug/L	0.124518	196.0	10.5849
Cr 267.716	1.51020	ug/L	0.135851	9.0	95.4572
Cu 327.395	0.598384	ug/L	0.072647	12.1	106.229
Fe 273.955	17.3362	ug/L	0.502055	2.9	310.088
K 404.721	-13.0168uv	ug/L	241.746	1857.2	12.2465
Li 610.365	-0.067455uv	ug/L	0.089850	133.2	-0.601563
Mg 279.078	33.1715	ug/L	1.05419	3.2	158.492
Mn 257.610	0.500232	ug/L	0.011225	2.2	178.394
Mo 202.032	0.361285uv	ug/L	0.608196	168.3	20.0154
Na 330.237	96.1611	ug/L	27.5695	28.7	24.9731
Ni 216.555	0.535999	ug/L	0.027720	5.2	7.47488
Pb 220.353	0.237732	ug/L	0.168615	70.9	7.30508
Sb 217.582	-0.719281uv	ug/L	0.379678	52.8	3.13335
Se 196.026	0.099569uv	ug/L	3.08718	3100.5	3.19271
Si 251.611	23.2072	ug/L	2.85394	12.3	178.964
Si 288.158	25.4206	ug/L	2.64035	10.4	775.024
Sn 283.998	9.36655	ug/L	1.27231	13.6	51.7264
Sr 421.552	0.306846	ug/L	0.000306	0.1	782.792
Ti 336.122	0.356093	ug/L	0.075351	21.2	116.198
Tl 190.794	0.564297uv	ug/L	1.28421	227.6	2.03002
V 292.401	0.060281uv	ug/L	0.110750	183.7	15.8939
Zn 202.548	4.85116	ug/L	0.050100	1.0	163.198
Zr 339.198	2.06508	ug/L	0.407379	19.7	120.469

LCS 360-49675/2-A (Samp) **9/30/2009, 3:11:56 PM** **Rack 1, Tube 46**
Weight: 1 **Volume: 1** **Dilution: 1**

MET093009tjs@720/725/730/735-ES@Quant@. All Data Report 10/1/2009, 7:04:46 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	915.847	ug/L	3.06373	0.3	7865.81
Al 237.312	4524.30	ug/L	11.2602	0.2	20241.7
As 188.980	907.018	ug/L	1.89504	0.2	965.935
B 249.678	887.145	ug/L	14.5762	1.6	25887.0
Ba 493.408	925.729	ug/L	2.58057	0.3	2321864
Be 313.042	912.761	ug/L	2.88004	0.3	3133264
Ca 373.690	18576.3	ug/L	87.1827	0.5	92013.1
Cd 214.439	908.654	ug/L	2.84983	0.3	35444.8
Co 228.615	916.021	ug/L	2.66313	0.3	8162.07
Cr 267.716	924.425	ug/L	4.12516	0.4	44894.6
Cu 327.395	923.565	ug/L	13.2241	1.4	64299.4
Fe 273.955	4594.00	ug/L	19.3826	0.4	74878.2
K 404.721	17328.0	ug/L	439.135	2.5	247.751
Li 610.365	4317.50	ug/L	14.6849	0.3	323594
Mg 279.078	17921.7	ug/L	70.3792	0.4	79734.5
Mn 257.610	923.311	ug/L	4.31976	0.5	280920
Mo 202.032	910.150	ug/L	5.24875	0.6	8589.91
Na 330.237	17740.8	ug/L	68.3435	0.4	2460.44
Ni 216.555	910.091	ug/L	5.81663	0.6	8073.56
Pb 220.353	904.126	ug/L	3.12967	0.3	4604.60
Sb 217.582	816.141	ug/L	12.9018	1.6	1644.64
Se 196.026	905.687	ug/L	3.15354	0.3	513.106
Si 251.611	1047.88	ug/L	10.5445	1.0	5672.48
Si 288.158	1047.70	ug/L	10.8694	1.0	13377.1
Sn 283.998	910.638	ug/L	4.35550	0.5	4258.04
Sr 421.552	927.825	ug/L	3.09010	0.3	2297479
Ti 336.122	918.906	ug/L	2.73482	0.3	225350
Tl 190.794	894.706	ug/L	5.05117	0.6	739.293
V 292.401	926.275	ug/L	3.70049	0.4	35867.2
Zn 202.548	898.740	ug/L	3.64231	0.4	22100.0
Zr 339.198	928.767	ug/L	3.76647	0.4	53053.9

LCSD 360-49675/3-A (Samp) **9/30/2009, 3:14:48 PM** **Rack 1, Tube 47**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	902.607	ug/L	3.02808	0.3	7752.16
Al 237.312	4471.22	ug/L	20.3107	0.5	20007.5
As 188.980	895.635	ug/L	4.74876	0.5	953.841
B 249.678	888.291	ug/L	11.1802	1.3	25920.4
Ba 493.408	906.353	ug/L	3.43087	0.4	2273268
Be 313.042	892.482	ug/L	4.07130	0.5	3063656
Ca 373.690	18224.5	ug/L	67.2787	0.4	90295.4
Cd 214.439	898.347	ug/L	3.42587	0.4	35042.8
Co 228.615	901.691	ug/L	2.38437	0.3	8034.54
Cr 267.716	903.632	ug/L	3.93686	0.4	43885.2
Cu 327.395	896.798	ug/L	3.30282	0.4	62437.7
Fe 273.955	4522.05	ug/L	16.8304	0.4	73734.0
K 404.721	17316.9	ug/L	98.0475	0.6	247.584
Li 610.365	4333.79	ug/L	13.0394	0.3	324815
Mg 279.078	17795.3	ug/L	58.1388	0.3	79179.4
Mn 257.610	904.867	ug/L	3.17003	0.4	275309
Mo 202.032	896.188	ug/L	5.40938	0.6	8458.39
Na 330.237	17702.1	ug/L	43.3213	0.2	2454.91

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ni 216.555	895.388	ug/L	0.905506	0.1	7943.17
Pb 220.353	895.536	ug/L	4.90762	0.5	4560.92
Sb 217.582	836.385	ug/L	6.64755	0.8	1685.32
Se 196.026	887.098	ug/L	7.82828	0.9	502.639
Si 251.611	891.166	ug/L	3.68292	0.4	4832.30
Si 288.158	891.114	ug/L	5.82530	0.7	11446.8
Sn 283.998	898.224	ug/L	2.79649	0.3	4200.10
Sr 421.552	907.830	ug/L	3.27922	0.4	2247968
Ti 336.122	904.278	ug/L	2.34143	0.3	221763
Tl 190.794	892.484	ug/L	2.96714	0.3	737.460
V 292.401	905.171	ug/L	3.55068	0.4	35050.3
Zn 202.548	891.531	ug/L	2.43564	0.3	21923.1
Zr 339.198	881.135	ug/L	3.72038	0.4	50333.2

360-24499-A-3-D (Samp) **9/30/2009, 3:17:40 PM** **Rack 1, Tube 48**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	2.66274	ug/L	0.801405	30.1	26.8315
Al 237.312	23322.5	ug/L	50.0610	0.2	98447.4
As 188.980	38.8608	ug/L	1.11828	2.9	43.5374
B 249.678	33.3668	ug/L	2.58116	7.7	989.128
Ba 493.408	195.662	ug/L	0.411947	0.2	490834
Be 313.042	0.789648	ug/L	0.007843	1.0	2776.26
Ca 373.690	21124.0	ug/L	48.9299	0.2	104425
Cd 214.439	6.54976	ug/L	0.047222	0.7	258.721
Co 228.615	44.9204	ug/L	0.246192	0.5	409.785
Cr 267.716	574.714	ug/L	2.51445	0.4	27919.3
Cu 327.395	485.441	ug/L	5.15553	1.1	33827.5
Fe 273.955	361002	ug/L	1193.24	0.3	4514524
K 404.721	5552.38	ug/L	263.608	4.7	84.1580
Li 610.365	10.5077	ug/L	0.107779	1.0	791.987
Mg 279.078	4857.36	ug/L	22.0425	0.5	21816.6
Mn 257.610	3270.74	ug/L	8.51428	0.3	995066
Mo 202.032	113.157	ug/L	2.59303	2.3	1082.51
Na 330.237	2575.93	ug/L	18.1755	0.7	356.828
Ni 216.555	331.604	ug/L	1.04726	0.3	2943.44
Pb 220.353	19.5188	ug/L	1.44102	7.4	105.371
Sb 217.582	3.54388	ug/L	0.288648	8.1	11.7003
Se 196.026	-3.15485uv	ug/L	2.11893	67.2	1.36023
Si 251.611	3268.50	ug/L	29.0109	0.9	17577.8
Si 288.158	3333.43	ug/L	35.1181	1.1	41554.3
Sn 283.998	240.440	ug/L	0.793758	0.3	1130.17
Sr 421.552	60.9410	ug/L	0.182668	0.3	150923
Ti 336.122	1708.12	ug/L	3.55211	0.2	418868
Tl 190.794	2.30935	ug/L	0.222231	9.6	3.46889
V 292.401	48.8851	ug/L	0.312504	0.6	1905.77
Zn 202.548	76.4252	ug/L	0.307967	0.4	1919.69
Zr 339.198	41.0043	ug/L	3.17692	7.7	2344.69

360-24499-A-3-E DU (Samp) **9/30/2009, 3:20:32 PM** **Rack 1, Tube 49**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.693091	ug/L	0.078984	11.4	9.92365
Al 237.312	13225.5	ug/L	10.3594	0.1	57618.3
As 188.980	16.0497	ug/L	0.317936	2.0	19.3012
B 249.678	17.1202	ug/L	0.722969	4.2	515.344
Ba 493.408	232.785	ug/L	0.341178	0.1	583939
Be 313.042	0.682263	ug/L	0.003395	0.5	2407.65
Ca 373.690	7261.46	ug/L	24.2702	0.3	36290.4
Cd 214.439	0.782563	ug/L	0.001576	0.2	33.7751
Co 228.615	13.0525	ug/L	0.179111	1.4	126.180
Cr 267.716	177.314	ug/L	0.528712	0.3	8629.14
Cu 327.395	40.1978	ug/L	0.003070	0.0	2860.40
Fe 273.955	31292.1	ug/L	111.858	0.4	440867
K 404.721	4997.01	ug/L	130.473	2.6	76.8247
Li 610.365	13.3122	ug/L	0.035287	0.3	1002.18
Mg 279.078	3818.64	ug/L	9.50002	0.2	17165.7
Mn 257.610	311.866	ug/L	0.578085	0.2	94903.4
Mo 202.032	29.7253	ug/L	1.17065	3.9	296.614
Na 330.237	2061.29	ug/L	21.2792	1.0	287.676
Ni 216.555	21.1005	ug/L	0.024563	0.1	189.844
Pb 220.353	30.0601	ug/L	0.692475	2.3	158.986
Sb 217.582	2.98606	ug/L	0.324236	10.9	10.5793
Se 196.026	-2.04471uv	ug/L	0.777629	38.0	1.98532
Si 251.611	4267.13	ug/L	46.6936	1.1	22931.7
Si 288.158	4293.95	ug/L	65.6249	1.5	53395.2
Sn 283.998	75.3886	ug/L	1.26723	1.7	359.857
Sr 421.552	32.6828	ug/L	0.081931	0.3	80951.2
Ti 336.122	2309.24	ug/L	14.6428	0.6	566267
Tl 190.794	0.001901uv	ug/L	0.754724	39692.1	1.56630
V 292.401	39.2904	ug/L	0.044221	0.1	1534.39
Zn 202.548	56.2489	ug/L	0.366701	0.7	1424.54
Zr 339.198	22.4384	ug/L	1.27728	5.7	1284.20

360-24499-A-3-F MS (Samp) **9/30/2009, 3:23:24 PM** **Rack 1, Tube 50**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	881.412	ug/L	0.566885	0.1	7570.21
Al 237.312	26107.3	ug/L	106.344	0.4	109244
As 188.980	904.688	ug/L	8.34234	0.9	963.459
B 249.678	874.584	ug/L	12.7022	1.5	25520.7
Ba 493.408	1136.85	ug/L	4.07795	0.4	2851369
Be 313.042	894.737	ug/L	2.65938	0.3	3071395
Ca 373.690	27630.4	ug/L	121.542	0.4	135900
Cd 214.439	883.737	ug/L	4.62123	0.5	34472.9
Co 228.615	907.104	ug/L	3.18945	0.4	8082.71
Cr 267.716	1103.33	ug/L	3.97299	0.4	53579.0
Cu 327.395	946.204	ug/L	10.3942	1.1	65873.9
Fe 273.955	44168.9	ug/L	273.186	0.6	599963
K 404.721	24897.5	ug/L	35.3567	0.1	361.104
Li 610.365	4298.83	ug/L	15.5325	0.4	322195
Mg 279.078	23719.6	ug/L	91.7761	0.4	105095

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1346.02	ug/L	4.92083	0.4	409518
Mo 202.032	919.144	ug/L	8.38226	0.9	8674.63
Na 330.237	19620.9	ug/L	74.6329	0.4	2730.13
Ni 216.555	911.792	ug/L	5.69829	0.6	8088.64
Pb 220.353	897.192	ug/L	5.67882	0.6	4569.34
Sb 217.582	609.477	ug/L	9.53438	1.6	1229.34
Se 196.026	873.163	ug/L	3.80756	0.4	494.793
Si 251.611	5323.63	ug/L	3.16852	0.1	28595.8
Si 288.158	5420.36	ug/L	6.72407	0.1	67280.9
Sn 283.998	953.060	ug/L	5.53851	0.6	4456.02
Sr 421.552	939.102	ug/L	4.35313	0.5	2325402
Ti 336.122	3622.57	ug/L	15.5893	0.4	888303
Tl 190.794	854.196	ug/L	1.13355	0.1	705.890
V 292.401	961.147	ug/L	3.21703	0.3	37217.0
Zn 202.548	942.402	ug/L	5.02433	0.5	23171.5
Zr 339.198	963.736	ug/L	2.73741	0.3	55051.4

CCV (CCV) **9/30/2009, 3:26:17 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	1000.59	ug/L	0.093136	0.0	8593.30	100.05944
Al 237.312	4983.37	ug/L	3.17508	0.1	22264.4	99.66740
As 188.980	999.456	ug/L	4.69403	0.5	1064.15	99.94564
B 249.678	1024.88	ug/L	1.25858	0.1	29903.8	102.48845
Ba 493.408	993.143	ug/L	0.371680	0.0	2490939	99.31425
Be 313.042	1000.30	ug/L	0.151011	0.0	3433758	100.03004
Ca 373.690	19969.8	ug/L	0.060767	0.0	98808.6	99.84925
Cd 214.439	995.155	ug/L	0.151356	0.0	38818.7	99.51548
Co 228.615	996.756	ug/L	0.329385	0.0	8880.57	99.67560
Cr 267.716	998.281	ug/L	0.448718	0.0	48479.6	99.82810
Cu 327.395	1001.30	ug/L	2.39762	0.2	69706.2	100.13033
Fe 273.955	4987.30	ug/L	4.23677	0.1	81116.7	99.74599
K 404.721	20334.2	ug/L	284.775	1.4	292.000	101.67105
Li 610.365	4989.08	ug/L	1.54990	0.0	373928	99.78154
Mg 279.078	19955.8	ug/L	10.6784	0.1	88656.0	99.77890
Mn 257.610	997.454	ug/L	0.938004	0.1	303476	99.74543
Mo 202.032	1001.54	ug/L	2.48722	0.2	9450.79	100.15418
Na 330.237	19811.6	ug/L	44.9496	0.2	2757.60	99.05818
Ni 216.555	996.766	ug/L	2.50521	0.3	8842.21	99.67661
Pb 220.353	996.765	ug/L	0.222395	0.0	5075.78	99.67648
Sb 217.582	1009.00	ug/L	0.990096	0.1	2032.19	100.89962
Se 196.026	997.989	ug/L	1.06955	0.1	565.079	99.79893
Si 251.611	993.528	ug/L	11.2576	1.1	5381.09	99.35280
Si 288.158	992.574	ug/L	8.65783	0.9	12697.6	99.25736
Sn 283.998	994.931	ug/L	2.49244	0.3	4651.44	99.49312
Sr 421.552	995.493	ug/L	1.43946	0.1	2465036	99.54927
Ti 336.122	999.701	ug/L	0.830324	0.1	245161	99.97013
Tl 190.794	999.961	ug/L	2.17315	0.2	826.081	99.99613
V 292.401	999.544	ug/L	0.854665	0.1	38703.2	99.95436
Zn 202.548	995.766	ug/L	0.572151	0.1	24481.1	99.57661
Zr 339.198	1043.37	ug/L	3.19691	0.3	59600.2	104.33708

CCB (CCB) **9/30/2009, 3:29:09 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	0.009442uv	ug/L	0.326475	3457.6	4.05505	0.00944
Al 237.312	0.329668	ug/L	0.023401	7.1	7.12445	0.32967
As 188.980	-1.04806uv	ug/L	0.411313	39.2	1.13516	-1.04806
B 249.678	35.5307	ug/L	4.59041	12.9	1052.23	35.53072
Ba 493.408	0.093367	ug/L	0.006039	6.5	341.827	0.09337
Be 313.042	0.089629	ug/L	0.001726	1.9	373.333	0.08963
Ca 373.690	1.17493	ug/L	0.628690	53.5	21.8641	1.17493
Cd 214.439	0.073862	ug/L	0.067350	91.2	6.13260	0.07386
Co 228.615	0.241592	ug/L	0.145686	60.3	12.1696	0.24159
Cr 267.716	0.063172	ug/L	0.047541	75.3	25.2173	0.06317
Cu 327.395	0.068881	ug/L	0.048918	71.0	69.4021	0.06888
Fe 273.955	1.72429	ug/L	0.554586	32.2	49.5012	1.72429
K 404.721	-418.927uv	ug/L	116.579	27.8	7.12695	-418.92682
Li 610.365	0.078452	ug/L	0.044667	56.9	10.3340	0.07845
Mg 279.078	1.35825	ug/L	0.113816	8.4	15.1823	1.35825
Mn 257.610	0.143271	ug/L	0.003707	2.6	69.7975	0.14327
Mo 202.032	10.4043	ug/L	2.03942	19.6	114.617	10.40428
Na 330.237	-13.1276uv	ug/L	24.2844	185.0	10.4259	-13.12760
Ni 216.555	0.101854	ug/L	0.106979	105.0	3.62482	0.10185
Pb 220.353	0.309434uv	ug/L	0.527093	170.3	7.66977	0.30943
Sb 217.582	4.67362	ug/L	0.378346	8.1	13.9706	4.67362
Se 196.026	2.73858	ug/L	0.578135	21.1	4.67867	2.73858
Si 251.611	-0.113529uv	ug/L	0.805550	709.6	53.9360	-0.11353
Si 288.158	0.100870uv	ug/L	0.548193	543.5	462.896	0.10087
Sn 283.998	0.688676	ug/L	0.669382	97.2	11.2260	0.68868
Sr 421.552	0.093790	ug/L	0.002427	2.6	255.228	0.09379
Ti 336.122	0.560189	ug/L	0.126489	22.6	166.244	0.56019
Tl 190.794	2.63093	ug/L	0.658565	25.0	3.73405	2.63093
V 292.401	0.200991	ug/L	0.002841	1.4	21.3405	0.20099
Zn 202.548	0.102721	ug/L	0.041260	40.2	46.6671	0.10272
Zr 339.198	0.597403	ug/L	0.083178	13.9	36.6353	0.59740

360-24499-A-3-D sd (Samp) **9/30/2009, 3:32:01 PM** **Rack 1, Tube 51**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.290364uv	ug/L	0.574498	197.9	1.48145
Al 237.312	4641.61	ug/L	3.90531	0.1	20759.1
As 188.980	8.39632	ug/L	0.469310	5.6	11.1696
B 249.678	18.6308	ug/L	0.649778	3.5	559.396
Ba 493.408	41.6665	ug/L	0.058356	0.1	104609
Be 313.042	0.151316	ug/L	0.001879	1.2	585.082
Ca 373.690	4162.03	ug/L	4.98324	0.1	20856.4
Cd 214.439	1.27515	ug/L	0.015116	1.2	52.9884
Co 228.615	9.42115	ug/L	0.275485	2.9	93.8623
Cr 267.716	119.457	ug/L	0.313303	0.3	5820.69
Cu 327.395	98.8776	ug/L	0.824816	0.8	6941.64
Fe 273.955	76282.7	ug/L	289.118	0.4	996737
K 404.721	798.564	ug/L	477.224	59.8	22.5225
Li 610.365	0.179772	ug/L	0.031215	17.4	17.9277
Mg 279.078	1073.70	ug/L	3.99828	0.4	4842.31

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	709.558	ug/L	1.46290	0.2	215891
Mo 202.032	22.8420	ug/L	0.901577	3.9	231.776
Na 330.237	410.662	ug/L	11.9137	2.9	66.8723
Ni 216.555	70.4259	ug/L	0.440393	0.6	627.270
Pb 220.353	2.03165	ug/L	0.285112	14.0	16.4292
Sb 217.582	-0.718681uv	ug/L	0.946848	131.7	3.13455
Se 196.026	-3.29317uv	ug/L	0.742678	22.6	1.28235
Si 251.611	687.541	ug/L	4.17428	0.6	3740.62
Si 288.158	701.112	ug/L	8.80250	1.3	9104.59
Sn 283.998	49.0992	ug/L	0.650351	1.3	237.162
Sr 421.552	12.7459	ug/L	0.032246	0.3	31583.9
Ti 336.122	347.766	ug/L	0.195615	0.1	85303.1
Tl 190.794	-0.481378uv	ug/L	0.111370	23.1	1.16781
V 292.401	10.2174	ug/L	0.001196	0.0	409.048
Zn 202.548	16.8972	ug/L	0.002237	0.0	458.819
Zr 339.198	4.12283	ug/L	0.322903	7.8	238.009

360-24499-A-3-D pds (Samp) **9/30/2009, 3:34:54 PM** **Rack 1, Tube 52**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	925.021	ug/L	1.11741	0.1	7944.56
Al 237.312	27267.3	ug/L	15.2014	0.1	113726
As 188.980	964.383	ug/L	1.34982	0.1	1026.88
B 249.678	951.334	ug/L	10.4545	1.1	27758.9
Ba 493.408	1110.27	ug/L	1.42017	0.1	2784705
Be 313.042	916.937	ug/L	1.07883	0.1	3147600
Ca 373.690	39272.2	ug/L	5.51322	0.0	191413
Cd 214.439	911.778	ug/L	7.87813	0.9	35566.6
Co 228.615	954.203	ug/L	1.88568	0.2	8501.87
Cr 267.716	1474.09	ug/L	5.10641	0.3	71575.7
Cu 327.395	1407.03	ug/L	22.6743	1.6	97925.1
Fe 273.955	345749	ug/L	658.228	0.2	4326071
K 404.721	22570.1	ug/L	800.896	3.5	325.585
Li 610.365	4554.43	ug/L	12.1375	0.3	341352
Mg 279.078	22256.6	ug/L	74.7724	0.3	98715.7
Mn 257.610	3947.48	ug/L	12.0224	0.3	1200945
Mo 202.032	1069.23	ug/L	3.97687	0.4	10088.4
Na 330.237	19071.9	ug/L	41.1199	0.2	2651.18
Ni 216.555	1219.02	ug/L	2.79494	0.2	10813.2
Pb 220.353	907.578	ug/L	0.716861	0.1	4622.16
Sb 217.582	910.409	ug/L	1.88779	0.2	1834.08
Se 196.026	881.297	ug/L	1.01008	0.1	499.372
Si 251.611	4086.18	ug/L	46.4201	1.1	21961.5
Si 288.158	4143.22	ug/L	56.5264	1.4	51537.0
Sn 283.998	1131.37	ug/L	0.148724	0.0	5288.23
Sr 421.552	981.348	ug/L	1.00688	0.1	2430011
Ti 336.122	2512.95	ug/L	11.3572	0.5	616217
Tl 190.794	869.954	ug/L	2.95846	0.3	718.884
V 292.401	981.204	ug/L	2.34618	0.2	37993.4
Zn 202.548	969.788	ug/L	3.61451	0.4	23843.6
Zr 339.198	1020.59	ug/L	0.425801	0.0	58299.1

360-24499-A-15-D (Samp) **9/30/2009, 3:37:46 PM** **Rack 1, Tube 53**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.578539	ug/L	0.140915	24.4	8.94031
Al 237.312	108968	ug/L	324.501	0.3	429373
As 188.980	32.7491	ug/L	3.34008	10.2	37.0439
B 249.678	37.0108	ug/L	2.07206	5.6	1095.40
Ba 493.408	694.088	ug/L	2.50124	0.4	1740901
Be 313.042	2.37229	ug/L	0.010526	0.4	8208.92
Ca 373.690	66931.5	ug/L	228.351	0.3	319164
Cd 214.439	5.16291	ug/L	0.043721	0.8	204.628
Co 228.615	139.456	ug/L	0.849627	0.6	1251.10
Cr 267.716	361.133	ug/L	1.89603	0.5	17551.9
Cu 327.395	361.051	ug/L	4.04610	1.1	25176.0
Fe 273.955	288444	ug/L	1338.22	0.5	3618051
K 404.721	26812.1	ug/L	101.143	0.4	390.794
Li 610.365	113.436	ug/L	0.538509	0.5	8506.29
Mg 279.078	73018.4	ug/L	297.510	0.4	312200
Mn 257.610	1811.42	ug/L	6.81281	0.4	551106
Mo 202.032	118.711	ug/L	1.24368	1.0	1134.83
Na 330.237	1817.11	ug/L	85.1404	4.7	254.917
Ni 216.555	165.435	ug/L	0.217443	0.1	1469.83
Pb 220.353	7.00308	ug/L	0.093714	1.3	41.7146
Sb 217.582	-0.486496uv	ug/L	0.246855	50.7	3.60114
Se 196.026	-3.80360uv	ug/L	2.19971	57.8	0.994934
Si 251.611	3477.62	ug/L	81.7963	2.4	18698.9
Si 288.158	3546.20	ug/L	90.8584	2.6	44177.3
Sn 283.998	131.302	ug/L	0.999127	0.8	620.811
Sr 421.552	104.149	ug/L	0.324432	0.3	257914
Ti 336.122	7633.50	ug/L	32.3981	0.4	1871805
Tl 190.794	1.84000uv	ug/L	3.37854	183.6	3.08189
V 292.401	419.825	ug/L	1.55815	0.4	16263.9
Zn 202.548	269.815	ug/L	0.859931	0.3	6665.65
Zr 339.198	38.1697	ug/L	2.83191	7.4	2182.78

360-24499-A-18-E (Samp) **9/30/2009, 3:40:39 PM** **Rack 1, Tube 54**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.89089	ug/L	0.739103	39.1	20.2058
Al 237.312	154774	ug/L	752.085	0.5	606343
As 188.980	84.1435	ug/L	1.03426	1.2	91.6493
B 249.678	24.3657	ug/L	0.472376	1.9	726.637
Ba 493.408	565.404	ug/L	3.59190	0.6	1418157
Be 313.042	4.49500	ug/L	0.025610	0.6	15495.5
Ca 373.690	64557.3	ug/L	334.763	0.5	308427
Cd 214.439	6.00172	ug/L	0.000996	0.0	237.346
Co 228.615	166.128	ug/L	0.660712	0.4	1488.46
Cr 267.716	581.096	ug/L	3.58460	0.6	28229.1
Cu 327.395	449.660	ug/L	2.66043	0.6	31338.9
Fe 273.955	324306	ug/L	916.565	0.3	4061136
K 404.721	29280.3	ug/L	356.205	1.2	429.678
Li 610.365	175.566	ug/L	1.09749	0.6	13162.8
Mg 279.078	78666.6	ug/L	449.626	0.6	334953

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	2978.44	ug/L	5.62613	0.2	906141
Mo 202.032	100.901	ug/L	1.45233	1.4	967.062
Na 330.237	4617.99	ug/L	12.0305	0.3	632.665
Ni 216.555	267.137	ug/L	1.41881	0.5	2371.73
Pb 220.353	34.8632	ug/L	0.098226	0.3	183.415
Sb 217.582	-0.118803uv	ug/L	2.07127	1743.4	4.34003
Se 196.026	-1.03885uv	ug/L	3.81943	367.7	2.55170
Si 251.611	4677.61	ug/L	23.8321	0.5	25132.3
Si 288.158	4773.59	ug/L	23.5054	0.5	59307.9
Sn 283.998	220.330	ug/L	2.48559	1.1	1036.31
Sr 421.552	159.206	ug/L	0.915551	0.6	394244
Ti 336.122	10519.6	ug/L	21.7428	0.2	2579487
Tl 190.794	1.81191	ug/L	1.36887	75.5	3.05873
V 292.401	537.778	ug/L	3.19752	0.6	20829.5
Zn 202.548	462.716	ug/L	1.68093	0.4	11399.6
Zr 339.198	43.2808	ug/L	0.203052	0.5	2474.72

360-24499-A-21-C (Samp) **9/30/2009, 3:43:31 PM** **Rack 1, Tube 55**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.740522	ug/L	0.215344	29.1	10.3308
Al 237.312	123641	ug/L	519.061	0.4	486060
As 188.980	70.8871	ug/L	1.86026	2.6	77.5647
B 249.678	15.4611	ug/L	0.425504	2.8	466.961
Ba 493.408	372.216	ug/L	2.22773	0.6	933636
Be 313.042	3.52516	ug/L	0.010776	0.3	12166.3
Ca 373.690	40688.6	ug/L	148.219	0.4	198096
Cd 214.439	3.57285	ug/L	0.046728	1.3	142.609
Co 228.615	103.020	ug/L	0.258988	0.3	926.840
Cr 267.716	275.076	ug/L	1.31501	0.5	13374.6
Cu 327.395	306.674	ug/L	1.12242	0.4	21394.0
Fe 273.955	207017	ug/L	841.104	0.4	2611997
K 404.721	23483.2	ug/L	116.825	0.5	339.437
Li 610.365	158.430	ug/L	0.470545	0.3	11878.5
Mg 279.078	62455.6	ug/L	231.738	0.4	269110
Mn 257.610	1609.67	ug/L	3.87545	0.2	489729
Mo 202.032	3.09822	ug/L	0.577995	18.7	45.7964
Na 330.237	2391.38	ug/L	28.2178	1.2	332.013
Ni 216.555	207.778	ug/L	0.834758	0.4	1845.33
Pb 220.353	27.2647	ug/L	0.563895	2.1	144.768
Sb 217.582	0.047807uv	ug/L	0.944787	1976.3	4.67484
Se 196.026	-2.64610uv	ug/L	1.11975	42.3	1.64670
Si 251.611	3002.70	ug/L	36.5020	1.2	16152.8
Si 288.158	3049.67	ug/L	23.6344	0.8	38056.3
Sn 283.998	101.681	ug/L	0.561204	0.6	482.565
Sr 421.552	91.9435	ug/L	0.396604	0.4	227691
Ti 336.122	7654.30	ug/L	55.3836	0.7	1876903
Tl 190.794	1.12600	ug/L	0.179755	16.0	2.49317
V 292.401	335.711	ug/L	1.58490	0.5	13008.1
Zn 202.548	324.936	ug/L	3.41236	1.1	8018.36
Zr 339.198	31.0216	ug/L	0.109796	0.4	1774.47

360-24807-A-1-C (Samp) **9/30/2009, 3:46:24 PM** **Rack 1, Tube 56**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	2.63177	ug/L	1.03963	39.5	26.5657
Al 237.312	121362	ug/L	221.579	0.2	477258
As 188.980	103.888	ug/L	1.02504	1.0	112.627
B 249.678	47.1338	ug/L	0.065088	0.1	1390.60
Ba 493.408	1588.43	ug/L	11.1468	0.7	3983951
Be 313.042	5.07940	ug/L	0.011312	0.2	17501.5
Ca 373.690	267886	ug/L	827.801	0.3	1179722
Cd 214.439	11.1115	ug/L	0.004311	0.0	436.650
Co 228.615	86.0317	ug/L	0.435177	0.5	775.652
Cr 267.716	201.018	ug/L	1.02967	0.5	9779.73
Cu 327.395	752.538	ug/L	3.53424	0.5	52404.3
Fe 273.955	231545	ug/L	1090.02	0.5	2915048
K 404.721	17813.3	ug/L	47.3485	0.3	254.820
Li 610.365	129.299	ug/L	0.155964	0.1	9695.21
Mg 279.078	58927.5	ug/L	204.224	0.3	254562
Mn 257.610	4548.34	ug/L	12.9717	0.3	1383745
Mo 202.032	8.73650	ug/L	0.330220	3.8	98.9070
Na 330.237	2924.28	ug/L	53.2643	1.8	403.719
Ni 216.555	177.898	ug/L	0.225513	0.1	1580.35
Pb 220.353	3417.52	ug/L	7.62902	0.2	17388.1
Sb 217.582	0.653577uv	ug/L	2.76660	423.3	5.89215
Se 196.026	2.99146	ug/L	1.36368	45.6	4.82106
Si 251.611	3615.99	ug/L	32.9424	0.9	19440.8
Si 288.158	3684.49	ug/L	27.6305	0.7	45882.1
Sn 283.998	94.9390	ug/L	0.755698	0.8	451.100
Sr 421.552	655.348	ug/L	2.16370	0.3	1622779
Ti 336.122	4617.10	ug/L	8.25361	0.2	1132168
Tl 190.794	2.73112	ug/L	1.80388	66.0	3.81667
V 292.401	285.052	ug/L	0.969920	0.3	11047.2
Zn 202.548	3260.82	ug/L	31.2114	1.0	80067.5
Zr 339.198	76.4660	ug/L	5.75443	7.5	4370.27

360-24807-A-2-B (Samp) **9/30/2009, 3:49:16 PM** **Rack 1, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.251962	ug/L	0.057768	22.9	6.13690
Al 237.312	92994.6	ug/L	146.040	0.2	367661
As 188.980	22.7641	ug/L	1.06421	4.7	26.4351
B 249.678	12.7667	ug/L	0.026900	0.2	388.389
Ba 493.408	924.270	ug/L	2.14208	0.2	2318205
Be 313.042	3.62130	ug/L	0.006909	0.2	12496.4
Ca 373.690	15915.1	ug/L	54.7200	0.3	78995.0
Cd 214.439	2.55393	ug/L	0.071163	2.8	102.866
Co 228.615	56.2560	ug/L	0.655570	1.2	510.665
Cr 267.716	72.5179	ug/L	0.264296	0.4	3542.23
Cu 327.395	137.872	ug/L	0.111877	0.1	9653.72
Fe 273.955	115540	ug/L	384.053	0.3	1481775
K 404.721	20266.1	ug/L	307.891	1.5	290.986
Li 610.365	31.4569	ug/L	0.019255	0.1	2362.10
Mg 279.078	17210.9	ug/L	28.7856	0.2	76611.0

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	3996.34	ug/L	7.74054	0.2	1215810
Mo 202.032	3.20391	ug/L	0.052021	1.6	46.7920
Na 330.237	2190.19	ug/L	28.4381	1.3	304.982
Ni 216.555	74.4594	ug/L	0.263320	0.4	663.040
Pb 220.353	116.378	ug/L	0.374162	0.3	598.008
Sb 217.582	-0.697025uv	ug/L	0.736805	105.7	3.17807
Se 196.026	-3.39826uv	ug/L	2.26341	66.6	1.22318
Si 251.611	3360.35	ug/L	89.6819	2.7	18070.2
Si 288.158	3434.16	ug/L	115.663	3.4	42796.1
Sn 283.998	20.0414	ug/L	0.024043	0.1	101.547
Sr 421.552	104.039	ug/L	0.080048	0.1	257642
Ti 336.122	2536.77	ug/L	13.3636	0.5	622057
Tl 190.794	1.79413	ug/L	0.325501	18.1	3.04408
V 292.401	122.918	ug/L	0.153941	0.1	4771.39
Zn 202.548	231.096	ug/L	0.640567	0.3	5715.45
Zr 339.198	84.6481	ug/L	5.20842	6.2	4837.63

360-24807-A-3-B (Samp) **9/30/2009, 3:52:08 PM** **Rack 1, Tube 58**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	2.27454	ug/L	1.47272	64.7	23.4991
Al 237.312	187146	ug/L	525.104	0.3	731410
As 188.980	97.5718	ug/L	0.243785	0.2	105.916
B 249.678	40.2890	ug/L	0.358468	0.9	1190.99
Ba 493.408	1741.57	ug/L	3.49099	0.2	4368027
Be 313.042	6.30907	ug/L	0.020189	0.3	21722.6
Ca 373.690	154017	ug/L	341.477	0.2	694452
Cd 214.439	10.9181	ug/L	0.027694	0.3	429.105
Co 228.615	105.889	ug/L	0.938700	0.9	952.373
Cr 267.716	194.871	ug/L	0.833248	0.4	9481.38
Cu 327.395	462.494	ug/L	0.439029	0.1	32231.5
Fe 273.955	253643	ug/L	619.746	0.2	3188073
K 404.721	12527.0	ug/L	233.710	1.9	179.175
Li 610.365	135.752	ug/L	0.913296	0.7	10178.8
Mg 279.078	43490.6	ug/L	153.166	0.4	189987
Mn 257.610	6382.00	ug/L	39.3704	0.6	1941588
Mo 202.032	8.47897	ug/L	0.039462	0.5	96.4812
Na 330.237	7739.62	ug/L	18.8095	0.2	1058.80
Ni 216.555	187.159	ug/L	0.604498	0.3	1662.48
Pb 220.353	8088.20	ug/L	36.8662	0.5	41143.8
Sb 217.582	2.50115	ug/L	2.57528	103.0	9.60492
Se 196.026	4.10770	ug/L	2.26701	55.2	5.44958
Si 251.611	5898.51	ug/L	86.8826	1.5	31677.9
Si 288.158	5942.61	ug/L	49.7982	0.8	73718.9
Sn 283.998	92.7183	ug/L	0.892191	1.0	440.736
Sr 421.552	702.198	ug/L	1.47412	0.2	1738788
Ti 336.122	6878.89	ug/L	30.5655	0.4	1686770
Tl 190.794	1.30045	ug/L	0.280422	21.6	2.63701
V 292.401	395.751	ug/L	0.533567	0.1	15332.0
Zn 202.548	3321.42	ug/L	2.44017	0.1	81554.8
Zr 339.198	81.9777	ug/L	6.08884	7.4	4685.10

360-24807-A-4-B (Samp) **9/30/2009, 3:55:00 PM** **Rack 1, Tube 59**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.007551uv	ug/L	0.655363	8679.2	4.03882
Al 237.312	126050	ug/L	9.59014	0.0	495371
As 188.980	37.7694	ug/L	1.03684	2.7	42.3778
B 249.678	10.9181	ug/L	0.338761	3.1	334.481
Ba 493.408	425.025	ug/L	0.181632	0.0	1066084
Be 313.042	4.20569	ug/L	0.007804	0.2	14502.4
Ca 373.690	22468.6	ug/L	116.478	0.5	110956
Cd 214.439	4.09494	ug/L	0.176016	4.3	162.973
Co 228.615	107.445	ug/L	0.364149	0.3	966.219
Cr 267.716	170.105	ug/L	0.384520	0.2	8279.18
Cu 327.395	214.524	ug/L	0.887660	0.4	14984.9
Fe 273.955	214861	ug/L	23.3345	0.0	2708905
K 404.721	18236.2	ug/L	61.4741	0.3	261.008
Li 610.365	103.773	ug/L	0.076547	0.1	7782.11
Mg 279.078	48916.7	ug/L	112.933	0.2	212856
Mn 257.610	5444.31	ug/L	4.08209	0.1	1656319
Mo 202.032	2.57877	ug/L	0.311267	12.1	40.9034
Na 330.237	3204.55	ug/L	22.2901	0.7	441.494
Ni 216.555	209.718	ug/L	0.598164	0.3	1862.54
Pb 220.353	62.9231	ug/L	0.458558	0.7	326.131
Sb 217.582	-0.411126uv	ug/L	2.38373	579.8	3.75259
Se 196.026	-2.64200uv	ug/L	0.681053	25.8	1.64900
Si 251.611	4205.66	ug/L	105.827	2.5	22602.1
Si 288.158	4298.93	ug/L	110.375	2.6	53456.6
Sn 283.998	55.1944	ug/L	0.847873	1.5	265.609
Sr 421.552	128.064	ug/L	0.202089	0.2	317133
Ti 336.122	5476.21	ug/L	13.4219	0.2	1342825
Tl 190.794	2.16746uv	ug/L	3.59838	166.0	3.35191
V 292.401	233.346	ug/L	0.208994	0.1	9045.77
Zn 202.548	356.656	ug/L	5.22113	1.5	8796.80
Zr 339.198	62.9548	ug/L	3.49400	5.6	3598.51

360-24807-A-5-B (Samp) **9/30/2009, 3:57:52 PM** **Rack 1, Tube 60**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.10607	ug/L	0.076702	6.9	13.4688
Al 237.312	176300	ug/L	368.966	0.2	689507
As 188.980	129.778	ug/L	2.96797	2.3	140.135
B 249.678	31.2490	ug/L	0.190954	0.6	927.370
Ba 493.408	1665.50	ug/L	2.29680	0.1	4177221
Be 313.042	6.06865	ug/L	0.013207	0.2	20897.3
Ca 373.690	50977.1	ug/L	159.969	0.3	246186
Cd 214.439	7.33275	ug/L	0.073948	1.0	289.262
Co 228.615	93.3665	ug/L	0.330043	0.4	840.927
Cr 267.716	186.325	ug/L	0.781620	0.4	9066.51
Cu 327.395	410.717	ug/L	3.06530	0.7	28630.3
Fe 273.955	256689	ug/L	761.653	0.3	3225702
K 404.721	13680.3	ug/L	188.829	1.4	195.411
Li 610.365	113.912	ug/L	0.335643	0.3	8542.01
Mg 279.078	34681.0	ug/L	76.3289	0.2	152464

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	6009.35	ug/L	13.5541	0.2	1828217
Mo 202.032	5.03393	ug/L	0.057592	1.1	64.0302
Na 330.237	1358.98	ug/L	10.6415	0.8	193.543
Ni 216.555	178.615	ug/L	0.486276	0.3	1586.71
Pb 220.353	5949.80	ug/L	15.4359	0.3	30267.6
Sb 217.582	0.472980uv	ug/L	1.18204	249.9	5.52924
Se 196.026	3.56317	ug/L	2.09333	58.7	5.14297
Si 251.611	4642.29	ug/L	78.3984	1.7	24943.0
Si 288.158	4758.53	ug/L	95.3493	2.0	59122.3
Sn 283.998	82.1870	ug/L	0.227784	0.3	391.585
Sr 421.552	466.691	ug/L	1.22453	0.3	1155632
Ti 336.122	6148.22	ug/L	20.1819	0.3	1507606
Tl 190.794	0.366930	ug/L	0.297511	81.1	1.86728
V 292.401	318.138	ug/L	0.762220	0.2	12327.8
Zn 202.548	2022.46	ug/L	2.24035	0.1	49677.1
Zr 339.198	65.5891	ug/L	6.62280	10.1	3748.98

CCV (CCV) **9/30/2009, 4:00:44 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	1006.47	ug/L	3.62651	0.4	8643.78	100.64745
Al 237.312	5013.04	ug/L	12.0778	0.2	22394.9	100.26072
As 188.980	1005.36	ug/L	4.91004	0.5	1070.43	100.53648
B 249.678	999.417	ug/L	19.8622	2.0	29161.1	99.94173
Ba 493.408	997.290	ug/L	2.30116	0.2	2501341	99.72900
Be 313.042	1005.45	ug/L	4.00367	0.4	3451437	100.54504
Ca 373.690	20067.3	ug/L	53.4529	0.3	99283.1	100.33636
Cd 214.439	999.332	ug/L	2.32365	0.2	38981.7	99.93324
Co 228.615	1001.99	ug/L	3.56013	0.4	8927.14	100.19899
Cr 267.716	1002.35	ug/L	3.99314	0.4	48677.3	100.23534
Cu 327.395	991.653	ug/L	10.4044	1.0	69035.0	99.16526
Fe 273.955	5030.46	ug/L	18.9510	0.4	81799.7	100.60925
K 404.721	20281.3	ug/L	197.497	1.0	291.210	101.40633
Li 610.365	5017.70	ug/L	16.0359	0.3	376074	100.35406
Mg 279.078	20050.6	ug/L	58.2313	0.3	89071.4	100.25317
Mn 257.610	1002.25	ug/L	3.35064	0.3	304937	100.22547
Mo 202.032	998.423	ug/L	4.84880	0.5	9421.41	99.84233
Na 330.237	20035.6	ug/L	51.3592	0.3	2789.88	100.17809
Ni 216.555	997.294	ug/L	0.696274	0.1	8846.89	99.72937
Pb 220.353	1000.43	ug/L	3.48875	0.3	5094.41	100.04287
Sb 217.582	1001.11	ug/L	2.40755	0.2	2016.35	100.11140
Se 196.026	1000.85	ug/L	1.56712	0.2	566.691	100.08527
Si 251.611	1012.88	ug/L	11.7925	1.2	5484.86	101.28827
Si 288.158	1014.27	ug/L	14.5413	1.4	12965.1	101.42741
Sn 283.998	998.573	ug/L	4.41773	0.4	4668.44	99.85732
Sr 421.552	999.737	ug/L	2.60016	0.3	2475546	99.97372
Ti 336.122	1005.77	ug/L	3.39203	0.3	246649	100.57681
Tl 190.794	1003.29	ug/L	4.03703	0.4	828.829	100.32938
V 292.401	1004.56	ug/L	4.06457	0.4	38897.3	100.45558
Zn 202.548	1000.42	ug/L	2.79494	0.3	24595.4	100.04219
Zr 339.198	969.063	ug/L	10.7560	1.1	55355.7	96.90633

CCB (CCB) **9/30/2009, 4:03:36 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	0.123070uv	ug/L	0.237375	192.9	5.03046	0.12307
Al 237.312	1.79142	ug/L	0.342310	19.1	13.7511	1.79142
As 188.980	-0.434328uv	ug/L	0.073112	16.8	1.78724	-0.43433
B 249.678	25.6329	ug/L	3.94521	15.4	763.594	25.63293
Ba 493.408	0.105026	ug/L	0.013408	12.8	371.067	0.10503
Be 313.042	0.103363	ug/L	0.003914	3.8	420.475	0.10336
Ca 373.690	1.73328	ug/L	0.520501	30.0	24.6688	1.73328
Cd 214.439	0.128951	ug/L	0.008273	6.4	8.28130	0.12895
Co 228.615	0.439191	ug/L	0.450196	102.5	13.9281	0.43919
Cr 267.716	0.054556	ug/L	0.023773	43.6	24.7991	0.05456
Cu 327.395	0.205935	ug/L	0.160677	78.0	78.9343	0.20594
Fe 273.955	3.88199	ug/L	0.514746	13.3	85.5191	3.88199
K 404.721	159.716uv	ug/L	511.051	320.0	14.4316	159.71555
Li 610.365	-0.096486uv	ug/L	0.030073	31.2	-2.77734	-0.09649
Mg 279.078	2.47943	ug/L	1.07847	43.5	20.2330	2.47943
Mn 257.610	0.157734	ug/L	0.006228	3.9	74.1978	0.15773
Mo 202.032	9.02307	ug/L	1.72451	19.1	101.606	9.02307
Na 330.237	-53.1377uv	ug/L	25.8463	48.6	5.10120	-53.13773
Ni 216.555	-0.071905uv	ug/L	0.008424	11.7	2.08389	-0.07190
Pb 220.353	-0.093428uv	ug/L	0.158636	169.8	5.62076	-0.09343
Sb 217.582	1.49619	ug/L	0.442873	29.6	7.58542	1.49619
Se 196.026	3.06793	ug/L	0.669029	21.8	4.86412	3.06793
Si 251.611	6.38958	ug/L	0.548934	8.6	88.8007	6.38958
Si 288.158	7.11406	ug/L	0.513820	7.2	549.351	7.11406
Sn 283.998	0.824816	ug/L	0.460798	55.9	11.8614	0.82482
Sr 421.552	0.107369	ug/L	0.001688	1.6	288.853	0.10737
Ti 336.122	0.808005	ug/L	0.185754	23.0	227.010	0.80800
Tl 190.794	2.13731	ug/L	1.12169	52.5	3.32705	2.13731
V 292.401	0.227085	ug/L	0.027777	12.2	22.3505	0.22708
Zn 202.548	0.049897uv	ug/L	0.115280	231.0	45.3707	0.04990
Zr 339.198	0.602020	ug/L	0.011382	1.9	36.8990	0.60202

360-24807-A-6-B (Samp) **9/30/2009, 4:06:29 PM** **Rack 2, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.249637	ug/L	0.181960	72.9	6.11694
Al 237.312	174703	ug/L	673.762	0.4	683336
As 188.980	52.0360	ug/L	2.16960	4.2	57.5358
B 249.678	19.5166	ug/L	0.871017	4.5	585.229
Ba 493.408	395.057	ug/L	1.02270	0.3	990922
Be 313.042	4.05346	ug/L	0.023957	0.6	13979.8
Ca 373.690	25340.6	ug/L	84.8307	0.3	124860
Cd 214.439	6.45433	ug/L	0.027443	0.4	254.999
Co 228.615	190.499	ug/L	1.41725	0.7	1705.35
Cr 267.716	216.422	ug/L	1.10345	0.5	10527.4
Cu 327.395	289.252	ug/L	1.47222	0.5	20182.4
Fe 273.955	334043	ug/L	1957.63	0.6	4181437
K 404.721	17410.4	ug/L	86.3098	0.5	248.945
Li 610.365	227.490	ug/L	1.05611	0.5	17054.5
Mg 279.078	61011.2	ug/L	311.646	0.5	263164

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	6961.01	ug/L	41.3443	0.6	2117737
Mo 202.032	6.37322	ug/L	0.786872	12.3	76.6457
Na 330.237	1099.56	ug/L	2.94021	0.3	158.841
Ni 216.555	211.183	ug/L	2.16963	1.0	1875.53
Pb 220.353	109.938	ug/L	1.66787	1.5	565.258
Sb 217.582	2.16298	ug/L	0.687902	31.8	8.92535
Se 196.026	2.44322	ug/L	2.57835	105.5	4.51236
Si 251.611	3983.70	ug/L	125.069	3.1	21412.1
Si 288.158	4068.48	ug/L	96.8671	2.4	50615.7
Sn 283.998	67.8784	ug/L	0.298170	0.4	324.806
Sr 421.552	96.5409	ug/L	0.242372	0.3	239075
Ti 336.122	5856.94	ug/L	17.5154	0.3	1436182
Tl 190.794	3.26865	ug/L	0.622920	19.1	4.25989
V 292.401	310.227	ug/L	1.51896	0.5	12021.6
Zn 202.548	508.723	ug/L	1.93680	0.4	12528.7
Zr 339.198	69.4539	ug/L	0.147175	0.2	3969.74

360-24807-A-7-B (Samp) **9/30/2009, 4:09:21 PM** **Rack 2, Tube 2**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.098625	ug/L	0.034419	34.9	4.82062
Al 237.312	53717.2	ug/L	89.0899	0.2	215914
As 188.980	24.3658	ug/L	0.856636	3.5	28.1368
B 249.678	10.9017	ug/L	0.203132	1.9	334.000
Ba 493.408	366.086	ug/L	0.401308	0.1	918262
Be 313.042	2.65114	ug/L	0.012134	0.5	9166.12
Ca 373.690	9067.88	ug/L	59.3535	0.7	45252.0
Cd 214.439	2.19677	ug/L	0.050040	2.3	88.9356
Co 228.615	45.2101	ug/L	0.062909	0.1	412.363
Cr 267.716	36.1122	ug/L	0.195542	0.5	1775.07
Cu 327.395	103.844	ug/L	0.696172	0.7	7287.04
Fe 273.955	77980.0	ug/L	186.638	0.2	1017709
K 404.721	18164.5	ug/L	452.935	2.5	259.963
Li 610.365	15.2994	ug/L	0.181726	1.2	1151.12
Mg 279.078	9204.70	ug/L	29.4527	0.3	41208.7
Mn 257.610	7474.32	ug/L	23.8141	0.3	2273899
Mo 202.032	3.45757	ug/L	0.519938	15.0	49.1814
Na 330.237	670.659	ug/L	25.0912	3.7	101.552
Ni 216.555	54.9658	ug/L	0.245393	0.4	490.168
Pb 220.353	48.8513	ug/L	0.273597	0.6	254.561
Sb 217.582	-0.552314uv	ug/L	0.902714	163.4	3.46887
Se 196.026	2.39638	ug/L	0.909674	38.0	4.48598
Si 251.611	3541.47	ug/L	60.2983	1.7	19041.2
Si 288.158	3620.27	ug/L	52.7029	1.5	45090.4
Sn 283.998	10.3748	ug/L	0.162348	1.6	56.4318
Sr 421.552	49.7162	ug/L	0.111009	0.2	123129
Ti 336.122	1357.02	ug/L	1.92184	0.1	332777
Tl 190.794	3.18618	ug/L	0.893044	28.0	4.19189
V 292.401	60.9569	ug/L	0.171147	0.3	2373.04
Zn 202.548	202.302	ug/L	0.334909	0.2	5008.81
Zr 339.198	82.0813	ug/L	2.82746	3.4	4691.02

360-24807-A-8-B (Samp) **9/30/2009, 4:12:14 PM** **Rack 2, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.838785	ug/L	0.611642	72.9	11.1743
Al 237.312	126182	ug/L	122.970	0.1	495879
As 188.980	46.3867	ug/L	2.78856	6.0	51.5335
B 249.678	39.4755	ug/L	0.074672	0.2	1167.27
Ba 493.408	628.021	ug/L	0.779958	0.1	1575204
Be 313.042	4.36054	ug/L	0.005345	0.1	15033.9
Ca 373.690	73664.4	ug/L	168.004	0.2	349380
Cd 214.439	7.02075	ug/L	0.085616	1.2	277.092
Co 228.615	110.265	ug/L	0.228006	0.2	991.313
Cr 267.716	147.760	ug/L	0.299908	0.2	7194.57
Cu 327.395	254.870	ug/L	1.25385	0.5	17791.1
Fe 273.955	234726	ug/L	527.281	0.2	2954351
K 404.721	21396.7	ug/L	76.4490	0.4	307.880
Li 610.365	79.2793	ug/L	0.051817	0.1	5946.31
Mg 279.078	37216.4	ug/L	99.8319	0.3	163313
Mn 257.610	6274.63	ug/L	15.2632	0.2	1908922
Mo 202.032	6.73910	ug/L	0.206622	3.1	80.0922
Na 330.237	1272.34	ug/L	77.2577	6.1	181.950
Ni 216.555	169.681	ug/L	0.873320	0.5	1507.48
Pb 220.353	767.846	ug/L	1.89910	0.2	3911.47
Sb 217.582	0.107990uv	ug/L	0.679956	629.6	4.79578
Se 196.026	-0.841704uv	ug/L	3.68580	437.9	2.66270
Si 251.611	4837.43	ug/L	68.1619	1.4	25989.2
Si 288.158	4945.97	ug/L	82.3337	1.7	61432.9
Sn 283.998	49.5099	ug/L	0.844990	1.7	239.079
Sr 421.552	232.894	ug/L	0.256350	0.1	576709
Ti 336.122	6326.40	ug/L	15.1469	0.2	1551297
Tl 190.794	0.484311	ug/L	0.087385	18.0	1.96407
V 292.401	248.141	ug/L	0.756620	0.3	9618.45
Zn 202.548	547.433	ug/L	3.20485	0.6	13478.6
Zr 339.198	109.203	ug/L	0.970492	0.9	6240.21

360-24807-A-9-B (Samp) **9/30/2009, 4:15:07 PM** **Rack 2, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.245130uv	ug/L	0.033967	13.9	1.86975
Al 237.312	114573	ug/L	248.730	0.2	451028
As 188.980	30.0836	ug/L	1.98773	6.6	34.2119
B 249.678	19.6105	ug/L	0.506581	2.6	587.968
Ba 493.408	568.976	ug/L	1.02195	0.2	1427117
Be 313.042	4.52870	ug/L	0.013280	0.3	15611.2
Ca 373.690	25606.1	ug/L	64.2735	0.3	126142
Cd 214.439	3.27635	ug/L	0.079178	2.4	131.044
Co 228.615	66.3085	ug/L	0.050242	0.1	600.126
Cr 267.716	96.5190	ug/L	0.228497	0.2	4707.27
Cu 327.395	195.291	ug/L	0.862930	0.4	13647.3
Fe 273.955	165134	ug/L	76.3123	0.0	2094520
K 404.721	21575.1	ug/L	277.639	1.3	310.561
Li 610.365	50.5340	ug/L	0.033224	0.1	3791.90
Mg 279.078	23571.6	ug/L	27.1628	0.1	104451

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	4663.86	ug/L	1.17840	0.0	1418887
Mo 202.032	3.03458	ug/L	0.026570	0.9	45.1969
Na 330.237	1762.97	ug/L	11.2057	0.6	247.658
Ni 216.555	105.032	ug/L	0.725438	0.7	934.165
Pb 220.353	62.7766	ug/L	0.526931	0.8	325.387
Sb 217.582	-1.15664uv	ug/L	0.595466	51.5	2.25446
Se 196.026	0.220390uv	ug/L	1.71837	779.7	3.26074
Si 251.611	2699.30	ug/L	54.3599	2.0	14526.2
Si 288.158	2765.72	ug/L	58.0722	2.1	34556.0
Sn 283.998	28.1106	ug/L	0.246463	0.9	139.207
Sr 421.552	106.267	ug/L	0.263174	0.2	263158
Ti 336.122	4406.47	ug/L	17.8717	0.4	1080519
Tl 190.794	0.245005uv	ug/L	1.17051	477.7	1.76675
V 292.401	211.497	ug/L	0.668523	0.3	8200.06
Zn 202.548	263.199	ug/L	1.10306	0.4	6503.28
Zr 339.198	80.0967	ug/L	1.58621	2.0	4577.66

360-24807-A-10-B (Samp) **9/30/2009, 4:18:00 PM** **Rack 2, Tube 5**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.224069	ug/L	0.291523	130.1	5.89746
Al 237.312	120316	ug/L	300.333	0.2	473216
As 188.980	45.8136	ug/L	0.439695	1.0	50.9246
B 249.678	20.9961	ug/L	0.370988	1.8	628.375
Ba 493.408	694.791	ug/L	1.23286	0.2	1742665
Be 313.042	4.29205	ug/L	0.017064	0.4	14798.8
Ca 373.690	39209.7	ug/L	129.624	0.3	191117
Cd 214.439	3.81033	ug/L	0.014878	0.4	151.871
Co 228.615	80.0458	ug/L	0.419483	0.5	722.380
Cr 267.716	123.880	ug/L	0.375597	0.3	6035.39
Cu 327.395	222.132	ug/L	0.701572	0.3	15514.1
Fe 273.955	182946	ug/L	1021.21	0.6	2314593
K 404.721	20696.8	ug/L	679.658	3.3	297.416
Li 610.365	60.8889	ug/L	0.167187	0.3	4567.98
Mg 279.078	24853.8	ug/L	98.4411	0.4	110032
Mn 257.610	5854.36	ug/L	8.10238	0.1	1781065
Mo 202.032	3.91156	ug/L	0.054374	1.4	53.4577
Na 330.237	3382.09	ug/L	96.9765	2.9	465.447
Ni 216.555	127.929	ug/L	1.56118	1.2	1137.22
Pb 220.353	716.337	ug/L	2.51760	0.4	3649.49
Sb 217.582	-0.287357uv	ug/L	0.502450	174.9	4.00131
Se 196.026	-3.01185uv	ug/L	1.71511	56.9	1.44075
Si 251.611	6100.82	ug/L	17.5075	0.3	32762.5
Si 288.158	6146.42	ug/L	5.80325	0.1	76231.4
Sn 283.998	45.7891	ug/L	0.585397	1.3	221.713
Sr 421.552	240.083	ug/L	0.831522	0.3	594510
Ti 336.122	5204.77	ug/L	38.4275	0.7	1276266
Tl 190.794	1.06952	ug/L	1.06261	99.4	2.44660
V 292.401	239.606	ug/L	1.04735	0.4	9288.07
Zn 202.548	341.324	ug/L	4.03043	1.2	8420.55
Zr 339.198	42.7686	ug/L	2.04073	4.8	2445.46

360-24807-A-11-B (Samp) **9/30/2009, 4:20:52 PM** **Rack 2, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	27.2607	ug/L	0.194830	0.7	237.986
Al 237.312	133360	ug/L	20.7934	0.0	523610
As 188.980	47.6008	ug/L	1.73299	3.6	52.8235
B 249.678	77.5866	ug/L	0.602691	0.8	2278.67
Ba 493.408	1903.89	ug/L	1.31383	0.1	4775120
Be 313.042	4.69691	ug/L	0.001260	0.0	16188.6
Ca 373.690	31553.2	ug/L	42.4803	0.1	154721
Cd 214.439	4.26868	ug/L	0.028255	0.7	169.749
Co 228.615	108.378	ug/L	0.185764	0.2	974.523
Cr 267.716	222.521	ug/L	0.016292	0.0	10823.5
Cu 327.395	995.501	ug/L	1.78542	0.2	69302.6
Fe 273.955	186577	ug/L	437.036	0.2	2359459
K 404.721	17415.9	ug/L	552.887	3.2	249.033
Li 610.365	70.9889	ug/L	0.237263	0.3	5324.96
Mg 279.078	28715.9	ug/L	1.42802	0.0	126780
Mn 257.610	3944.38	ug/L	1.67282	0.0	1200004
Mo 202.032	4.62200	ug/L	0.659919	14.3	60.1499
Na 330.237	4559.71	ug/L	5.79220	0.1	624.761
Ni 216.555	138.787	ug/L	0.350619	0.3	1233.51
Pb 220.353	8809.27	ug/L	9.10469	0.1	44811.3
Sb 217.582	-0.125273uv	ug/L	0.339420	270.9	4.32703
Se 196.026	1.15452	ug/L	1.41051	122.2	3.78673
Si 251.611	2815.63	ug/L	69.0729	2.5	15149.8
Si 288.158	2870.54	ug/L	81.1598	2.8	35848.1
Sn 283.998	324.218	ug/L	2.21456	0.7	1521.17
Sr 421.552	255.287	ug/L	0.347565	0.1	632157
Ti 336.122	4551.05	ug/L	3.54071	0.1	1115971
Tl 190.794	0.429192	ug/L	0.199697	46.5	1.91862
V 292.401	228.407	ug/L	0.073876	0.0	8854.59
Zn 202.548	968.255	ug/L	5.86035	0.6	23806.0
Zr 339.198	42.8876	ug/L	4.75217	11.1	2452.27

360-24807-A-13-B (Samp) **9/30/2009, 4:23:45 PM** **Rack 2, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.251557uv	ug/L	1.15819	460.4	6.13342
Al 237.312	132818	ug/L	595.760	0.4	521518
As 188.980	22.4913	ug/L	0.282171	1.3	26.1452
B 249.678	11.4863	ug/L	0.226906	2.0	351.050
Ba 493.408	1137.03	ug/L	5.82422	0.5	2851823
Be 313.042	7.10931	ug/L	0.028209	0.4	24469.5
Ca 373.690	28025.2	ug/L	239.281	0.9	137800
Cd 214.439	4.59945	ug/L	0.019078	0.4	182.651
Co 228.615	163.595	ug/L	0.746295	0.5	1465.92
Cr 267.716	424.263	ug/L	1.75303	0.4	20616.2
Cu 327.395	172.676	ug/L	0.574330	0.3	12074.4
Fe 273.955	241415	ug/L	452.228	0.2	3036988
K 404.721	25960.3	ug/L	140.254	0.5	377.534
Li 610.365	56.7491	ug/L	0.326563	0.6	4257.71
Mg 279.078	38693.8	ug/L	151.904	0.4	169616

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	7999.58	ug/L	27.1742	0.3	2433696
Mo 202.032	101.459	ug/L	0.906245	0.9	972.322
Na 330.237	803.638	ug/L	34.5914	4.3	119.303
Ni 216.555	281.106	ug/L	0.153277	0.1	2495.61
Pb 220.353	114.790	ug/L	0.213839	0.2	589.934
Sb 217.582	-0.864638uv	ug/L	0.692627	80.1	2.84125
Se 196.026	-1.73754uv	ug/L	1.09917	63.3	2.15828
Si 251.611	2346.37	ug/L	4.04394	0.2	12634.0
Si 288.158	2385.42	ug/L	15.0236	0.6	29867.9
Sn 283.998	162.126	ug/L	0.665146	0.4	764.667
Sr 421.552	186.168	ug/L	1.10019	0.6	461007
Ti 336.122	5660.40	ug/L	16.1026	0.3	1387989
Tl 190.794	2.70697	ug/L	1.64139	60.6	3.79675
V 292.401	262.596	ug/L	0.885545	0.3	10177.9
Zn 202.548	257.587	ug/L	0.415831	0.2	6365.57
Zr 339.198	136.905	ug/L	5.19712	3.8	7822.58

360-24807-A-14-B (Samp) **9/30/2009, 4:26:38 PM** **Rack 2, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.162353	ug/L	0.071111	43.8	5.36768
Al 237.312	-x	ug/L	202.387	0.1	1084091
As 188.980	37.1596	ug/L	0.612943	1.6	41.7299
B 249.678	15.4425	ug/L	0.883554	5.7	466.421
Ba 493.408	2130.91	ug/L	7.51007	0.4	5344494
Be 313.042	13.5981	ug/L	0.032270	0.2	46743.4
Ca 373.690	78881.4	ug/L	287.494	0.4	372556
Cd 214.439	14.9098	ug/L	0.199315	1.3	584.799
Co 228.615	331.594	ug/L	0.640837	0.2	2961.01
Cr 267.716	938.862	ug/L	2.13971	0.2	45595.3
Cu 327.395	359.866	ug/L	1.63216	0.5	25093.6
Fe 273.955	-x	ug/L	5323.01	0.8	7883599
K 404.721	34931.6	ug/L	54.8284	0.2	521.265
Li 610.365	210.017	ug/L	0.340746	0.2	15744.9
Mg 279.078	158559	ug/L	518.950	0.3	646103
Mn 257.610	17354.9	ug/L	43.9815	0.3	5279806
Mo 202.032	13.2970	ug/L	0.023028	0.2	141.865
Na 330.237	7494.83	ug/L	5.34611	0.1	1025.19
Ni 216.555	914.537	ug/L	1.36842	0.1	8112.98
Pb 220.353	44.7363	ug/L	1.03655	2.3	233.631
Sb 217.582	-0.999493uv	ug/L	0.070745	7.1	2.57025
Se 196.026	-0.144743uv	ug/L	2.97723	2056.9	3.05515
Si 251.611	2869.52	ug/L	27.9164	1.0	15438.7
Si 288.158	2955.20	ug/L	31.3171	1.1	36891.8
Sn 283.998	345.588	ug/L	2.82897	0.8	1620.90
Sr 421.552	306.637	ug/L	0.105501	0.0	759308
Ti 336.122	14916.9	ug/L	72.9321	0.5	3657737
Tl 190.794	1.34708	ug/L	0.821218	61.0	2.67546
V 292.401	789.302	ug/L	0.741720	0.1	30565.4
Zn 202.548	579.600	ug/L	1.60553	0.3	14268.0
Zr 339.198	242.201	ug/L	3.52701	1.5	13837.1

360-24807-A-15-B (Samp) **9/30/2009, 4:29:31 PM** **Rack 2, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.858651	ug/L	0.725810	84.5	11.3448
Al 237.312	122390	ug/L	516.310	0.4	481228
As 188.980	53.7536	ug/L	1.04653	1.9	59.3606
B 249.678	36.2737	ug/L	1.08550	3.0	1073.90
Ba 493.408	941.769	ug/L	3.44283	0.4	2362094
Be 313.042	6.84604	ug/L	0.039881	0.6	23565.8
Ca 373.690	139636	ug/L	478.976	0.3	633166
Cd 214.439	13.4913	ug/L	0.066686	0.5	529.473
Co 228.615	79.4688	ug/L	0.882351	1.1	717.246
Cr 267.716	333.564	ug/L	2.21938	0.7	16213.6
Cu 327.395	593.133	ug/L	3.37248	0.6	41317.6
Fe 273.955	196567	ug/L	846.749	0.4	2482883
K 404.721	17776.8	ug/L	88.1964	0.5	254.287
Li 610.365	112.489	ug/L	0.701162	0.6	8435.35
Mg 279.078	33800.1	ug/L	167.808	0.5	148685
Mn 257.610	3855.78	ug/L	18.2501	0.5	1173049
Mo 202.032	28.3862	ug/L	0.675091	2.4	284.000
Na 330.237	1771.37	ug/L	86.8151	4.9	248.785
Ni 216.555	192.617	ug/L	0.912228	0.5	1710.88
Pb 220.353	3431.67	ug/L	14.9528	0.4	17460.1
Sb 217.582	2.82130	ug/L	2.62488	93.0	10.2483
Se 196.026	-0.376521uv	ug/L	0.724206	192.3	2.92464
Si 251.611	8963.02	ug/L	116.176	1.3	48107.5
Si 288.158	9087.88	ug/L	63.7390	0.7	112492
Sn 283.998	143.907	ug/L	1.47604	1.0	679.636
Sr 421.552	445.675	ug/L	2.29417	0.5	1103591
Ti 336.122	5191.06	ug/L	23.0120	0.4	1272904
Tl 190.794	0.022503uv	ug/L	1.15895	5150.3	1.58328
V 292.401	259.813	ug/L	1.17611	0.5	10070.2
Zn 202.548	1590.50	ug/L	12.9376	0.8	39076.4
Zr 339.198	101.437	ug/L	4.69021	4.6	5796.60

360-24807-A-16-B (Samp) **9/30/2009, 4:32:23 PM** **Rack 2, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.917508	ug/L	0.454136	49.5	11.8501
Al 237.312	-x	ug/L	494.301	0.2	789878
As 188.980	63.8182	ug/L	1.04304	1.6	70.0541
B 249.678	38.8147	ug/L	0.371329	1.0	1148.00
Ba 493.408	1210.81	ug/L	2.26935	0.2	3036858
Be 313.042	5.69740	ug/L	0.016610	0.3	19622.9
Ca 373.690	124970	ug/L	79.8368	0.1	570667
Cd 214.439	13.8905	ug/L	0.107936	0.8	545.042
Co 228.615	139.209	ug/L	0.400013	0.3	1248.90
Cr 267.716	249.865	ug/L	1.02716	0.4	12150.8
Cu 327.395	623.604	ug/L	0.644009	0.1	43436.8
Fe 273.955	301785	ug/L	1092.06	0.4	3782876
K 404.721	31593.1	ug/L	304.653	1.0	466.727
Li 610.365	133.782	ug/L	0.233228	0.2	10031.2
Mg 279.078	56294.9	ug/L	100.370	0.2	243655

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	7712.93	ug/L	33.4626	0.4	2346489
Mo 202.032	5.08750	ug/L	0.193908	3.8	64.5347
Na 330.237	1882.35	ug/L	19.5071	1.0	263.667
Ni 216.555	295.296	ug/L	0.441057	0.1	2621.46
Pb 220.353	11416.7	ug/L	20.6408	0.2	58073.2
Sb 217.582	-0.764165uv	ug/L	0.967445	126.6	3.04315
Se 196.026	-0.395084uv	ug/L	1.18191	299.2	2.91418
Si 251.611	2789.49	ug/L	20.4524	0.7	15009.7
Si 288.158	2846.47	ug/L	27.3759	1.0	35551.5
Sn 283.998	248.606	ug/L	0.776149	0.3	1168.28
Sr 421.552	418.582	ug/L	0.732657	0.2	1036506
Ti 336.122	8342.70	ug/L	24.0327	0.3	2045705
Tl 190.794	1.12063	ug/L	1.23035	109.8	2.48874
V 292.401	359.320	ug/L	1.35122	0.4	13921.9
Zn 202.548	2037.26	ug/L	4.91643	0.2	50040.4
Zr 339.198	92.6676	ug/L	2.94070	3.2	5295.71

CCV (CCV) **9/30/2009, 4:35:16 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	1006.31	ug/L	4.52818	0.4	8642.37	100.63107
Al 237.312	5019.05	ug/L	1.36898	0.0	22421.4	100.38107
As 188.980	1004.80	ug/L	0.555448	0.1	1069.83	100.48024
B 249.678	997.919	ug/L	8.30734	0.8	29117.4	99.79192
Ba 493.408	999.019	ug/L	1.14715	0.1	2505677	99.90186
Be 313.042	1007.27	ug/L	0.320882	0.0	3457687	100.72713
Ca 373.690	20102.3	ug/L	21.5529	0.1	99453.7	100.51147
Cd 214.439	1002.68	ug/L	0.029002	0.0	39112.4	100.26836
Co 228.615	1003.86	ug/L	0.552255	0.1	8943.80	100.38620
Cr 267.716	1003.38	ug/L	1.80924	0.2	48727.2	100.33822
Cu 327.395	1000.20	ug/L	0.784576	0.1	69629.7	100.02035
Fe 273.955	5041.16	ug/L	3.44576	0.1	81968.8	100.82313
K 404.721	20559.7	ug/L	298.300	1.5	295.359	102.79829
Li 610.365	5028.59	ug/L	4.21916	0.1	376890	100.57180
Mg 279.078	20114.5	ug/L	0.158829	0.0	89350.9	100.57236
Mn 257.610	1003.74	ug/L	0.624286	0.1	305388	100.37386
Mo 202.032	1002.46	ug/L	1.83289	0.2	9459.42	100.24577
Na 330.237	20069.5	ug/L	13.3176	0.1	2794.77	100.34768
Ni 216.555	1002.89	ug/L	0.851385	0.1	8896.51	100.28892
Pb 220.353	1003.88	ug/L	0.246521	0.0	5111.98	100.38815
Sb 217.582	999.392	ug/L	0.211821	0.0	2012.89	99.93916
Se 196.026	1001.38	ug/L	1.19747	0.1	566.989	100.13818
Si 251.611	1012.69	ug/L	12.0823	1.2	5483.81	101.26882
Si 288.158	1013.79	ug/L	11.0927	1.1	12959.1	101.37912
Sn 283.998	1000.80	ug/L	2.43668	0.2	4678.84	100.08025
Sr 421.552	1000.68	ug/L	1.01849	0.1	2477886	100.06822
Ti 336.122	1007.01	ug/L	0.693210	0.1	246953	100.70078
Tl 190.794	1003.17	ug/L	2.67038	0.3	828.723	100.31654
V 292.401	1005.15	ug/L	1.18112	0.1	38920.1	100.51457
Zn 202.548	1003.89	ug/L	1.07227	0.1	24680.5	100.38908
Zr 339.198	1013.75	ug/L	3.93902	0.4	57908.3	101.37514

CCB (CCB) **9/30/2009, 4:38:08 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	0.707681	ug/L	0.893361	126.2	10.0489	0.70768
Al 237.312	2.05990	ug/L	0.736810	35.8	14.9682	2.05990
As 188.980	0.689382uv	ug/L	1.28572	186.5	2.98115	0.68938
B 249.678	24.5115	ug/L	3.92908	16.0	730.889	24.51146
Ba 493.408	0.137494	ug/L	0.014334	10.4	452.498	0.13749
Be 313.042	0.121943	ug/L	0.002386	2.0	484.254	0.12194
Ca 373.690	2.22250	ug/L	1.05097	47.3	27.1262	2.22250
Cd 214.439	0.148819	ug/L	0.034352	23.1	9.05623	0.14882
Co 228.615	0.085211	ug/L	0.107612	126.3	10.7779	0.08521
Cr 267.716	0.155004	ug/L	0.095752	61.8	29.6750	0.15500
Cu 327.395	0.040470	ug/L	0.017727	43.8	67.4260	0.04047
Fe 273.955	4.29483	ug/L	0.517215	12.0	92.4104	4.29483
K 404.721	454.933	ug/L	477.625	105.0	18.1649	454.93317
Li 610.365	-0.022568uv	ug/L	0.027769	123.0	2.76270	-0.02257
Mg 279.078	3.73164	ug/L	0.042135	1.1	25.8740	3.73164
Mn 257.610	0.211035	ug/L	0.000614	0.3	90.4130	0.21103
Mo 202.032	8.83543	ug/L	2.01062	22.8	99.8389	8.83543
Na 330.237	25.8260	ug/L	18.9303	73.3	15.6102	25.82597
Ni 216.555	0.500093	ug/L	0.134539	26.9	7.15646	0.50009
Pb 220.353	0.275731	ug/L	0.106170	38.5	7.49835	0.27573
Sb 217.582	-0.024799uv	ug/L	0.292729	1180.4	4.52893	-0.02480
Se 196.026	1.68822	ug/L	1.04493	61.9	4.08724	1.68822
Si 251.611	5.66664	ug/L	0.103013	1.8	84.9249	5.66664
Si 288.158	6.79281	ug/L	0.386678	5.7	545.391	6.79281
Sn 283.998	1.06485	ug/L	0.613972	57.7	12.9816	1.06485
Sr 421.552	0.127735	ug/L	0.001193	0.9	339.282	0.12774
Ti 336.122	0.976513	ug/L	0.196781	20.2	268.329	0.97651
Tl 190.794	2.07909	ug/L	0.864877	41.6	3.27903	2.07909
V 292.401	0.389163	ug/L	0.058798	15.1	28.6241	0.38916
Zn 202.548	0.182004	ug/L	0.022275	12.2	48.6127	0.18200
Zr 339.198	0.642636	ug/L	0.110112	17.1	39.2191	0.64264

360-24807-A-17-B (Samp) **9/30/2009, 4:41:00 PM** **Rack 2, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.266958uv	ug/L	0.565629	211.9	6.26563
Al 237.312	-x	ug/L	349.421	0.1	958714
As 188.980	59.0927	ug/L	2.16913	3.7	65.0334
B 249.678	26.9210	ug/L	0.606591	2.3	801.155
Ba 493.408	869.331	ug/L	1.79888	0.2	2180416
Be 313.042	7.75940	ug/L	0.023764	0.3	26701.1
Ca 373.690	29827.3	ug/L	73.5156	0.2	146455
Cd 214.439	5.99795	ug/L	0.089217	1.5	237.199
Co 228.615	142.797	ug/L	0.136003	0.1	1280.83
Cr 267.716	343.621	ug/L	1.32285	0.4	16701.8
Cu 327.395	283.119	ug/L	0.615892	0.2	19755.8
Fe 273.955	332139	ug/L	2222.68	0.7	4157910
K 404.721	34013.9	ug/L	374.814	1.1	506.152
Li 610.365	180.155	ug/L	0.008988	0.0	13506.8
Mg 279.078	63726.5	ug/L	166.966	0.3	274332

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	6272.57	ug/L	17.3925	0.3	1908297
Mo 202.032	8.97755	ug/L	1.23963	13.8	101.178
Na 330.237	1841.60	ug/L	60.7220	3.3	258.201
Ni 216.555	257.721	ug/L	0.538422	0.2	2288.23
Pb 220.353	106.069	ug/L	1.03992	1.0	545.579
Sb 217.582	0.481181uv	ug/L	2.07642	431.5	5.54572
Se 196.026	-1.01384uv	ug/L	0.653154	64.4	2.56578
Si 251.611	2756.26	ug/L	23.8255	0.9	14831.5
Si 288.158	2824.72	ug/L	20.7775	0.7	35283.3
Sn 283.998	122.424	ug/L	0.699360	0.6	579.376
Sr 421.552	203.942	ug/L	0.529078	0.3	505020
Ti 336.122	11177.5	ug/L	19.2797	0.2	2740805
Tl 190.794	0.909959uv	ug/L	3.06315	336.6	2.31503
V 292.401	468.547	ug/L	1.41909	0.3	18149.8
Zn 202.548	480.512	ug/L	0.043568	0.0	11836.3
Zr 339.198	95.1414	ug/L	1.17249	1.2	5437.01

CCV (CCV) **9/30/2009, 4:43:53 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	1002.54	ug/L	1.20222	0.1	8610.03	100.25436
Al 237.312	4993.51	ug/L	4.08658	0.1	22309.0	99.87011
As 188.980	1001.46	ug/L	4.60016	0.5	1066.28	100.14597
B 249.678	993.736	ug/L	19.0428	1.9	28995.4	99.37362
Ba 493.408	992.855	ug/L	0.294599	0.0	2490218	99.28550
Be 313.042	1000.54	ug/L	0.071384	0.0	3434567	100.05359
Ca 373.690	19987.8	ug/L	21.3596	0.1	98896.3	99.93924
Cd 214.439	998.439	ug/L	0.796401	0.1	38946.8	99.84393
Co 228.615	998.954	ug/L	0.067716	0.0	8900.13	99.89542
Cr 267.716	997.020	ug/L	1.82888	0.2	48418.4	99.70203
Cu 327.395	998.674	ug/L	12.0058	1.2	69523.3	99.86741
Fe 273.955	5014.52	ug/L	8.95243	0.2	81547.4	100.29033
K 404.721	20271.1	ug/L	390.917	1.9	291.063	101.35571
Li 610.365	4996.31	ug/L	9.03357	0.2	374470	99.92610
Mg 279.078	20012.8	ug/L	24.9559	0.1	88905.7	100.06403
Mn 257.610	998.738	ug/L	1.37231	0.1	303867	99.87380
Mo 202.032	999.256	ug/L	0.506334	0.1	9429.25	99.92556
Na 330.237	19921.9	ug/L	64.0636	0.3	2773.50	99.60973
Ni 216.555	997.350	ug/L	2.83827	0.3	8847.38	99.73495
Pb 220.353	999.784	ug/L	0.478842	0.0	5091.14	99.97842
Sb 217.582	996.071	ug/L	1.43601	0.1	2006.22	99.60714
Se 196.026	998.379	ug/L	0.657993	0.1	565.298	99.83791
Si 251.611	999.527	ug/L	13.4722	1.3	5413.25	99.95268
Si 288.158	999.387	ug/L	14.3839	1.4	12781.6	99.93872
Sn 283.998	997.293	ug/L	1.96030	0.2	4662.46	99.72929
Sr 421.552	994.940	ug/L	1.17024	0.1	2463667	99.49397
Ti 336.122	1003.27	ug/L	1.16821	0.1	246036	100.32705
Tl 190.794	998.501	ug/L	0.627739	0.1	824.877	99.85012
V 292.401	999.928	ug/L	1.17391	0.1	38718.1	99.99276
Zn 202.548	999.867	ug/L	0.213246	0.0	24581.8	99.98671
Zr 339.198	1029.70	ug/L	1.74938	0.2	58819.2	102.96995

CCB (CCB) **9/30/2009, 4:46:45 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	0.115049uv	ug/L	0.352327	306.2	4.96161	0.11505
Al 237.312	2.47870	ug/L	0.629043	25.4	16.8668	2.47870
As 188.980	0.674176uv	ug/L	1.95270	289.6	2.96500	0.67418
B 249.678	27.6624	ug/L	3.54624	12.8	822.777	27.66241
Ba 493.408	0.139151	ug/L	0.002234	1.6	456.655	0.13915
Be 313.042	0.128861	ug/L	0.003806	3.0	508.001	0.12886
Ca 373.690	2.44236	ug/L	1.41386	57.9	28.2306	2.44236
Cd 214.439	0.207703	ug/L	0.020544	9.9	11.3530	0.20770
Co 228.615	0.280741	ug/L	0.138152	49.2	12.5180	0.28074
Cr 267.716	0.116453	ug/L	0.094187	80.9	27.8036	0.11645
Cu 327.395	0.061773	ug/L	0.027383	44.3	68.9077	0.06177
Fe 273.955	4.61305	ug/L	0.704449	15.3	97.7222	4.61305
K 404.721	-155.418uv	ug/L	373.589	240.4	10.4503	-155.41772
Li 610.365	0.051337uv	ug/L	0.105347	205.2	8.30176	0.05134
Mg 279.078	3.65368	ug/L	1.27465	34.9	25.5228	3.65368
Mn 257.610	0.226161	ug/L	0.023499	10.4	95.0150	0.22616
Mo 202.032	9.07364	ug/L	1.72139	19.0	102.083	9.07364
Na 330.237	-59.2025uv	ug/L	15.9721	27.0	4.29407	-59.20254
Ni 216.555	0.468026	ug/L	0.284245	60.7	6.87209	0.46803
Pb 220.353	-0.061760uv	ug/L	0.159145	257.7	5.78183	-0.06176
Sb 217.582	-0.268989uv	ug/L	1.01247	376.4	4.03822	-0.26899
Se 196.026	1.44303	ug/L	0.648718	45.0	3.94918	1.44303
Si 251.611	2.48885	ug/L	0.973366	39.1	67.8879	2.48885
Si 288.158	3.49994	ug/L	0.885135	25.3	504.798	3.49994
Sn 283.998	1.47133	ug/L	0.528008	35.9	14.8787	1.47133
Sr 421.552	0.134822	ug/L	0.001856	1.4	356.830	0.13482
Ti 336.122	0.937260	ug/L	0.292761	31.2	258.704	0.93726
Tl 190.794	1.11134	ug/L	0.064374	5.8	2.48108	1.11134
V 292.401	0.373280	ug/L	0.035122	9.4	28.0093	0.37328
Zn 202.548	0.162408	ug/L	0.093307	57.5	48.1318	0.16241
Zr 339.198	0.659538	ug/L	0.069905	10.6	40.1844	0.65954

Interf Check A (ICSA) **9/30/2009, 4:49:38 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	0.143618	ug/L	0.148768	103.6	5.20685	0.14362
Al 237.312	114877	ug/L	150.802	0.1	4522044	877.32031K
As 188.980	0.025732uv	ug/L	0.598208	2324.7	2.27604	0.02573
B 249.678	12.1184	ug/L	0.720524	5.9	369.484	12.11845
Ba 493.408	0.420446	ug/L	0.002961	0.7	1162.15	0.42045
Be 313.042	0.014324	ug/L	0.003286	22.9	114.837	0.01432
Ca 373.690	106074	ug/L	71.1471	0.1	4901406	074.26563K
Cd 214.439	0.828973	ug/L	0.029436	3.6	35.5853	0.82897
Co 228.615	1.73908	ug/L	0.112403	6.5	25.4964	1.73908
Cr 267.716	0.314147	ug/L	0.003354	1.1	37.3999	0.31415
Cu 327.395	0.706152	ug/L	0.246112	34.9	113.725	0.70615
Fe 273.955	44752.7	ug/L	52.7844	0.1	6071774	752.72266K
K 404.721	2445.30	ug/L	300.312	12.3	43.5842	2445.29590
Li 610.365	0.922770	ug/L	0.091563	9.9	73.6143	0.92277
Mg 279.078	111538	ug/L	67.0591	0.1	4638151	538.00000K

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	3.47613	ug/L	0.018376	0.5	1083.74	3.47613
Mo 202.032	1.05082	ug/L	0.592419	56.4	26.5106	1.05082
Na 330.237	110.412	ug/L	20.2124	18.3	26.8705	110.41209
Ni 216.555	5.14938	ug/L	0.394754	7.7	48.3871	5.14938
Pb 220.353	-1.50211uv	ug/L	0.211306	14.1	-1.54401	-1.50211
Sb 217.582	-0.229861uv	ug/L	0.010932	4.8	4.11685	-0.22986
Se 196.026	-5.21663uv	ug/L	0.937593	18.0	0.199295	-5.21663
Si 251.611	0.011089uv	ug/L	0.460931	4156.8	54.6041	0.01109
Si 288.158	0.764052	ug/L	0.247576	32.4	471.071	0.76405
Sn 283.998	2.85482	ug/L	0.732431	25.7	21.3356	2.85482
Sr 421.552	0.606623	ug/L	0.002666	0.4	1525.09	0.60662
Ti 336.122	2.02337	ug/L	0.079496	3.9	525.023	2.02337
Tl 190.794	1.53040	ug/L	0.981462	64.1	2.82661	1.53040
V 292.401	2.08313	ug/L	0.113725	5.5	94.1930	2.08313
Zn 202.548	0.628613	ug/L	0.044198	7.0	59.5729	0.62861
Zr 339.198	0.807662	ug/L	0.072695	9.0	48.6454	0.80766

Interf Check AB (ICSAB) **9/30/2009, 4:52:32 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	619.925	ug/L	1.37649	0.2	5325.55	103.32086
Al 237.312	112770	ug/L	40.9238	0.0	444062	112.76984
As 188.980	2001.97	ug/L	1.53652	0.1	2129.30	100.09867
B 249.678	8.59514	ug/L	1.28501	15.0	266.737	-
Ba 493.408	588.289	ug/L	1.03632	0.2	1475554	98.04813
Be 313.042	192.158	ug/L	0.099048	0.1	659680	96.07913
Ca 373.690	103595	ug/L	129.367	0.1	479573	103.59474
Cd 214.439	578.537	ug/L	0.069399	0.0	22568.8	96.42283
Co 228.615	580.344	ug/L	0.145703	0.0	5174.74	96.72398
Cr 267.716	575.632	ug/L	0.940378	0.2	27963.8	95.93868
Cu 327.395	603.371	ug/L	0.282774	0.0	42029.6	100.56185
Fe 273.955	43907.5	ug/L	13.7831	0.0	596734	109.76878
K 404.721	43644.3	ug/L	12.9820	0.0	669.482	109.11069
Li 610.365	0.880332	ug/L	0.064642	7.3	70.4336	-
Mg 279.078	108370	ug/L	87.3111	0.1	451532	108.36950
Mn 257.610	387.678	ug/L	0.438899	0.1	117967	96.91948
Mo 202.032	0.063434uv	ug/L	0.381020	600.7	17.2098	-
Na 330.237	3.77204uv	ug/L	62.7359	1663.2	12.6753	-
Ni 216.555	581.690	ug/L	1.19808	0.2	5161.25	96.94837
Pb 220.353	1895.73	ug/L	0.761832	0.0	9648.02	94.78634
Sb 217.582	940.734	ug/L	1.37265	0.1	1895.01	94.07339
Se 196.026	975.146	ug/L	12.3121	1.3	552.216	97.51455
Si 251.611	-0.450417uv	ug/L	1.23728	274.7	52.1298	-
Si 288.158	0.867442	ug/L	0.325144	37.5	472.346	-
Sn 283.998	257.585	ug/L	1.03895	0.4	1210.18	-
Sr 421.552	0.626386	ug/L	0.004172	0.7	1574.03	-
Ti 336.122	1.86859	ug/L	0.067780	3.6	487.072	-
Tl 190.794	1888.64	ug/L	3.32665	0.2	1558.84	94.43224
V 292.401	593.323	ug/L	0.439913	0.1	22979.5	98.88708
Zn 202.548	563.465	ug/L	1.25664	0.2	13872.1	93.91089
Zr 339.198	1.74583	ug/L	0.220998	12.7	102.234	-

RB (ICSAB) **9/30/2009, 4:55:25 PM** **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	0.071109uv	ug/L	0.189994	267.2	4.58441	-
Al 237.312	5.06078	ug/L	0.297190	5.9	28.5720	-
As 188.980	0.653377uv	ug/L	1.49519	228.8	2.94290	-
B 249.678	5.90697	ug/L	0.027675	0.5	188.345	-
Ba 493.408	0.035329	ug/L	0.003822	10.8	196.267	-
Be 313.042	0.013054	ug/L	0.003179	24.3	110.476	-
Ca 373.690	5.35099	ug/L	0.468402	8.8	42.8409	-
Cd 214.439	0.017933	ug/L	0.019668	109.7	3.95108	-
Co 228.615	0.209500	ug/L	0.120068	57.3	11.8840	-
Cr 267.716	-0.023232uv	ug/L	0.048843	210.2	21.0233	-
Cu 327.395	-0.081366uv	ug/L	0.006049	7.4	58.9523	-
Fe 273.955	10.7664	ug/L	1.82330	16.9	200.432	-
K 404.721	96.8728	ug/L	18.3554	18.9	13.6321	-
Li 610.365	-0.001303uv	ug/L	0.106526	8175.6	4.35645	-
Mg 279.078	5.05672	ug/L	0.192128	3.8	31.8432	-
Mn 257.610	0.156529	ug/L	0.005295	3.4	73.8310	-
Mo 202.032	-0.486533uv	ug/L	0.221836	45.6	12.0293	-
Na 330.237	-21.2855uv	ug/L	16.4521	77.3	9.34021	-
Ni 216.555	-0.018509uv	ug/L	0.007672	41.5	2.55742	-
Pb 220.353	0.161794uv	ug/L	0.663930	410.4	6.91885	-
Sb 217.582	1.72807	ug/L	0.239327	13.8	8.05138	-
Se 196.026	3.08135	ug/L	2.72473	88.4	4.87167	-
Si 251.611	1.39039	ug/L	1.05433	75.8	61.9988	-
Si 288.158	2.38693	ug/L	1.52020	63.7	491.077	-
Sn 283.998	0.833487	ug/L	0.156910	18.8	11.9019	-
Sr 421.552	0.000158uv	ug/L	0.005625	3565.9	23.3782	-
Ti 336.122	0.259691	ug/L	0.174342	67.1	92.5601	-
Tl 190.794	6.67316	ug/L	0.029318	0.4	7.06707	-
V 292.401	0.229857	ug/L	0.051999	22.6	22.4578	-
Zn 202.548	0.166951	ug/L	0.012219	7.3	48.2433	-
Zr 339.198	0.276391	ug/L	0.130866	47.3	18.2990	-

Metals Worksheet

Batch Number: 360-49675
Method: 3050B
Analyst: Burton, Teresa F

Date Open: Sep 30 2009 10:04AM
Batch End: Sep 30 2009 1:45PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	stlma-3_00041	stlma2_00036
MB~360-49675/1		3050B, 6010B		2.0 g	100 mL		
LCS~360-49675/2		3050B, 6010B		2.0 g	100 mL	1.0 mL	1.0 mL
LCSD~360-49675/3		3050B, 6010B		2.0 g	100 mL	1.0 mL	1.0 mL
360-24499-A-3	OC-SB-469-28/30-XXX	3050B, 6010B	T	1.91 g	100 mL		
360-24499-A-3~DU		3050B, 6010B	T	1.93 g	100 mL		
360-24499-A-3~MS		3050B, 6010B	T	1.93 g	100 mL	1.0 mL	1.0 mL
360-24499-A-15	OC-SB-417-20/22-XXX	3050B, 6010B	T	1.66 g	100 mL		
360-24499-A-18	OC-SB-434-15/16-XXX	3050B, 6010B	T	1.68 g	100 mL		
360-24499-A-21	OC-SB-450-33/35-XXX	3050B, 6010B	T	1.72 g	100 mL		
360-24807-A-1	WSB-1 0-5 FT		T	1.58 g	100 mL		
360-24807-A-2	WSB-1 5-10 FT		T	1.77 g	100 mL		
360-24807-A-3	WSB-2 0-5 FT		T	1.83 g	100 mL		
360-24807-A-4	WSB-2 5-10 FT		T	1.62 g	100 mL		
360-24807-A-5	WSB-3 0-5 FT		T	1.74 g	100 mL		
360-24807-A-6	WSB-3 5-10 FT		T	1.65 g	100 mL		
360-24807-A-7	WSB-3 10-13 FT		T	1.52 g	100 mL		
360-24807-A-8	WSB-4 0-2.5 FT		T	1.71 g	100 mL		
360-24807-A-9	WSB-4 2.5-5.0 FT		T	1.53 g	100 mL		
360-24807-A-10	WSB-5 0-2.5 FT		T	1.60 g	100 mL		
360-24807-A-11	WSB-5 2.5-5.0 FT		T	1.65 g	100 mL		
360-24807-A-13	WSB-6 0-5 FT		T	1.59 g	100 mL		
360-24807-A-14	WSB-6 5-10 FT		T	1.80 g	100 mL		
360-24807-A-15	WSB-7 0-2.5 FT		T	1.57 g	100 mL		
360-24807-A-16	WSB-7 2.5-5.0 FT		T	1.76 g	100 mL		
360-24807-A-17	WSB-8 0-5 FT		T	1.55 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: 360-24499-2
SDG Number: OCRI-13A

Login Number: 24499
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	4.0 C 2.2C
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.	N/A	
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	

TAL- Soil

360-24499

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-SB-466-6.0/8.0-XXX	9/8/2009 1:50:00 PM	T	FS	SO	G	9	X	X	X	X			X		X	X	X								X	X			Category 1
OC-SB-469-0.0/1.0-XXX	9/8/2009 5:15:00 PM	T	FS	SO	G	4	X	X					X		X	X													Category 1
OC-SB-469-28/30-XXX	9/9/2009 10:40:00	T	FS	SO	G	4	X	X					X		X	X													Category 3
OC-SB-469-36/37-XXX	9/9/2009 11:45:00	T	FS	SO	G	~~8~~ 4 (c)	X	X			X	X	X		X	X													Category 2 See special Note below
OC-SB-469-7.0/9.0-XXX	9/9/2009 7:50:00 AM	T	FS	SO	G	4	X	X					X		X	X													Category 2

Special Note for OC-SB-469-36/37-XXX: only (1) Methanol vial for VPH and VOC analysis, only (1) 4 oz jar for SVOC, TAL Metals, EPH, Ammonia and Anions, Priority of analysis is SVOC (first) then Metals, Ammonia, Anions, EPH

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 (Y circled) | MADEP Requirement Samples Iced? Y / N (Y circled)

Temp @ receipt: 4.0°C Deg C

Preservation / pH checked? Y / N (N circled)

By: VAN Date: 9/9/09

Relinquished: [signature]	Date: 09/09/09	Time: 1430	Received: [signature]	Date: 9/9/09	Time: 1430
Relinquished: [signature]	Date: 9/9/09	Time: 1810	Received: [signature]	Date: 9/9/09	Time: @ 1810

TAL- Soil

360 24499

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-466-0.0/1.0-XXX	9/8/2009 12:55:00	T	FS	SO	G	5	X	X					X		X	X	X				Category 1
OC-SB-466-30/32-XXX	9/8/2009 3:50:00 PM	T	FS	SO	G	9	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

* = 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: 4.6°C Deg C

Preservation / pH checked? Y / N

By: _____ Date: 9/9/09

Relinquished:	Date: 09/09/09	Time: 1430	Received:	Date: 9/9/09	Time: 1430
Relinquished:	Date: 9/9/09	Time: 0810	Received:	Date: 9/9/2009	Time: 0810

TAL-Soil

360 24499

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-TBK-015	9/9/2009 2:00:00 PM	T	TB	SO	G	4	X					X									Category 1 only (1) Methanol for VPH; VOC analysis

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 (Y) MADEP Requirement Samples Iced? Y / N (Y)

Temp @ receipt: 4.0°C Deg C

Preservation / pH checked? Y / N (N)

By: Kas Date: 9/9/09

Relinquished: [signature] **Date:** 09/09/09 **Time:** 1430 **Received:** [signature] **Date:** 9/9/09 **Time:** 1430

Relinquished: [signature] **Date:** 9/9/09 **Time:** 1810 **Received:** [signature] **Date:** 9/9/2009 **Time:** @1810

TAL-Edison NJ - Soil

360 24499

Page 4 of 6

10/30/2009

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)
							G	P	G	V	V	V	AG	AV	<--Preservative Type (4) / <--Bottle Type (5)
OC-SB-466-30/32-XXX	9/8/2009 3:50:00 PM	T	FS	SO	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,

Relinquished: [signature] Date: 09/09/09 Time: 1430 Received: [signature] Date: 9/9/09 Time: 1830

Relinquished: [signature] Date: 9/9/09 Time: 1810 Received: [signature] Date: 9/9/2009 @ 1810 Time:

Cooler? Y / N — MADEP Requirement Samples Iced? Y / N

Temp @ receipt: 4.0°C Deg C

Preservation / pH checked? Y / N

By: [signature] Date: 9/9/09

TAL-Edison NJ-Soil

360 24499

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-SB-466-6.0/8.0-XXX	9/8/2009 1:50:00 PM	T	FS	SO	G	1	X																						Category 1
OC-SB-469-0.0/1.0-XXX	9/8/2009 5:15:00 PM	T	FS	SO	G	1	X																						Category 1
OC-SB-469-28/30-XXX	9/9/2009 10:40:00	T	FS	SO	G	1	X																						Category 3
OC-SB-469-7.0/9.0-XXX	9/9/2009 7:50:00 AM	T	FS	SO	G	1	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, AV = 40mL VOA Amber Glass Vial,

Cooler ? Y / N	MADEP Requirement Samples Iced? Y / N
Temp @ receipt: 4.0°C Deg C	
Preservation / pH checked? Y / N	
By: KM	Date: 9/9/09

Relinquished: [signature] **Date:** 09/09/09 **Time:** 1430 **Received:** [signature] **Date:** 9/9/09 **Time:** 1450

Relinquished: [signature] **Date:** 9/9/09 **Time:** 1810 **Received:** [signature] **Date:** 9/9/2009 **Time:** 1810

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.

LOGIN SAMPLE RECEIPT CHECK LIST

Client: OLIN / MALTEC
Day (toxicity): DAY 2

Job Number: 360-24499
Date: 9/10/09

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	T	
Samples were received on ice	T	
Cooler temperature is acceptable	T	
Cooler temperature is recorded	T	2.2°C
COC is present	T	
COC is filled out in ink and legible	T	
COC is filled out with all pertinent information	T	
There are no discrepancies between the sample IDs on the containers and the COC	T	
Samples are received within holding time	T	
Sample containers have legible labels	T	
Containers are not broken or leaking sample collection date/times are provided	T	
Appropriate sample containers are used	T	
Sample bottles are completely filled	T	
There is sufficient vol. for all requested analyses, incl any requested MS/MSDs	T	
VOA sample vials do not have headspace or bubble is <6mm (¼") in diameter	NA	
If necessary, staff have been informed o any short hold time or quick TAT needs	T	
Muliphasic samples are not present	T	
Samples do not require splitting or compositing.	T	

Additional comments:

Thursday 9/10/09
Pick-up

TAL-Soil

3602 4499

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:	

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 #

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 _____

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)
							V	G				V	G		G	G		G	G	G	<--Bottle Type (5)
OC-SB-417-0.0/1.0-XXX	9/10/2009 10:40:00	T	FS	SO	G	4	X	X					X		X	X					Category 1
OC-SB-417-20/22-XXX	9/10/2009 12:05:00	T	FS	SO	G	4	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

Relinquished: [signature] Date: 09/10/09 Time: 1330 Received: [signature] Date: 9/10/09 Time: 1330

Relinquished: [signature] Date: 9/10/09 Time: 1820 Received: [signature] Date: 9/10/2009 Time: @1820

Cooler ? Y / N
MADEP Requirement
Samples Iced? Y / N
Temp @ receipt: 2.2°C Deg C
Preservation / pH checked? Y, N
By: KAR Date: 9/10/09

TAL-Soil

36024499

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-417-8.0/10-XXX	9/10/2009 10:50:00	T	FS	SO	G	4	X	X					X		X	X													Category 2
OC-SB-434-0.0/1.0-XXX	9/10/2009 7:50:00 AM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 1
OC-SB-434-15/16-XXX	9/10/2009 9:35:00 AM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 3
OC-SB-434-7.0/9.0-XXX	9/10/2009 8:15:00 AM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 2
OC-SB-450-0.0/1.0-XXX	9/9/2009 1:40:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 1
OC-SB-450-33/35-XXX	9/9/2009 4:55:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 3
OC-SB-450-8.0/10-XXX	9/9/2009 1:55:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 2
OC-TBK-016	9/10/2009 1:30:00 PM	T	TB	SO	G	3	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

Relinquished: [signature] Date: 09/10/09 Time: 1330 Received: [signature] Date: 9/10/09 Time: 1330

Relinquished: [signature] Date: 9/10/09 Time: 1820 Received: [signature] Date: 9/10/2009 Time: @ 1820

Cooler? Y / N
MADEP Requirement
Samples Iced? Y / N
Temp @ receipt: 2.2°C Deg C
Preservation / pH checked? Y / N
By: [signature] Date: 9/10/09

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.

Doc 24499

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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
360-24499	OC-SB-417-20/22-XXX	(360-24499-15)	09/10/09	Category 3	SVOC[1]	Analyze SVOC Sample as Previously Requested on COC
360-24499	OC-SB-434-15/16-XXX	(360-24499-18)	09/10/09	Category 3	SVOC[2]	Analyze SVOC Sample as Previously Requested on COC; however, please do not analyze for Diphenylamine
360-24499	OC-SB-450-33/35-XXX	(360-24499-21)	09/09/09	Category 3	SVOC[2]	Analyze SVOC Sample as Previously Requested on COC; however, please do not analyze for Diphenylamine
360-24499	OC-SB-469-28/30-XXX	(360-24499-3)	09/09/09	Category 3	SVOC[1]	Analyze SVOC Sample as Previously Requested on COC
360-24499	OC-SB-434-15/16-XXX	(360-24499-18)	09/10/09	Category 3	NDMA	Cancel Previously Requested NDMA Analysis on COC
360-24499	OC-SB-450-33/35-XXX	(360-24499-21)	09/09/09	Category 3	NDMA	Cancel Previously Requested NDMA Analysis on COC
360-24499	OC-SB-434-15/16-XXX	(360-24499-18)	09/10/09	Category 3	Phthalic Anhydrides	Cancel Previously Requested Phthalic Anhydride Analysis on COC
360-24499	OC-SB-450-33/35-XXX	(360-24499-21)	09/09/09	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.

10/8/09
Date

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OCRI-13.xls, SVOCs Pending Samples

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
360-24499	OC-SB-469-28/30-XXX	(360-24499-3)	09/09/09	Category 3	Cr VI	Cancel Previously Requested Cr VI Analysis on COC

Tige Cunningham

Sample Manager
MACTEC Engineering & Consulting, Inc.

10/8/09
Date

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OCRI-13.xls, Chromium Pending Samples

360-24499-2

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
360-24499	OC-SB-417-20/22-XXX	(360-24499-15)	09/10/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24499	OC-SB-434-15/16-XXX	(360-24499-18)	09/10/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24499	OC-SB-450-33/35-XXX	(360-24499-21)	09/09/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24499	OC-SB-469-28/30-XXX	(360-24499-3)	09/09/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24499	OC-SB-417-20/22-XXX	(360-24499-15)	09/10/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC
360-24499	OC-SB-434-15/16-XXX	(360-24499-18)	09/10/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC
360-24499	OC-SB-450-33/35-XXX	(360-24499-21)	09/09/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC
360-24499	OC-SB-469-28/30-XXX	(360-24499-3)	09/09/09	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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OCR1-13.xls, Metals Pending Samples