TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

FILE COPY

ANALYTICAL REPORT

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

Job Number: 360-24417-2

SDG Number: OCRI-10A

Job Description: Olin Chemical Superfund Site

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

Attention: Mr. Steven Morrow

Approved for release.
James T Wickham
Technology Manager
10/27/2009 4:15 PM

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

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

Laboratory Name:	**TestAmerica Westfield**	Project #:	**360-24417-2**
Project Location:	**Wilmington, MA**	MADEP RTN[1]:	

This form provides certifications for the following data set:[list Laboratory Sample ID Number(s)]
360-24417-(2,5,8,12,16)

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

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

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

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

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

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

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

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

Signature: **Position:** Technical Manager

Printed Name: James Wickham **Date:** 10/27/09 15:05

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

TestAmerica THE LEADER IN ENVIRONMENTAL TESTING

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 #:	**360-24417-2**
Project Location:	**Wilmington, MA**	MADEP RTN[1]:	

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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:** 10/27/09 15:05

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

TestAmerica Westfield
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Westfield, MA 01085
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CASE NARRATIVE

Client: Olin Corporation

Project: Olin Chemical Superfund Site

Report Number: 360-24417-2

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 09/02/2009; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.2 C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 360-24417-2, 360-24417-5, 360-24417-8, 360-24417-12 and 360-24417-16 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 8270C LL. The samples were prepared on 09/11/2009 and 09/14/2009 and analyzed on 09/21/2009 and 09/22/2009.

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

For samples 360-24417-(2,5,12), Benzoic acid was detected in method blank MB 360-48854/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

For samples 360-24417-(8,16), Di-n-butyl phthalate was detected in method blank MB 360-48924/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

For samples 360-24417-(2,5,12), Aniline failed the recovery criteria low for LCS/LCSD 360-48854/2-A.

For samples 360-24417-(8,16), Aniline failed the recovery criteria low for LCS/LCSD 360-48924/2-A. Refer to the QC report for details.

General method information:

For samples 360-24417-(8,16), Bis(2-ethylhexyl) phthalate was detected in method blank MB 360-48924/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

For samples 360-24417-(2,5,12), batch 49266. ICAL 9/21/2009 Inst B: quadratic regression used for 1,2,4-Trichlorobenzene, 2,4-Dinitrophenol.

For samples 360-24417-(8,16), batch 49260. ICAL 9/21/2009 Inst J: Quadratic regression used for Benzoic acid, 2,4-Dinitrophenol.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS

Samples 360-24417-2, 360-24417-5, 360-24417-8, 360-24417-12 and 360-24417-16 were analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 09/17/2009.

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

Antimony, Magnesium and Manganese failed the recovery criteria low for the MS of sample 360-24417-2 in batch 360-49260. Aluminum, Calcium, Iron and Potassium failed the recovery criteria high. The associated laboratory control sample (LCS) met acceptance criteria.

Calcium exceeded the rpd limit for the duplicate of sample 360-24417-2.

For samples 360-24417-(2, 2DU/MS,5,8,12,16), batch 49137, Tin exceeded the CRI method criteria with 63% recovery on the low reporting limit standard. The recommend MCP control criteria is 70-130%. The data has been flagged appropriately.

General method information:

Several analytes were detected in method blank MB 360-49084/1-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: 360-24417-2
Sdg Number: OCRI-10A

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-24417-2	OC-SB-463-28/30-XXX	Solid	09/01/2009 1450	09/02/2009 1710
360-24417-5	OC-SB-464-26/28-XXX	Solid	09/01/2009 1650	09/02/2009 1710
360-24417-8	OC-SB-465-16/18-XXX	Solid	09/02/2009 0825	09/02/2009 1710
360-24417-12	OC-SB-468-31/33-XXX	Solid	09/02/2009 1100	09/02/2009 1710
360-24417-16	OC-SB-471-26/28-XXX	Solid	09/02/2009 1430	09/02/2009 1710

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24417-2	**OC-SB-463-28/30-XXX**					
Aluminum		8100		2.8	mg/Kg	6010B
Arsenic		3.0		1.1	mg/Kg	6010B
Barium		31		0.55	mg/Kg	6010B
Beryllium		0.24		0.22	mg/Kg	6010B
Cadmium		0.24		0.22	mg/Kg	6010B
Calcium		2900	B	11	mg/Kg	6010B
Chromium		16		0.55	mg/Kg	6010B
Cobalt		9.9		0.55	mg/Kg	6010B
Copper		16		1.1	mg/Kg	6010B
Iron		16000	B	5.5	mg/Kg	6010B
Lead		2.5		0.55	mg/Kg	6010B
Magnesium		6500	B	11	mg/Kg	6010B
Manganese		330		1.1	mg/Kg	6010B
Nickel		15		1.1	mg/Kg	6010B
Potassium		1700		220	mg/Kg	6010B
Selenium		0.31	J	0.55	mg/Kg	6010B
Sodium		71	J	110	mg/Kg	6010B
Thallium		0.20	J	1.1	mg/Kg	6010B
Vanadium		20		1.1	mg/Kg	6010B
Zinc		27		2.8	mg/Kg	6010B
Tin		5.0	J B ^	5.5	mg/Kg	6010B
360-24417-5	**OC-SB-464-26/28-XXX**					
Aluminum		9600		3.4	mg/Kg	6010B
Arsenic		3.2		1.4	mg/Kg	6010B
Barium		62		0.68	mg/Kg	6010B
Beryllium		0.22	J	0.27	mg/Kg	6010B
Cadmium		0.22	J	0.27	mg/Kg	6010B
Calcium		3700	B	14	mg/Kg	6010B
Chromium		53		0.68	mg/Kg	6010B
Cobalt		11		0.68	mg/Kg	6010B
Copper		50		1.4	mg/Kg	6010B
Iron		15000	B	6.8	mg/Kg	6010B
Lead		7.4		0.68	mg/Kg	6010B
Magnesium		7100	B	14	mg/Kg	6010B
Manganese		230		1.4	mg/Kg	6010B
Nickel		23		1.4	mg/Kg	6010B
Potassium		3700		270	mg/Kg	6010B
Silver		0.38	J	0.68	mg/Kg	6010B
Sodium		450		140	mg/Kg	6010B
Thallium		0.13	J	1.4	mg/Kg	6010B
Vanadium		24		1.4	mg/Kg	6010B
Zinc		28		3.4	mg/Kg	6010B
Tin		19	B ^	6.8	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24417-8	**OC-SB-465-16/18-XXX**					
Bis(2-ethylhexyl) phthalate		41		37	ug/Kg	8270C LL
Aluminum		4700		2.8	mg/Kg	6010B
Arsenic		6.6		1.1	mg/Kg	6010B
Barium		13		0.56	mg/Kg	6010B
Beryllium		0.17	J	0.23	mg/Kg	6010B
Cadmium		0.090	J	0.23	mg/Kg	6010B
Calcium		840	B	11	mg/Kg	6010B
Chromium		9.2		0.56	mg/Kg	6010B
Cobalt		2.5		0.56	mg/Kg	6010B
Copper		6.2		1.1	mg/Kg	6010B
Iron		7700	B	5.6	mg/Kg	6010B
Lead		2.9		0.56	mg/Kg	6010B
Magnesium		1700	B	11	mg/Kg	6010B
Manganese		61		1.1	mg/Kg	6010B
Nickel		6.5		1.1	mg/Kg	6010B
Potassium		870		230	mg/Kg	6010B
Sodium		47	J	110	mg/Kg	6010B
Vanadium		9.3		1.1	mg/Kg	6010B
Zinc		11		2.8	mg/Kg	6010B
Tin		2.9	J B ^	5.6	mg/Kg	6010B
360-24417-12	**OC-SB-468-31/33-XXX**					
Aluminum		5900		3.6	mg/Kg	6010B
Arsenic		3.8		1.4	mg/Kg	6010B
Barium		42		0.72	mg/Kg	6010B
Beryllium		0.15	J	0.29	mg/Kg	6010B
Cadmium		0.15	J	0.29	mg/Kg	6010B
Calcium		3200	B	14	mg/Kg	6010B
Chromium		23		0.72	mg/Kg	6010B
Cobalt		7.1		0.72	mg/Kg	6010B
Copper		14		1.4	mg/Kg	6010B
Iron		12000	B	7.2	mg/Kg	6010B
Lead		1.6		0.72	mg/Kg	6010B
Magnesium		3800	B	14	mg/Kg	6010B
Manganese		110		1.4	mg/Kg	6010B
Nickel		15		1.4	mg/Kg	6010B
Potassium		2000		290	mg/Kg	6010B
Sodium		190		140	mg/Kg	6010B
Vanadium		18		1.4	mg/Kg	6010B
Zinc		19		3.6	mg/Kg	6010B
Tin		7.9	B ^	7.2	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24417-16	**OC-SB-471-26/28-XXX**					
Bis(2-ethylhexyl) phthalate		83		36	ug/Kg	8270C LL
Naphthalene		15	J	86	ug/Kg	8270C LL
Aluminum		7800		3.0	mg/Kg	6010B
Arsenic		3.6		1.2	mg/Kg	6010B
Barium		43		0.60	mg/Kg	6010B
Beryllium		0.20	J	0.24	mg/Kg	6010B
Cadmium		0.20	J	0.24	mg/Kg	6010B
Calcium		3300	B	12	mg/Kg	6010B
Chromium		21		0.60	mg/Kg	6010B
Cobalt		9.6		0.60	mg/Kg	6010B
Copper		16		1.2	mg/Kg	6010B
Iron		16000	B	6.0	mg/Kg	6010B
Lead		1.3		0.60	mg/Kg	6010B
Magnesium		5200	B	12	mg/Kg	6010B
Manganese		150		1.2	mg/Kg	6010B
Nickel		15		1.2	mg/Kg	6010B
Potassium		2500		240	mg/Kg	6010B
Sodium		170		120	mg/Kg	6010B
Vanadium		25		1.2	mg/Kg	6010B
Zinc		23		3.0	mg/Kg	6010B
Tin		6.9	B ^	6.0	mg/Kg	6010B

METHOD SUMMARY

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

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: 360-24417-2
Sdg Number: OCRI-10A

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

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Client Sample ID: **OC-SB-463-28/30-XXX**

Lab Sample ID: 360-24417-2
Client Matrix: Solid
% Moisture: 9.2

Date Sampled: 09/01/2009 1450
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10467.D
Dilution:	1.0			Initial Weight/Volume:	30.61 g
Date Analyzed:	09/22/2009 0654			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	

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

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Client Sample ID: **OC-SB-463-28/30-XXX**

Lab Sample ID: 360-24417-2
Client Matrix: Solid
% Moisture: 9.2

Date Sampled: 09/01/2009 1450
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10467.D
Dilution:	1.0			Initial Weight/Volume:	30.61 g
Date Analyzed:	09/22/2009 0654			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		11	36
Benzyl alcohol		ND		31	72
Bis(2-chloroethoxy)methane		ND		11	36
Bis(2-chloroethyl)ether		ND		11	36
Bis(2-ethylhexyl) phthalate		ND		11	36
Butyl benzyl phthalate		ND		11	36
Caprolactam		ND		11	36
Carbazole		ND		11	36
Chrysene		ND		11	36
Dibenz(a,h)anthracene		ND		11	36
Dibenzofuran		ND		11	36
Diethyl phthalate		ND		11	36
Dimethyl phthalate		ND		11	36
Di-n-butyl phthalate		ND		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	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	52		30 - 130
2-Fluorobiphenyl	56		30 - 130
2-Fluorophenol	65		30 - 130
Nitrobenzene-d5	62		30 - 130
Phenol-d5	63		30 - 130
Terphenyl-d14	62		30 - 130

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Client Sample ID: **OC-SB-463-28/30-XXX**

Lab Sample ID: 360-24417-2
Client Matrix: Solid
% Moisture: 9.2

Date Sampled: 09/01/2009 1450
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10467.D
Dilution:	1.0			Initial Weight/Volume:	30.61 g
Date Analyzed:	09/22/2009 0654			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
128-37-0	Butylated Hydroxytoluene	10.48	31	T J N
27193-28-8	Phenol, (1,1,3,3-tetramethylbutyl)-	10.93	27	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	11.43	36	T J N
112-61-8	Octadecanoic acid, methyl ester	12.81	26	T J N
630-2-4	Octacosane	14.25	15	T J N
629-78-7	Heptadecane	15.61	57	T J N
629-92-5	Nonadecane	16.12	26	T J N
629-97-0	Docosane	16.64	20	T J N
7683-64-9	Squalene	16.78	26	T J N
629-94-7	Heneicosane	17.21	17	T J N

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Client Sample ID: **OC-SB-464-26/28-XXX**

Lab Sample ID: 360-24417-5
Client Matrix: Solid
% Moisture: 7.5

Date Sampled: 09/01/2009 1650
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10470.D
Dilution:	1.0			Initial Weight/Volume:	30.03 g
Date Analyzed:	09/22/2009 0827			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	

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

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Client Sample ID: **OC-SB-464-26/28-XXX**

Lab Sample ID: 360-24417-5
Client Matrix: Solid
% Moisture: 7.5

Date Sampled: 09/01/2009 1650
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10470.D
Dilution:	1.0			Initial Weight/Volume:	30.03 g
Date Analyzed:	09/22/2009 0827			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		11	36
Benzyl alcohol		ND		31	72
Bis(2-chloroethoxy)methane		ND		11	36
Bis(2-chloroethyl)ether		ND		11	36
Bis(2-ethylhexyl) phthalate		ND		11	36
Butyl benzyl phthalate		ND		11	36
Caprolactam		ND		11	36
Carbazole		ND		11	36
Chrysene		ND		11	36
Dibenz(a,h)anthracene		ND		11	36
Dibenzofuran		ND		11	36
Diethyl phthalate		ND		11	36
Dimethyl phthalate		ND		11	36
Di-n-butyl phthalate		ND		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	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	52		30 - 130
2-Fluorobiphenyl	55		30 - 130
2-Fluorophenol	68		30 - 130
Nitrobenzene-d5	64		30 - 130
Phenol-d5	68		30 - 130
Terphenyl-d14	56		30 - 130

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Client Sample ID: **OC-SB-464-26/28-XXX**

Lab Sample ID: 360-24417-5
Client Matrix: Solid
% Moisture: 7.5

Date Sampled: 09/01/2009 1650
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10470.D
Dilution:	1.0			Initial Weight/Volume:	30.03 g
Date Analyzed:	09/22/2009 0827			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
128-37-0	Butylated Hydroxytoluene	10.48	13	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	11.43	12	T J N
112-61-8	Octadecanoic acid, methyl ester	12.81	10	T J N
638-68-6	Triacontane	15.61	55	T J N
112-84-5	Erucylamide	16.63	190	T J N
7683-64-9	Squalene	16.78	11	T J N
112-95-8	Eicosane	17.22	13	T J N

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Client Sample ID: **OC-SB-465-16/18-XXX**

Lab Sample ID: 360-24417-8
Client Matrix: Solid
% Moisture: 9.6

Date Sampled: 09/02/2009 0825
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49260		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48924		Lab File ID:	J03059.D
Dilution:	1.0			Initial Weight/Volume:	30.21 g
Date Analyzed:	09/21/2009 2357			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	

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

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Client Sample ID: **OC-SB-465-16/18-XXX**

Lab Sample ID: 360-24417-8
Client Matrix: Solid
% Moisture: 9.6

Date Sampled: 09/02/2009 0825
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49260		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48924		Lab File ID:	J03059.D
Dilution:	1.0			Initial Weight/Volume:	30.21 g
Date Analyzed:	09/21/2009 2357			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		11	37
Benzyl alcohol		ND		31	73
Bis(2-chloroethoxy)methane		ND		11	37
Bis(2-chloroethyl)ether		ND		11	37
Bis(2-ethylhexyl) phthalate		41		11	37
Butyl benzyl phthalate		ND		11	37
Caprolactam		ND		11	37
Carbazole		ND		11	37
Chrysene		ND		11	37
Dibenz(a,h)anthracene		ND		11	37
Dibenzofuran		ND		11	37
Diethyl phthalate		ND		11	37
Dimethyl phthalate		ND		11	37
Di-n-butyl phthalate		ND		32	37
Di-n-octyl phthalate		ND		18	37
Diphenyl oxide		ND		11	37
Fluoranthene		ND		11	37
Fluorene		ND		11	37
Hexachlorobenzene		ND		11	37
Hexachlorobutadiene		ND		11	37
Hexachlorocyclopentadiene		ND		11	73
Hexachloroethane		ND		11	37
Indeno[1,2,3-cd]pyrene		ND		11	37
Isophorone		ND		11	37
Naphthalene		ND		11	88
Nitrobenzene		ND		11	37
N-Nitrosodimethylamine		ND		13	37
N-Nitrosodi-n-propylamine		ND		11	37
N-Nitrosodiphenylamine		ND		11	37
Pentachlorophenol		ND		11	37
Phenanthrene		ND		11	44
Phenol		ND		11	37
Pyrene		ND		11	37

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	68		30 - 130
2-Fluorobiphenyl	64		30 - 130
2-Fluorophenol	71		30 - 130
Nitrobenzene-d5	63		30 - 130
Phenol-d5	72		30 - 130
Terphenyl-d14	79		30 - 130

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Client Sample ID: **OC-SB-465-16/18-XXX**

Lab Sample ID: 360-24417-8
Client Matrix: Solid
% Moisture: 9.6

Date Sampled: 09/02/2009 0825
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49260		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48924		Lab File ID:	J03059.D
Dilution:	1.0			Initial Weight/Volume:	30.21 g
Date Analyzed:	09/21/2009 2357			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
10544-50-0	Cyclic octaatomic sulfur	12.00	32	T J N

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Client Sample ID: **OC-SB-468-31/33-XXX**

Lab Sample ID: 360-24417-12
Client Matrix: Solid
% Moisture: 7.4

Date Sampled: 09/02/2009 1100
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10473.D
Dilution:	1.0			Initial Weight/Volume:	30.28 g
Date Analyzed:	09/22/2009 0959			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	

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

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Client Sample ID: **OC-SB-468-31/33-XXX**

Lab Sample ID: 360-24417-12
Client Matrix: Solid
% Moisture: 7.4

Date Sampled: 09/02/2009 1100
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10473.D
Dilution:	1.0			Initial Weight/Volume:	30.28 g
Date Analyzed:	09/22/2009 0959			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	

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

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	53		30 - 130
2-Fluorobiphenyl	61		30 - 130
2-Fluorophenol	74		30 - 130
Nitrobenzene-d5	68		30 - 130
Phenol-d5	71		30 - 130
Terphenyl-d14	68		30 - 130

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Client Sample ID: **OC-SB-468-31/33-XXX**

Lab Sample ID: 360-24417-12
Client Matrix: Solid
% Moisture: 7.4

Date Sampled: 09/02/2009 1100
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10473.D
Dilution:	1.0			Initial Weight/Volume:	30.28 g
Date Analyzed:	09/22/2009 0959			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
5129-60-2	Pentadecanoic acid, 14-methyl-, methyl e	12.02	7.6	T J N
112-61-8	Octadecanoic acid, methyl ester	12.81	20	T J N
1928-30-9	Tricosane, 2-methyl-	14.25	25	T J N
638-67-5	Tricosane	14.98	33	T J N
629-97-0	Docosane	15.61	43	T J N
593-49-7	Heptacosane	16.12	48	T J N
630-2-4	Octacosane	16.64	47	T J N
7683-64-9	Squalene	16.78	19	T J N
112-95-8	Eicosane	17.22	32	T J N
112-95-8	Eicosane	18.59	14	T J N

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Client Sample ID: **OC-SB-471-26/28-XXX**

Lab Sample ID: 360-24417-16
Client Matrix: Solid
% Moisture: 8.0

Date Sampled: 09/02/2009 1430
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49260		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48924		Lab File ID:	J03064.D
Dilution:	1.0			Initial Weight/Volume:	30.38 g
Date Analyzed:	09/22/2009 0212			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			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: 360-24417-2
Sdg Number: OCRI-10A

Client Sample ID: **OC-SB-471-26/28-XXX**

Lab Sample ID: 360-24417-16
Client Matrix: Solid
% Moisture: 8.0

Date Sampled: 09/02/2009 1430
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49260		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48924		Lab File ID:	J03064.D
Dilution:	1.0			Initial Weight/Volume:	30.38 g
Date Analyzed:	09/22/2009 0212			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		11	36
Benzyl alcohol		ND		30	72
Bis(2-chloroethoxy)methane		ND		11	36
Bis(2-chloroethyl)ether		ND		11	36
Bis(2-ethylhexyl) phthalate		83		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		15	J	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	65		30 - 130
2-Fluorobiphenyl	65		30 - 130
2-Fluorophenol	72		30 - 130
Nitrobenzene-d5	65		30 - 130
Phenol-d5	75		30 - 130
Terphenyl-d14	81		30 - 130

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Client Sample ID: **OC-SB-471-26/28-XXX**

Lab Sample ID: 360-24417-16
Client Matrix: Solid % Moisture: 8.0

Date Sampled: 09/02/2009 1430
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49260		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48924		Lab File ID:	J03064.D
Dilution:	1.0			Initial Weight/Volume:	30.38 g
Date Analyzed:	09/22/2009 0212			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
141-70-8	Heptane, 2,2,6,6-tetramethyl-4-methylene	6.14	25	T J N
123-48-8	3-Heptene, 2,2,4,6,6-pentamethyl-	6.24	38	T J N
138-86-3	Limonene	6.46	8.8	T J N
7683-64-9	Squalene	14.35	180	T J N

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Client Sample ID: **OC-SB-463-28/30-XXX**

Lab Sample ID: 360-24417-2
Client Matrix: Solid
% Moisture: 9.2

Date Sampled: 09/01/2009 1450
Date Received: 09/02/2009 1710

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49137		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49084		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.99 g
Date Analyzed:	09/17/2009 1525			Final Weight/Volume:	100 mL
Date Prepared:	09/17/2009 0926				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8100		0.72	2.8
Antimony		ND		0.20	0.55
Arsenic		3.0		0.10	1.1
Barium		31		0.072	0.55
Beryllium		0.24		0.028	0.22
Cadmium		0.24		0.0077	0.22
Calcium		2900	B	2.8	11
Chromium		16		0.074	0.55
Cobalt		9.9		0.072	0.55
Copper		16		0.072	1.1
Iron		16000	B	0.88	5.5
Lead		2.5		0.063	0.55
Magnesium		6500	B	0.55	11
Manganese		330		0.074	1.1
Nickel		15		0.072	1.1
Potassium		1700		35	220
Selenium		0.31	J	0.26	0.55
Silver		ND		0.056	0.55
Sodium		71	J	14	110
Thallium		0.20	J	0.080	1.1
Vanadium		20		0.072	1.1
Zinc		27		0.65	2.8
Tin		5.0	J B ^	0.35	5.5

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Client Sample ID: **OC-SB-464-26/28-XXX**

Lab Sample ID: 360-24417-5
Client Matrix: Solid
% Moisture: 7.5

Date Sampled: 09/01/2009 1650
Date Received: 09/02/2009 1710

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49137		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49084		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.60 g
Date Analyzed:	09/17/2009 1545			Final Weight/Volume:	100 mL
Date Prepared:	09/17/2009 0926				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9600		0.88	3.4
Antimony		ND		0.24	0.68
Arsenic		3.2		0.12	1.4
Barium		62		0.088	0.68
Beryllium		0.22	J	0.034	0.27
Cadmium		0.22	J	0.0095	0.27
Calcium		3700	B	3.4	14
Chromium		53		0.090	0.68
Cobalt		11		0.088	0.68
Copper		50		0.088	1.4
Iron		15000	B	1.1	6.8
Lead		7.4		0.077	0.68
Magnesium		7100	B	0.68	14
Manganese		230		0.090	1.4
Nickel		23		0.088	1.4
Potassium		3700		42	270
Selenium		ND		0.32	0.68
Silver		0.38	J	0.068	0.68
Sodium		450		18	140
Thallium		0.13	J	0.098	1.4
Vanadium		24		0.088	1.4
Zinc		28		0.79	3.4
Tin		19	B ^	0.43	6.8

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Client Sample ID: **OC-SB-465-16/18-XXX**

Lab Sample ID: 360-24417-8
Client Matrix: Solid
% Moisture: 9.6

Date Sampled: 09/02/2009 0825
Date Received: 09/02/2009 1710

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49137		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49084		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.96 g
Date Analyzed:	09/17/2009 1548			Final Weight/Volume:	100 mL
Date Prepared:	09/17/2009 0926				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4700		0.73	2.8
Antimony		ND		0.20	0.56
Arsenic		6.6		0.10	1.1
Barium		13		0.073	0.56
Beryllium		0.17	J	0.028	0.23
Cadmium		0.090	J	0.0079	0.23
Calcium		840	B	2.8	11
Chromium		9.2		0.075	0.56
Cobalt		2.5		0.073	0.56
Copper		6.2		0.073	1.1
Iron		7700	B	0.90	5.6
Lead		2.9		0.064	0.56
Magnesium		1700	B	0.56	11
Manganese		61		0.075	1.1
Nickel		6.5		0.073	1.1
Potassium		870		35	230
Selenium		ND		0.26	0.56
Silver		ND		0.057	0.56
Sodium		47	J	15	110
Thallium		ND		0.082	1.1
Vanadium		9.3		0.073	1.1
Zinc		11		0.66	2.8
Tin		2.9	J B ^	0.36	5.6

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Client Sample ID: **OC-SB-468-31/33-XXX**

Lab Sample ID: 360-24417-12
Client Matrix: Solid
% Moisture: 7.4

Date Sampled: 09/02/2009 1100
Date Received: 09/02/2009 1710

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49137		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49084		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.51 g
Date Analyzed:	09/17/2009 1551			Final Weight/Volume:	100 mL
Date Prepared:	09/17/2009 0926				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5900		0.93	3.6
Antimony		ND		0.26	0.72
Arsenic		3.8		0.13	1.4
Barium		42		0.093	0.72
Beryllium		0.15	J	0.036	0.29
Cadmium		0.15	J	0.010	0.29
Calcium		3200	B	3.6	14
Chromium		23		0.095	0.72
Cobalt		7.1		0.093	0.72
Copper		14		0.093	1.4
Iron		12000	B	1.1	7.2
Lead		1.6		0.082	0.72
Magnesium		3800	B	0.72	14
Manganese		110		0.096	1.4
Nickel		15		0.093	1.4
Potassium		2000		45	290
Selenium		ND		0.33	0.72
Silver		ND		0.072	0.72
Sodium		190		19	140
Thallium		ND		0.10	1.4
Vanadium		18		0.093	1.4
Zinc		19		0.84	3.6
Tin		7.9	B ^	0.46	7.2

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Client Sample ID: **OC-SB-471-26/28-XXX**

Lab Sample ID: 360-24417-16
Client Matrix: Solid
% Moisture: 8.0

Date Sampled: 09/02/2009 1430
Date Received: 09/02/2009 1710

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49137		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49084		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.80 g
Date Analyzed:	09/17/2009 1553			Final Weight/Volume:	100 mL
Date Prepared:	09/17/2009 0926				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7800		0.78	3.0
Antimony		ND		0.22	0.60
Arsenic		3.6		0.11	1.2
Barium		43		0.078	0.60
Beryllium		0.20	J	0.030	0.24
Cadmium		0.20	J	0.0085	0.24
Calcium		3300	B	3.0	12
Chromium		21		0.080	0.60
Cobalt		9.6		0.078	0.60
Copper		16		0.078	1.2
Iron		16000	B	0.96	6.0
Lead		1.3		0.069	0.60
Magnesium		5200	B	0.60	12
Manganese		150		0.081	1.2
Nickel		15		0.078	1.2
Potassium		2500		38	240
Selenium		ND		0.28	0.60
Silver		ND		0.061	0.60
Sodium		170		16	120
Thallium		ND		0.087	1.2
Vanadium		25		0.078	1.2
Zinc		23		0.71	3.0
Tin		6.9	B ^	0.39	6.0

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

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
360-24417-2	OC-SB-463-28/30-XXX	65	63	62	56	52	62
360-24417-5	OC-SB-464-26/28-XXX	68	68	64	55	52	56
360-24417-8	OC-SB-465-16/18-XXX	71	72	63	64	68	79
360-24417-12	OC-SB-468-31/33-XXX	74	71	68	61	53	68
360-24417-16	OC-SB-471-26/28-XXX	72	75	65	65	65	81
MB 360-48854/1-A		89	91	83	71	71	72
MB 360-48924/1-A		88	93	78	79	78	86
LCS 360-48854/2-A		64	67	58	68	71	57
LCS 360-48924/2-A		66	70	79	78	84	82
LCSD 360-48854/3-A		62	65	57	67	70	60
LCSD 360-48924/3-A		68	71	84	79	90	86

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: 360-24417-2
Sdg Number: OCRI-10A

Method Blank - Batch: 360-48854

Method: 8270C LL
Preparation: 3546

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

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

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

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Method Blank - Batch: 360-48854

Method: 8270C LL
Preparation: 3546

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

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

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

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

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

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

Method Blank TICs- Batch: 360-48854

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

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

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

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

Method: 8270C LL
Preparation: 3546

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

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

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

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

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

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

Method: 8270C LL
Preparation: 3546

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

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

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

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

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

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

Method: 8270C LL
Preparation: 3546

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

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

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

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

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

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

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

Method: 8270C LL
Preparation: 3546

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

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

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

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

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

Method: 8270C LL
Preparation: 3546

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

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

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

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

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

Method: 8270C LL
Preparation: 3546

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

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

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

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Method Blank - Batch: 360-48924

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-48924/1-A	Analysis Batch:	360-49259	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48924	Lab File ID:	J03050.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 1953			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			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: 360-24417-2
Sdg Number: OCRI-10A

Method Blank - Batch: 360-48924

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-48924/1-A	Analysis Batch:	360-49259	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48924	Lab File ID:	J03050.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 1953			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			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	ND		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	19.4	J	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	82.2		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	78	30 - 130

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

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	79	30 - 130
2-Fluorophenol	88	30 - 130
Nitrobenzene-d5	78	30 - 130
Phenol-d5	93	30 - 130
Terphenyl-d14	86	30 - 130

Method Blank TICs- Batch: 360-48924

Cas Number	Analyte	RT	Est. Result	Qual
121-33-5	Vanillin	8.88	13.3	T J N
111-82-0	Dodecanoic acid, methyl ester	9.51	10.8	T J N
544-76-3	Hexadecane	9.88	22.6	T J N
112-95-8	Eicosane	11.61	15.9	T J N
593-45-3	Octadecane	12.36	11.0	T J N

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

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48924

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48924/2-A	Analysis Batch:	360-49259	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48924	Lab File ID:	J03051.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2020			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-48924/3-A	Analysis Batch:	360-49259	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48924	Lab File ID:	J03052.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2047			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1'-Biphenyl	88	94	40 - 140	7	30		
1,2,4,5-Tetrachlorobenzene	83	90	40 - 140	8	30		
1,2,4-Trichlorobenzene	73	81	40 - 140	10	30		
1,2-Dichlorobenzene	60	64	40 - 140	5	30		
1,3-Dichlorobenzene	60	64	40 - 140	7	30		
1,4-Dichlorobenzene	60	64	40 - 140	6	30		
1-Methylnaphthalene	82	91	40 - 140	11	30		
2,2'-oxybis[1-chloropropane]	67	70	40 - 140	5	30		
2,3,4,6-Tetrachlorophenol	81	88	40 - 140	9	30		
2,4,5-Trichlorophenol	93	100	30 - 130	7	30		
2,4,6-Trichlorophenol	92	97	30 - 130	6	30		
2,4-Dichlorophenol	88	96	30 - 130	9	30		
2,4-Dimethylphenol	94	103	30 - 130	9	30		
2,4-Dinitrophenol	68	78	30 - 130	14	30		
2,4-Dinitrotoluene	87	91	40 - 140	4	30		
2,6-Dinitrotoluene	93	98	40 - 140	5	30		
2-Chloronaphthalene	62	65	40 - 140	5	30		
2-Chlorophenol	70	74	30 - 130	5	30		
2-Methylnaphthalene	81	87	40 - 140	7	30		
2-Methylphenol	76	80	30 - 130	5	30		
2-Nitroaniline	87	85	40 - 140	3	30		
2-Nitrophenol	83	91	30 - 130	10	30		
3 & 4 Methylphenol	80	84	30 - 130	5	30		
3,3'-Dichlorobenzidine	99	112	40 - 140	13	30		
3-Nitroaniline	101	110	40 - 140	8	30		
4,6-Dinitro-2-methylphenol	81	90	30 - 130	11	30		
4-Bromophenyl phenyl ether	89	95	40 - 140	6	30		
4-Chloro-3-methylphenol	92	100	30 - 130	9	30		
4-Chloroaniline	79	88	40 - 140	11	30		
4-Chlorophenyl phenyl ether	87	93	40 - 140	7	30		
4-Nitroaniline	94	98	40 - 140	4	30		
4-Nitrophenol	94	103	30 - 130	9	30		

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

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48924

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48924/2-A	Analysis Batch:	360-49259	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48924	Lab File ID:	J03051.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2020			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-48924/3-A	Analysis Batch:	360-49259	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48924	Lab File ID:	J03052.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2047			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acenaphthene	95	102	40 - 140	7	30		
Acenaphthylene	87	93	40 - 140	6	30		
Acetophenone	76	81	40 - 140	6	30		
Aniline	31	33	40 - 140	6	30	*	*
Anthracene	110	120	40 - 140	9	30		
Atrazine	103	111	40 - 140	8	30		
Azobenzene	93	99	40 - 140	6	30		
Benzaldehyde	76	81	40 - 140	6	30		
Benzo[a]anthracene	109	122	40 - 140	11	30		
Benzo[a]pyrene	106	113	40 - 140	6	30		
Benzo[b]fluoranthene	97	105	40 - 140	9	30		
Benzo[g,h,i]perylene	115	124	40 - 140	7	30		
Benzo[k]fluoranthene	104	111	40 - 140	6	30		
Benzoic acid	34	36	30 - 130	7	30	J	J
Benzophenone	99	107	40 - 140	7	30		
Benzyl alcohol	71	76	30 - 130	7	30		
Bis(2-chloroethoxy)methane	85	93	40 - 140	10	30		
Bis(2-chloroethyl)ether	65	68	40 - 140	5	30		
Bis(2-ethylhexyl) phthalate	105	109	40 - 140	3	30		
Butyl benzyl phthalate	97	103	40 - 140	6	30		
Caprolactam	94	105	40 - 140	12	30		
Carbazole	101	110	40 - 140	9	30		
Chrysene	104	113	40 - 140	8	30		
Dibenz(a,h)anthracene	107	113	40 - 140	6	30		
Dibenzofuran	85	89	40 - 140	5	30		
Diethyl phthalate	97	103	40 - 140	5	30		
Dimethyl phthalate	91	98	40 - 140	7	30		
Di-n-butyl phthalate	119	126	40 - 140	6	30		
Di-n-octyl phthalate	95	98	40 - 140	3	30		
Diphenyl oxide	87	97	40 - 140	11	30		
Fluoranthene	104	115	40 - 140	9	30		
Fluorene	104	109	40 - 140	4	30		

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

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48924

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48924/2-A	Analysis Batch:	360-49259	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48924	Lab File ID:	J03051.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2020			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-48924/3-A	Analysis Batch:	360-49259	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48924	Lab File ID:	J03052.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2047			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Hexachlorobenzene	87	91	40 - 140	5	30		
Hexachlorobutadiene	76	82	40 - 140	8	30		
Hexachlorocyclopentadiene	70	77	40 - 140	9	30		
Hexachloroethane	64	68	40 - 140	5	30		
Indeno[1,2,3-cd]pyrene	106	115	40 - 140	8	30		
Isophorone	71	77	40 - 140	9	30		
Naphthalene	77	85	40 - 140	10	30		
Nitrobenzene	84	92	40 - 140	9	30		
N-Nitrosodimethylamine	76	81	40 - 140	7	30		
N-Nitrosodi-n-propylamine	75	80	40 - 140	7	30		
N-Nitrosodiphenylamine	69	74	40 - 140	7	30		
Pentachlorophenol	94	102	30 - 130	9	30		
Phenanthrene	94	101	40 - 140	8	30		
Phenol	73	78	30 - 130	6	30		
Pyrene	101	111	40 - 140	9	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	84	90	30 - 130
2-Fluorobiphenyl	78	79	30 - 130
2-Fluorophenol	66	68	30 - 130
Nitrobenzene-d5	79	84	30 - 130
Phenol-d5	70	71	30 - 130
Terphenyl-d14	82	86	30 - 130

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

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48924

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48924/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48924/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/21/2009 2020			Date Analyzed:	09/21/2009 2047
Date Prepared:	09/14/2009 1300			Date Prepared:	09/14/2009 1300

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
1,1'-Biphenyl	333	333	293		312	
1,2,4,5-Tetrachlorobenzene	333	333	277		301	
1,2,4-Trichlorobenzene	333	333	245		271	
1,2-Dichlorobenzene	333	333	202		212	
1,3-Dichlorobenzene	333	333	199		212	
1,4-Dichlorobenzene	333	333	201		214	
1-Methylnaphthalene	333	333	272		304	
2,2'-oxybis[1-chloropropane]	333	333	222		235	
2,3,4,6-Tetrachlorophenol	333	333	270		294	
2,4,5-Trichlorophenol	333	333	311		335	
2,4,6-Trichlorophenol	333	333	306		324	
2,4-Dichlorophenol	333	333	292		321	
2,4-Dimethylphenol	333	333	312		343	
2,4-Dinitrophenol	333	333	226		260	
2,4-Dinitrotoluene	333	333	292		304	
2,6-Dinitrotoluene	333	333	311		326	
2-Chloronaphthalene	333	333	206		216	
2-Chlorophenol	333	333	234		246	
2-Methylnaphthalene	333	333	269		289	
2-Methylphenol	333	333	254		268	
2-Nitroaniline	333	333	291		283	
2-Nitrophenol	333	333	276		304	
3 & 4 Methylphenol	333	333	267		280	
3,3'-Dichlorobenzidine	333	333	329		373	
3-Nitroaniline	333	333	336		365	
4,6-Dinitro-2-methylphenol	333	333	270		299	
4-Bromophenyl phenyl ether	333	333	297		317	
4-Chloro-3-methylphenol	333	333	306		334	
4-Chloroaniline	333	333	262		292	
4-Chlorophenyl phenyl ether	333	333	290		310	
4-Nitroaniline	333	333	313		327	
4-Nitrophenol	333	333	314		343	
Acenaphthene	333	333	317		339	
Acenaphthylene	333	333	290		309	
Acetophenone	333	333	254		271	
Aniline	333	333	103	*	109	*
Anthracene	333	333	367		401	
Atrazine	333	333	343		371	
Azobenzene	333	333	312		332	

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

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48924

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48924/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48924/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/21/2009 2020			Date Analyzed:	09/21/2009 2047
Date Prepared:	09/14/2009 1300			Date Prepared:	09/14/2009 1300

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Benzaldehyde	333	333	254		271	
Benzo[a]anthracene	333	333	363		406	
Benzo[a]pyrene	333	333	354		375	
Benzo[b]fluoranthene	333	333	322		351	
Benzo[g,h,i]perylene	333	333	385		413	
Benzo[k]fluoranthene	333	333	346		369	
Benzoic acid	333	333	113	J	121	J
Benzophenone	333	333	331		355	
Benzyl alcohol	333	333	237		253	
Bis(2-chloroethoxy)methane	333	333	282		311	
Bis(2-chloroethyl)ether	333	333	216		228	
Bis(2-ethylhexyl) phthalate	333	333	351		363	
Butyl benzyl phthalate	333	333	323		342	
Caprolactam	333	333	313		352	
Carbazole	333	333	337		367	
Chrysene	333	333	348		378	
Dibenz(a,h)anthracene	333	333	355		378	
Dibenzofuran	333	333	282		295	
Diethyl phthalate	333	333	325		342	
Dimethyl phthalate	333	333	305		326	
Di-n-butyl phthalate	333	333	397		421	
Di-n-octyl phthalate	333	333	318		328	
Diphenyl oxide	333	333	290		324	
Fluoranthene	333	333	348		382	
Fluorene	333	333	348		363	
Hexachlorobenzene	333	333	289		302	
Hexachlorobutadiene	333	333	252		273	
Hexachlorocyclopentadiene	333	333	233		256	
Hexachloroethane	333	333	215		225	
Indeno[1,2,3-cd]pyrene	333	333	354		382	
Isophorone	333	333	235		256	
Naphthalene	333	333	257		283	
Nitrobenzene	333	333	281		308	
N-Nitrosodimethylamine	333	333	253		271	
N-Nitrosodi-n-propylamine	333	333	249		268	
N-Nitrosodiphenylamine	333	333	230		247	
Pentachlorophenol	333	333	313		341	
Phenanthrene	333	333	313		338	
Phenol	333	333	245		259	

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

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48924

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48924/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48924/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/21/2009 2020			Date Analyzed:	09/21/2009 2047
Date Prepared:	09/14/2009 1300			Date Prepared:	09/14/2009 1300

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Pyrene	333	333	338	369

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

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Method Blank - Batch: 360-49084

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 360-49084/1-A	Analysis Batch:	360-49137	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch:	360-49084	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	2.0 g
Date Analyzed:	09/17/2009 1516			Final Weight/Volume:	100 mL
Date Prepared:	09/17/2009 0926				

Analyte	Result	Qual	MDL	RL
Aluminum	ND		0.65	2.5
Antimony	ND		0.18	0.50
Arsenic	ND		0.091	1.0
Barium	ND		0.065	0.50
Beryllium	ND		0.025	0.20
Cadmium	ND		0.0070	0.20
Calcium	7.00	J	2.5	10
Chromium	ND		0.066	0.50
Cobalt	ND		0.065	0.50
Copper	ND		0.065	1.0
Iron	2.27	J	0.80	5.0
Lead	ND		0.057	0.50
Magnesium	1.80	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	0.511	J	0.32	5.0

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

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49084

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCS 360-49084/2-A	Analysis Batch:	360-49137	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch:	360-49084	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	2.0 g
Date Analyzed:	09/17/2009 1519			Final Weight/Volume:	100 mL
Date Prepared:	09/17/2009 0926				

LCSD Lab Sample ID:	LCSD 360-49084/3-A	Analysis Batch:	360-49137	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch:	360-49084	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	2.0 g
Date Analyzed:	09/17/2009 1522			Final Weight/Volume:	100 mL
Date Prepared:	09/17/2009 0926				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aluminum	88	87	80 - 120	1	30		
Antimony	83	86	80 - 120	4	30		
Arsenic	88	87	80 - 120	1	30		
Barium	91	91	80 - 120	1	30		
Beryllium	89	89	80 - 120	1	30		
Cadmium	89	88	80 - 120	1	30		
Calcium	91	90	80 - 120	1	30		
Chromium	91	90	80 - 120	1	30		
Cobalt	90	89	80 - 120	1	30		
Copper	91	90	80 - 120	1	30		
Iron	91	91	80 - 120	1	30		
Lead	88	87	80 - 120	1	30		
Magnesium	87	86	80 - 120	1	30		
Manganese	91	90	80 - 120	1	30		
Nickel	89	88	80 - 120	1	30		
Potassium	88	84	80 - 120	5	30		
Selenium	88	87	80 - 120	1	30		
Silver	88	87	80 - 120	1	30		
Sodium	86	85	80 - 120	1	30		
Thallium	89	88	80 - 120	1	30		
Vanadium	91	90	80 - 120	1	30		
Zinc	88	87	80 - 120	1	30		
Tin	90	90	80 - 120	0	30		

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

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49084

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCS 360-49084/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 360-49084/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/17/2009 1519			Date Analyzed:	09/17/2009 1522
Date Prepared:	09/17/2009 0926			Date Prepared:	09/17/2009 0926

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Aluminum	250	250	220	218
Antimony	50.0	50.0	41.4	42.9
Arsenic	50.0	50.0	43.9	43.5
Barium	50.0	50.0	45.7	45.3
Beryllium	50.0	50.0	44.7	44.4
Cadmium	50.0	50.0	44.3	43.9
Calcium	1000	1000	913	904
Chromium	50.0	50.0	45.4	45.0
Cobalt	50.0	50.0	44.9	44.4
Copper	50.0	50.0	45.3	45.0
Iron	250	250	228	226
Lead	50.0	50.0	44.2	43.7
Magnesium	1000	1000	875	864
Manganese	50.0	50.0	45.3	44.8
Nickel	50.0	50.0	44.7	44.1
Potassium	1000	1000	880	836
Selenium	50.0	50.0	43.8	43.4
Silver	50.0	50.0	44.2	43.7
Sodium	1000	1000	863	852
Thallium	50.0	50.0	44.3	43.8
Vanadium	50.0	50.0	45.5	45.1
Zinc	50.0	50.0	44.2	43.7
Tin	50.0	50.0	45.2	45.0

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

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Matrix Spike - Batch: 360-49084

Method: 6010B
Preparation: 3050B

Lab Sample ID: 360-24417-2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/17/2009 1530
Date Prepared: 09/17/2009 0926

Analysis Batch: 360-49137
Prep Batch: 360-49084
Units: mg/Kg

Instrument ID: Varian 720 ES ICP
Lab File ID: N/A
Initial Weight/Volume: 2.00 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	8100		275	8930	287	75 - 125	4
Antimony	ND		55.0	21.1	38	75 - 125	F
Arsenic	3.0		55.0	50.3	86	75 - 125	
Barium	31		55.0	83.1	95	75 - 125	
Beryllium	0.24		55.0	46.7	84	75 - 125	
Cadmium	0.24		55.0	45.2	82	75 - 125	
Calcium	2900		1100	4660	161	75 - 125	F
Chromium	16		55.0	64.1	88	75 - 125	
Cobalt	9.9		55.0	55.4	83	75 - 125	
Copper	16		55.0	69.9	98	75 - 125	
Iron	16000		275	17400	325	75 - 125	4
Lead	2.5		55.0	47.1	81	75 - 125	
Magnesium	6500		1100	7230	62	75 - 125	4
Manganese	330		55.0	319	-16	75 - 125	4
Nickel	15		55.0	59.9	81	75 - 125	
Potassium	1700		1100	3310	144	75 - 125	F
Selenium	0.31	J	55.0	44.5	80	75 - 125	
Silver	ND		55.0	46.3	84	75 - 125	
Sodium	71	J	1100	1050	89	75 - 125	
Thallium	0.20	J	55.0	42.3	76	75 - 125	
Vanadium	20		55.0	71.8	94	75 - 125	
Zinc	27		55.0	70.1	79	75 - 125	
Tin	5.0	J	55.0	48.0	78	75 - 125	

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

Quality Control Results

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Duplicate - Batch: 360-49084

Method: 6010B
Preparation: 3050B

Lab Sample ID: 360-24417-2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/17/2009 1527
Date Prepared: 09/17/2009 0926

Analysis Batch: 360-49137
Prep Batch: 360-49084
Units: mg/Kg

Instrument ID: Varian 720 ES ICP
Lab File ID: N/A
Initial Weight/Volume: 1.98 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	8100		8670	6	35	
Antimony	ND		ND	NC	35	
Arsenic	3.0		3.67	21	35	
Barium	31		38.9	23	35	
Beryllium	0.24		0.275	15	35	
Cadmium	0.24		0.265	11	35	
Calcium	2900		4330	40	35	F
Chromium	16		17.7	12	35	
Cobalt	9.9		11.0	10	35	
Copper	16		21.2	28	35	
Iron	16000		17800	8	35	
Lead	2.5		2.79	10	35	
Magnesium	6500		6270	4	35	
Manganese	330		337	3	35	
Nickel	15		15.7	2	35	
Potassium	1700		2360	31	35	
Selenium	0.31	J	ND	NC	35	
Silver	ND		ND	NC	35	
Sodium	71	J	105	38	35	J
Thallium	0.20	J	0.154	25	35	J
Vanadium	20		24.7	20	35	
Zinc	27		28.0	5	35	
Tin	5.0	J	5.57	11	35	

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

DATA REPORTING QUALIFIERS

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	J	Indicates an Estimated Value for TICs
	*	LCS or LCSD exceeds the control limits
	N	Presumptive evidence of material.
	T	Result is a tentatively identified compound (TIC) and an estimated value.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Metals		
	B	Compound was found in the blank and sample.
	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: 360-24417-2
Sdg Number: OCRI-10A

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 360-48854					
LCS 360-48854/2-A	Lab Control Sample	T	Solid	3546	
LCSD 360-48854/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 360-48854/1-A	Method Blank	T	Solid	3546	
360-24417-2	OC-SB-463-28/30-XXX	T	Solid	3546	
360-24417-5	OC-SB-464-26/28-XXX	T	Solid	3546	
360-24417-12	OC-SB-468-31/33-XXX	T	Solid	3546	
Prep Batch: 360-48924					
LCS 360-48924/2-A	Lab Control Sample	T	Solid	3546	
LCSD 360-48924/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 360-48924/1-A	Method Blank	T	Solid	3546	
360-24417-8	OC-SB-465-16/18-XXX	T	Solid	3546	
360-24417-16	OC-SB-471-26/28-XXX	T	Solid	3546	
Analysis Batch:360-49259					
LCS 360-48924/2-A	Lab Control Sample	T	Solid	8270C LL	360-48924
LCSD 360-48924/3-A	Lab Control Sample Duplicate	T	Solid	8270C LL	360-48924
MB 360-48924/1-A	Method Blank	T	Solid	8270C LL	360-48924
Analysis Batch:360-49260					
360-24417-8	OC-SB-465-16/18-XXX	T	Solid	8270C LL	360-48924
360-24417-16	OC-SB-471-26/28-XXX	T	Solid	8270C LL	360-48924
Analysis Batch:360-49265					
LCS 360-48854/2-A	Lab Control Sample	T	Solid	8270C LL	360-48854
LCSD 360-48854/3-A	Lab Control Sample Duplicate	T	Solid	8270C LL	360-48854
MB 360-48854/1-A	Method Blank	T	Solid	8270C LL	360-48854
Analysis Batch:360-49266					
360-24417-2	OC-SB-463-28/30-XXX	T	Solid	8270C LL	360-48854
360-24417-5	OC-SB-464-26/28-XXX	T	Solid	8270C LL	360-48854
360-24417-12	OC-SB-468-31/33-XXX	T	Solid	8270C LL	360-48854

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-24417-2
Sdg Number: OCRI-10A

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 360-49084					
LCS 360-49084/2-A	Lab Control Sample	T	Solid	3050B	
LCSD 360-49084/3-A	Lab Control Sample Duplicate	T	Solid	3050B	
MB 360-49084/1-A	Method Blank	T	Solid	3050B	
360-24417-2	OC-SB-463-28/30-XXX	T	Solid	3050B	
360-24417-2DU	Duplicate	T	Solid	3050B	
360-24417-2MS	Matrix Spike	T	Solid	3050B	
360-24417-5	OC-SB-464-26/28-XXX	T	Solid	3050B	
360-24417-8	OC-SB-465-16/18-XXX	T	Solid	3050B	
360-24417-12	OC-SB-468-31/33-XXX	T	Solid	3050B	
360-24417-16	OC-SB-471-26/28-XXX	T	Solid	3050B	
Analysis Batch:360-49137					
LCS 360-49084/2-A	Lab Control Sample	T	Solid	6010B	360-49084
LCSD 360-49084/3-A	Lab Control Sample Duplicate	T	Solid	6010B	360-49084
MB 360-49084/1-A	Method Blank	T	Solid	6010B	360-49084
360-24417-2	OC-SB-463-28/30-XXX	T	Solid	6010B	360-49084
360-24417-2DU	Duplicate	T	Solid	6010B	360-49084
360-24417-2MS	Matrix Spike	T	Solid	6010B	360-49084
360-24417-5	OC-SB-464-26/28-XXX	T	Solid	6010B	360-49084
360-24417-8	OC-SB-465-16/18-XXX	T	Solid	6010B	360-49084
360-24417-12	OC-SB-468-31/33-XXX	T	Solid	6010B	360-49084
360-24417-16	OC-SB-471-26/28-XXX	T	Solid	6010B	360-49084

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-24417-2
SDG: OCRI-10A

Laboratory Chronicle

Lab ID: 360-24417-2 **Client ID:** OC-SB-463-28/30-XXX

Sample Date/Time: 09/01/2009 14:50 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24417-A-2-G		360-49266	360-48854	09/11/2009 11:42	1	TAL WFD	BRB
A:8270C LL	360-24417-A-2-G		360-49266	360-48854	09/22/2009 06:54	1	TAL WFD	PJS
P:3050B	360-24417-A-2-D		360-49137	360-49084	09/17/2009 09:26	1	TAL WFD	TFB
A:6010B	360-24417-A-2-D		360-49137	360-49084	09/17/2009 15:25	1	TAL WFD	EMN

Lab ID: 360-24417-2 MS **Client ID:** OC-SB-463-28/30-XXX

Sample Date/Time: 09/01/2009 14:50 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	360-24417-A-2-F MS		360-49137	360-49084	09/17/2009 09:26	1	TAL WFD	TFB
A:6010B	360-24417-A-2-F MS		360-49137	360-49084	09/17/2009 15:30	1	TAL WFD	EMN

Lab ID: 360-24417-2 DU **Client ID:** OC-SB-463-28/30-XXX

Sample Date/Time: 09/01/2009 14:50 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	360-24417-A-2-E DU		360-49137	360-49084	09/17/2009 09:26	1	TAL WFD	TFB
A:6010B	360-24417-A-2-E DU		360-49137	360-49084	09/17/2009 15:27	1	TAL WFD	EMN

Lab ID: 360-24417-5 **Client ID:** OC-SB-464-26/28-XXX

Sample Date/Time: 09/01/2009 16:50 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24417-A-5-D		360-49266	360-48854	09/11/2009 11:42	1	TAL WFD	BRB
A:8270C LL	360-24417-A-5-D		360-49266	360-48854	09/22/2009 08:27	1	TAL WFD	PJS
P:3050B	360-24417-A-5-C		360-49137	360-49084	09/17/2009 09:26	1	TAL WFD	TFB
A:6010B	360-24417-A-5-C		360-49137	360-49084	09/17/2009 15:45	1	TAL WFD	EMN

Lab ID: 360-24417-8 **Client ID:** OC-SB-465-16/18-XXX

Sample Date/Time: 09/02/2009 08:25 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24417-A-8-F		360-49260	360-48924	09/14/2009 13:00	1	TAL WFD	BRB
A:8270C LL	360-24417-A-8-F		360-49260	360-48924	09/21/2009 23:57	1	TAL WFD	PJS
P:3050B	360-24417-A-8-E		360-49137	360-49084	09/17/2009 09:26	1	TAL WFD	TFB
A:6010B	360-24417-A-8-E		360-49137	360-49084	09/17/2009 15:48	1	TAL WFD	EMN

Client: Olin Corporation

Job Number: 360-24417-2
SDG: OCRI-10A

Laboratory Chronicle

Lab ID: **360-24417-12** **Client ID:** **OC-SB-468-31/33-XXX**

Sample Date/Time: 09/02/2009 11:00 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24417-A-12-F		360-49266	360-48854	09/11/2009 11:42	1	TAL WFD	BRB
A:8270C LL	360-24417-A-12-F		360-49266	360-48854	09/22/2009 09:59	1	TAL WFD	PJS
P:3050B	360-24417-A-12-E		360-49137	360-49084	09/17/2009 09:26	1	TAL WFD	TFB
A:6010B	360-24417-A-12-E		360-49137	360-49084	09/17/2009 15:51	1	TAL WFD	EMN

Lab ID: **360-24417-16** **Client ID:** **OC-SB-471-26/28-XXX**

Sample Date/Time: 09/02/2009 14:30 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24417-A-16-D		360-49260	360-48924	09/14/2009 13:00	1	TAL WFD	BRB
A:8270C LL	360-24417-A-16-D		360-49260	360-48924	09/22/2009 02:12	1	TAL WFD	PJS
P:3050B	360-24417-A-16-C		360-49137	360-49084	09/17/2009 09:26	1	TAL WFD	TFB
A:6010B	360-24417-A-16-C		360-49137	360-49084	09/17/2009 15:53	1	TAL WFD	EMN

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	MB 360-48924/1-A		360-49259	360-48924	09/14/2009 13:00	1	TAL WFD	BRB
A:8270C LL	MB 360-48924/1-A		360-49259	360-48924	09/21/2009 19:53	1	TAL WFD	PJS
P:3546	MB 360-48854/1-A		360-49265	360-48854	09/11/2009 11:42	1	TAL WFD	BRB
A:8270C LL	MB 360-48854/1-A		360-49265	360-48854	09/21/2009 20:33	1	TAL WFD	PJS
P:3050B	MB 360-49084/1-A		360-49137	360-49084	09/17/2009 09:26	1	TAL WFD	TFB
A:6010B	MB 360-49084/1-A		360-49137	360-49084	09/17/2009 15:16	1	TAL WFD	EMN

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	LCS 360-48924/2-A		360-49259	360-48924	09/14/2009 13:00	1	TAL WFD	BRB
A:8270C LL	LCS 360-48924/2-A		360-49259	360-48924	09/21/2009 20:20	1	TAL WFD	PJS
P:3546	LCS 360-48854/2-A		360-49265	360-48854	09/11/2009 11:42	1	TAL WFD	BRB
A:8270C LL	LCS 360-48854/2-A		360-49265	360-48854	09/21/2009 21:05	1	TAL WFD	PJS
P:3050B	LCS 360-49084/2-A		360-49137	360-49084	09/17/2009 09:26	1	TAL WFD	TFB
A:6010B	LCS 360-49084/2-A		360-49137	360-49084	09/17/2009 15:19	1	TAL WFD	EMN

Client: Olin Corporation

Job Number: 360-24417-2
SDG: OCRI-10A

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	LCSD 360-48924/3-A		360-49259	360-48924	09/14/2009 13:00	1	TAL WFD	BRB
A:8270C LL	LCSD 360-48924/3-A		360-49259	360-48924	09/21/2009 20:47	1	TAL WFD	PJS
P:3546	LCSD 360-48854/3-A		360-49265	360-48854	09/11/2009 11:42	1	TAL WFD	BRB
A:8270C LL	LCSD 360-48854/3-A		360-49265	360-48854	09/21/2009 21:36	1	TAL WFD	PJS
P:3050B	LCSD 360-49084/3-A		360-49137	360-49084	09/17/2009 09:26	1	TAL WFD	TFB
A:6010B	LCSD 360-49084/3-A		360-49137	360-49084	09/17/2009 15:22	1	TAL WFD	EMN

Lab References:
TAL WFD = TestAmerica Westfield

Method 8270C Low Level

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

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

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-463-28/30-XXX	360-24417-2	65	63	62	56	52	62
OC-SB-464-26/28-XXX	360-24417-5	68	68	64	55	52	56
OC-SB-465-16/18-XXX	360-24417-8	71	72	63	64	68	79
OC-SB-468-31/33-XXX	360-24417-12	74	71	68	61	53	68
OC-SB-471-26/28-XXX	360-24417-16	72	75	65	65	65	81
	MB 360-48854/1-A	89	91	83	71	71	72
	MB 360-48924/1-A	88	93	78	79	78	86
	LCS 360-48854/2-A	64	67	58	68	71	57
	LCS 360-48924/2-A	66	70	79	78	84	82
	LCSD 360-48854/3-A	62	65	57	67	70	60
	LCSD 360-48924/3-A	68	71	84	79	90	86

	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.: 360-24417-2

SDG No.: OCRI-10A

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

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

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

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

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

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

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

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

Matrix: Solid Level: Low Lab File ID: J03051.D

Lab ID: LCS 360-48924/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	333	293	88	40-140	
1,2,4,5-Tetrachlorobenzene	333	277	83	40-140	
1,2,4-Trichlorobenzene	333	245	73	40-140	
1,2-Dichlorobenzene	333	202	60	40-140	
1,3-Dichlorobenzene	333	199	60	40-140	
1,4-Dichlorobenzene	333	201	60	40-140	
1-Methylnaphthalene	333	272	82	40-140	
2,2'-oxybis[1-chloropropane]	333	222	67	40-140	
2,3,4,6-Tetrachlorophenol	333	270	81	40-140	
2,4,5-Trichlorophenol	333	311	93	30-130	
2,4,6-Trichlorophenol	333	306	92	30-130	
2,4-Dichlorophenol	333	292	88	30-130	
2,4-Dimethylphenol	333	312	94	30-130	
2,4-Dinitrophenol	333	226	68	30-130	
2,4-Dinitrotoluene	333	292	87	40-140	
2,6-Dinitrotoluene	333	311	93	40-140	
2-Chloronaphthalene	333	206	62	40-140	
2-Chlorophenol	333	234	70	30-130	
2-Methylnaphthalene	333	269	81	40-140	
2-Methylphenol	333	254	76	30-130	
2-Nitroaniline	333	291	87	40-140	
2-Nitrophenol	333	276	83	30-130	
3 & 4 Methylphenol	333	267	80	30-130	
3,3'-Dichlorobenzidine	333	329	99	40-140	
3-Nitroaniline	333	336	101	40-140	
4,6-Dinitro-2-methylphenol	333	270	81	30-130	
4-Bromophenyl phenyl ether	333	297	89	40-140	
4-Chloro-3-methylphenol	333	306	92	30-130	
4-Chloroaniline	333	262	79	40-140	
4-Chlorophenyl phenyl ether	333	290	87	40-140	
4-Nitroaniline	333	313	94	40-140	
4-Nitrophenol	333	314	94	30-130	
Acenaphthene	333	317	95	40-140	
Acenaphthylene	333	290	87	40-140	
Acetophenone	333	254	76	40-140	
Aniline	333	103	31	40-140	*
Anthracene	333	367	110	40-140	
Atrazine	333	343	103	40-140	
Azobenzene	333	312	93	40-140	
Benzaldehyde	333	254	76	40-140	
Benzo[a]anthracene	333	363	109	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.: 360-24417-2

SDG No.: OCRI-10A

Matrix: Solid Level: Low Lab File ID: J03051.D

Lab ID: LCS 360-48924/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Benzo[a]pyrene	333	354	106	40-140	
Benzo[b]fluoranthene	333	322	97	40-140	
Benzo[g,h,i]perylene	333	385	115	40-140	
Benzo[k]fluoranthene	333	346	104	40-140	
Benzoic acid	333	113 J	34	30-130	
Benzophenone	333	331	99	40-140	
Benzyl alcohol	333	237	71	30-130	
Bis(2-chloroethoxy)methane	333	282	85	40-140	
Bis(2-chloroethyl)ether	333	216	65	40-140	
Bis(2-ethylhexyl) phthalate	333	351	105	40-140	
Butyl benzyl phthalate	333	323	97	40-140	
Caprolactam	333	313	94	40-140	
Carbazole	333	337	101	40-140	
Chrysene	333	348	104	40-140	
Dibenz(a,h)anthracene	333	355	107	40-140	
Dibenzofuran	333	282	85	40-140	
Diethyl phthalate	333	325	97	40-140	
Dimethyl phthalate	333	305	91	40-140	
Di-n-butyl phthalate	333	397	119	40-140	
Di-n-octyl phthalate	333	318	95	40-140	
Diphenyl oxide	333	290	87	40-140	
Fluoranthene	333	348	104	40-140	
Fluorene	333	348	104	40-140	
Hexachlorobenzene	333	289	87	40-140	
Hexachlorobutadiene	333	252	76	40-140	
Hexachlorocyclopentadiene	333	233	70	40-140	
Hexachloroethane	333	215	64	40-140	
Indeno[1,2,3-cd]pyrene	333	354	106	40-140	
Isophorone	333	235	71	40-140	
Naphthalene	333	257	77	40-140	
Nitrobenzene	333	281	84	40-140	
N-Nitrosodimethylamine	333	253	76	40-140	
N-Nitrosodi-n-propylamine	333	249	75	40-140	
N-Nitrosodiphenylamine	333	230	69	40-140	
Pentachlorophenol	333	313	94	30-130	
Phenanthrene	333	313	94	40-140	
Phenol	333	245	73	30-130	
Pyrene	333	338	101	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.: 360-24417-2

SDG No.: OCRI-10A

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

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

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

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

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

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

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

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

Matrix: Solid Level: Low Lab File ID: J03052.D

Lab ID: LCSD 360-48924/3-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	312	94	7	30	40-140	
1,2,4,5-Tetrachlorobenzene	333	301	90	8	30	40-140	
1,2,4-Trichlorobenzene	333	271	81	10	30	40-140	
1,2-Dichlorobenzene	333	212	64	5	30	40-140	
1,3-Dichlorobenzene	333	212	64	7	30	40-140	
1,4-Dichlorobenzene	333	214	64	6	30	40-140	
1-Methylnaphthalene	333	304	91	11	30	40-140	
2,2'-oxybis[1-chloropropane]	333	235	70	5	30	40-140	
2,3,4,6-Tetrachlorophenol	333	294	88	9	30	40-140	
2,4,5-Trichlorophenol	333	335	100	7	30	30-130	
2,4,6-Trichlorophenol	333	324	97	6	30	30-130	
2,4-Dichlorophenol	333	321	96	9	30	30-130	
2,4-Dimethylphenol	333	343	103	9	30	30-130	
2,4-Dinitrophenol	333	260	78	14	30	30-130	
2,4-Dinitrotoluene	333	304	91	4	30	40-140	
2,6-Dinitrotoluene	333	326	98	5	30	40-140	
2-Chloronaphthalene	333	216	65	5	30	40-140	
2-Chlorophenol	333	246	74	5	30	30-130	
2-Methylnaphthalene	333	289	87	7	30	40-140	
2-Methylphenol	333	268	80	5	30	30-130	
2-Nitroaniline	333	283	85	3	30	40-140	
2-Nitrophenol	333	304	91	10	30	30-130	
3 & 4 Methylphenol	333	280	84	5	30	30-130	
3,3'-Dichlorobenzidine	333	373	112	13	30	40-140	
3-Nitroaniline	333	365	110	8	30	40-140	
4,6-Dinitro-2-methylphenol	333	299	90	11	30	30-130	
4-Bromophenyl phenyl ether	333	317	95	6	30	40-140	
4-Chloro-3-methylphenol	333	334	100	9	30	30-130	
4-Chloroaniline	333	292	88	11	30	40-140	
4-Chlorophenyl phenyl ether	333	310	93	7	30	40-140	
4-Nitroaniline	333	327	98	4	30	40-140	
4-Nitrophenol	333	343	103	9	30	30-130	
Acenaphthene	333	339	102	7	30	40-140	
Acenaphthylene	333	309	93	6	30	40-140	
Acetophenone	333	271	81	6	30	40-140	
Aniline	333	109	33	6	30	40-140	*
Anthracene	333	401	120	9	30	40-140	
Atrazine	333	371	111	8	30	40-140	
Azobenzene	333	332	99	6	30	40-140	
Benzaldehyde	333	271	81	6	30	40-140	
Benzo[a]anthracene	333	406	122	11	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.: 360-24417-2

SDG No.: OCRI-10A

Matrix: Solid Level: Low Lab File ID: J03052.D

Lab ID: LCSD 360-48924/3-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	375	113	6	30	40-140	
Benzo[b]fluoranthene	333	351	105	9	30	40-140	
Benzo[g,h,i]perylene	333	413	124	7	30	40-140	
Benzo[k]fluoranthene	333	369	111	6	30	40-140	
Benzoic acid	333	121 J	36	7	30	30-130	
Benzophenone	333	355	107	7	30	40-140	
Benzyl alcohol	333	253	76	7	30	30-130	
Bis(2-chloroethoxy)methane	333	311	93	10	30	40-140	
Bis(2-chloroethyl)ether	333	228	68	5	30	40-140	
Bis(2-ethylhexyl) phthalate	333	363	109	3	30	40-140	
Butyl benzyl phthalate	333	342	103	6	30	40-140	
Caprolactam	333	352	105	12	30	40-140	
Carbazole	333	367	110	9	30	40-140	
Chrysene	333	378	113	8	30	40-140	
Dibenz(a,h)anthracene	333	378	113	6	30	40-140	
Dibenzofuran	333	295	89	5	30	40-140	
Diethyl phthalate	333	342	103	5	30	40-140	
Dimethyl phthalate	333	326	98	7	30	40-140	
Di-n-butyl phthalate	333	421	126	6	30	40-140	
Di-n-octyl phthalate	333	328	98	3	30	40-140	
Diphenyl oxide	333	324	97	11	30	40-140	
Fluoranthene	333	382	115	9	30	40-140	
Fluorene	333	363	109	4	30	40-140	
Hexachlorobenzene	333	302	91	5	30	40-140	
Hexachlorobutadiene	333	273	82	8	30	40-140	
Hexachlorocyclopentadiene	333	256	77	9	30	40-140	
Hexachloroethane	333	225	68	5	30	40-140	
Indeno[1,2,3-cd]pyrene	333	382	115	8	30	40-140	
Isophorone	333	256	77	9	30	40-140	
Naphthalene	333	283	85	10	30	40-140	
Nitrobenzene	333	308	92	9	30	40-140	
N-Nitrosodimethylamine	333	271	81	7	30	40-140	
N-Nitrosodi-n-propylamine	333	268	80	7	30	40-140	
N-Nitrosodiphenylamine	333	247	74	7	30	40-140	
Pentachlorophenol	333	341	102	9	30	30-130	
Phenanthrene	333	338	101	8	30	40-140	
Phenol	333	259	78	6	30	30-130	
Pyrene	333	369	111	9	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.: 360-24417-2

SDG No.: OCRI-10A

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

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

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

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-48854/2-A	B10450.D	09/21/2009 21:05
	LCSD 360-48854/3-A	B10451.D	09/21/2009 21:36
OC-SB-463-28/30-XXX	360-24417-2	B10467.D	09/22/2009 06:54
OC-SB-464-26/28-XXX	360-24417-5	B10470.D	09/22/2009 08:27
OC-SB-468-31/33-XXX	360-24417-12	B10473.D	09/22/2009 09:59

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

Lab File ID: J03050.D Lab Sample ID: MB 360-48924/1-A

Matrix: Solid Date Extracted: 09/14/2009 13:00

Instrument ID: Inst. J Date Analyzed: 09/21/2009 19:53

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-48924/2-A	J03051.D	09/21/2009 20:20
	LCSD 360-48924/3-A	J03052.D	09/21/2009 20:47
OC-SB-465-16/18-XXX	360-24417-8	J03059.D	09/21/2009 23:57
OC-SB-471-26/28-XXX	360-24417-16	J03064.D	09/22/2009 02:12

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

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

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

Analysis Batch No.: 49265

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	37.4	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	37.0	
70	Less than 2.0 % of mass 69	0.2	(0.7)1
127	40.0 - 60.0 % of mass 198	49.6	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.3	
275	10.0 - 30.0 % of mass 198	28.6	
365	Greater than 1.0 % of mass 198	3.6	
441	Present but less than mass 443	16.3	
442	Greater than 40.0 % of mass 198	97.1	
443	17.0 - 23.0 % of mass 442	19.4	(20.0)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD01 360-49265/3	B10440.D	09/21/2009	15:55
	STD025 360-49265/4	B10441.D	09/21/2009	16:25
	STD05 360-49265/5	B10442.D	09/21/2009	16:56
	STD1 360-49265/6	B10443.D	09/21/2009	17:27
	STD25 360-49265/7	B10444.D	09/21/2009	17:58
	STD8 360-49265/8	B10445.D	09/21/2009	18:29
	STD10 360-49265/9	B10446.D	09/21/2009	19:00
	STD20 360-49265/10	B10447.D	09/21/2009	19:31
	MB 360-48854/1-A	B10449.D	09/21/2009	20:33
	LCS 360-48854/2-A	B10450.D	09/21/2009	21:05
	LCSD 360-48854/3-A	B10451.D	09/21/2009	21:36

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

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

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

Analysis Batch No.: 49266

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	40.6	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	38.3	
70	Less than 2.0 % of mass 69	0.1	(0.4)1
127	40.0 - 60.0 % of mass 198	50.8	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.3	
275	10.0 - 30.0 % of mass 198	28.5	
365	Greater than 1.0 % of mass 198	3.5	
441	Present but less than mass 443	14.3	
442	Greater than 40.0 % of mass 198	83.9	
443	17.0 - 23.0 % of mass 442	17.5	(20.9)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 360-49266/16	B10453.D	09/21/2009	22:38
OC-SB-463-28/30-XXX	360-24417-2	B10467.D	09/22/2009	06:54
OC-SB-464-26/28-XXX	360-24417-5	B10470.D	09/22/2009	08:27
OC-SB-468-31/33-XXX	360-24417-12	B10473.D	09/22/2009	09:59

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

Lab File ID: J03039.D DFTPP Injection Date: 09/21/2009

Instrument ID: Inst. J DFTPP Injection Time: 14:57

Analysis Batch No.: 49259

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	35.0	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	40.0	
70	Less than 2.0 % of mass 69	0.2	(0.6)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	6.9	
275	10.0 - 30.0 % of mass 198	29.4	
365	Greater than 1.0 % of mass 198	3.9	
441	Present but less than mass 443	11.0	
442	Greater than 40.0 % of mass 198	74.1	
443	17.0 - 23.0 % of mass 442	14.0	(19.0)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 360-49259/2	J03040.D	09/21/2009	15:23
	STD01 360-49259/3	J03041.D	09/21/2009	15:50
	STD025 360-49259/4	J03042.D	09/21/2009	16:17
	STD05 360-49259/5	J03043.D	09/21/2009	16:44
	STD1 360-49259/6	J03044.D	09/21/2009	17:11
	STD25 360-49259/7	J03045.D	09/21/2009	17:39
	STD8 360-49259/8	J03046.D	09/21/2009	18:06
	STD10 360-49259/9	J03047.D	09/21/2009	18:33
	STD20 360-49259/10	J03048.D	09/21/2009	18:59
	MB 360-48924/1-A	J03050.D	09/21/2009	19:53
	LCS 360-48924/2-A	J03051.D	09/21/2009	20:20
	LCSD 360-48924/3-A	J03052.D	09/21/2009	20:47

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

Lab File ID: J03053.D DFTPP Injection Date: 09/21/2009

Instrument ID: Inst. J DFTPP Injection Time: 21:14

Analysis Batch No.: 49260

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	34.5	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	38.9	
70	Less than 2.0 % of mass 69	0.1	(0.2)1
127	40.0 - 60.0 % of mass 198	50.1	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.8	
275	10.0 - 30.0 % of mass 198	29.8	
365	Greater than 1.0 % of mass 198	4.2	
441	Present but less than mass 443	12.2	
442	Greater than 40.0 % of mass 198	81.9	
443	17.0 - 23.0 % of mass 442	15.5	(18.9)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 360-49260/16	J03054.D	09/21/2009	21:41
OC-SB-465-16/18-XXX	360-24417-8	J03059.D	09/21/2009	23:57
OC-SB-471-26/28-XXX	360-24417-16	J03064.D	09/22/2009	02:12

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

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

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

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

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		638341	7.90	1600370	9.03	616436	10.53
UPPER LIMIT		1276682	8.40	3200740	9.53	1232872	11.03
LOWER LIMIT		319171	7.40	800185	8.53	308218	10.03
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24417-2	OC-SB-463-28/30-XXX	452429	7.90	1078550	9.03	556506	10.54
360-24417-5	OC-SB-464-26/28-XXX	531773	7.90	1276997	9.03	666556	10.53
360-24417-12	OC-SB-468-31/33-XXX	426886	7.90	1029180	9.03	519614	10.54

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.: 360-24417-2

SDG No.: OCRI-10A

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

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

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

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		1029860	11.80	673112	15.40	402663	17.84
UPPER LIMIT		2059720	12.30	1346224	15.90	805326	18.34
LOWER LIMIT		514930	11.30	336556	14.90	201332	17.34
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24417-2	OC-SB-463-28/30-XXX	952443	11.80	542213	15.40	331057	17.85
360-24417-5	OC-SB-464-26/28-XXX	1127984	11.80	744594	15.40	512239	17.85
360-24417-12	OC-SB-468-31/33-XXX	876437	11.80	497012	15.40	295828	17.85

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.: 360-24417-2

SDG No.: OCRI-10A

Sample No.: CCV 360-49260/16 Date Analyzed: 09/21/2009 21:41

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

Lab File ID (Standard): J03054.D Heated Purge: (Y/N) N

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		83372	6.30	174508	7.64	86226	9.37
UPPER LIMIT		166744	6.80	349016	8.14	172452	9.87
LOWER LIMIT		41686	5.80	87254	7.14	43113	8.87
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24417-8	OC-SB-465-16/18-XXX	81836	6.30	205068	7.64	98713	9.37
360-24417-16	OC-SB-471-26/28-XXX	79628	6.30	195809	7.64	96057	9.37

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.: 360-24417-2

SDG No.: OCRI-10A

Sample No.: CCV 360-49260/16 Date Analyzed: 09/21/2009 21:41

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

Lab File ID (Standard): J03054.D Heated Purge: (Y/N) N

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		135967	10.81	86128	13.37	56168	14.71
UPPER LIMIT		271934	11.31	172256	13.87	112336	15.21
LOWER LIMIT		67984	10.31	43064	12.87	28084	14.21
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24417-8	OC-SB-465-16/18-XXX	153410	10.81	99142	13.37	77357	14.71
360-24417-16	OC-SB-471-26/28-XXX	153946	10.81	95286	13.37	73572	14.71

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.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: OC-SB-463-28/30-XXX | Lab Sample ID: 360-24417-2

Matrix: Solid | Lab File ID: B10467.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 14:50

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

Sample wt/vol: 30.61(g) | Date Analyzed: 09/22/2009 06:54

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

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

% Moisture: 9.2 | GPC Cleanup:(Y/N) N

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

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: OC-SB-463-28/30-XXX | Lab Sample ID: 360-24417-2

Matrix: Solid | Lab File ID: B10467.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 14:50

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

Sample wt/vol: 30.61(g) | Date Analyzed: 09/22/2009 06:54

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

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

% Moisture: 9.2 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		36	11
62-53-3	Aniline	ND	*	36	11
120-12-7	Anthracene	ND		36	11
1912-24-9	Atrazine	ND		36	11
103-33-3	Azobenzene	ND		36	11
100-52-7	Benzaldehyde	ND		36	11
56-55-3	Benzo[a]anthracene	ND		36	11
50-32-8	Benzo[a]pyrene	ND		36	11
205-99-2	Benzo[b]fluoranthene	ND		36	11
191-24-2	Benzo[g,h,i]perylene	ND		36	11
207-08-9	Benzo[k]fluoranthene	ND		36	11
65-85-0	Benzoic acid	ND		180	16
119-61-9	Benzophenone	ND		36	11
100-51-6	Benzyl alcohol	ND		72	31
111-91-1	Bis(2-chloroethoxy)methane	ND		36	11
111-44-4	Bis(2-chloroethyl)ether	ND		36	11
117-81-7	Bis(2-ethylhexyl) phthalate	ND		36	11
85-68-7	Butyl benzyl phthalate	ND		36	11
105-60-2	Caprolactam	ND		36	11
86-74-8	Carbazole	ND		36	11
218-01-9	Chrysene	ND		36	11
53-70-3	Dibenz(a,h)anthracene	ND		36	11
132-64-9	Dibenzofuran	ND		36	11
84-66-2	Diethyl phthalate	ND		36	11
131-11-3	Dimethyl phthalate	ND		36	11
84-74-2	Di-n-butyl phthalate	ND		36	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.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: OC-SB-463-28/30-XXX | Lab Sample ID: 360-24417-2

Matrix: Solid | Lab File ID: B10467.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 14:50

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

Sample wt/vol: 30.61(g) | Date Analyzed: 09/22/2009 06:54

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

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

% Moisture: 9.2 | GPC Cleanup:(Y/N) N

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

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

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	52	30-130	
321-60-8	2-Fluorobiphenyl	56	30-130	
367-12-4	2-Fluorophenol	65	30-130	
4165-60-0	Nitrobenzene-d5	62	30-130	
4165-62-2	Phenol-d5	63	30-130	
1718-51-0	Terphenyl-d14	62	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: OC-SB-463-28/30-XXX | Lab Sample ID: 360-24417-2

Matrix: Solid | Lab File ID: B10467.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 14:50

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

Sample wt/vol: 30.61(g) | Date Analyzed: 09/22/2009 06:54

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

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

% Moisture: 9.2 | GPC Cleanup:(Y/N) N

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

Number TICs Found: 10 | TIC Result Total: 281

CAS NO.	COMPOUND NAME	RT	RESULT	Q
128-37-0	Butylated Hydroxytoluene	10.48	31	T J N
27193-28-8	Phenol, (1,1,3,3-tetramethylbutyl)-	10.93	27	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	11.43	36	T J N
112-61-8	Octadecanoic acid, methyl ester	12.81	26	T J N
630-2-4	Octacosane	14.25	15	T J N
629-78-7	Heptadecane	15.61	57	T J N
629-92-5	Nonadecane	16.12	26	T J N
629-97-0	Docosane	16.64	20	T J N
7683-64-9	Squalene	16.78	26	T J N
629-94-7	Heneicosane	17.21	17	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10467.D		
Lims ID:	360-24417-A-2-A	Client ID:	OC-SB-463-28/30-XXX
Inject. Date:	22-Sep-2009 06:54:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-2-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	30
Lims Batch ID:	49266	Lims Sample ID:	30
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	23-Sep-2009 13:03:54	Calib Date:	21-Sep-2009 19:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 13:03:54

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.902	7.900	0.002	452429	2.00	
* 2 Naphthalene-d8	136	9.032	9.030	0.002	1078550	2.00	
* 3 Acenaphthene-d10	164	10.537	10.535	0.002	556506	2.00	
* 4 Phenanthrene-d10	188	11.802	11.800	0.002	952443	2.00	
* 5 Chrysene-d12	240	15.403	15.397	0.006	542213	2.00	
* 6 Perylene-d12	264	17.851	17.840	0.011	331057	2.00	
$ 7 2-Fluorophenol	112	6.666	6.630	0.036	831934	6.53	
$ 8 Phenol-d5	99	7.536	7.520	0.016	928971	6.34	
$ 9 Nitrobenzene-d5	82	8.392	8.390	0.002	427269	3.09	
$ 10 2-Fluorobiphenyl	172	9.926	9.924	0.002	1021631	2.78	
$ 11 2,4,6-Tribromophenol	330	11.205	11.204	0.001	181554	5.24	
$ 12 Terphenyl-d14	244	13.427	13.425	0.002	796935	3.09	
30 Acetophenone	105	8.248	8.246	0.002	24141	0.1379	
46 2-Methylnaphthalene	142	9.638	9.636	0.002	3099	0.0113	
47 1-Methylnaphthalene	142	9.724	9.727	-0.003	3313	0.0124	
52 1,1'-Biphenyl	154	10.022	10.021	0.001	3289	0.008425	7
54 Phenyl ether	170	10.099	10.102	-0.003	20363	0.1169	
66 Diethyl phthalate	149	10.826	10.824	0.002	4335	0.0123	
80 Phenanthrene	178	11.826	11.824	0.002	10851	0.0220	
84 Di-n-butyl phthalate	149	12.206	12.204	0.002	61123	0.1052	
92 Bis(2-ethylhexyl) phthalate	149	15.283	15.281	0.002	44352	0.2269	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10467.D		
Lims ID:	360-24417-A-2-A	Client ID:	OC-SB-463-28/30-XXX
Inject. Date:	22-Sep-2009 06:54:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-2-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	30
Lims Batch ID:	49266	Lims Sample ID:	30
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	23-Sep-2009 13:03:54	Calib Date:	21-Sep-2009 19:31:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 13:03:54

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	9.027	2596	0.0231	
1,2-Diphenylhydrazine	11.066	6106	0.0108	
Benzidine	13.105	422	0.1938	
Pentachloronitrobenzene	11.638	52	0.0840	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
98-83-9 .alpha.-Methylstyrene						
7.637	393705	0.4070	1	95	120636	
128-37-0 Butylated Hydroxytoluene						
10.479	1062510	0.8686	3	98	84224	
27193-28-8 Phenol, (1,1,3,3-tetramethylbutyl)-						
10.931	907629	0.7420	3	96	61171	
3910-35-8 1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3						
11.431	1281583	1.01	4	97	126944	
1000111-58-0 2,4-Diphenyl-4-methyl-1(E)-pentene						
11.730	467350	0.3683	4	90	53202	
5129-60-2 Pentadecanoic acid, 14-methyl-, methyl e						
12.028	409533	0.3227	4	97	28400	
112-61-8 Octadecanoic acid, methyl ester						
12.807	902653	0.7113	4	96	28371	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
630-2-4	Octacosane					
14.254	311022	0.4148	5	99	112312	
629-78-7	Heptadecane					
15.610	1187958	1.58	5	90	112321	
629-92-5	Nonadecane					
16.120	531952	0.7094	5	98	112576	
629-97-0	Docosane					
16.639	339826	0.5572	6	95	109660	
7683-64-9	Squalene					
16.779	433044	0.7100	6	91	114263	
629-94-7	Heneicosane					
17.212	284294	0.4661	6	93	17094	

Quantitation Compounds

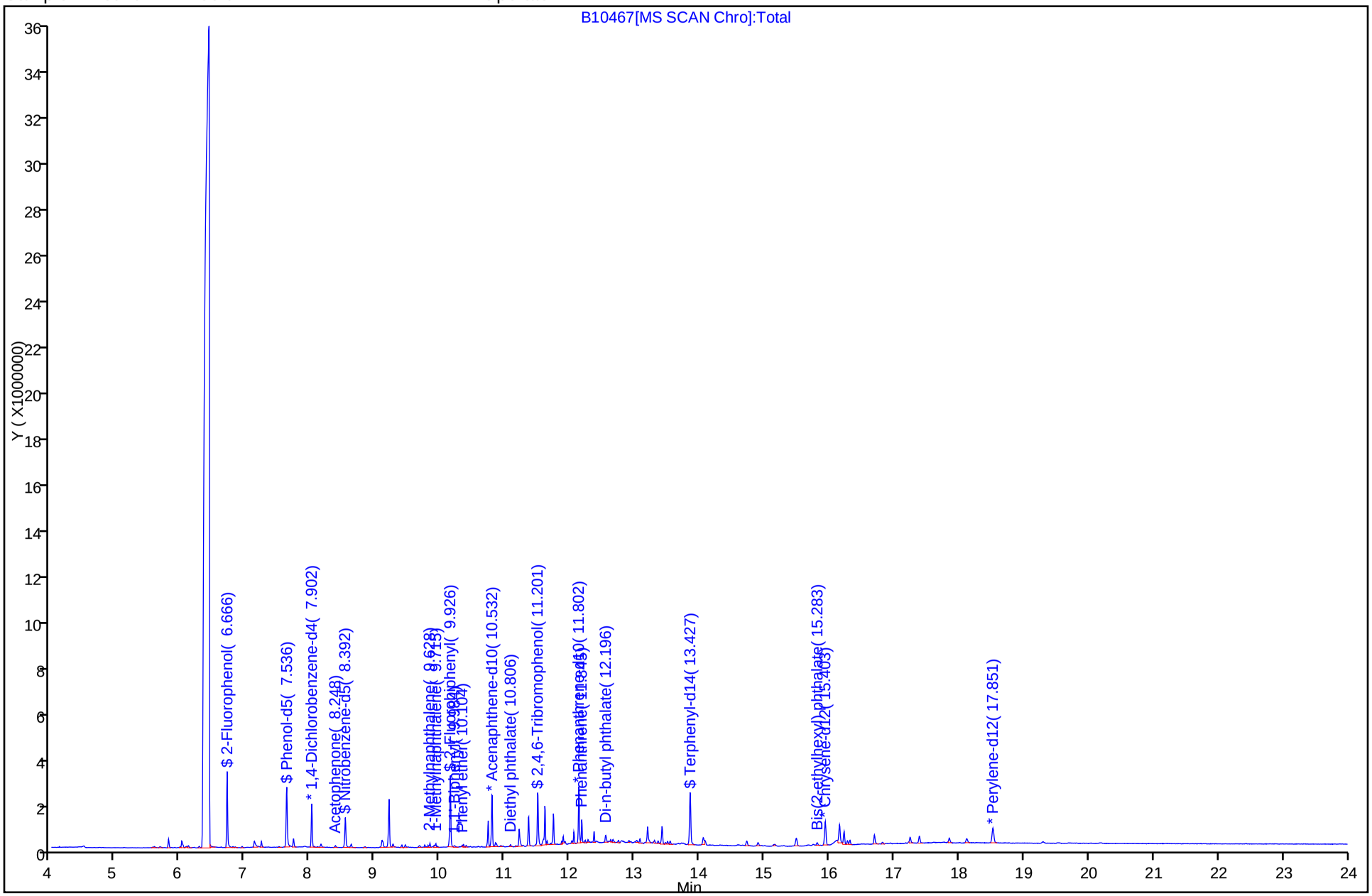
Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	7.902	1934547	2.00
* 3 Acenaphthene-d10	10.532	2446494	2.00
* 4 Phenanthrene-d10	11.802	2537885	2.00
* 5 Chrysene-d12	15.403	1499730	2.00
* 6 Perylene-d12	17.851	1219815	2.00

QC Flag Legend

Processing Flags

Report Date: 23-Sep-2009 13:03:54 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10467.D		
Inj Date:	22-Sep-2009 06:54:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	30
Client ID:	OC-SB-463-28/30-XXX	Instrument:	Inst. B
Sample Info:	360-24417-a-2-a		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 23-Sep-2009 13:03:57 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10467.D

Inj Date: 22-Sep-2009 06:54:30 Limit Group: SMS - 8270LL SVOA Calibration

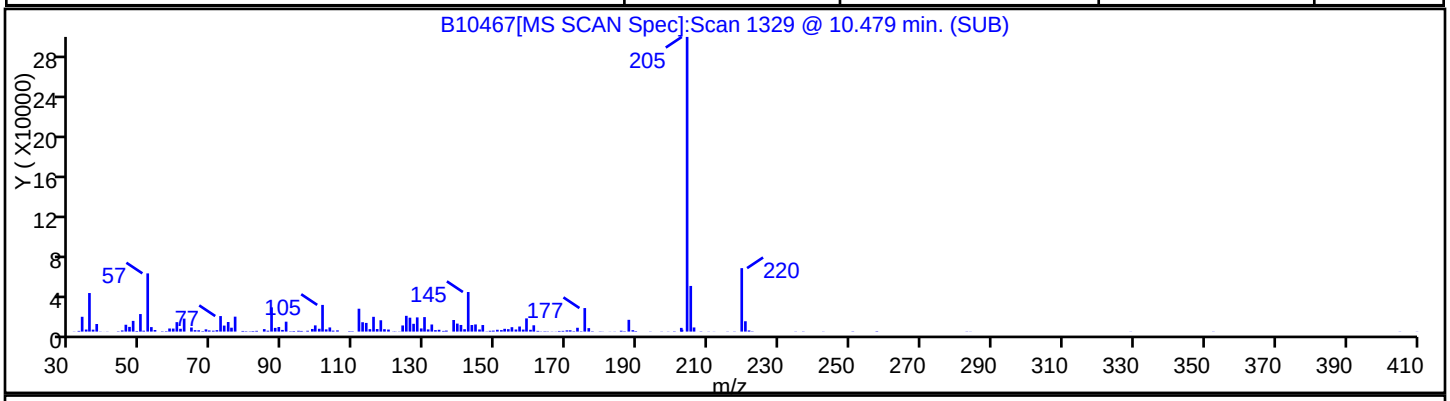
Lims Batch ID: 49266 Lims Sample ID: 30

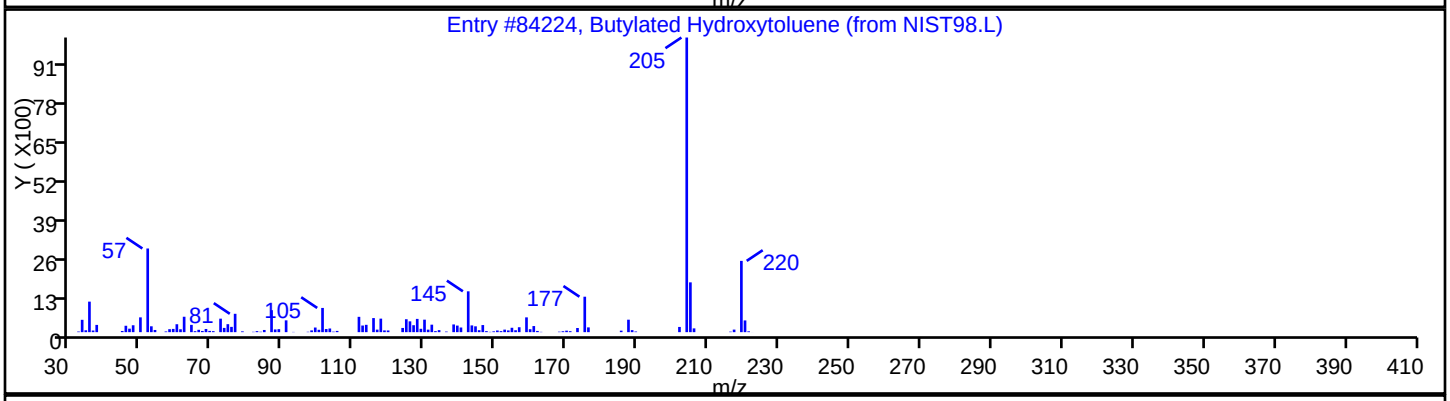
Client ID: OC-SB-463-28/30-XXX Instrument: Inst. B

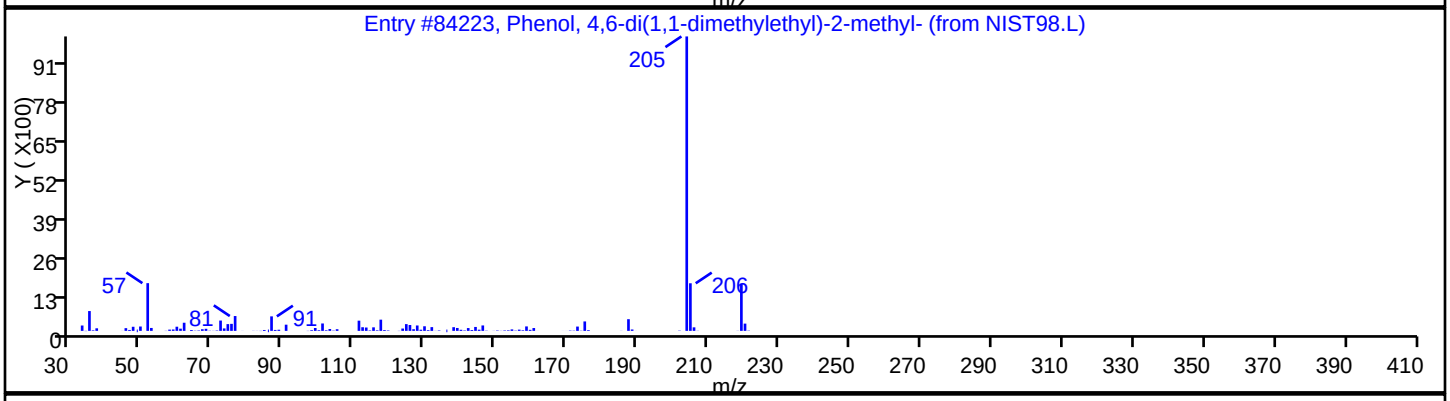
Sample Info: 360-24417-a-2-a

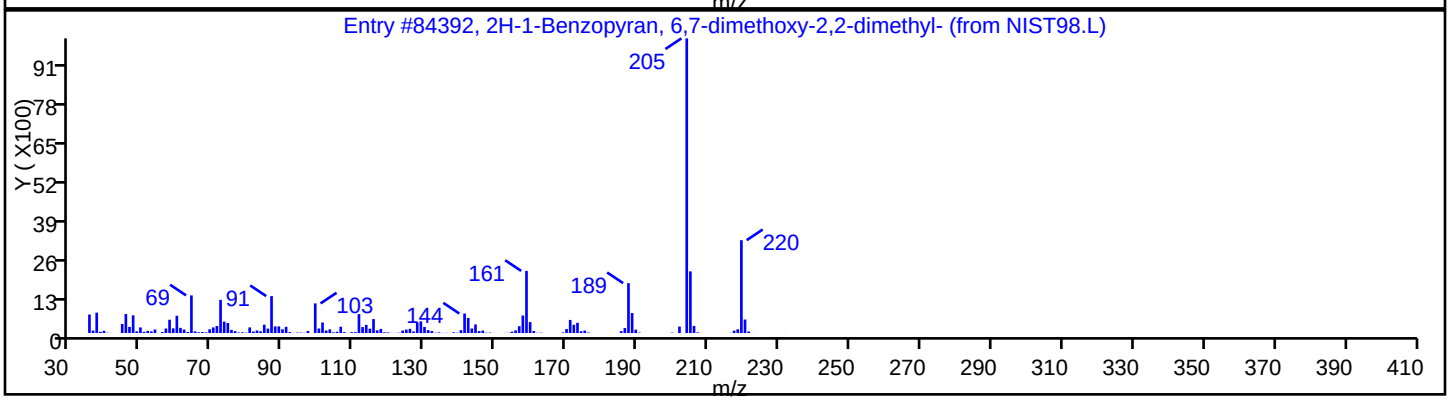
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Butylated Hydroxytoluene	128-37-0	NIST98.L	84224	98
Phenol, 4,6-di(1,1-dimethylethyl)-2-meth	616-55-7	NIST98.L	84223	87
2H-1-Benzopyran, 6,7-dimethoxy-2,2-dimet	644-6-4	NIST98.L	84392	64









Report Date: 23-Sep-2009 13:03:57 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10467.D

Inj Date: 22-Sep-2009 06:54:30 Limit Group: SMS - 8270LL SVOA Calibration

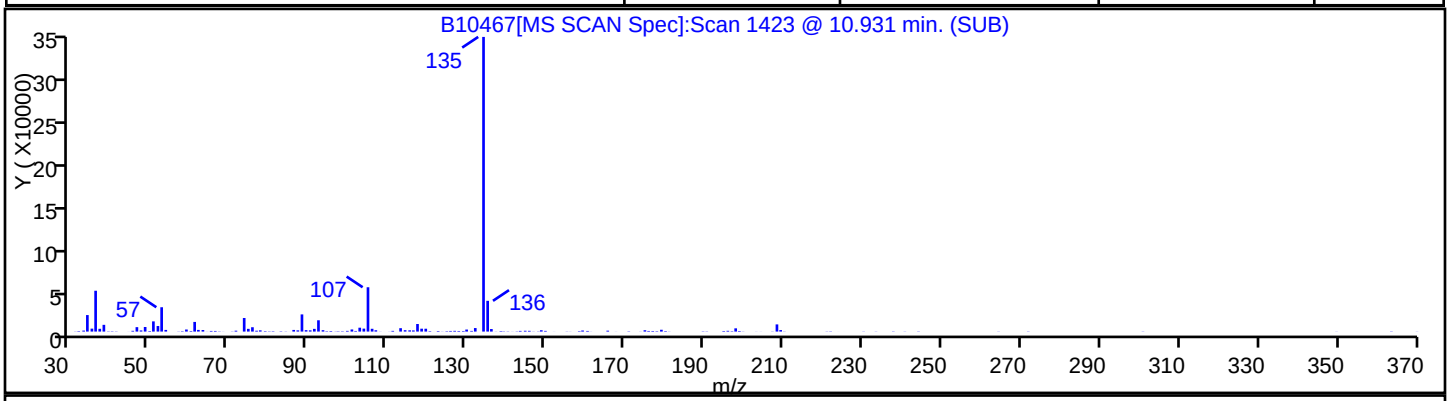
Lims Batch ID: 49266 Lims Sample ID: 30

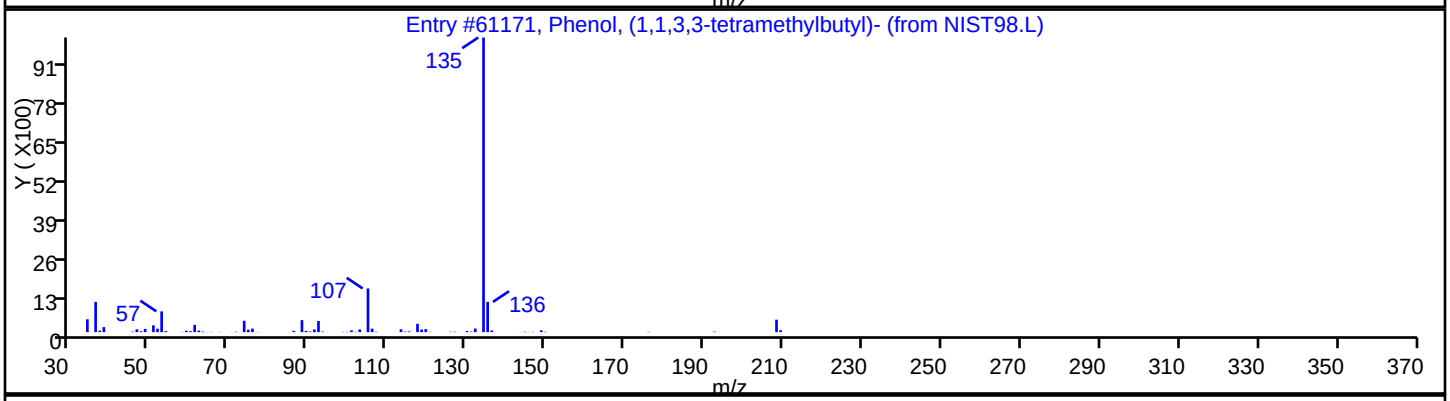
Client ID: OC-SB-463-28/30-XXX Instrument: Inst. B

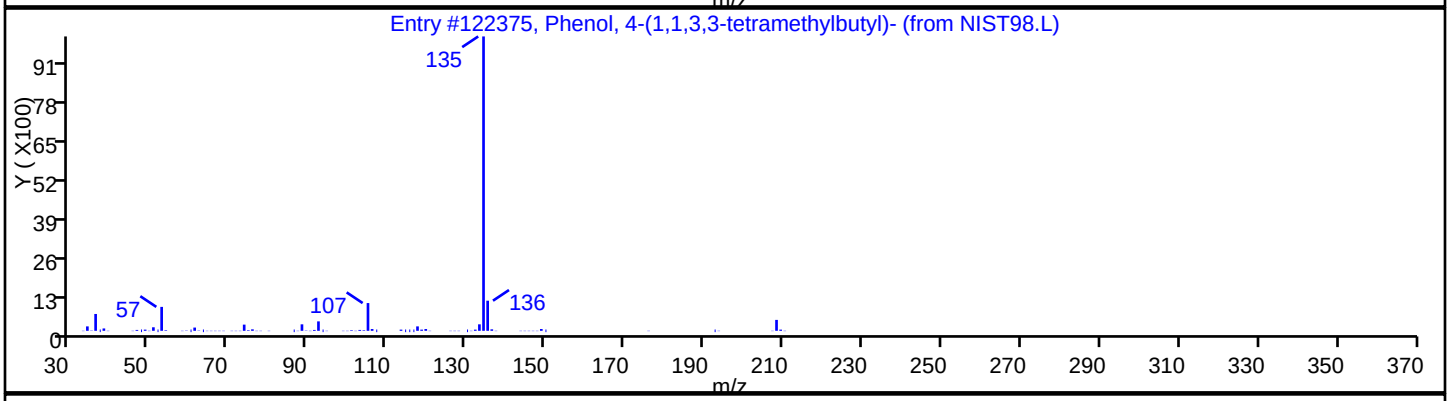
Sample Info: 360-24417-a-2-a

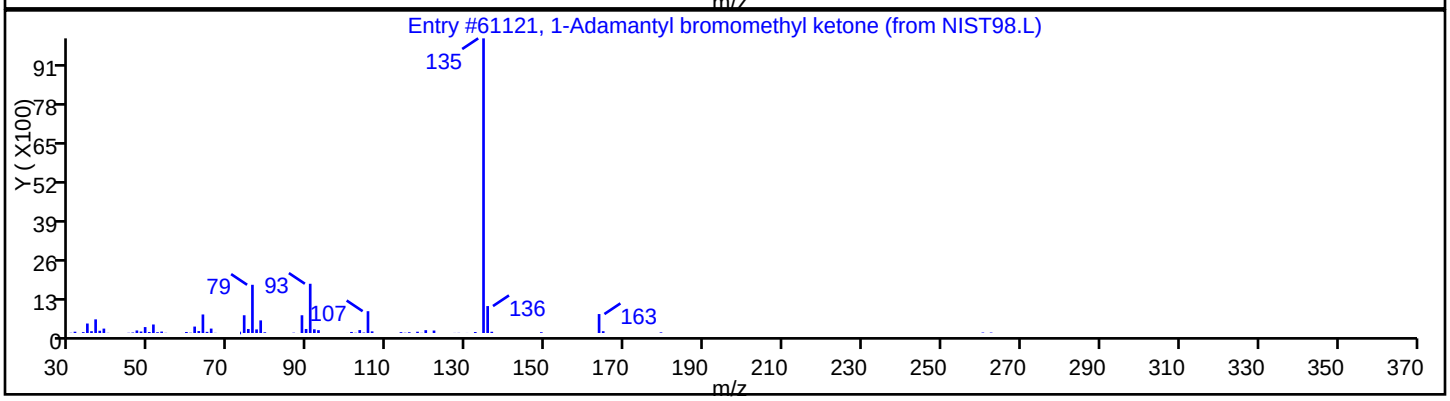
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Phenol, (1,1,3,3-tetramethylbutyl)-	27193-28-8	NIST98.L	61171	96
Phenol, 4-(1,1,3,3-tetramethylbutyl)-	140-66-9	NIST98.L	122375	87
1-Adamantyl bromomethyl ketone	5122-82-7	NIST98.L	61121	64





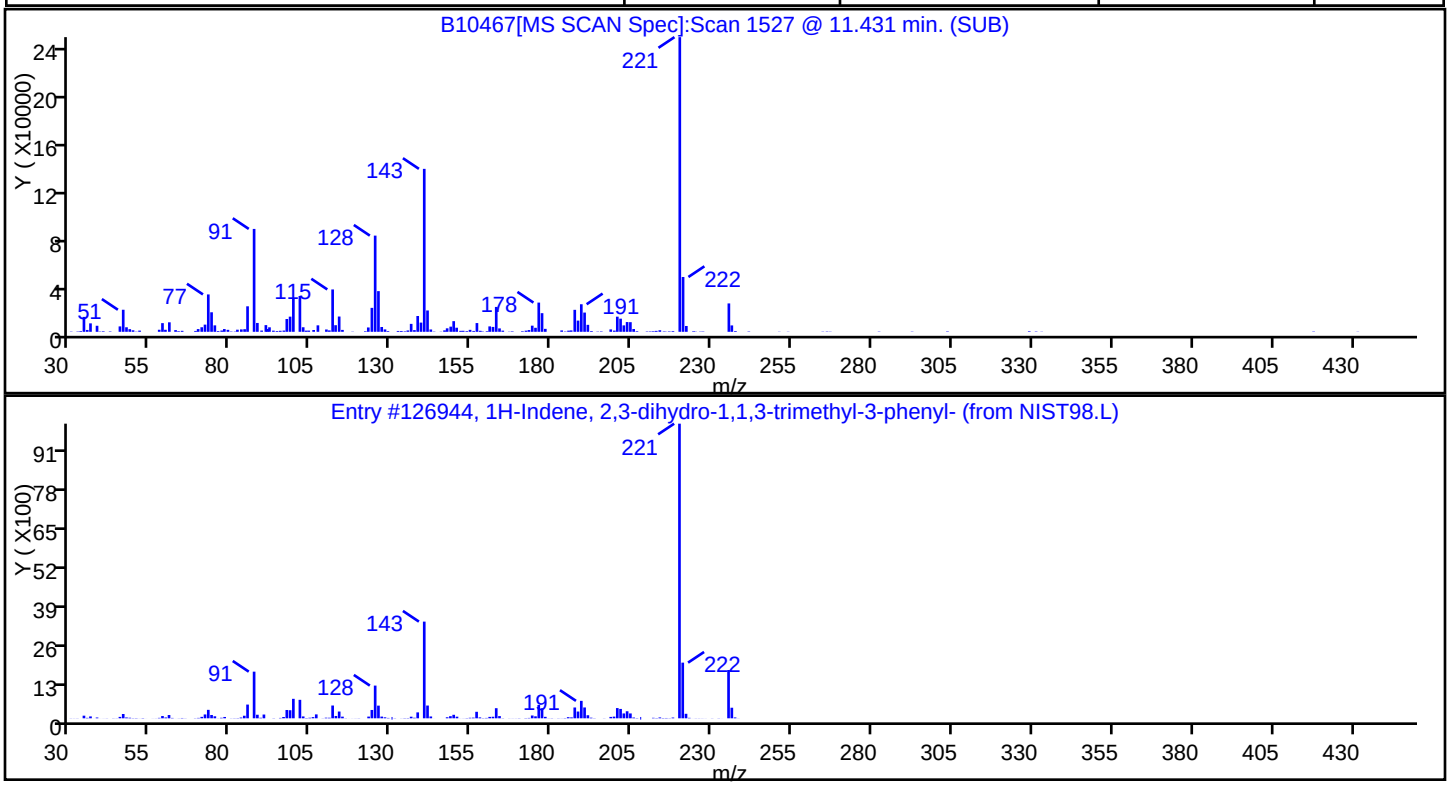




Report Date: 23-Sep-2009 13:03:57 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10467.D		
Inj Date:	22-Sep-2009 06:54:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	30
Client ID:	OC-SB-463-28/30-XXX	Instrument:	Inst. B
Sample Info:	360-24417-a-2-a		
Sample Amount:	1.00 ul	Operator:	MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	3910-35-8	NIST98.L	126944	97



Report Date: 23-Sep-2009 13:03:57 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10467.D

Inj Date: 22-Sep-2009 06:54:30 Limit Group: SMS - 8270LL SVOA Calibration

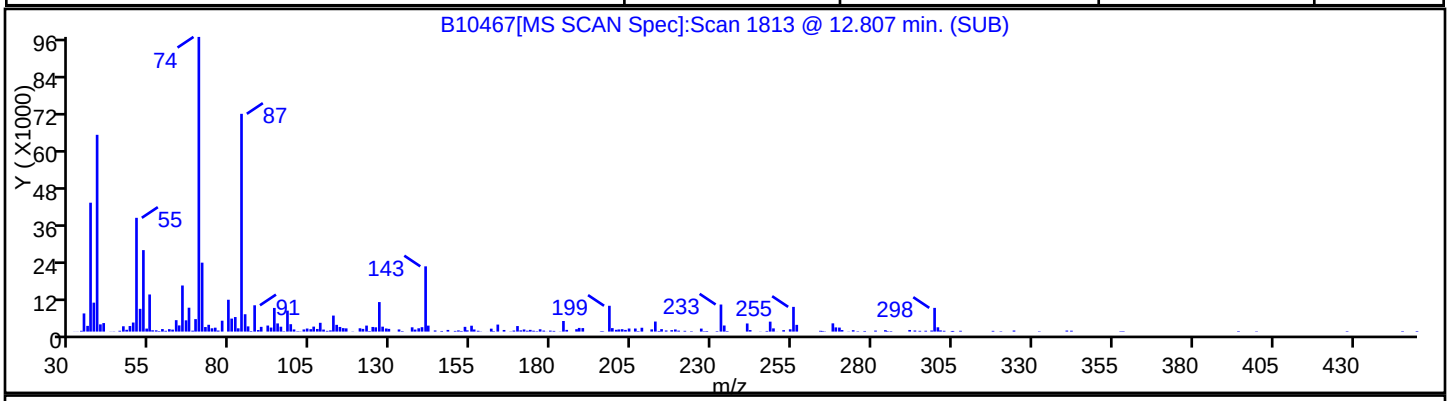
Lims Batch ID: 49266 Lims Sample ID: 30

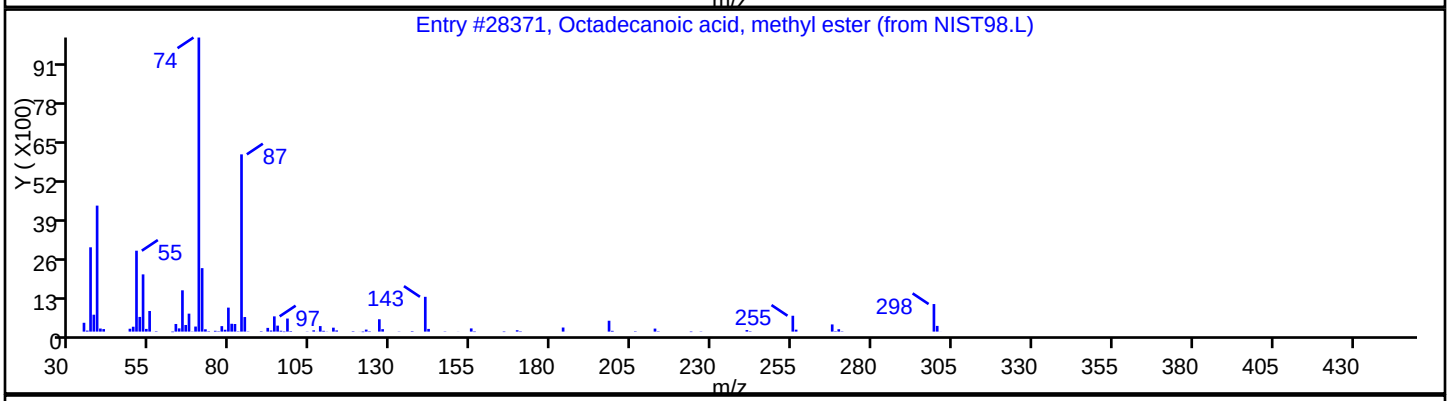
Client ID: OC-SB-463-28/30-XXX Instrument: Inst. B

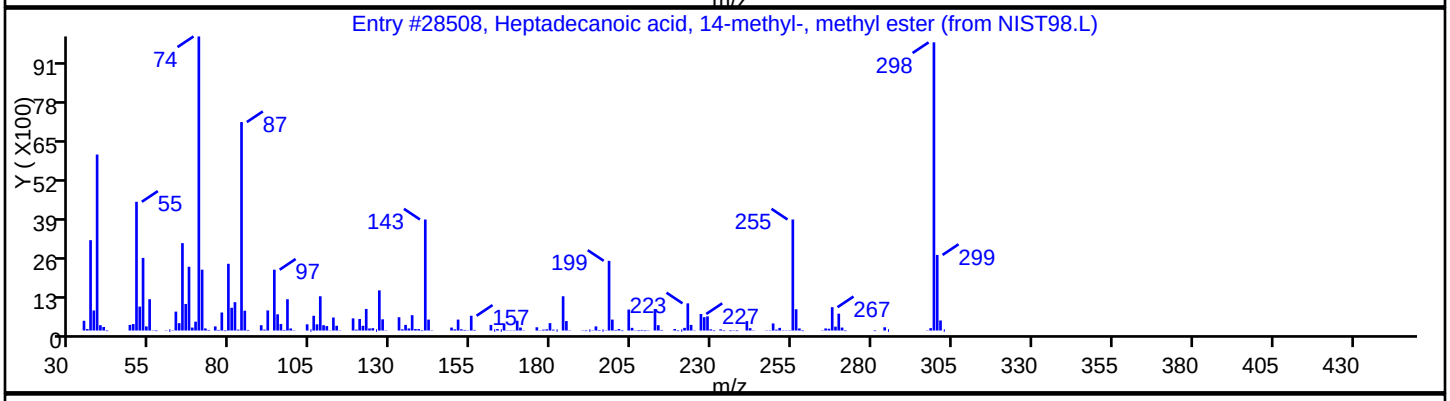
Sample Info: 360-24417-a-2-a

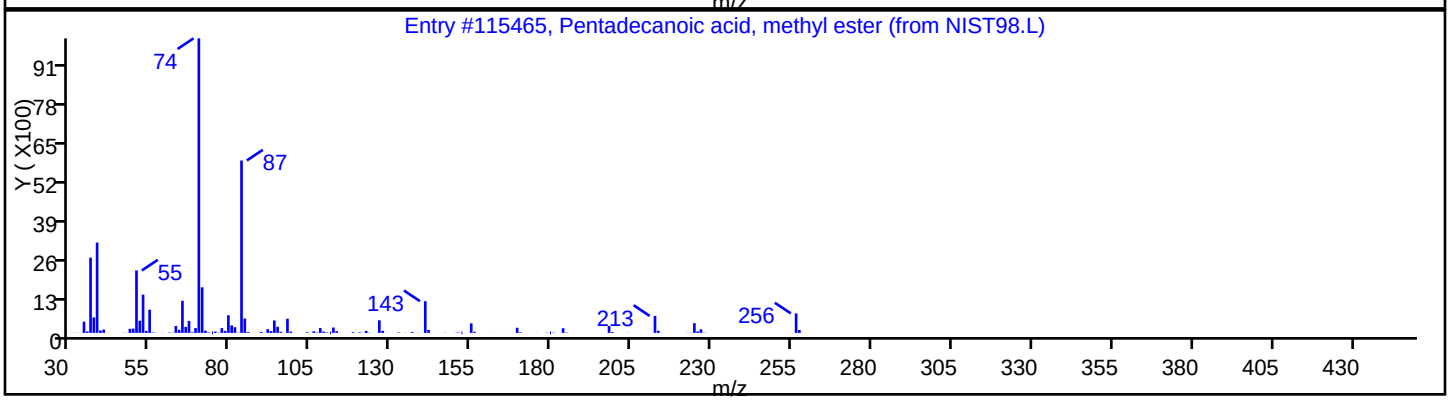
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecanoic acid, methyl ester	112-61-8	NIST98.L	28371	96
Heptadecanoic acid, 14-methyl-, methyl e	2490-23-5	NIST98.L	28508	91
Pentadecanoic acid, methyl ester	7132-64-1	NIST98.L	115465	90









Report Date: 23-Sep-2009 13:03:57 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10467.D

Inj Date: 22-Sep-2009 06:54:30 Limit Group: SMS - 8270LL SVOA Calibration

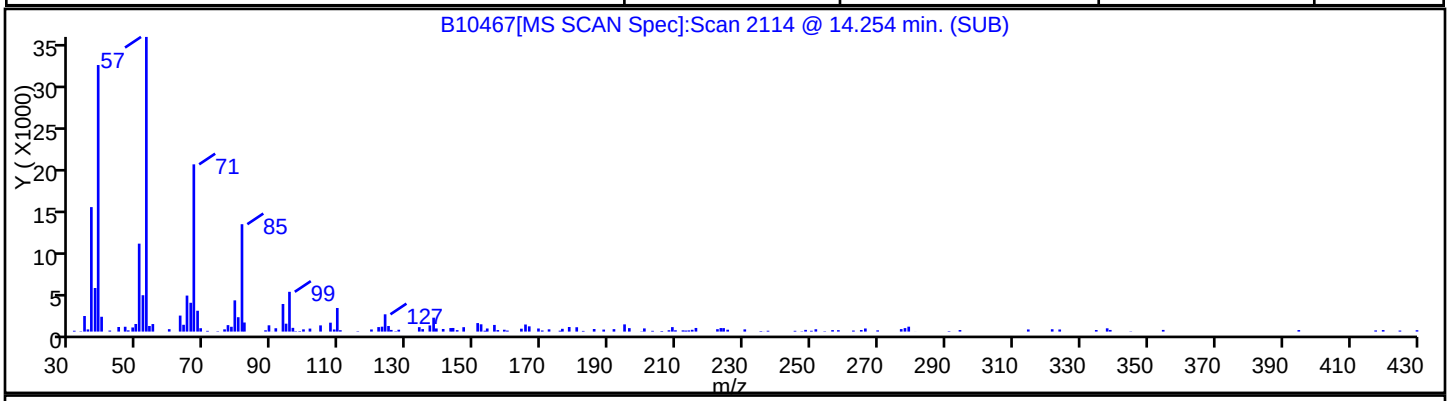
Lims Batch ID: 49266 Lims Sample ID: 30

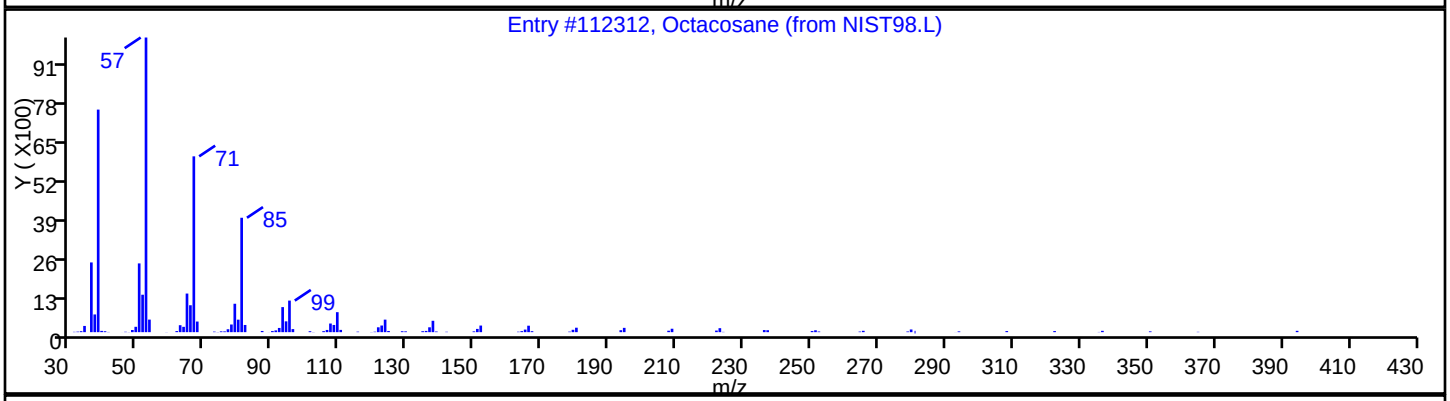
Client ID: OC-SB-463-28/30-XXX Instrument: Inst. B

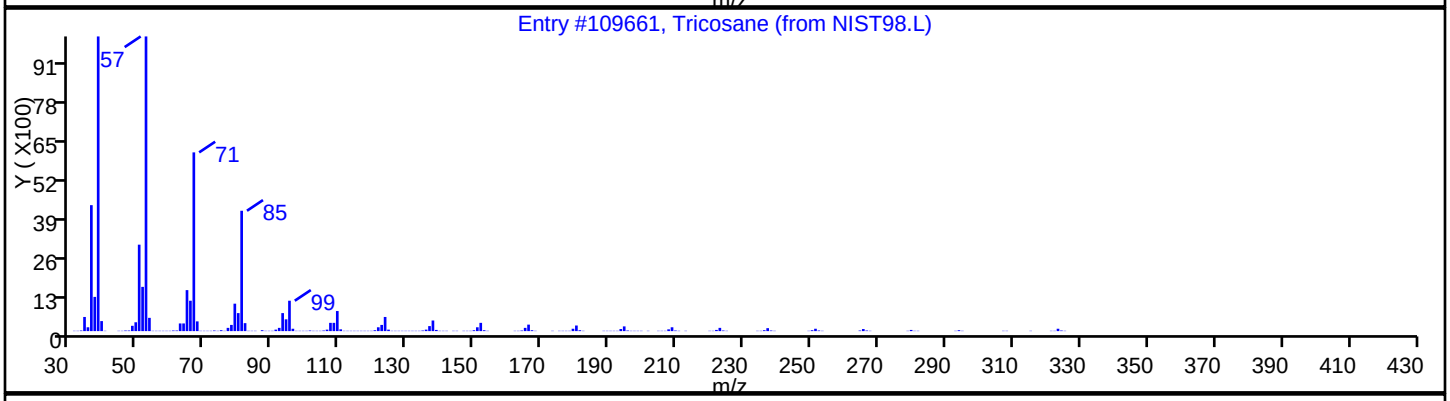
Sample Info: 360-24417-a-2-a

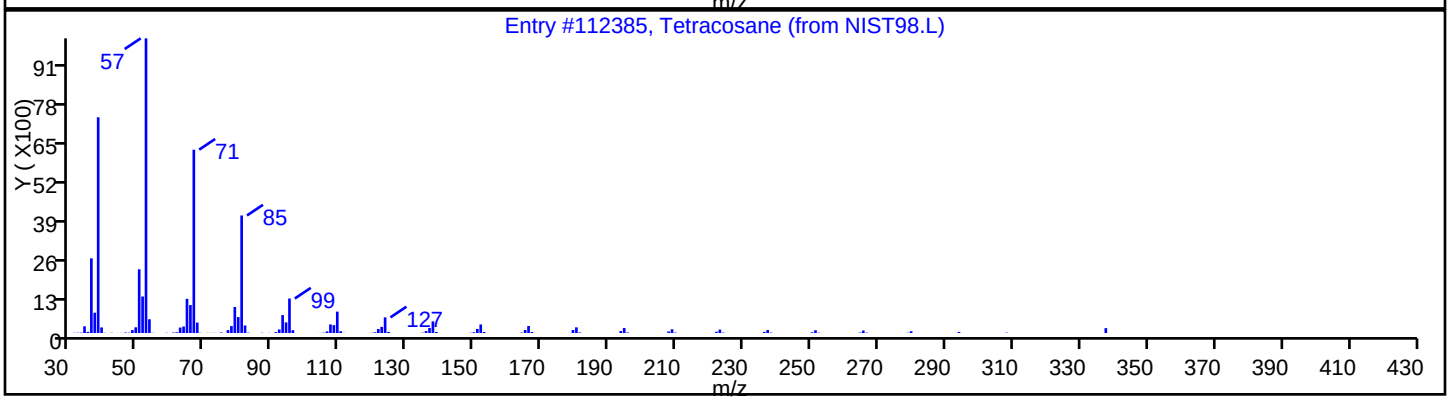
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octacosane	630-2-4	NIST98.L	112312	99
Tricosane	638-67-5	NIST98.L	109661	98
Tetracosane	646-31-1	NIST98.L	112385	96









Report Date: 23-Sep-2009 13:03:57 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10467.D

Inj Date: 22-Sep-2009 06:54:30 Limit Group: SMS - 8270LL SVOA Calibration

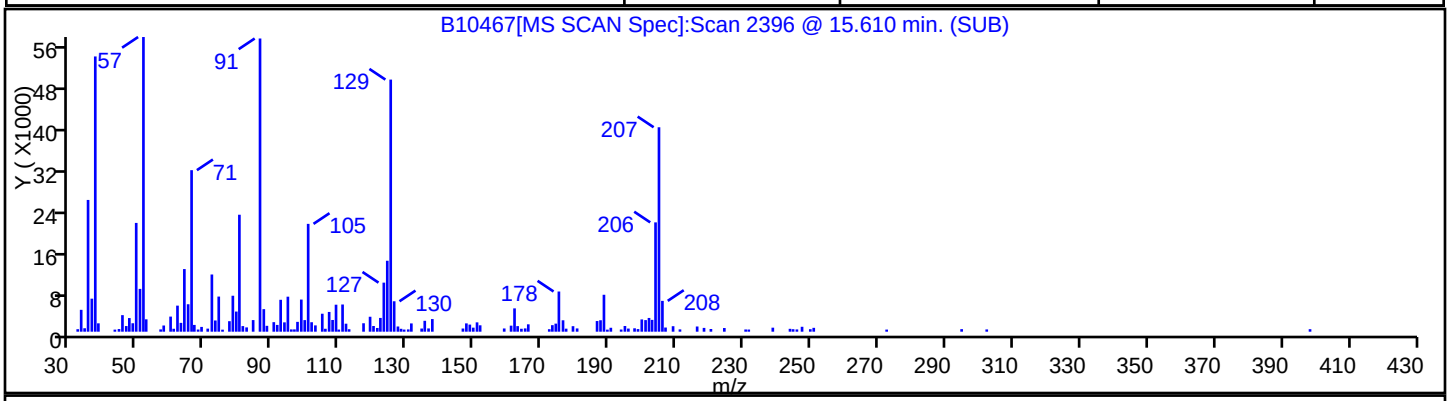
Lims Batch ID: 49266 Lims Sample ID: 30

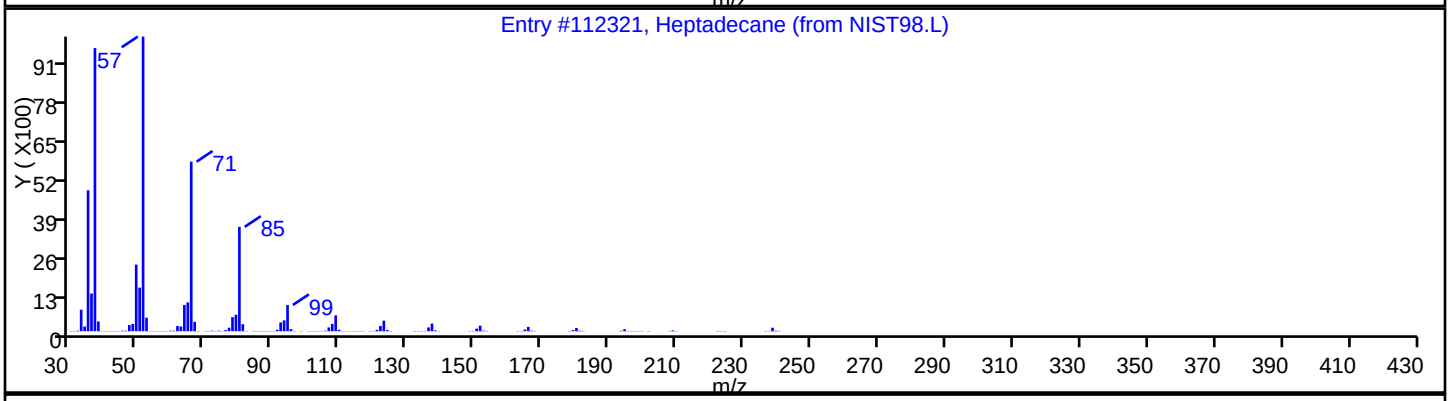
Client ID: OC-SB-463-28/30-XXX Instrument: Inst. B

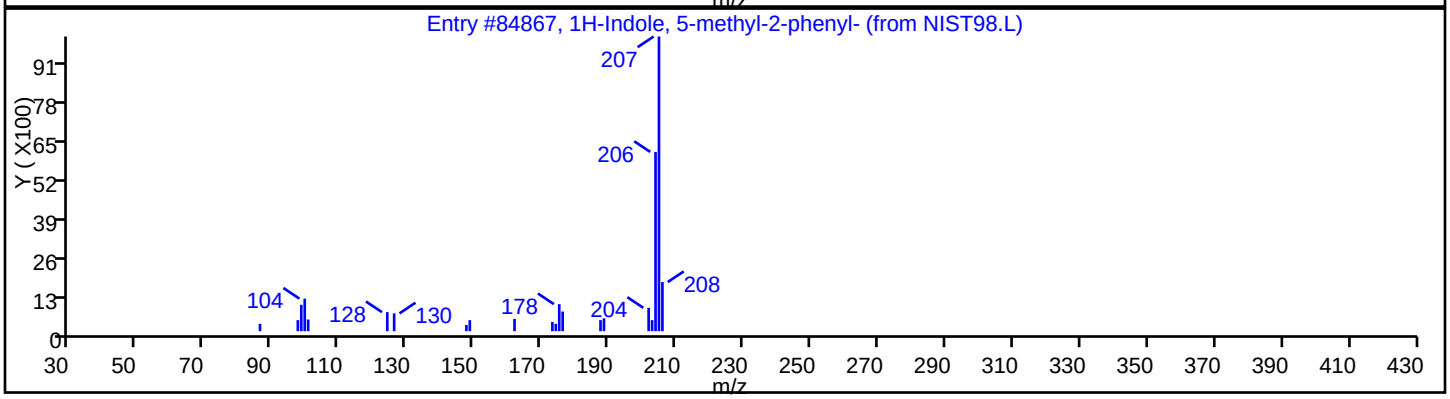
Sample Info: 360-24417-a-2-a

Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptadecane	629-78-7	NIST98.L	112321	90
1H-Indole, 5-methyl-2-phenyl-	13228-36-9	NIST98.L	84867	55







Report Date: 23-Sep-2009 13:03:57 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10467.D

Inj Date: 22-Sep-2009 06:54:30 Limit Group: SMS - 8270LL SVOA Calibration

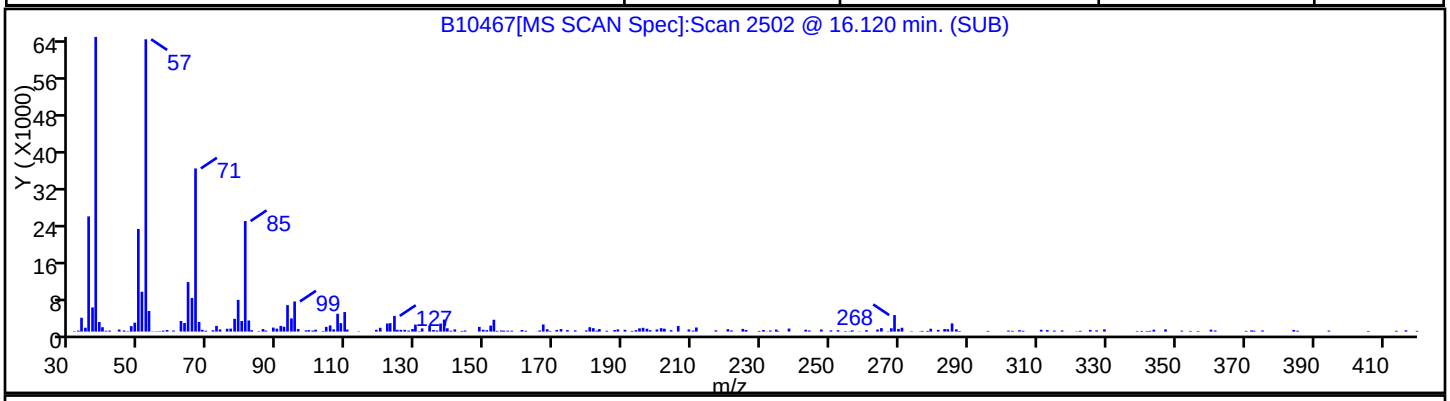
Lims Batch ID: 49266 Lims Sample ID: 30

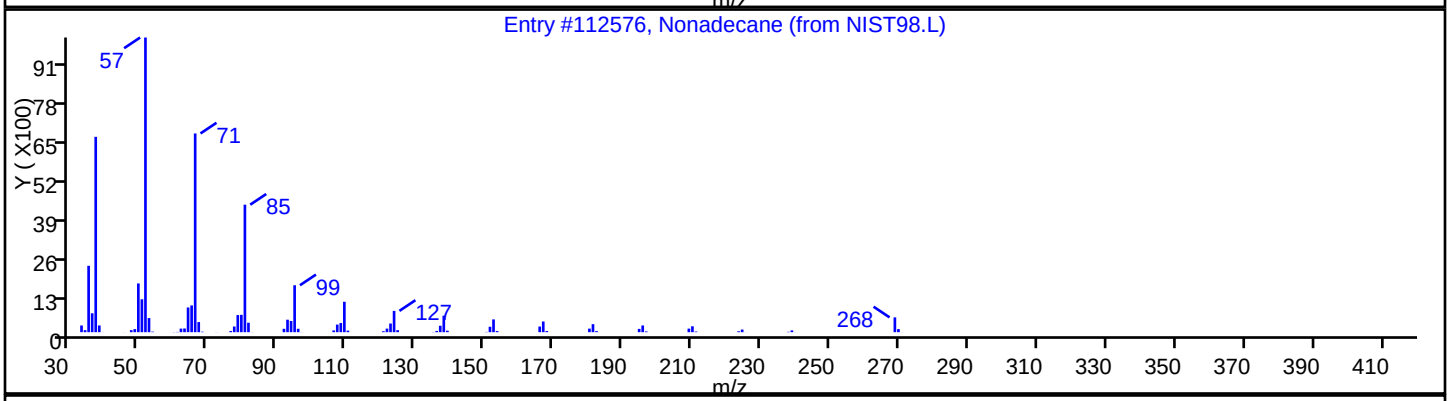
Client ID: OC-SB-463-28/30-XXX Instrument: Inst. B

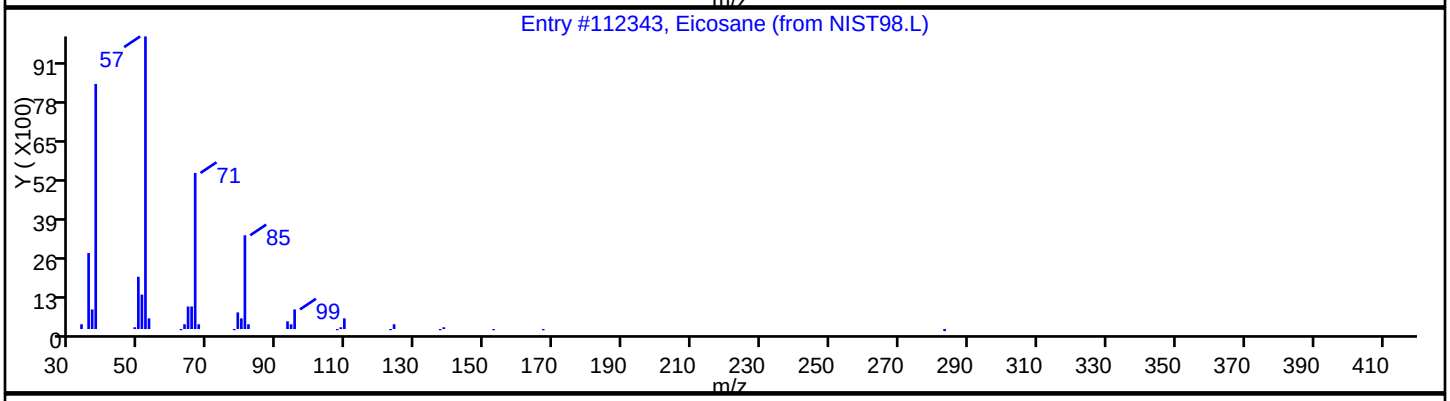
Sample Info: 360-24417-a-2-a

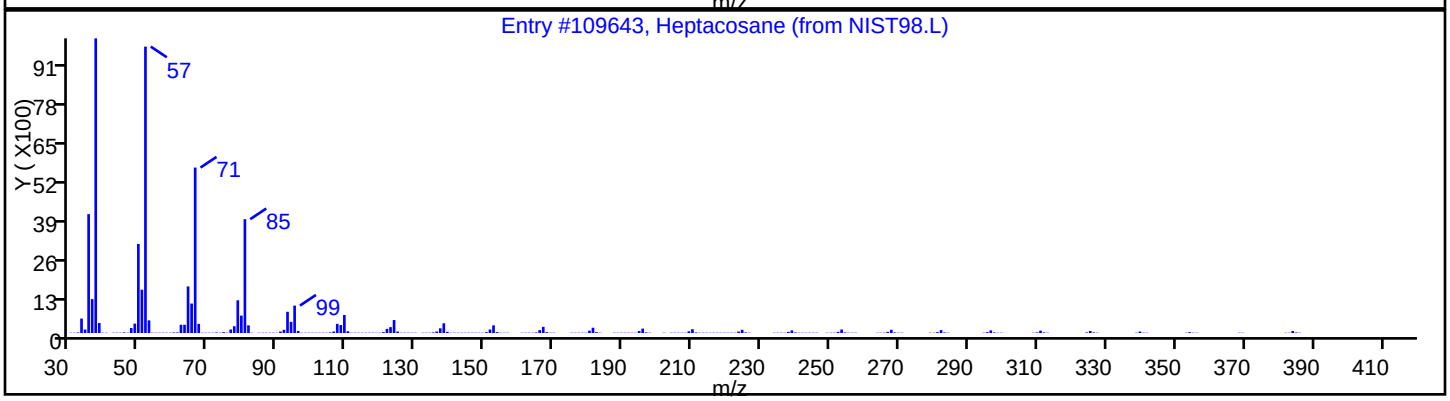
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Nonadecane	629-92-5	NIST98.L	112576	98
Eicosane	112-95-8	NIST98.L	112343	94
Heptacosane	593-49-7	NIST98.L	109643	90









Report Date: 23-Sep-2009 13:03:57 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10467.D

Inj Date: 22-Sep-2009 06:54:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49266 Lims Sample ID: 30

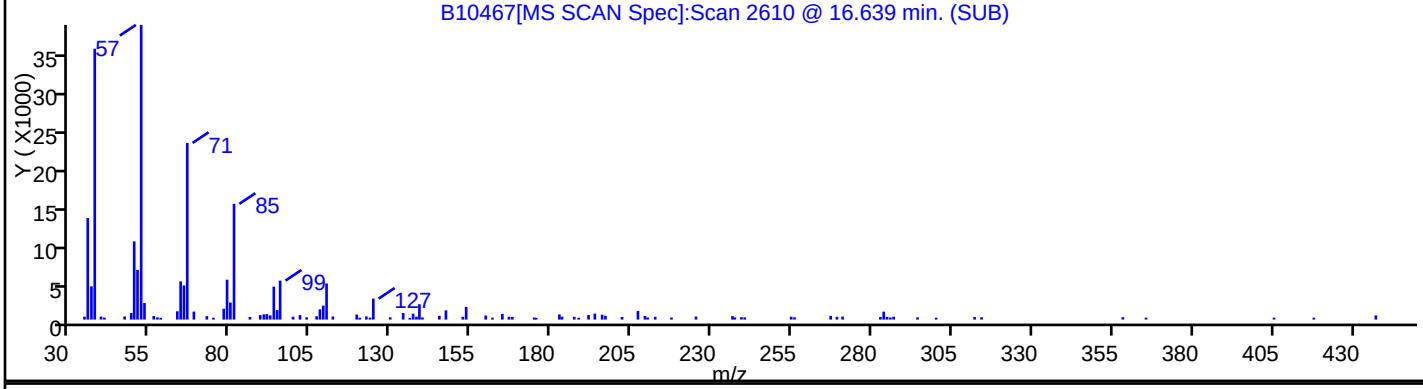
Client ID: OC-SB-463-28/30-XXX Instrument: Inst. B

Sample Info: 360-24417-a-2-a

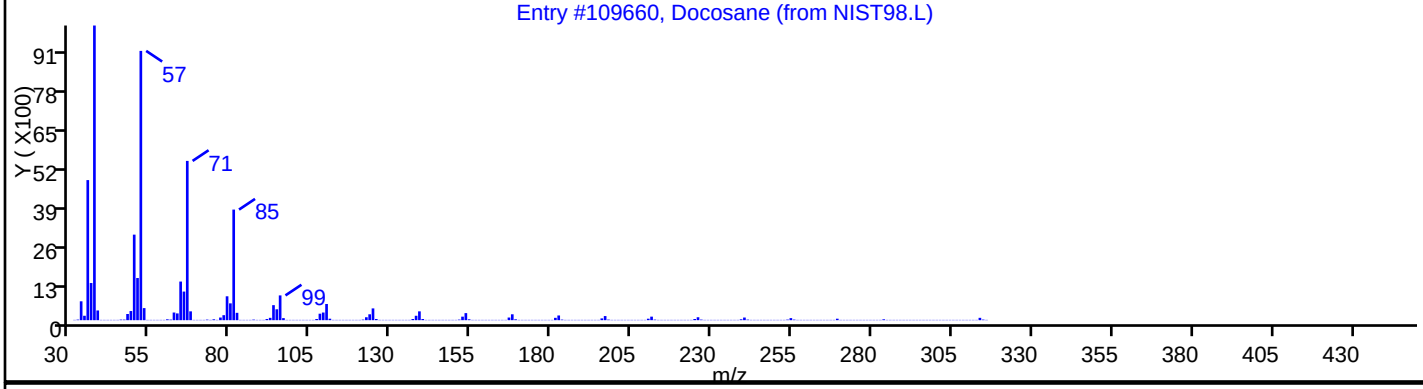
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Docosane	629-97-0	NIST98.L	109660	95
Eicosane	112-95-8	NIST98.L	112343	94
Tetradecane, 2-methyl-	1560-95-8	NIST98.L	16494	91

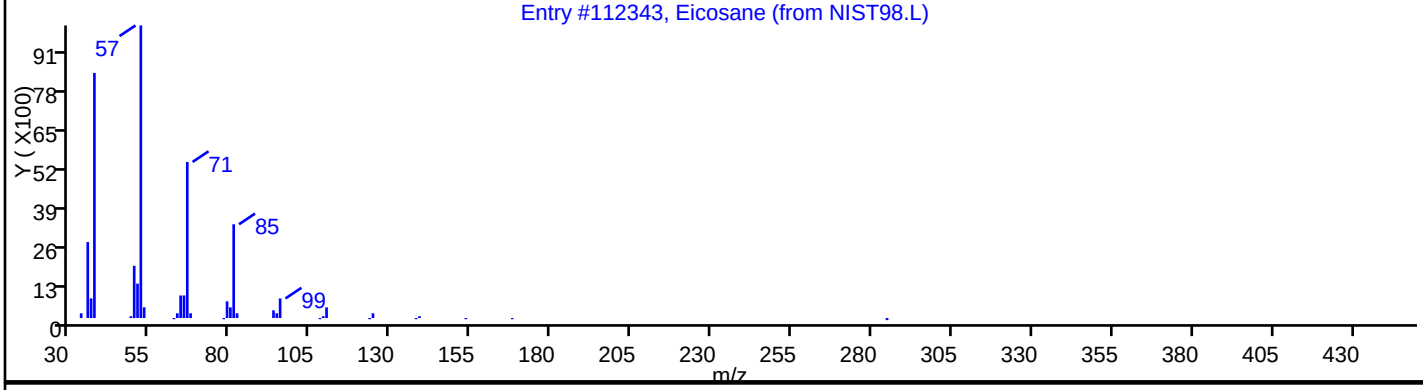
B10467[MS SCAN Spec]:Scan 2610 @ 16.639 min. (SUB)



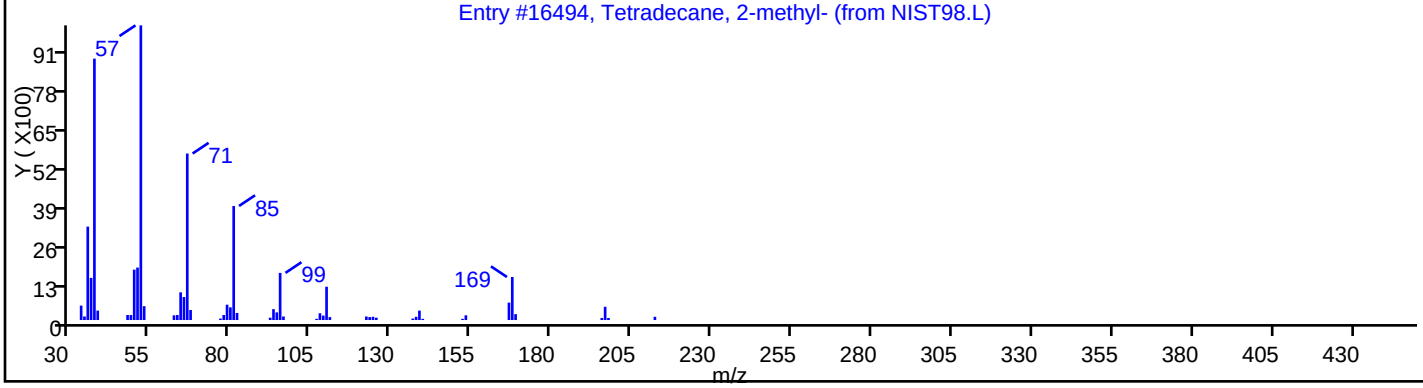
Entry #109660, Docosane (from NIST98.L)



Entry #112343, Eicosane (from NIST98.L)



Entry #16494, Tetradecane, 2-methyl- (from NIST98.L)



Report Date: 23-Sep-2009 13:03:57 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10467.D

Inj Date: 22-Sep-2009 06:54:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49266 Lims Sample ID: 30

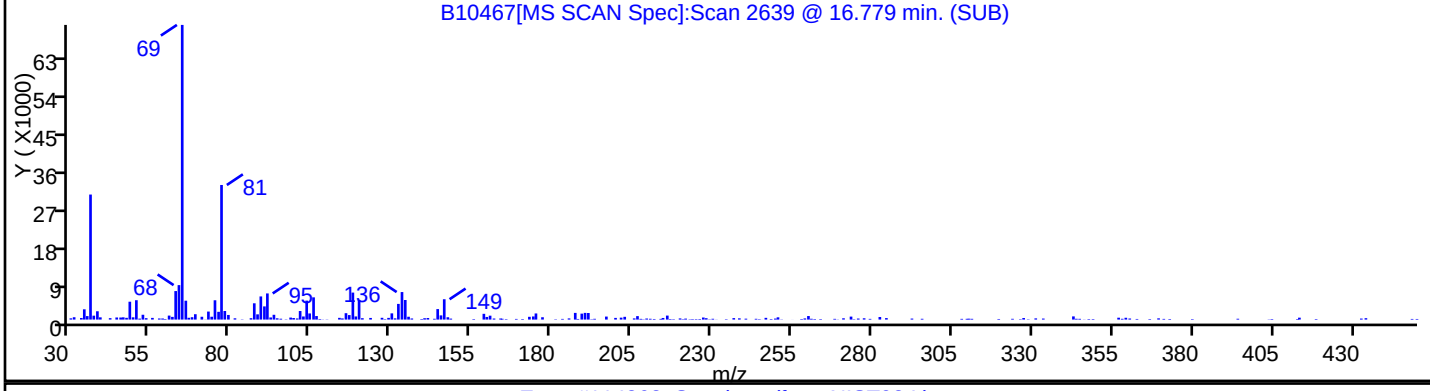
Client ID: OC-SB-463-28/30-XXX Instrument: Inst. B

Sample Info: 360-24417-a-2-a

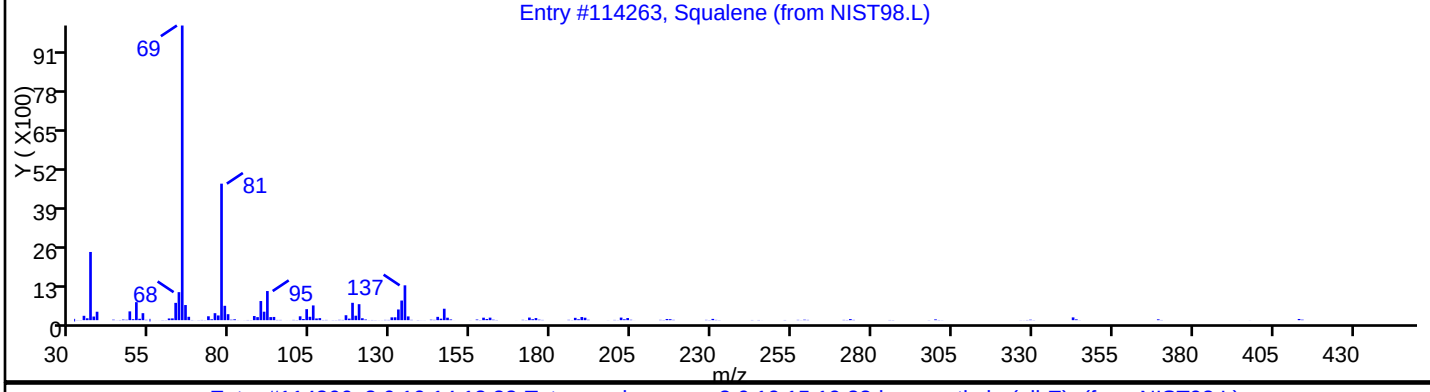
Sample Amount: 1.00 ul Operator: MZ

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	80
1,5,9-Undecatriene, 2,6,10-trimethyl-, (	62951-96-6	NIST98.L	22381	80

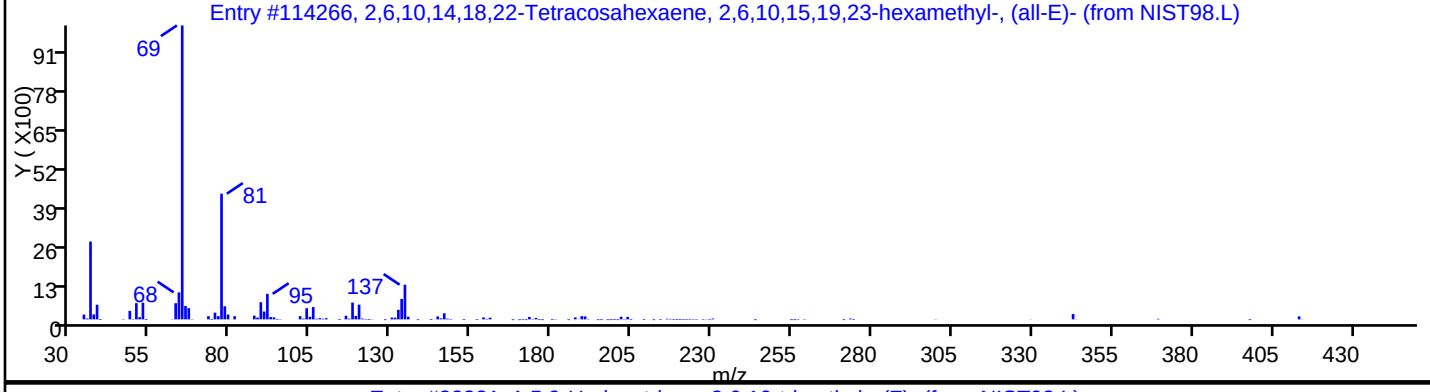
B10467[MS SCAN Spec]:Scan 2639 @ 16.779 min. (SUB)



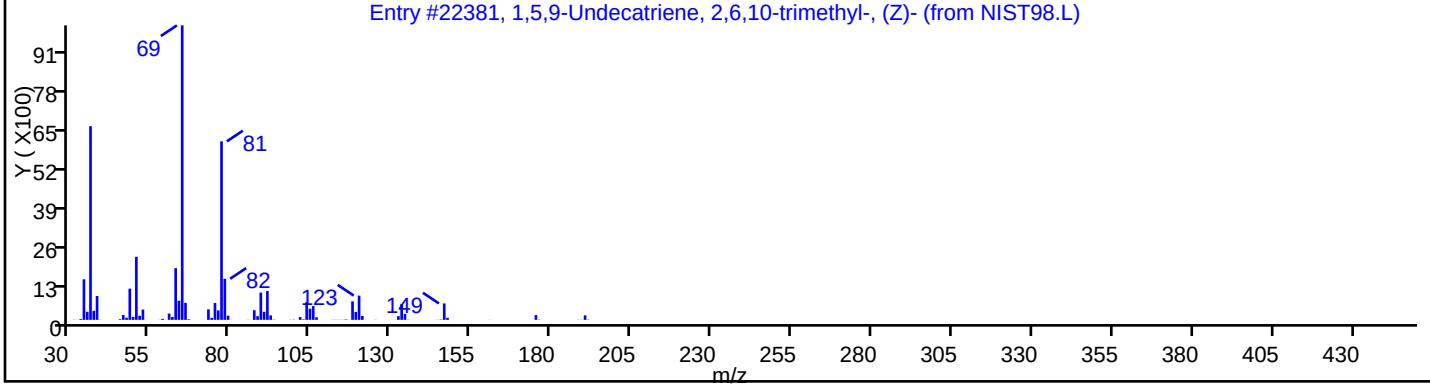
Entry #114263, Squalene (from NIST98.L)



Entry #114266, 2,6,10,14,18,22-Tetracosahexaene, 2,6,10,15,19,23-hexamethyl-, (all-E)- (from NIST98.L)



Entry #22381, 1,5,9-Undecatriene, 2,6,10-trimethyl-, (Z)- (from NIST98.L)



Report Date: 23-Sep-2009 13:03:57 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10467.D

Inj Date: 22-Sep-2009 06:54:30 Limit Group: SMS - 8270LL SVOA Calibration

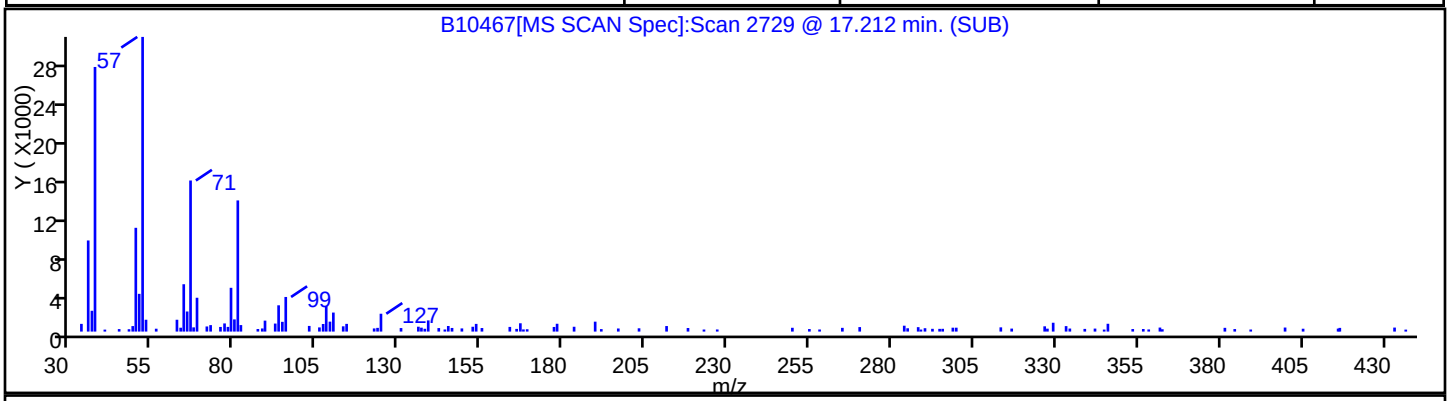
Lims Batch ID: 49266 Lims Sample ID: 30

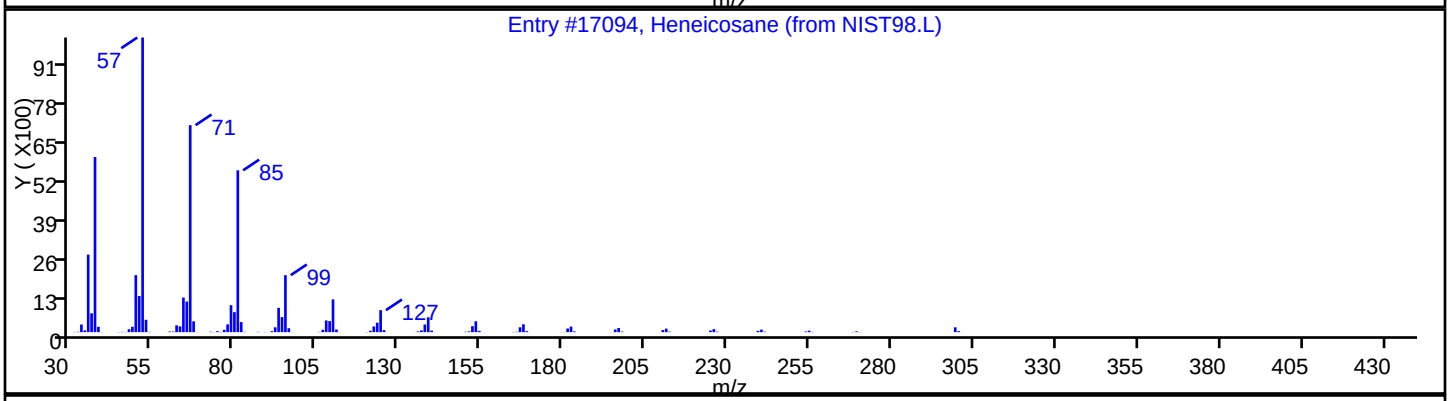
Client ID: OC-SB-463-28/30-XXX Instrument: Inst. B

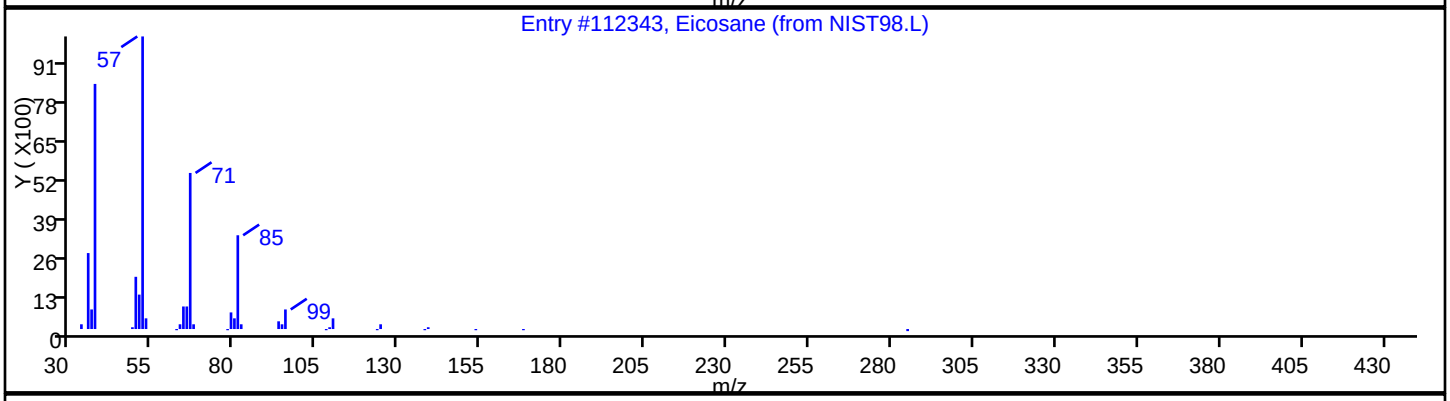
Sample Info: 360-24417-a-2-a

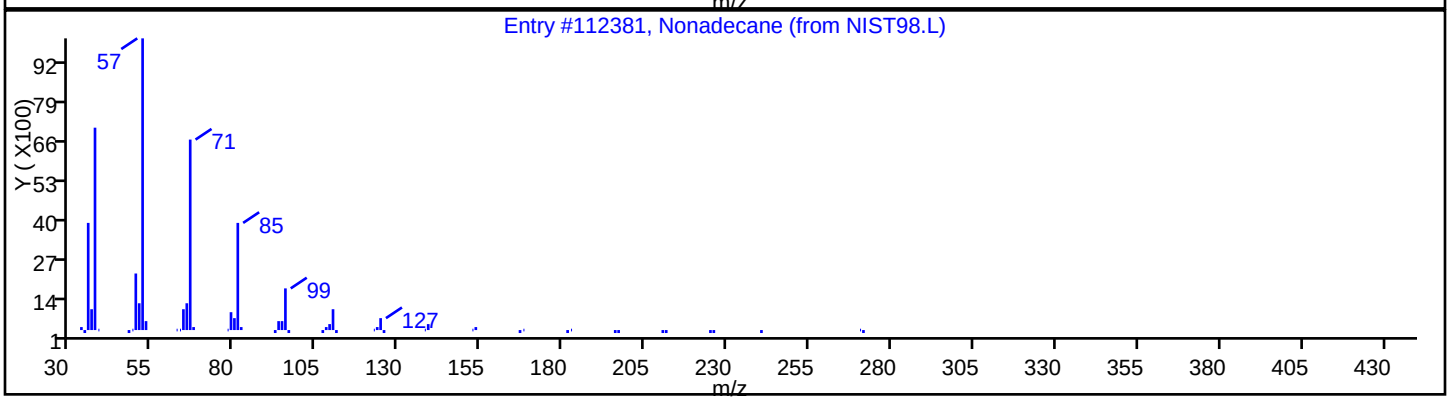
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heneicosane	629-94-7	NIST98.L	17094	93
Eicosane	112-95-8	NIST98.L	112343	90
Nonadecane	629-92-5	NIST98.L	112381	78









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: OC-SB-464-26/28-XXX | Lab Sample ID: 360-24417-5

Matrix: Solid | Lab File ID: B10470.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 16:50

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

Sample wt/vol: 30.03(g) | Date Analyzed: 09/22/2009 08:27

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

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

% Moisture: 7.5 | GPC Cleanup:(Y/N) N

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

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: OC-SB-464-26/28-XXX | Lab Sample ID: 360-24417-5

Matrix: Solid | Lab File ID: B10470.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 16:50

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

Sample wt/vol: 30.03(g) | Date Analyzed: 09/22/2009 08:27

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

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

% Moisture: 7.5 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		36	11
62-53-3	Aniline	ND	*	36	11
120-12-7	Anthracene	ND		36	11
1912-24-9	Atrazine	ND		36	11
103-33-3	Azobenzene	ND		36	11
100-52-7	Benzaldehyde	ND		36	11
56-55-3	Benzo[a]anthracene	ND		36	11
50-32-8	Benzo[a]pyrene	ND		36	11
205-99-2	Benzo[b]fluoranthene	ND		36	11
191-24-2	Benzo[g,h,i]perylene	ND		36	11
207-08-9	Benzo[k]fluoranthene	ND		36	11
65-85-0	Benzoic acid	ND		180	16
119-61-9	Benzophenone	ND		36	11
100-51-6	Benzyl alcohol	ND		72	31
111-91-1	Bis(2-chloroethoxy)methane	ND		36	11
111-44-4	Bis(2-chloroethyl)ether	ND		36	11
117-81-7	Bis(2-ethylhexyl) phthalate	ND		36	11
85-68-7	Butyl benzyl phthalate	ND		36	11
105-60-2	Caprolactam	ND		36	11
86-74-8	Carbazole	ND		36	11
218-01-9	Chrysene	ND		36	11
53-70-3	Dibenz(a,h)anthracene	ND		36	11
132-64-9	Dibenzofuran	ND		36	11
84-66-2	Diethyl phthalate	ND		36	11
131-11-3	Dimethyl phthalate	ND		36	11
84-74-2	Di-n-butyl phthalate	ND		36	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.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: OC-SB-464-26/28-XXX | Lab Sample ID: 360-24417-5

Matrix: Solid | Lab File ID: B10470.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 16:50

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

Sample wt/vol: 30.03(g) | Date Analyzed: 09/22/2009 08:27

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

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

% Moisture: 7.5 | GPC Cleanup:(Y/N) N

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

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

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	52	30-130	
321-60-8	2-Fluorobiphenyl	55	30-130	
367-12-4	2-Fluorophenol	68	30-130	
4165-60-0	Nitrobenzene-d5	64	30-130	
4165-62-2	Phenol-d5	68	30-130	
1718-51-0	Terphenyl-d14	56	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: OC-SB-464-26/28-XXX | Lab Sample ID: 360-24417-5

Matrix: Solid | Lab File ID: B10470.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 16:50

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

Sample wt/vol: 30.03(g) | Date Analyzed: 09/22/2009 08:27

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

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

% Moisture: 7.5 | GPC Cleanup:(Y/N) N

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

Number TICs Found: 7 | TIC Result Total: 304

CAS NO.	COMPOUND NAME	RT	RESULT	Q
128-37-0	Butylated Hydroxytoluene	10.48	13	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	11.43	12	T J N
112-61-8	Octadecanoic acid, methyl ester	12.81	10	T J N
638-68-6	Triacontane	15.61	55	T J N
112-84-5	Erucylamide	16.63	190	T J N
7683-64-9	Squalene	16.78	11	T J N
112-95-8	Eicosane	17.22	13	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10470.D		
Lims ID:	360-24417-A-5-B	Client ID:	OC-SB-464-26/28-XXX
Inject. Date:	22-Sep-2009 08:27:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-5-b		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	33
Lims Batch ID:	49266	Lims Sample ID:	33
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	23-Sep-2009 13:11:05	Calib Date:	21-Sep-2009 19:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 13:11:05

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.903	7.900	0.003	531773	2.00	
* 2 Naphthalene-d8	136	9.033	9.030	0.003	1276997	2.00	
* 3 Acenaphthene-d10	164	10.533	10.535	-0.002	666556	2.00	
* 4 Phenanthrene-d10	188	11.803	11.800	0.003	1127984	2.00	
* 5 Chrysene-d12	240	15.404	15.397	0.007	744594	2.00	
* 6 Perylene-d12	264	17.852	17.840	0.012	512239	2.00	
$ 7 2-Fluorophenol	112	6.672	6.630	0.042	1014490	6.78	
$ 8 Phenol-d5	99	7.537	7.520	0.017	1164879	6.76	
$ 9 Nitrobenzene-d5	82	8.393	8.390	0.003	521519	3.19	
$ 10 2-Fluorobiphenyl	172	9.927	9.924	0.003	1217170	2.76	
$ 11 2,4,6-Tribromophenol	330	11.206	11.204	0.002	212191	5.18	
$ 12 Terphenyl-d14	244	13.428	13.425	0.003	994152	2.80	
64 Dibenzofuran	168	10.706	10.703	0.003	8271	0.0162	
69 Fluorene	166	10.999	10.997	0.002	6910	0.0161	
80 Phenanthrene	178	11.827	11.824	0.003	108875	0.1864	
81 Anthracene	178	11.865	11.867	-0.002	27011	0.0494	
84 Di-n-butyl phthalate	149	12.206	12.204	0.002	69937	0.1016	
87 Fluoranthene	202	13.005	13.002	0.003	77232	0.1529	
85 Pyrene	202	13.308	13.305	0.003	33413	0.0553	
89 Butyl benzyl phthalate	149	14.140	14.142	-0.002	4843	0.0193	
92 Bis(2-ethylhexyl) phthalate	149	15.284	15.281	0.003	41897	0.1747	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10470.D		
Lims ID:	360-24417-A-5-B	Client ID:	OC-SB-464-26/28-XXX
Inject. Date:	22-Sep-2009 08:27:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-5-b		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	33
Lims Batch ID:	49266	Lims Sample ID:	33
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	23-Sep-2009 13:11:05	Calib Date:	21-Sep-2009 19:31:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 13:11:05

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

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Alpha-Terpineol	8.980	3997	0.0300	
Pentachloronitrobenzene	11.639	111	0.0849	
Benzidine	13.106	437	0.1929	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
128-37-0 Butylated Hydroxytoluene						
10.480	523768	0.3751	3	96	84224	
3910-35-8 1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3						
11.432	547103	0.3214	4	97	126943	
112-61-8 Octadecanoic acid, methyl ester						
12.808	485397	0.2851	4	96	28371	
638-68-6 Triacontane						
15.611	1582968	1.53	5	98	109665	
112-84-5 Erucylamide						
16.626	5383724	5.21	5	91	19656	
7683-64-9 Squalene						
16.780	328101	0.3047	6	94	114263	
112-95-8 Eicosane						
17.217	386111	0.3586	6	93	112343	

Report Date: 23-Sep-2009 13:11:06 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10470.D
Quantitation Compounds

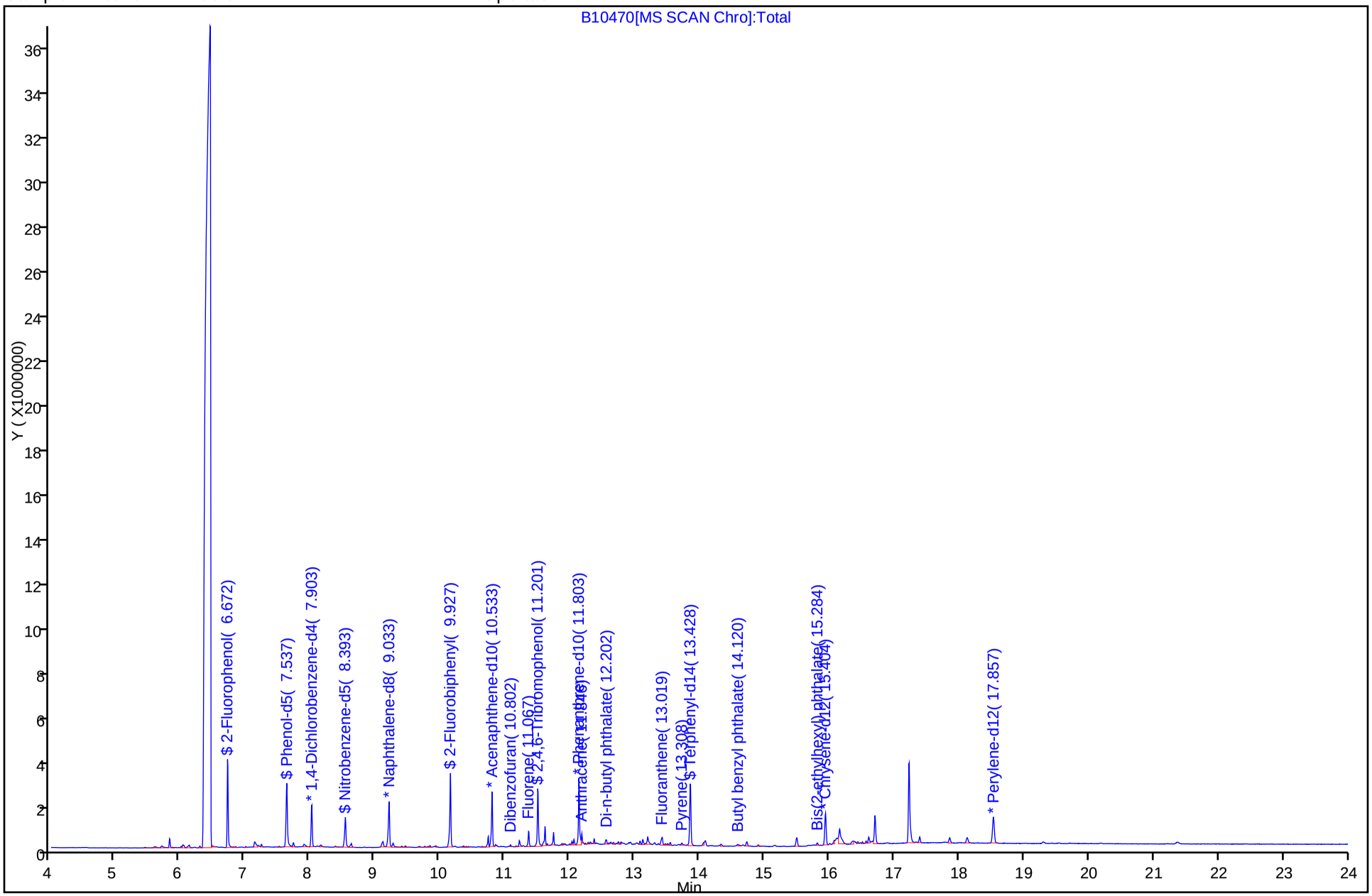
Compound	RT	Response	Amount ug/mL
* 3 Acenaphthene-d10	10.533	2792841	2.00
* 4 Phenanthrene-d10	11.803	3404851	2.00
* 5 Chrysene-d12	15.404	2068142	2.00
* 6 Perylene-d12	17.857	2153657	2.00

QC Flag Legend

Processing Flags

Report Date: 23-Sep-2009 13:11:06 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10470.D		
Inj Date:	22-Sep-2009 08:27:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	33
Client ID:	OC-SB-464-26/28-XXX	Instrument:	Inst. B
Sample Info:	360-24417-a-5-b		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 23-Sep-2009 13:11:08 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10470.D

Inj Date: 22-Sep-2009 08:27:30 Limit Group: SMS - 8270LL SVOA Calibration

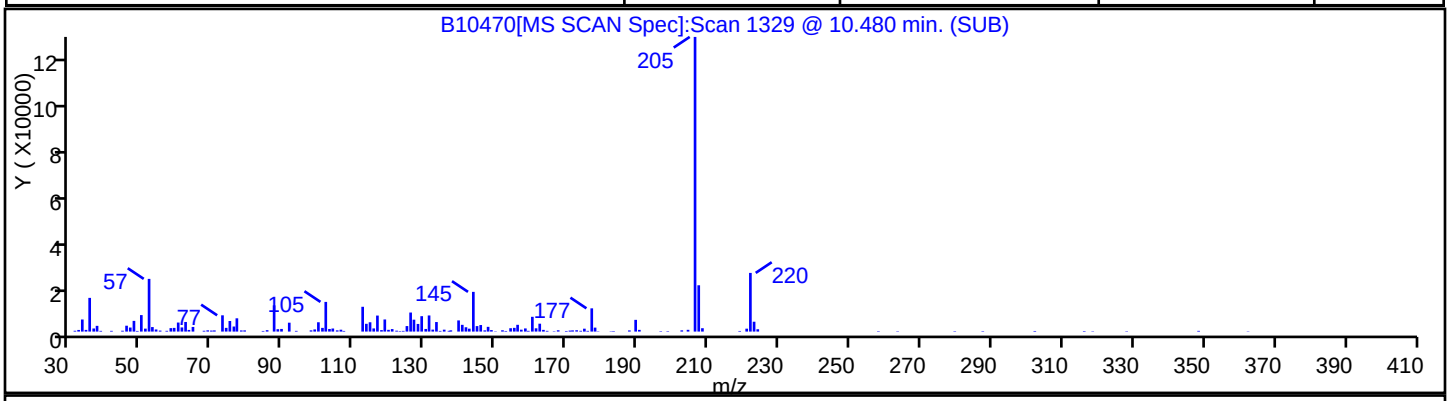
Lims Batch ID: 49266 Lims Sample ID: 33

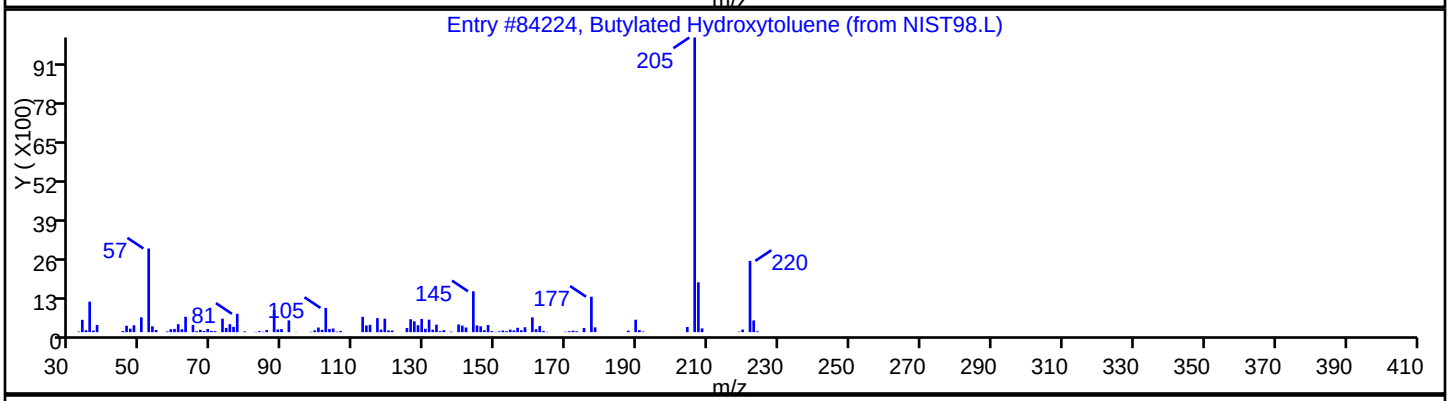
Client ID: OC-SB-464-26/28-XXX Instrument: Inst. B

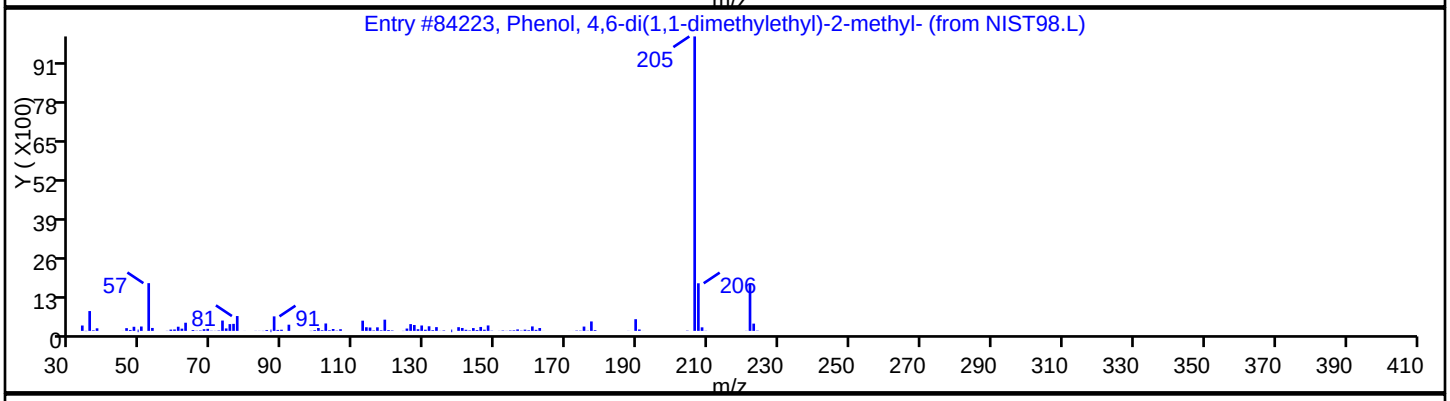
Sample Info: 360-24417-a-5-b

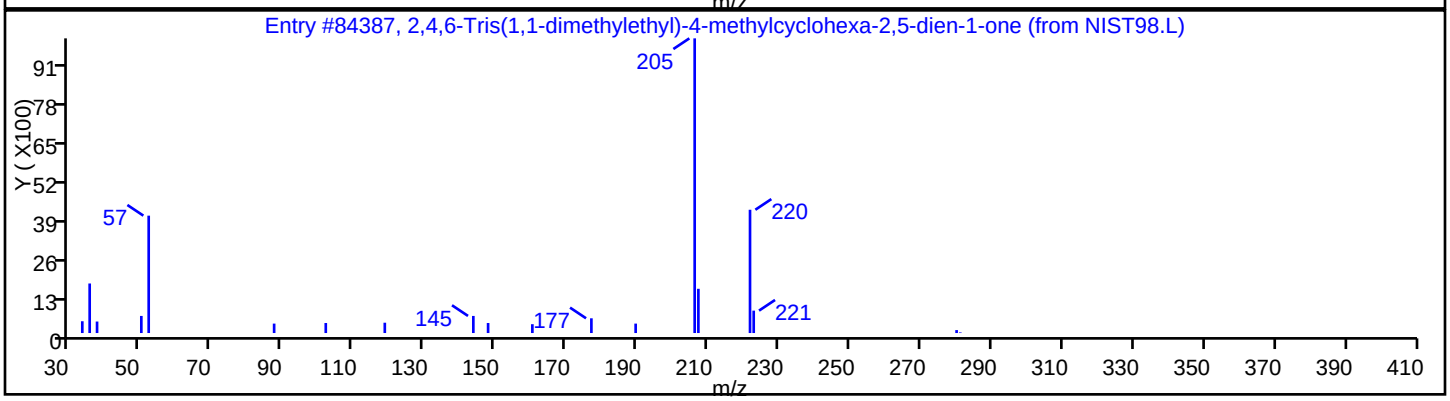
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Butylated Hydroxytoluene	128-37-0	NIST98.L	84224	96
Phenol, 4,6-di(1,1-dimethylethyl)-2-meth	616-55-7	NIST98.L	84223	83
2,4,6-Tris(1,1-dimethylethyl)-4-methylcy	19687-22-0	NIST98.L	84387	64





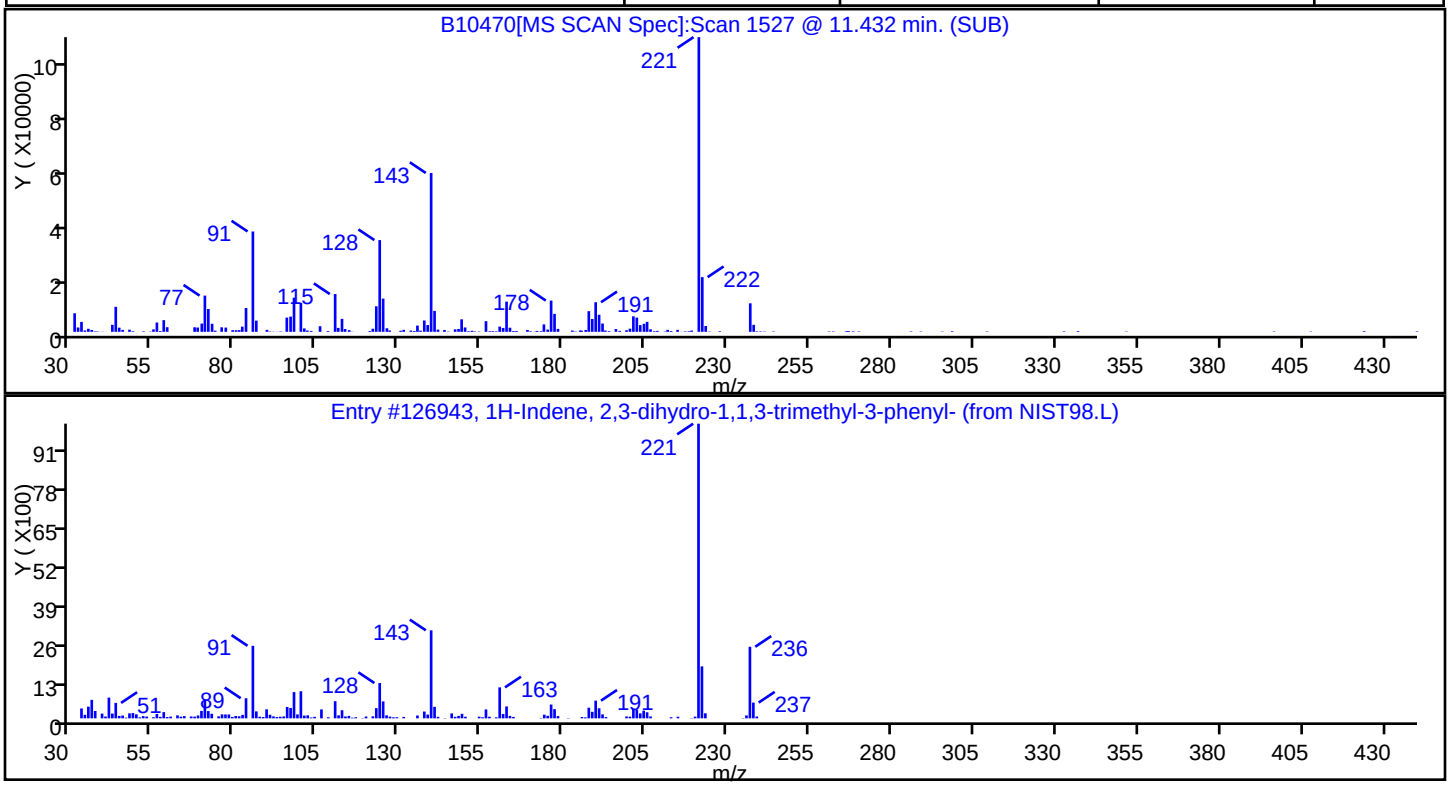




Report Date: 23-Sep-2009 13:11:08 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10470.D		
Inj Date:	22-Sep-2009 08:27:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	33
Client ID:	OC-SB-464-26/28-XXX	Instrument:	Inst. B
Sample Info:	360-24417-a-5-b		
Sample Amount:	1.00 ul	Operator:	MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	3910-35-8	NIST98.L	126943	97



Report Date: 23-Sep-2009 13:11:08 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10470.D

Inj Date: 22-Sep-2009 08:27:30 Limit Group: SMS - 8270LL SVOA Calibration

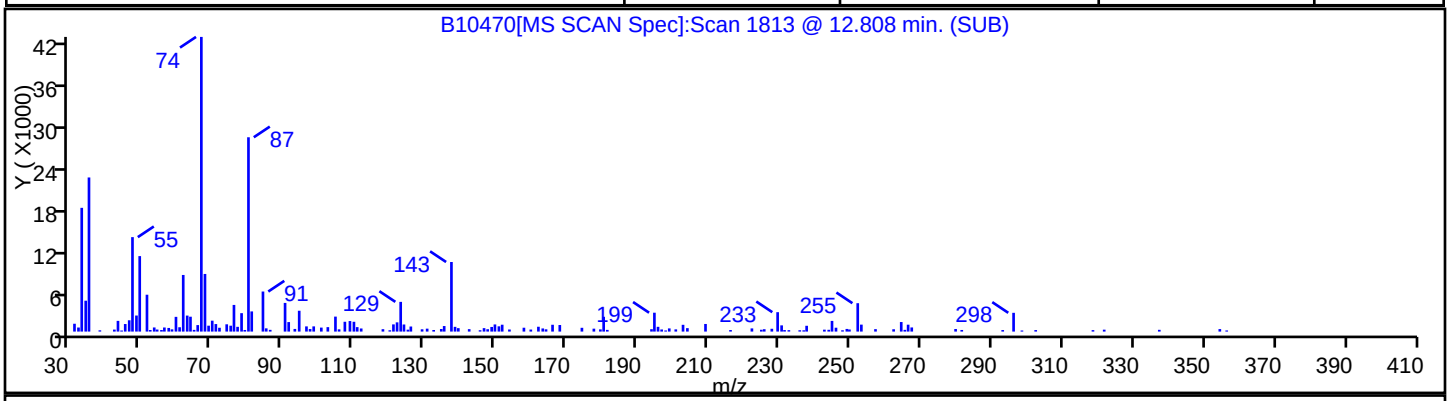
Lims Batch ID: 49266 Lims Sample ID: 33

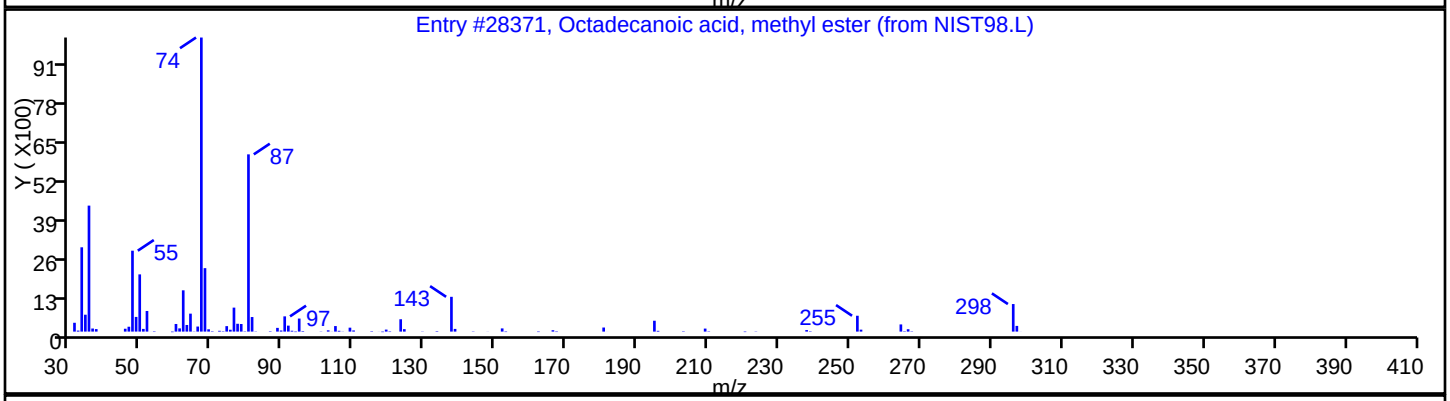
Client ID: OC-SB-464-26/28-XXX Instrument: Inst. B

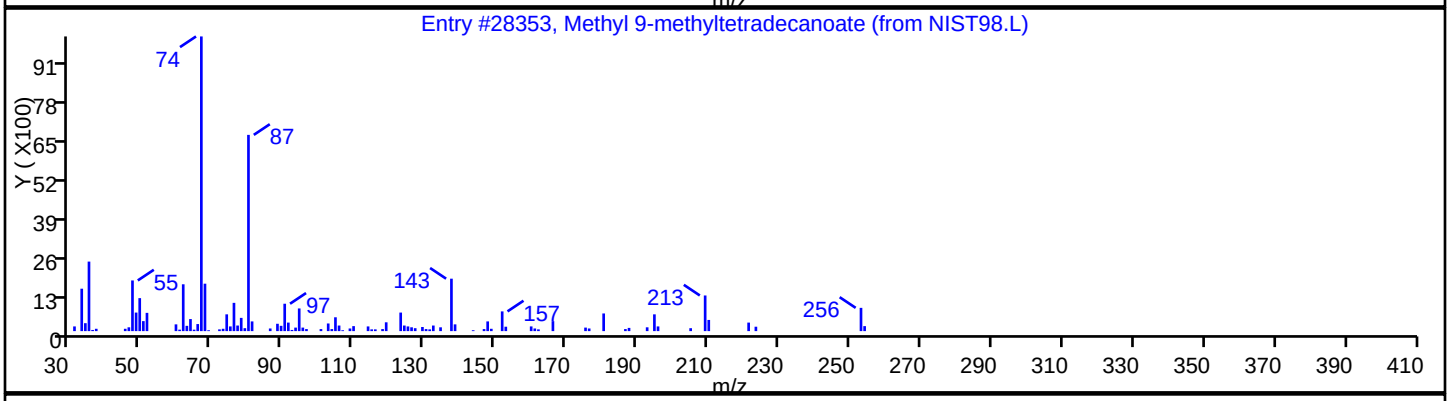
Sample Info: 360-24417-a-5-b

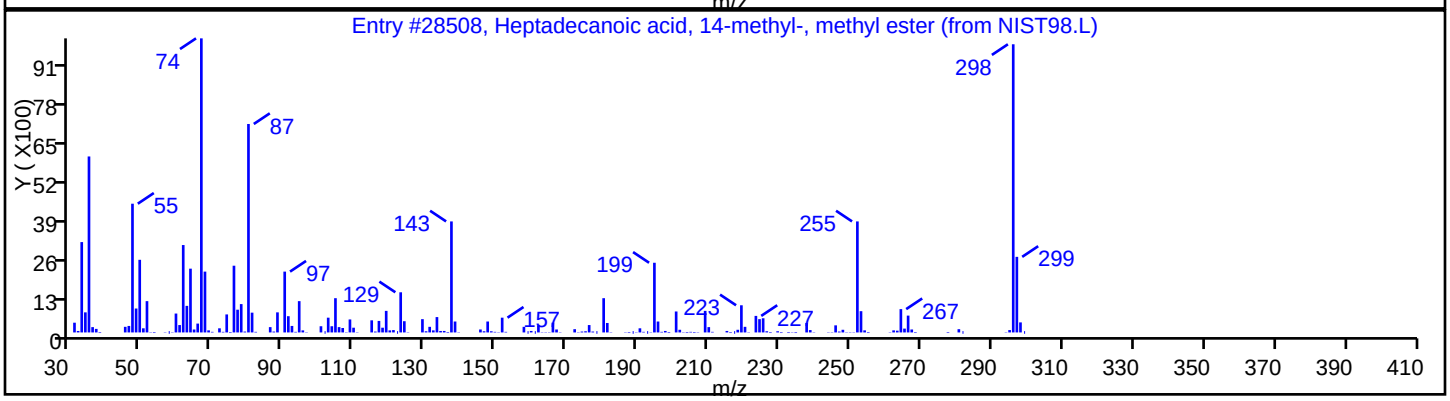
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecanoic acid, methyl ester	112-61-8	NIST98.L	28371	96
Methyl 9-methyltetradecanoate	1000110-16-1	NIST98.L	28353	90
Heptadecanoic acid, 14-methyl-, methyl e	2490-23-5	NIST98.L	28508	87









Report Date: 23-Sep-2009 13:11:08 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10470.D

Inj Date: 22-Sep-2009 08:27:30 Limit Group: SMS - 8270LL SVOA Calibration

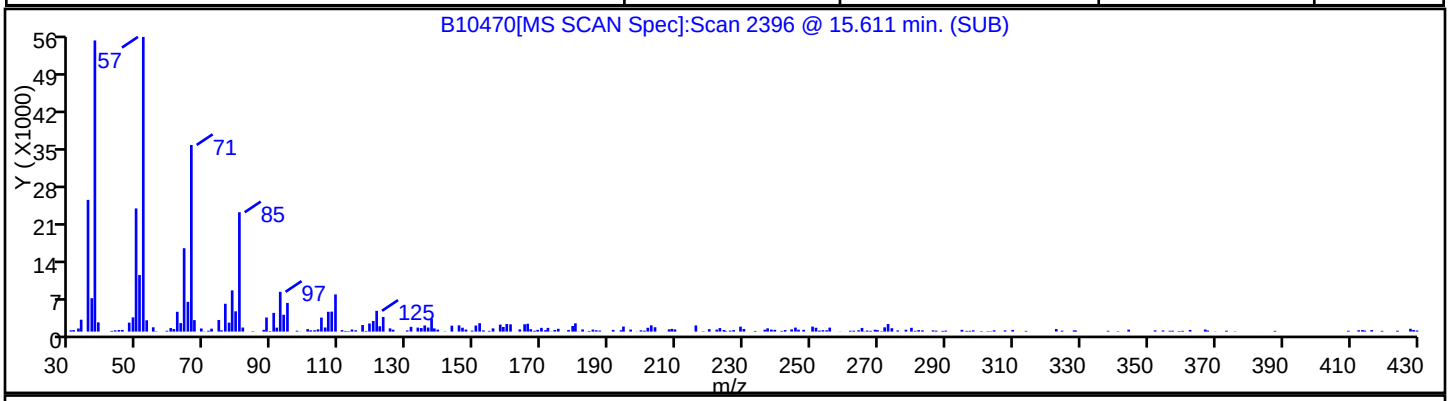
Lims Batch ID: 49266 Lims Sample ID: 33

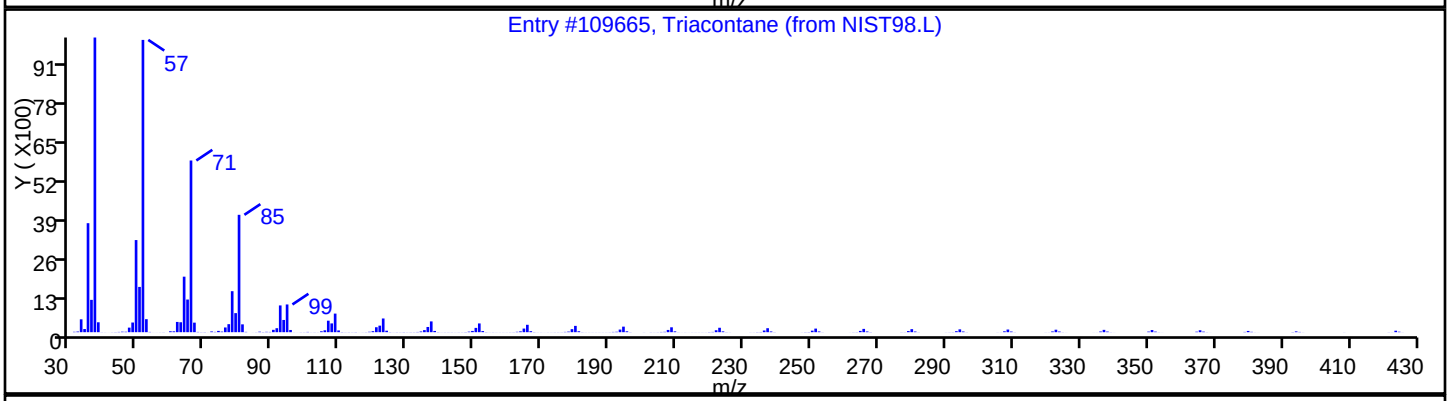
Client ID: OC-SB-464-26/28-XXX Instrument: Inst. B

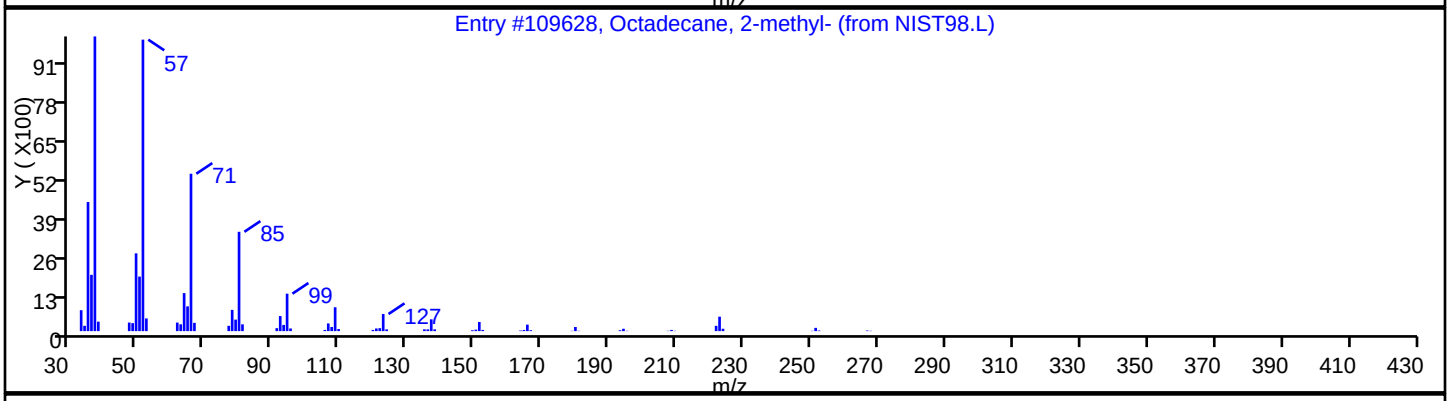
Sample Info: 360-24417-a-5-b

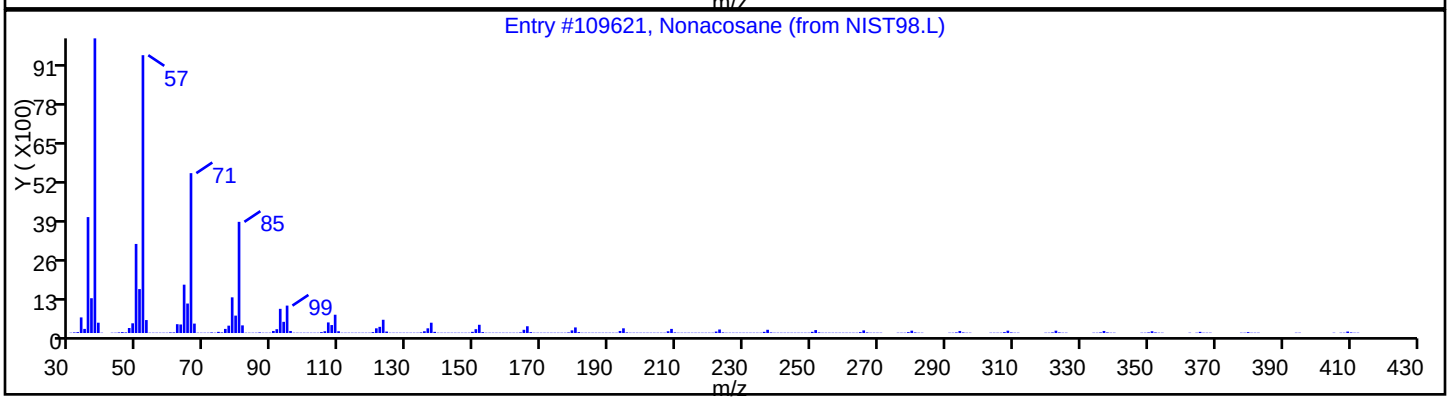
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Triacontane	638-68-6	NIST98.L	109665	98
Octadecane, 2-methyl-	1560-88-9	NIST98.L	109628	91
Nonacosane	630-3-5	NIST98.L	109621	91









Report Date: 23-Sep-2009 13:11:08 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10470.D

Inj Date: 22-Sep-2009 08:27:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49266 Lims Sample ID: 33

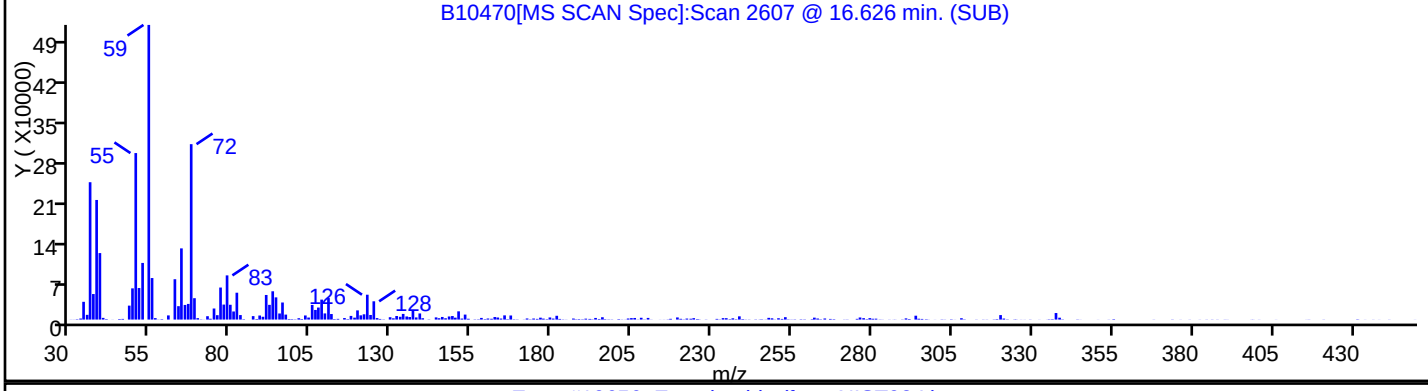
Client ID: OC-SB-464-26/28-XXX Instrument: Inst. B

Sample Info: 360-24417-a-5-b

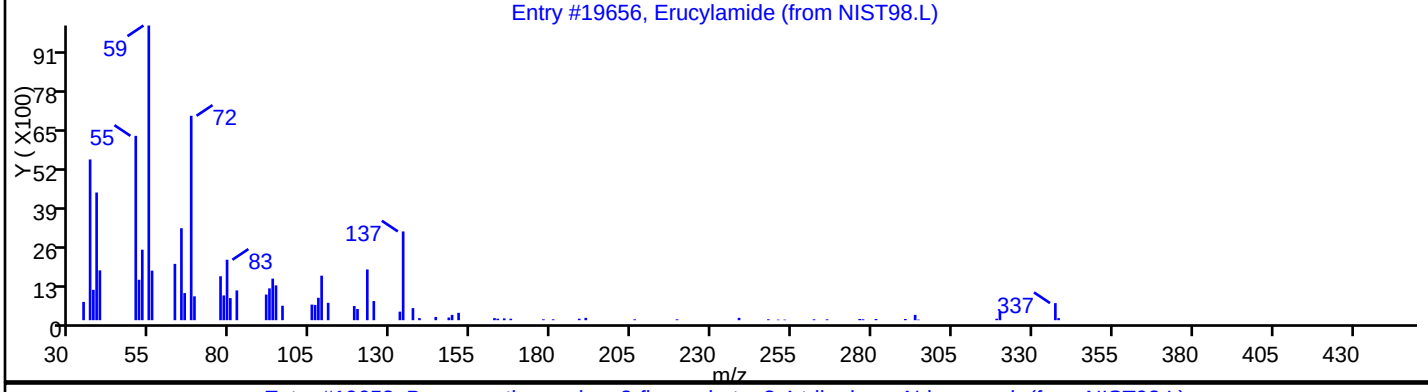
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Erucylamide	112-84-5	NIST98.L	19656	91
Benzeneethanamine, 2-fluoro-.beta.,3,4-t	61338-98-5	NIST98.L	19658	64
9-Octadecenamide, (Z)-	301-2-0	NIST98.L	19657	64

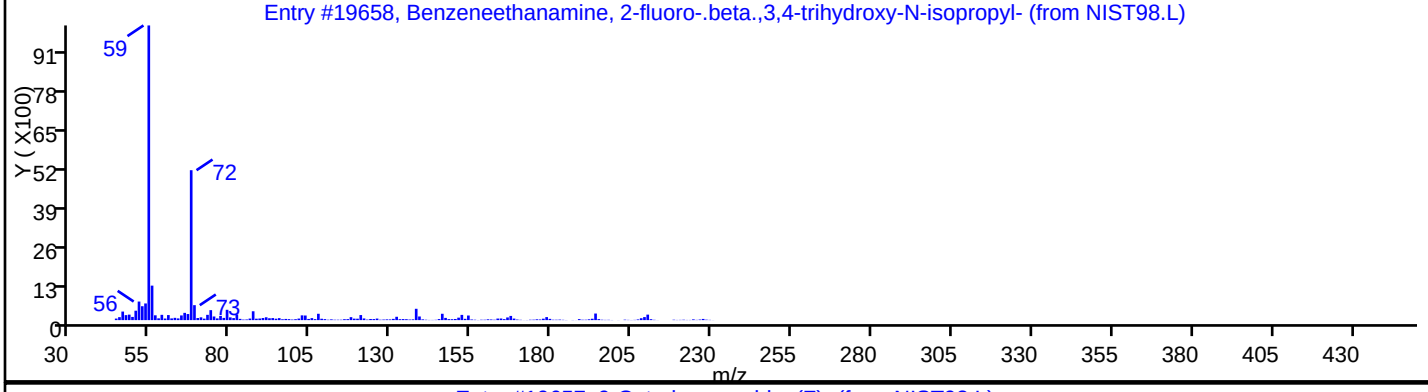
B10470[MS SCAN Spec]:Scan 2607 @ 16.626 min. (SUB)



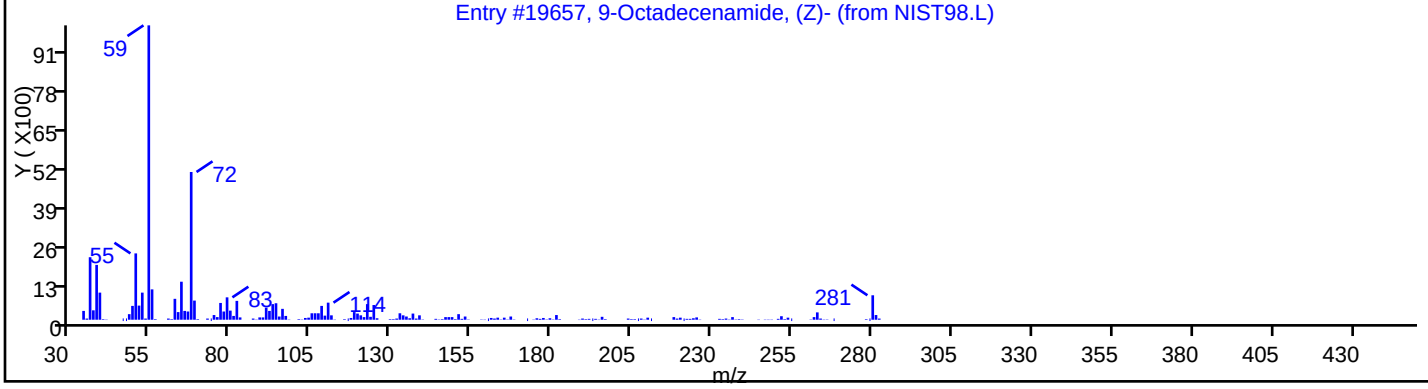
Entry #19656, Erucylamide (from NIST98.L)



Entry #19658, Benzeneethanamine, 2-fluoro-.beta.,3,4-trihydroxy-N-isopropyl- (from NIST98.L)



Entry #19657, 9-Octadecenamide, (Z)- (from NIST98.L)



Report Date: 23-Sep-2009 13:11:08 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10470.D

Inj Date: 22-Sep-2009 08:27:30 Limit Group: SMS - 8270LL SVOA Calibration

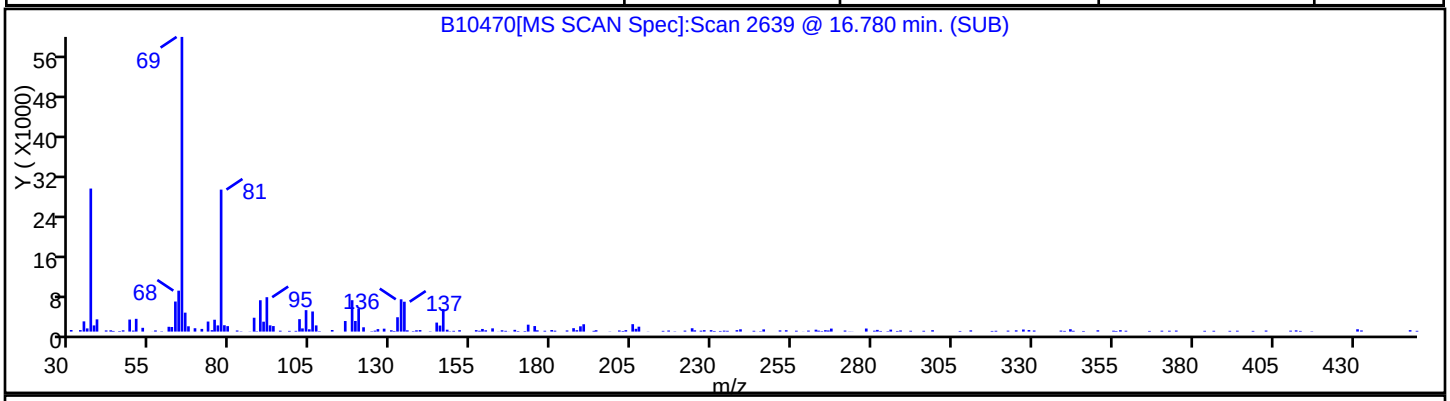
Lims Batch ID: 49266 Lims Sample ID: 33

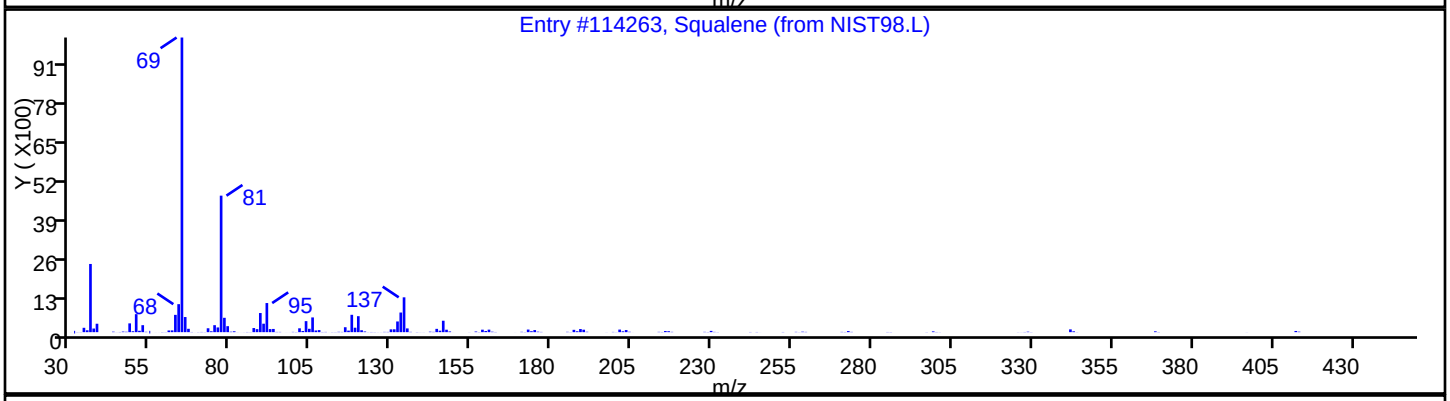
Client ID: OC-SB-464-26/28-XXX Instrument: Inst. B

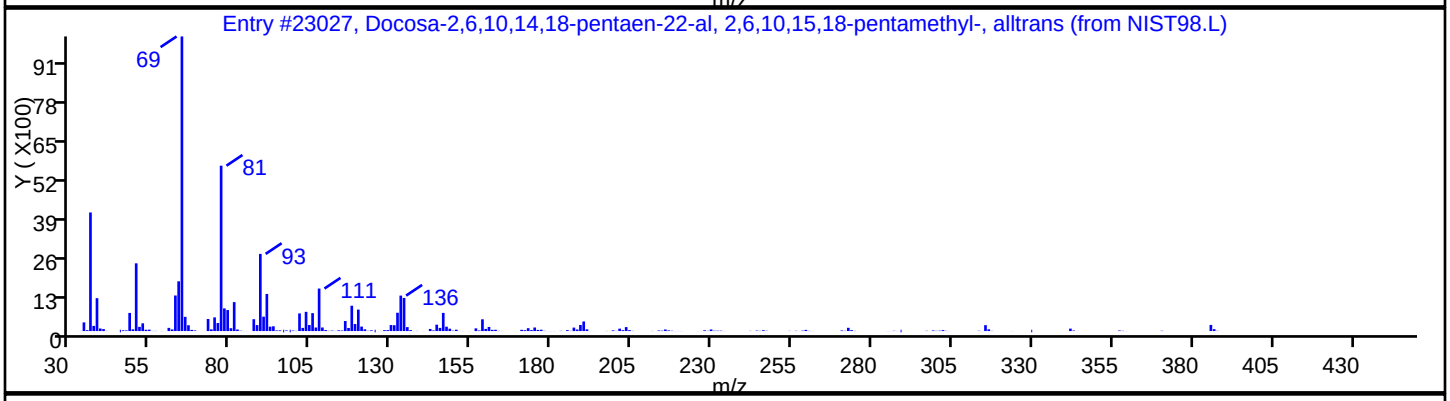
Sample Info: 360-24417-a-5-b

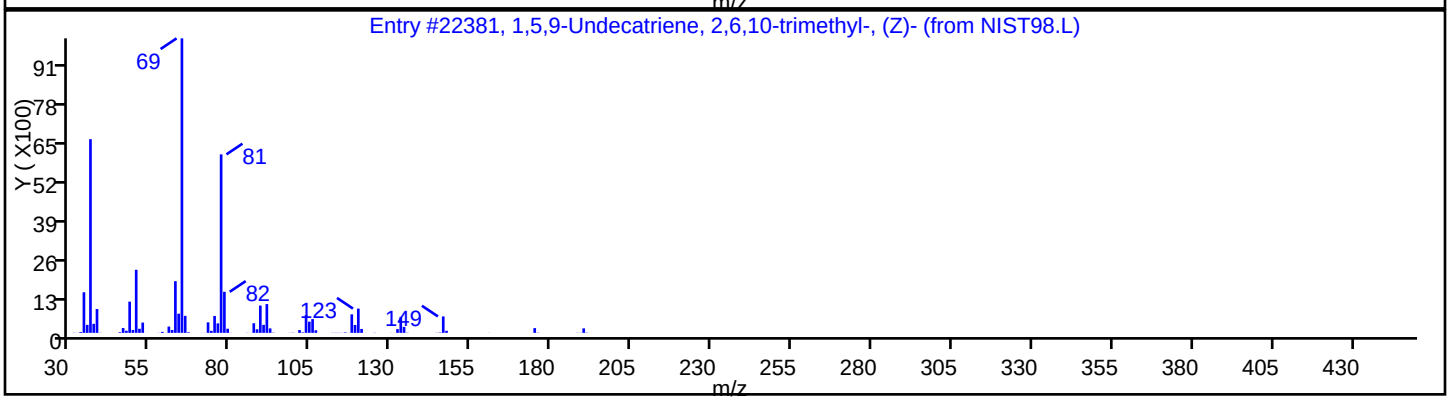
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Squalene	7683-64-9	NIST98.L	114263	94
Docosa-2,6,10,14,18-pentaen-22-al, 2,6,1	1000163-4-7	NIST98.L	23027	87
1,5,9-Undecatriene, 2,6,10-trimethyl-, (	62951-96-6	NIST98.L	22381	81









Report Date: 23-Sep-2009 13:11:08 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10470.D

Inj Date: 22-Sep-2009 08:27:30 Limit Group: SMS - 8270LL SVOA Calibration

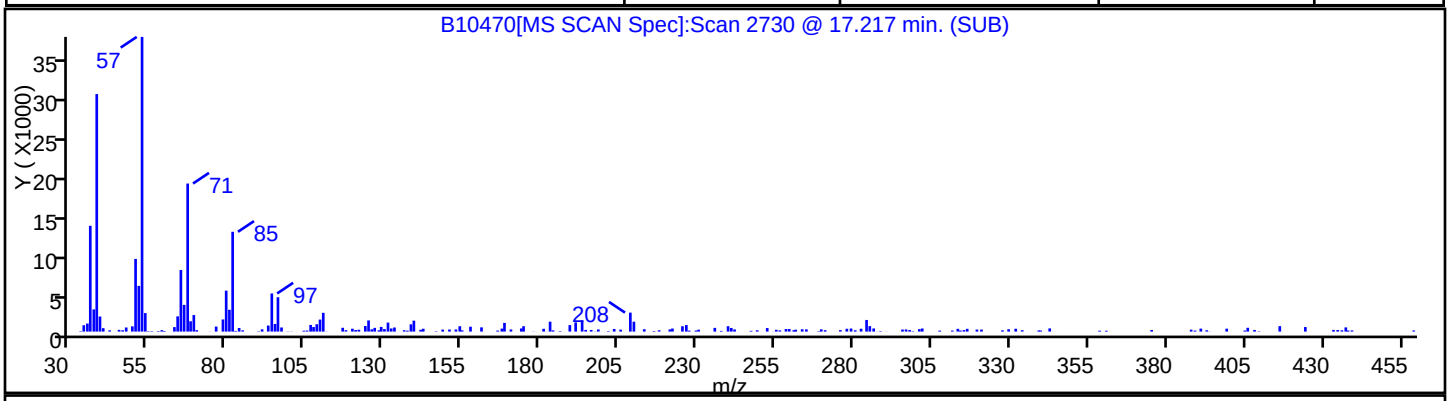
Lims Batch ID: 49266 Lims Sample ID: 33

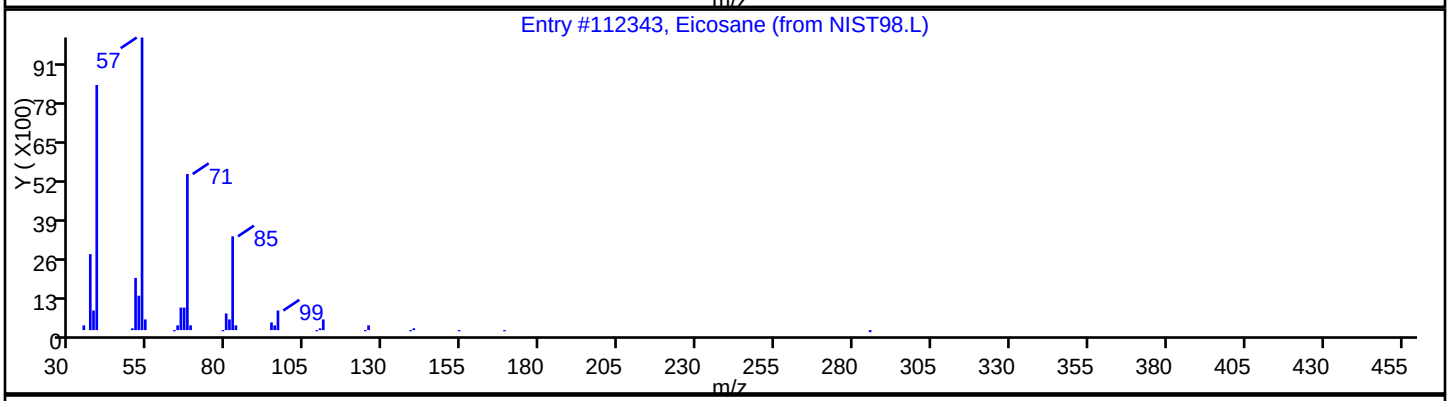
Client ID: OC-SB-464-26/28-XXX Instrument: Inst. B

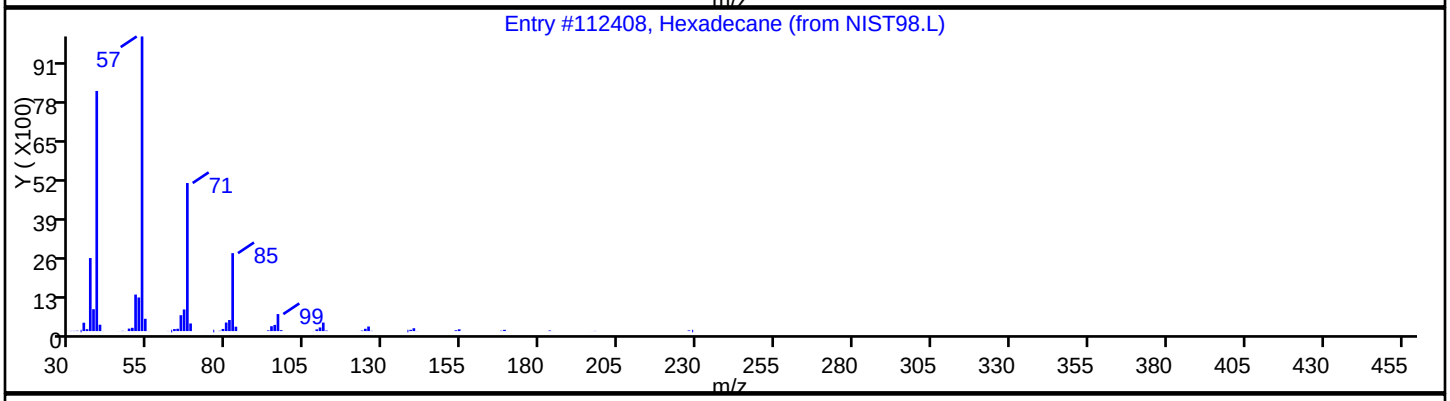
Sample Info: 360-24417-a-5-b

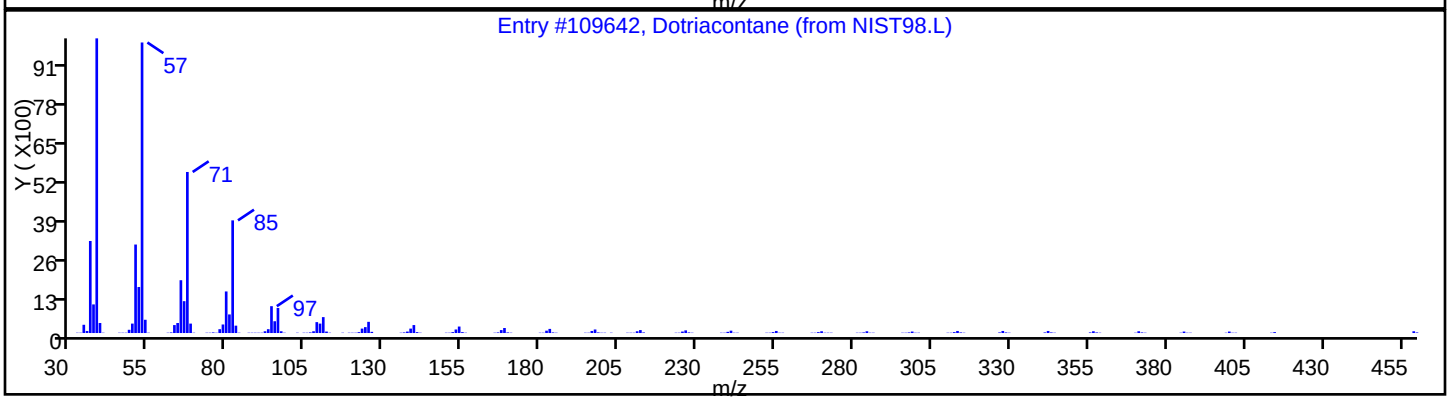
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane	112-95-8	NIST98.L	112343	93
Hexadecane	544-76-3	NIST98.L	112408	93
Dotriacontane	544-85-4	NIST98.L	109642	92









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: OC-SB-465-16/18-XXX | Lab Sample ID: 360-24417-8

Matrix: Solid | Lab File ID: J03059.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 08:25

Extract. Method: 3546 | Date Extracted: 09/14/2009 13:00

Sample wt/vol: 30.21(g) | Date Analyzed: 09/21/2009 23:57

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.: 49260 | Units: ug/Kg

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: OC-SB-465-16/18-XXX | Lab Sample ID: 360-24417-8

Matrix: Solid | Lab File ID: J03059.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 08:25

Extract. Method: 3546 | Date Extracted: 09/14/2009 13:00

Sample wt/vol: 30.21(g) | Date Analyzed: 09/21/2009 23:57

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.: 49260 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		37	11
62-53-3	Aniline	ND		37	11
120-12-7	Anthracene	ND		37	11
1912-24-9	Atrazine	ND		37	11
103-33-3	Azobenzene	ND		37	11
100-52-7	Benzaldehyde	ND		37	11
56-55-3	Benzo[a]anthracene	ND		37	11
50-32-8	Benzo[a]pyrene	ND		37	11
205-99-2	Benzo[b]fluoranthene	ND		37	11
191-24-2	Benzo[g,h,i]perylene	ND		37	11
207-08-9	Benzo[k]fluoranthene	ND		37	11
65-85-0	Benzoic acid	ND		180	16
119-61-9	Benzophenone	ND		37	11
100-51-6	Benzyl alcohol	ND		73	31
111-91-1	Bis(2-chloroethoxy)methane	ND		37	11
111-44-4	Bis(2-chloroethyl)ether	ND		37	11
117-81-7	Bis(2-ethylhexyl) phthalate	41		37	11
85-68-7	Butyl benzyl phthalate	ND		37	11
105-60-2	Caprolactam	ND		37	11
86-74-8	Carbazole	ND		37	11
218-01-9	Chrysene	ND		37	11
53-70-3	Dibenz(a,h)anthracene	ND		37	11
132-64-9	Dibenzofuran	ND		37	11
84-66-2	Diethyl phthalate	ND		37	11
131-11-3	Dimethyl phthalate	ND		37	11
84-74-2	Di-n-butyl phthalate	ND		37	32
117-84-0	Di-n-octyl phthalate	ND		37	18
101-84-8	Diphenyl oxide	ND		37	11
206-44-0	Fluoranthene	ND		37	11
86-73-7	Fluorene	ND		37	11
118-74-1	Hexachlorobenzene	ND		37	11
87-68-3	Hexachlorobutadiene	ND		37	11
77-47-4	Hexachlorocyclopentadiene	ND		73	11
67-72-1	Hexachloroethane	ND		37	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: OC-SB-465-16/18-XXX | Lab Sample ID: 360-24417-8

Matrix: Solid | Lab File ID: J03059.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 08:25

Extract. Method: 3546 | Date Extracted: 09/14/2009 13:00

Sample wt/vol: 30.21(g) | Date Analyzed: 09/21/2009 23:57

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.: 49260 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	ND		37	11
78-59-1	Isophorone	ND		37	11
91-20-3	Naphthalene	ND		88	11
98-95-3	Nitrobenzene	ND		37	11
62-75-9	N-Nitrosodimethylamine	ND		37	13
621-64-7	N-Nitrosodi-n-propylamine	ND		37	11
86-30-6	N-Nitrosodiphenylamine	ND		37	11
87-86-5	Pentachlorophenol	ND		37	11
85-01-8	Phenanthrene	ND		44	11
108-95-2	Phenol	ND		37	11
129-00-0	Pyrene	ND		37	11

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	68	30-130	
321-60-8	2-Fluorobiphenyl	64	30-130	
367-12-4	2-Fluorophenol	71	30-130	
4165-60-0	Nitrobenzene-d5	63	30-130	
4165-62-2	Phenol-d5	72	30-130	
1718-51-0	Terphenyl-d14	79	30-130	

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: OC-SB-465-16/18-XXX Lab Sample ID: 360-24417-8

Matrix: Solid Lab File ID: J03059.D

Analysis Method: 8270C LL Date Collected: 09/02/2009 08:25

Extract. Method: 3546 Date Extracted: 09/14/2009 13:00

Sample wt/vol: 30.21(g) Date Analyzed: 09/21/2009 23:57

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.: 49260 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 32

CAS NO.	COMPOUND NAME	RT	RESULT	Q
10544-50-0	Cyclic octaatomic sulfur	12.00	32	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03059.D		
Lims ID:	360-24417-A-8-C	Client ID:	OC-SB-465-16/18-XXX
Inject. Date:	21-Sep-2009 23:57:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-8-c		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	21
Lims Batch ID:	49260	Lims Sample ID:	21
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 15:19:02	Calib Date:	21-Sep-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	23-Sep-2009 15:19:02

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.301	6.302	-0.001	81836	2.00	
* 2 Naphthalene-d8	136	7.638	7.643	-0.005	205068	2.00	
* 3 Acenaphthene-d10	164	9.369	9.370	-0.001	98713	2.00	
* 4 Phenanthrene-d10	188	10.807	10.808	-0.001	153410	2.00	
* 5 Chrysene-d12	240	13.370	13.371	-0.001	99142	2.00	
* 6 Perylene-d12	264	14.707	14.708	-0.001	77357	2.00	
$ 7 2-Fluorophenol	112	4.493	4.436	0.057	186758	7.13	
$ 8 Phenol-d5	99	5.974	5.965	0.009	219379	7.20	
$ 9 Nitrobenzene-d5	82	6.917	6.917	0.000	100801	3.16	
$ 10 2-Fluorobiphenyl	172	8.734	8.735	-0.001	200770	3.21	
$ 11 2,4,6-Tribromophenol	330	10.139	10.139	0.000	47911	6.84	
$ 12 Terphenyl-d14	244	12.389	12.385	0.004	166462	3.96	
30 Acetophenone	105	6.772	6.768	0.004	1491	0.0438	
46 2-Methylnaphthalene	142	8.359	8.360	-0.001	3988	0.0682	
47 1-Methylnaphthalene	142	8.451	8.451	0.000	6705	0.1171	
61 Acenaphthene	153	9.398	9.399	-0.001	635	0.0118	
64 Dibenzofuran	168	9.571	9.572	-0.001	979	0.0135	
66 Diethyl phthalate	149	9.845	9.846	-0.001	1343	0.0225	
80 Phenanthrene	178	10.826	10.827	-0.001	2514	0.0324	
84 Di-n-butyl phthalate	149	11.447	11.447	0.000	24293	0.3166	
89 Butyl benzyl phthalate	149	12.894	12.895	-0.001	1265	0.1576	
92 Bis(2-ethylhexyl) phthalate	149	13.481	13.481	0.000	49106	1.12	
97 Benzo[b]fluoranthene	252	14.366	14.366	0.000	1435	0.0302	
99 Benzo[a]pyrene	252	14.654	14.659	-0.005	1487	0.1591	
100 Indeno[1,2,3-cd]pyrene	276	15.611	15.616	-0.005	771	0.1217	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03059.D		
Lims ID:	360-24417-A-8-C	Client ID:	OC-SB-465-16/18-XXX
Inject. Date:	21-Sep-2009 23:57:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-8-c		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	21
Lims Batch ID:	49260	Lims Sample ID:	21
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 15:19:02	Calib Date:	21-Sep-2009 18:59:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	23-Sep-2009 15:19:02

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

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
1,2-Diphenylhydrazine	10.139	988	0.0105	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
10544-50-0 Cyclic octaatomic sulfur						
11.995	190402	0.8625	4	94	20663	

Quantitation Compounds

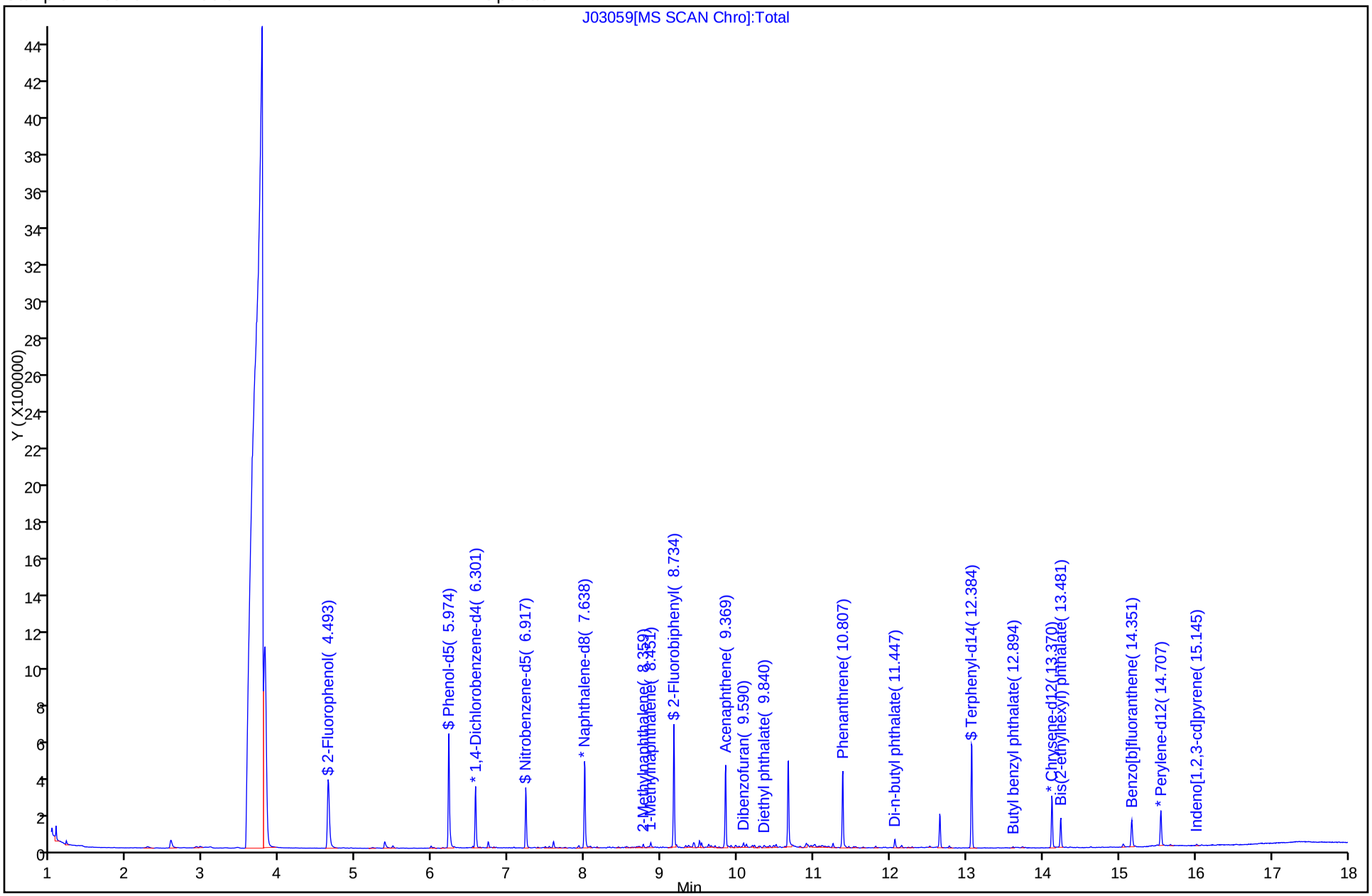
Compound	RT	Response	Amount ug/mL
* 4 Phenanthrene-d10	10.807	441512	2.00

QC Flag Legend

Processing Flags

Report Date: 23-Sep-2009 15:19:03 Chrom Revision: 1.1 20-Sep-2009 21:03:36

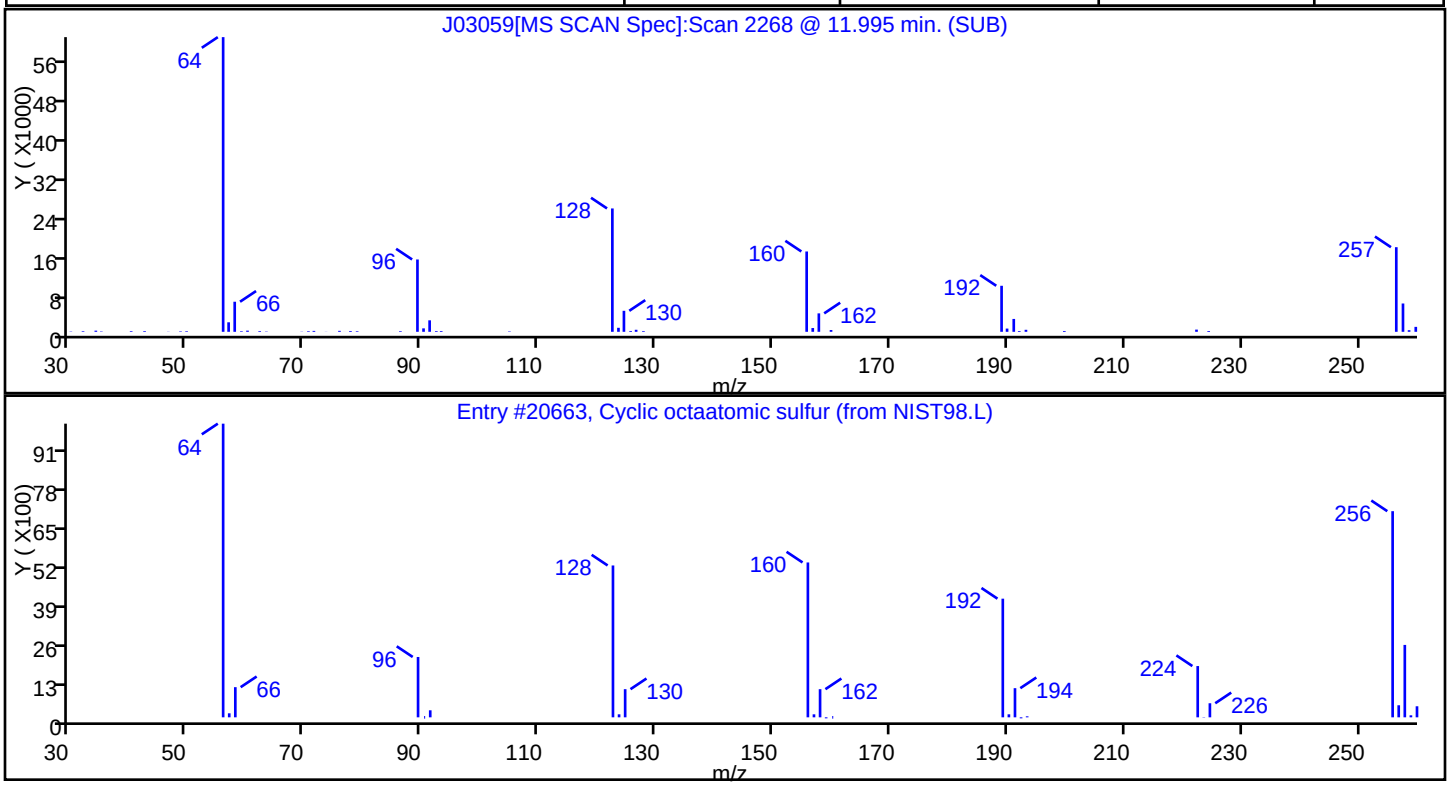
Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03059.D		
Inj Date:	21-Sep-2009 23:57:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49260	Lims Sample ID:	21
Client ID:	OC-SB-465-16/18-XXX	Instrument:	Inst. J
Sample Info:	360-24417-a-8-c		
Sample Amount:	1.00 ul	Operator:	



Report Date: 23-Sep-2009 15:19:04 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03059.D		
Inj Date:	21-Sep-2009 23:57:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49260	Lims Sample ID:	21
Client ID:	OC-SB-465-16/18-XXX	Instrument:	Inst. J
Sample Info:	360-24417-a-8-c		
Sample Amount:	1.00 ul	Operator:	

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclic octaatomic sulfur	10544-50-0	NIST98.L	20663	94



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: OC-SB-468-31/33-XXX | Lab Sample ID: 360-24417-12

Matrix: Solid | Lab File ID: B10473.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 11:00

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

Sample wt/vol: 30.28(g) | Date Analyzed: 09/22/2009 09:59

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

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

% Moisture: 7.4 | GPC Cleanup:(Y/N) N

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

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: OC-SB-468-31/33-XXX | Lab Sample ID: 360-24417-12

Matrix: Solid | Lab File ID: B10473.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 11:00

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

Sample wt/vol: 30.28(g) | Date Analyzed: 09/22/2009 09:59

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

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

% Moisture: 7.4 | GPC Cleanup:(Y/N) N

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

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: OC-SB-468-31/33-XXX | Lab Sample ID: 360-24417-12

Matrix: Solid | Lab File ID: B10473.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 11:00

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

Sample wt/vol: 30.28(g) | Date Analyzed: 09/22/2009 09:59

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

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

% Moisture: 7.4 | GPC Cleanup:(Y/N) N

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

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

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	53	30-130	
321-60-8	2-Fluorobiphenyl	61	30-130	
367-12-4	2-Fluorophenol	74	30-130	
4165-60-0	Nitrobenzene-d5	68	30-130	
4165-62-2	Phenol-d5	71	30-130	
1718-51-0	Terphenyl-d14	68	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: OC-SB-468-31/33-XXX | Lab Sample ID: 360-24417-12

Matrix: Solid | Lab File ID: B10473.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 11:00

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

Sample wt/vol: 30.28(g) | Date Analyzed: 09/22/2009 09:59

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

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

% Moisture: 7.4 | GPC Cleanup:(Y/N) N

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

Number TICs Found: 10 | TIC Result Total: 288.6

CAS NO.	COMPOUND NAME	RT	RESULT	Q
5129-60-2	Pentadecanoic acid, 14-methyl-, methyl e	12.02	7.6	T J N
112-61-8	Octadecanoic acid, methyl ester	12.81	20	T J N
1928-30-9	Tricosane, 2-methyl-	14.25	25	T J N
638-67-5	Tricosane	14.98	33	T J N
629-97-0	Docosane	15.61	43	T J N
593-49-7	Heptacosane	16.12	48	T J N
630-2-4	Octacosane	16.64	47	T J N
7683-64-9	Squalene	16.78	19	T J N
112-95-8	Eicosane	17.22	32	T J N
112-95-8	Eicosane	18.59	14	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10473.D		
Lims ID:	360-24417-A-12-A	Client ID:	OC-SB-468-31/33-XXX
Inject. Date:	22-Sep-2009 09:59:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-12-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	36
Lims Batch ID:	49266	Lims Sample ID:	36
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	23-Sep-2009 13:19:43	Calib Date:	21-Sep-2009 19:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 13:20:37

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	7.902	7.900	0.002	426886	2.00	
* 2 Naphthalene-d8	136	9.032	9.030	0.002	1029180	2.00	
* 3 Acenaphthene-d10	164	10.537	10.535	0.002	519614	2.00	
* 4 Phenanthrene-d10	188	11.802	11.800	0.002	876437	2.00	
* 5 Chrysene-d12	240	15.403	15.397	0.006	497012	2.00	
* 6 Perylene-d12	264	17.851	17.840	0.011	295828	2.00	
$ 7 2-Fluorophenol	112	6.666	6.630	0.036	888300	7.39	
$ 8 Phenol-d5	99	7.536	7.520	0.016	977535	7.07	
$ 9 Nitrobenzene-d5	82	8.392	8.390	0.002	448270	3.40	
$ 10 2-Fluorobiphenyl	172	9.926	9.924	0.002	1042938	3.04	
$ 11 2,4,6-Tribromophenol	330	11.205	11.204	0.001	167297	5.25	
$ 12 Terphenyl-d14	244	13.432	13.425	0.007	804540	3.40	
30 Acetophenone	105	8.248	8.246	0.002	23196	0.1405	
46 2-Methylnaphthalene	142	9.638	9.636	0.002	4570	0.0175	
47 1-Methylnaphthalene	142	9.729	9.727	0.002	3892	0.0153	
52 1,1'-Biphenyl	154	10.022	10.021	0.001	9234	0.0253	
54 Phenyl ether	170	10.099	10.102	-0.003	7487	0.0450	
61 Acenaphthene	153	10.566	10.564	0.002	42998	0.1409	
64 Dibenzofuran	168	10.705	10.703	0.002	55280	0.1393	
66 Diethyl phthalate	149	10.826	10.824	0.002	4087	0.0125	
69 Fluorene	166	10.999	10.997	0.002	33821	0.1013	
80 Phenanthrene	178	11.826	11.824	0.002	120048	0.2645	
81 Anthracene	178	11.869	11.867	0.002	11462	0.0270	
84 Di-n-butyl phthalate	149	12.206	12.204	0.002	53950	0.1009	
87 Fluoranthene	202	13.004	13.002	0.002	67009	0.1708	
85 Pyrene	202	13.307	13.305	0.002	43921	0.1088	
92 Bis(2-ethylhexyl) phthalate	149	15.283	15.281	0.002	26180	0.1674	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10473.D		
Lims ID:	360-24417-A-12-A	Client ID:	OC-SB-468-31/33-XXX
Inject. Date:	22-Sep-2009 09:59:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-12-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	36
Lims Batch ID:	49266	Lims Sample ID:	36
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	23-Sep-2009 13:19:43	Calib Date:	21-Sep-2009 19:31:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 13:20:37

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

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
1,2-Diphenylhydrazine	11.071	7471	0.0143	
Alpha-Terpineol	9.013	1343	0.0125	
Benzidine	13.100	625	0.1979	
Pentachloronitrobenzene	11.638	55	0.0841	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
141-79-7 3-Penten-2-one, 4-methyl-						
5.810	337428	0.3726	1	93	116425	
98-83-9 .alpha.-Methylstyrene						
7.632	408924	0.4516	1	95	120636	
128-37-0 Butylated Hydroxytoluene						
10.479	915489	0.8041	3	96	126413	
27193-28-8 Phenol, (1,1,3,3-tetramethylbutyl)-						
10.936	671553	0.5899	3	95	61171	
3910-35-8 1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3						
11.431	1094427	0.7995	4	97	126944	
1000111-58-0 2,4-Diphenyl-4-methyl-1(E)-pentene						
11.730	433548	0.3167	4	91	53202	
5129-60-2 Pentadecanoic acid, 14-methyl-, methyl e						
12.023	292348	0.2136	4	94	28400	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
112-61-8	Octadecanoic acid, methyl ester					
12.807	763033	0.5574	4	95	115467	
1928-30-9	Tricosane, 2-methyl-					
14.254	508532	0.6987	5	96	5616	
638-67-5	Tricosane					
14.980	668216	0.9181	5	97	109661	
629-97-0	Docosane					
15.610	872259	1.20	5	98	109660	
593-49-7	Heptacosane					
16.120	984786	1.35	5	98	112354	
630-2-4	Octacosane					
16.644	908529	1.31	6	99	112312	
7683-64-9	Squalene					
16.779	379907	0.5458	6	93	114263	
112-95-8	Eicosane					
17.216	627652	0.9017	6	94	109630	
112-95-8	Eicosane					
18.587	275657	0.3960	6	93	112343	

Quantitation Compounds

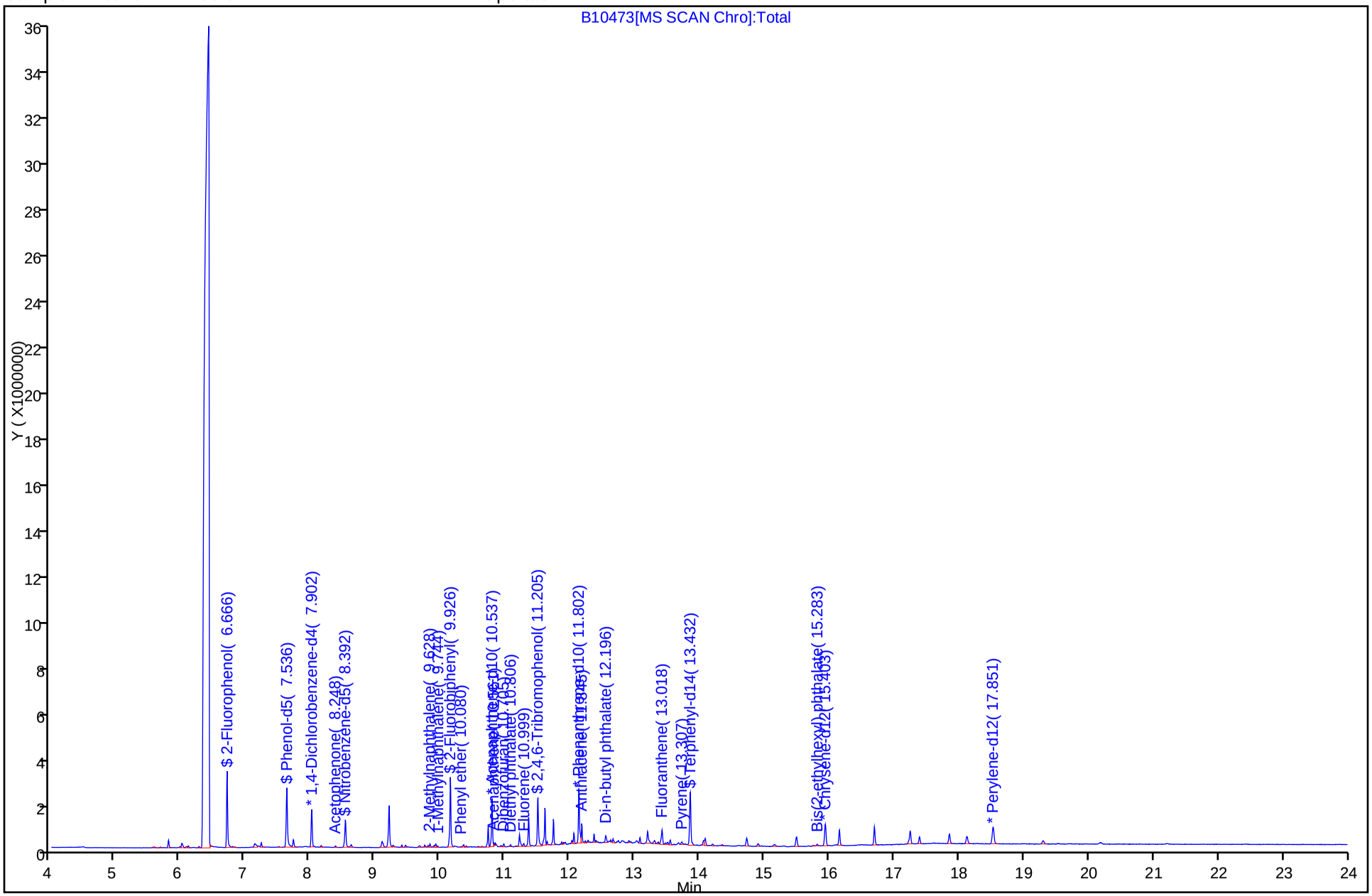
Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	7.902	1811082	2.00
* 3 Acenaphthene-d10	10.537	2276917	2.00
* 4 Phenanthrene-d10	11.802	2737868	2.00
* 5 Chrysene-d12	15.403	1455676	2.00
* 6 Perylene-d12	17.851	1392210	2.00

QC Flag Legend

Processing Flags

Report Date: 23-Sep-2009 13:20:38 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10473.D		
Inj Date:	22-Sep-2009 09:59:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	36
Client ID:	OC-SB-468-31/33-XXX	Instrument:	Inst. B
Sample Info:	360-24417-a-12-a		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 23-Sep-2009 13:20:41 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10473.D

Inj Date: 22-Sep-2009 09:59:30 Limit Group: SMS - 8270LL SVOA Calibration

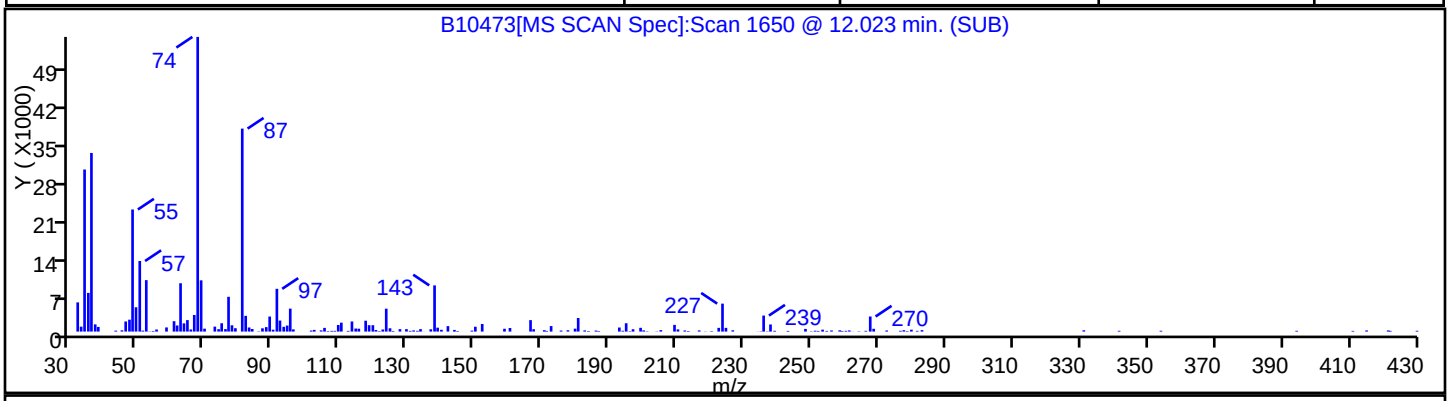
Lims Batch ID: 49266 Lims Sample ID: 36

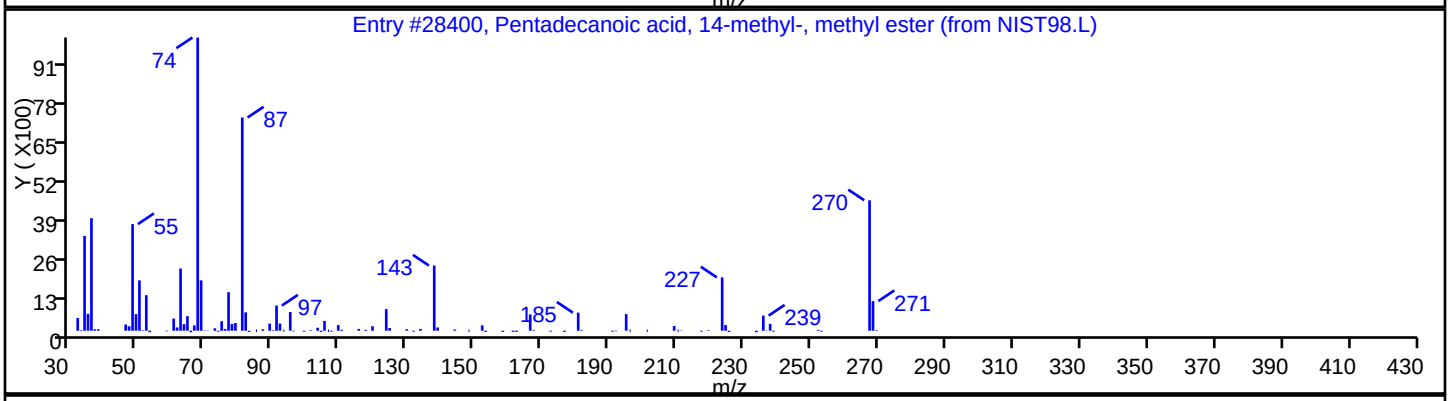
Client ID: OC-SB-468-31/33-XXX Instrument: Inst. B

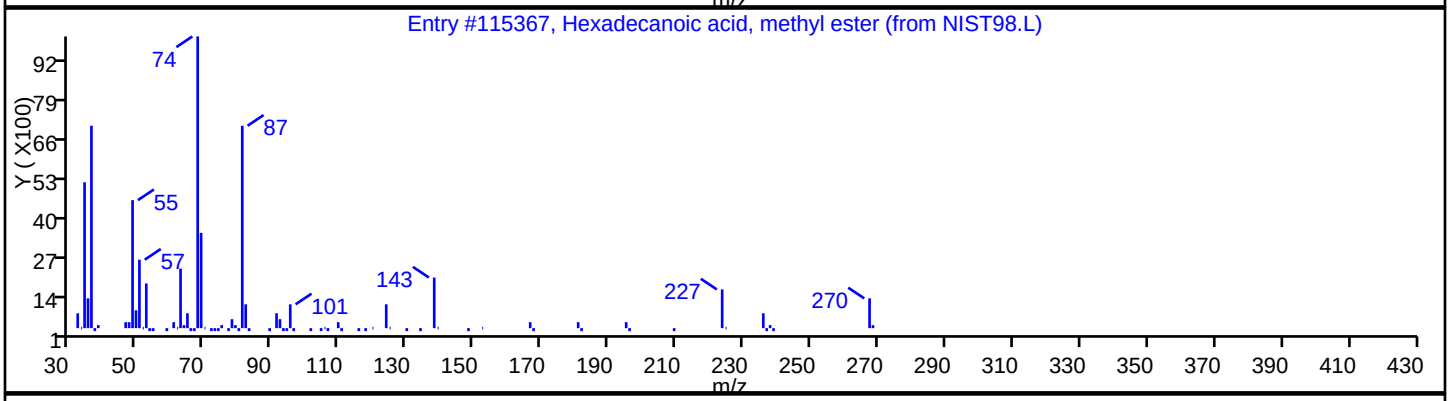
Sample Info: 360-24417-a-12-a

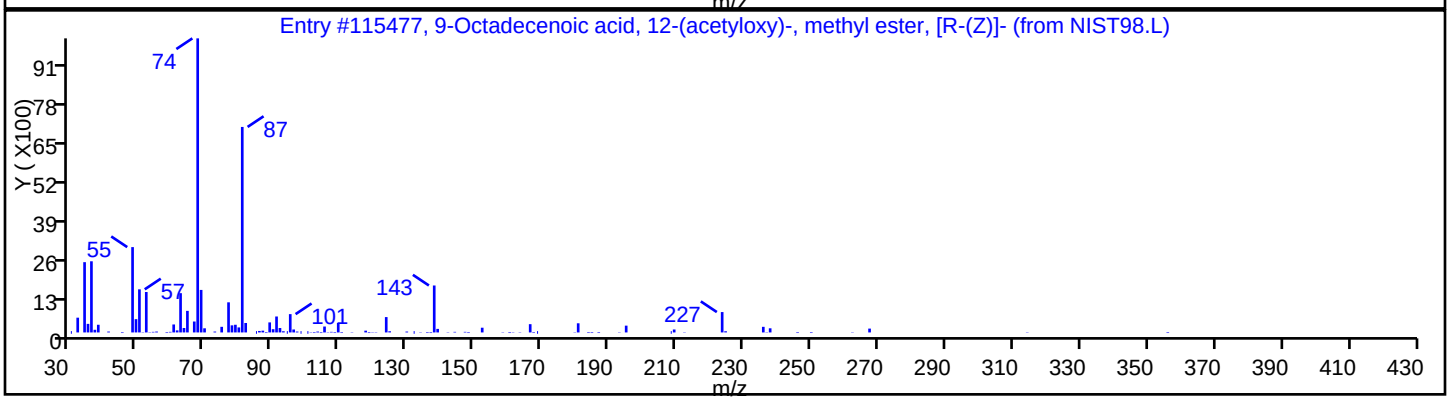
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Pentadecanoic acid, 14-methyl-, methyl e	5129-60-2	NIST98.L	28400	94
Hexadecanoic acid, methyl ester	112-39-0	NIST98.L	115367	93
9-Octadecenoic acid, 12-(acetyloxy)-, me	140-3-4	NIST98.L	115477	90









Report Date: 23-Sep-2009 13:20:41 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10473.D

Inj Date: 22-Sep-2009 09:59:30 Limit Group: SMS - 8270LL SVOA Calibration

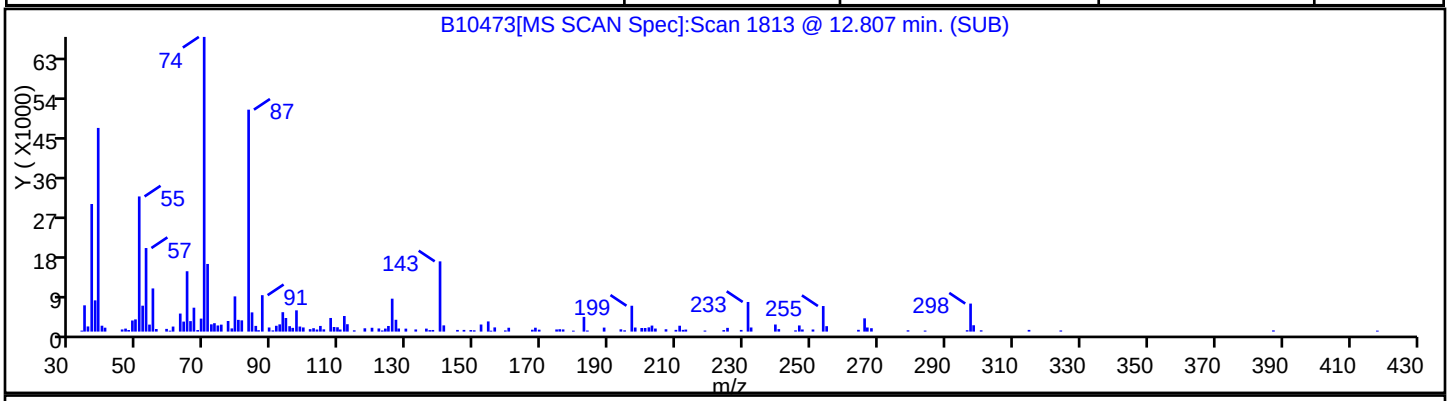
Lims Batch ID: 49266 Lims Sample ID: 36

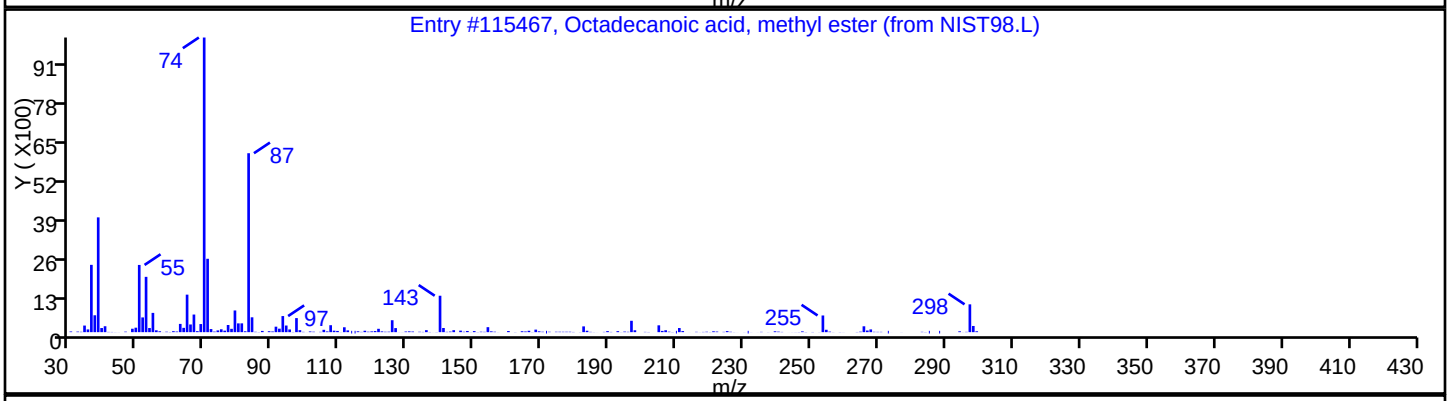
Client ID: OC-SB-468-31/33-XXX Instrument: Inst. B

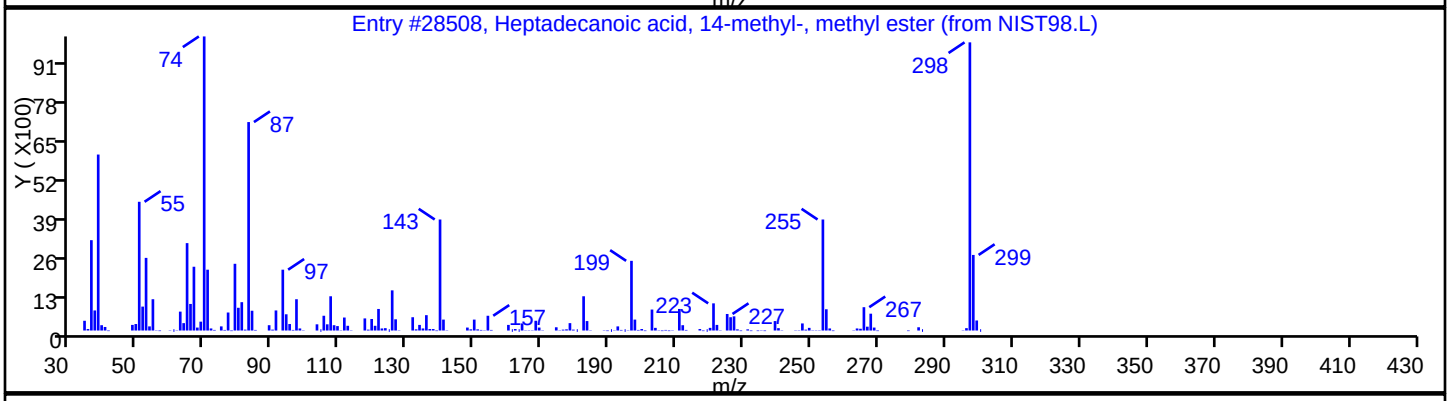
Sample Info: 360-24417-a-12-a

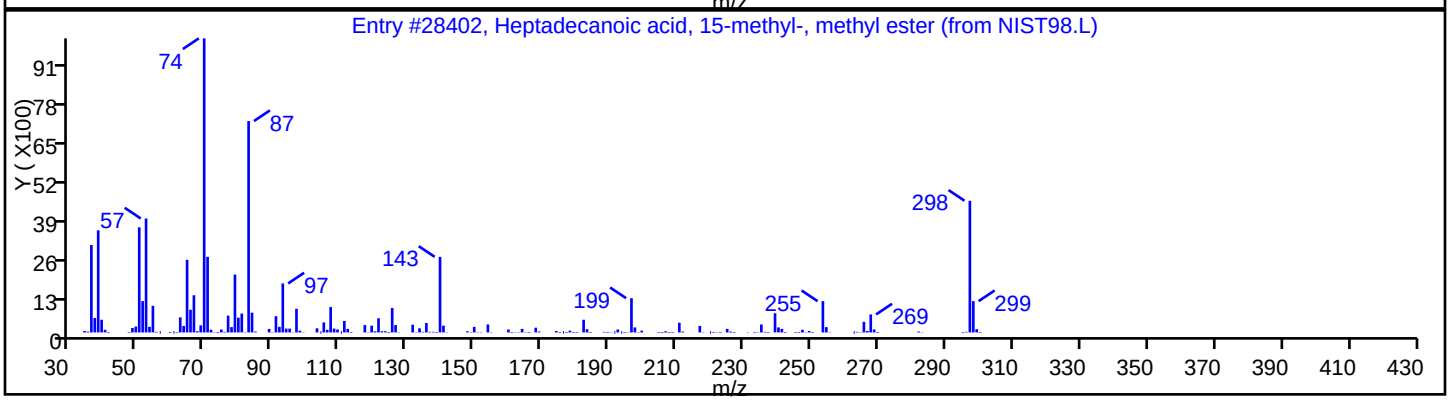
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecanoic acid, methyl ester	112-61-8	NIST98.L	115467	95
Heptadecanoic acid, 14-methyl-, methyl e	2490-23-5	NIST98.L	28508	90
Heptadecanoic acid, 15-methyl-, methyl e	54833-55-5	NIST98.L	28402	90









Report Date: 23-Sep-2009 13:20:41 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10473.D

Inj Date: 22-Sep-2009 09:59:30 Limit Group: SMS - 8270LL SVOA Calibration

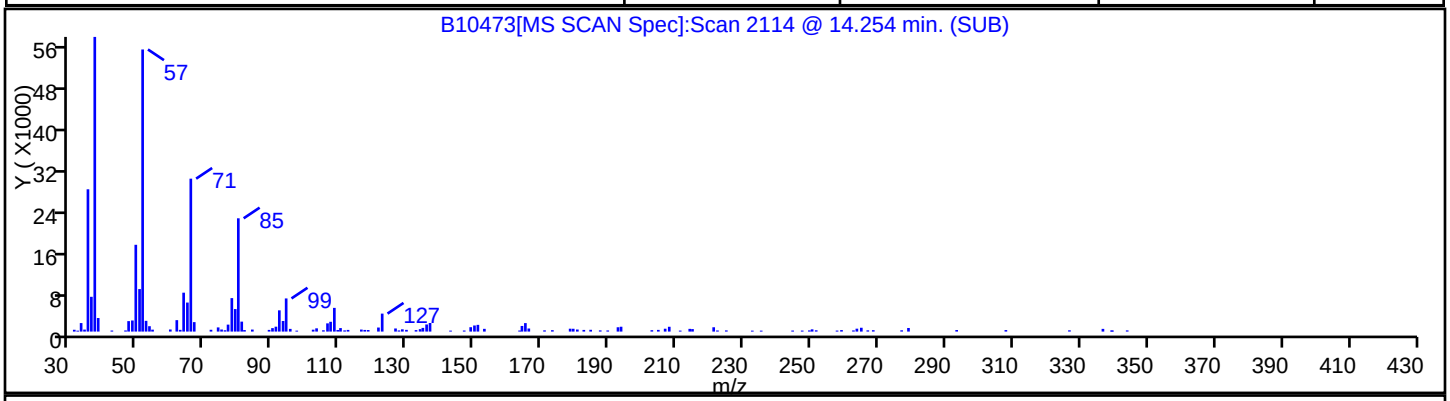
Lims Batch ID: 49266 Lims Sample ID: 36

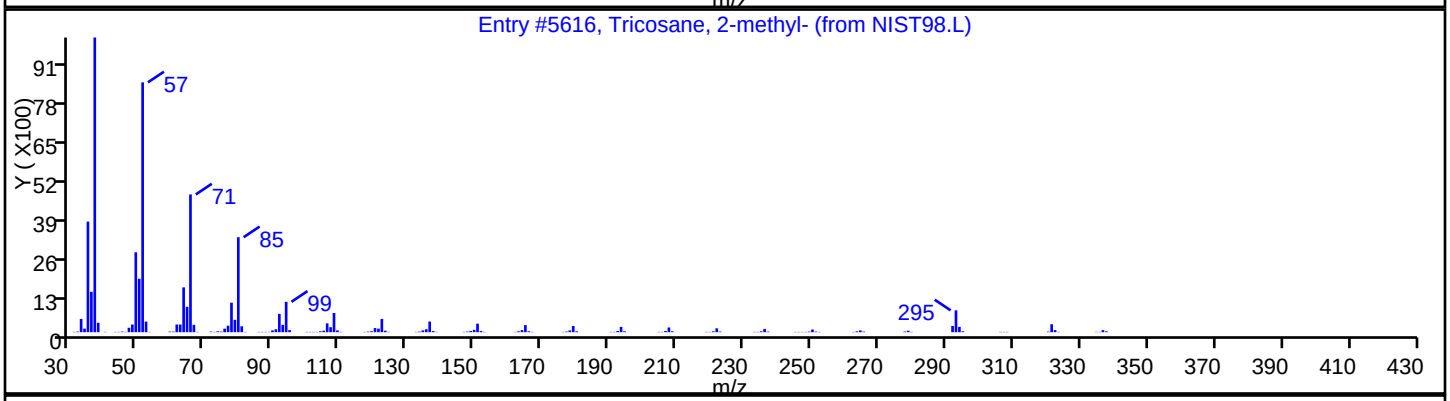
Client ID: OC-SB-468-31/33-XXX Instrument: Inst. B

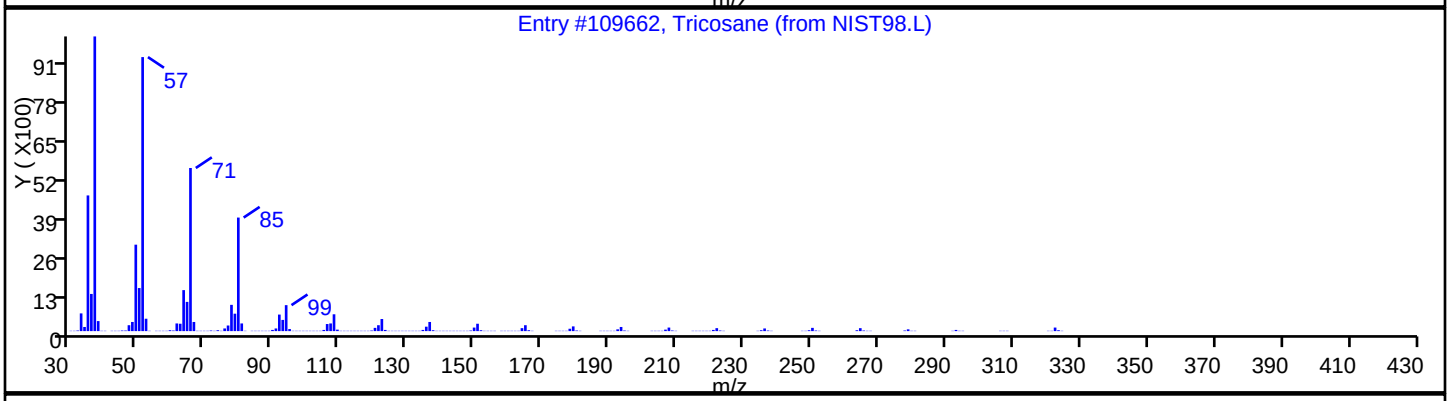
Sample Info: 360-24417-a-12-a

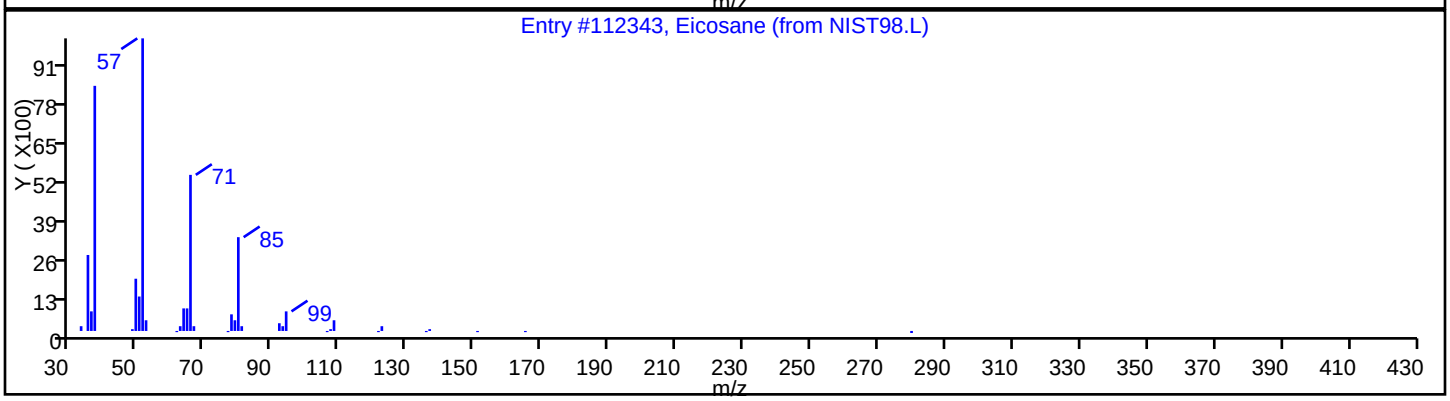
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tricosane, 2-methyl-	1928-30-9	NIST98.L	5616	96
Tricosane	638-67-5	NIST98.L	109662	90
Eicosane	112-95-8	NIST98.L	112343	90









Report Date: 23-Sep-2009 13:20:41 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10473.D

Inj Date: 22-Sep-2009 09:59:30 Limit Group: SMS - 8270LL SVOA Calibration

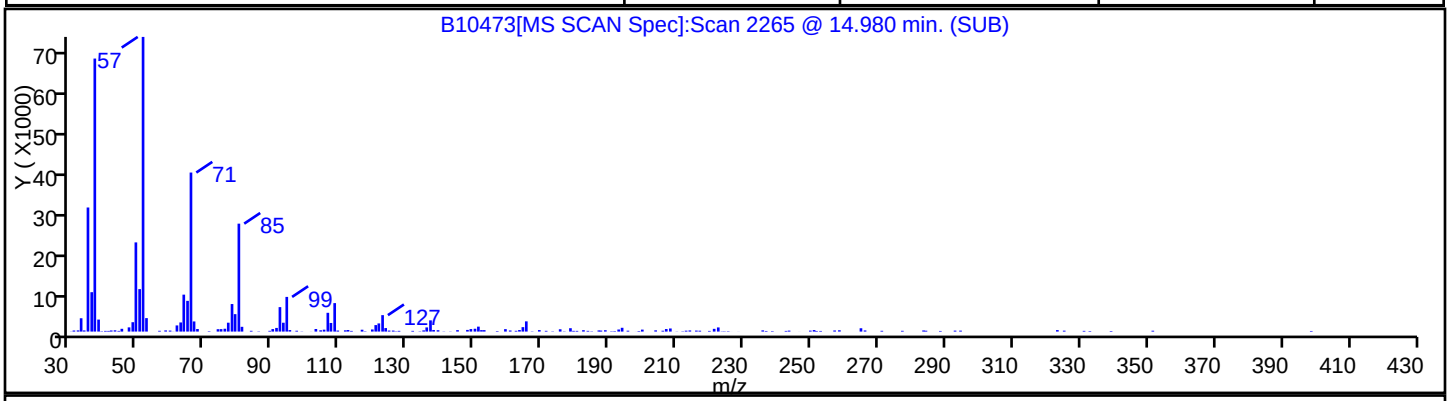
Lims Batch ID: 49266 Lims Sample ID: 36

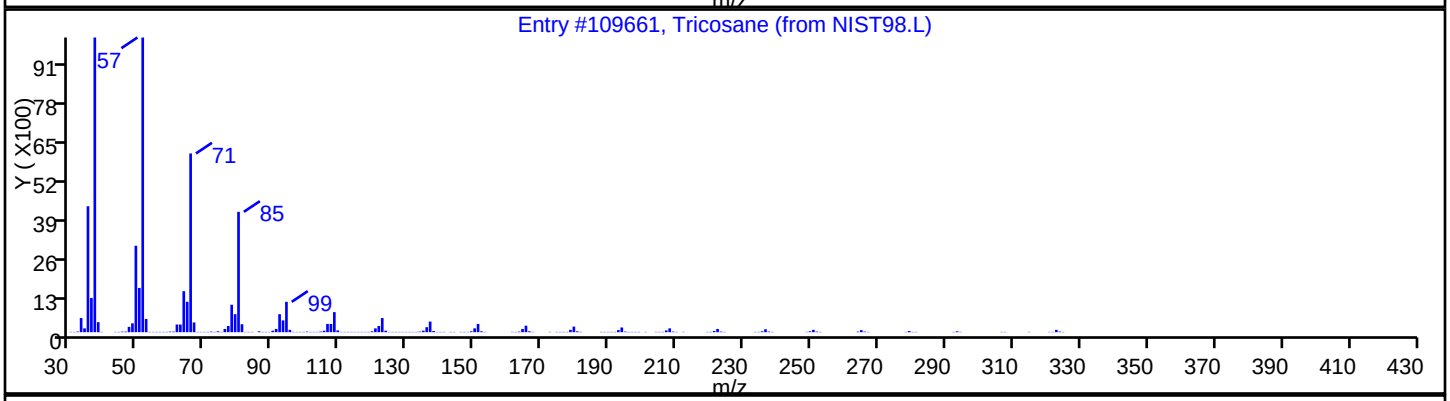
Client ID: OC-SB-468-31/33-XXX Instrument: Inst. B

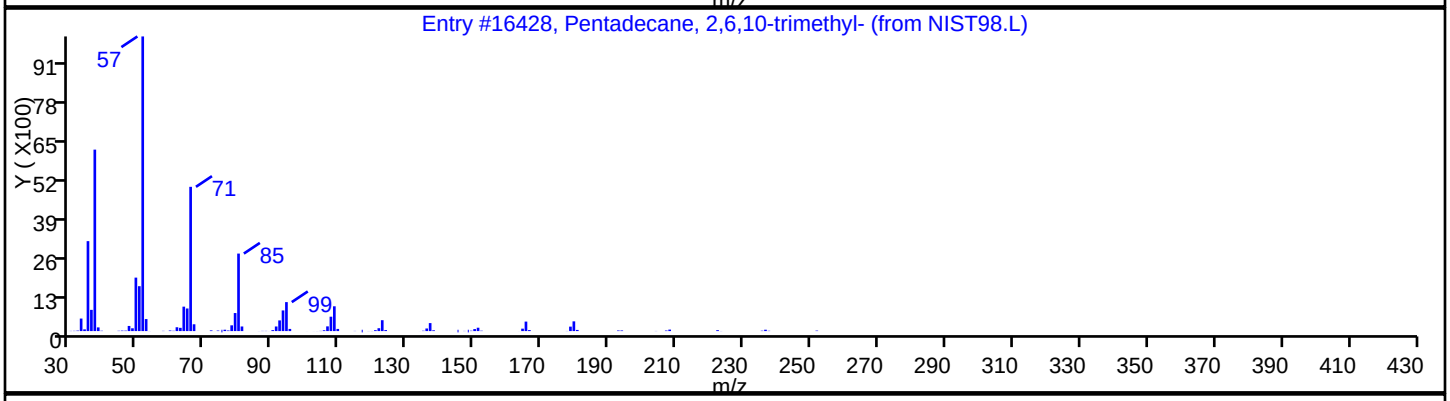
Sample Info: 360-24417-a-12-a

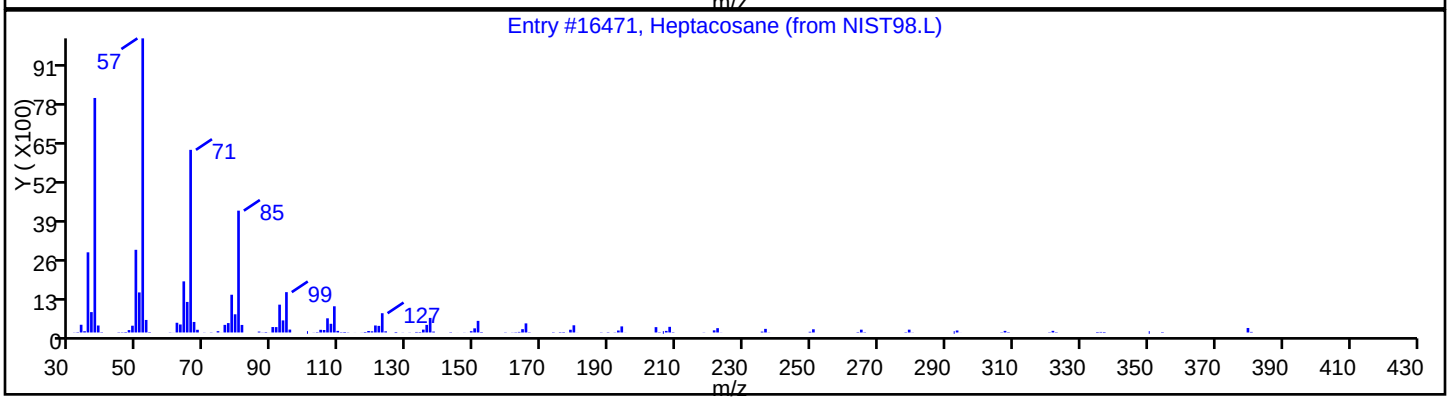
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tricosane	638-67-5	NIST98.L	109661	97
Pentadecane, 2,6,10-trimethyl-	3892-0-0	NIST98.L	16428	94
Heptacosane	593-49-7	NIST98.L	16471	91









Report Date: 23-Sep-2009 13:20:41 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10473.D

Inj Date: 22-Sep-2009 09:59:30 Limit Group: SMS - 8270LL SVOA Calibration

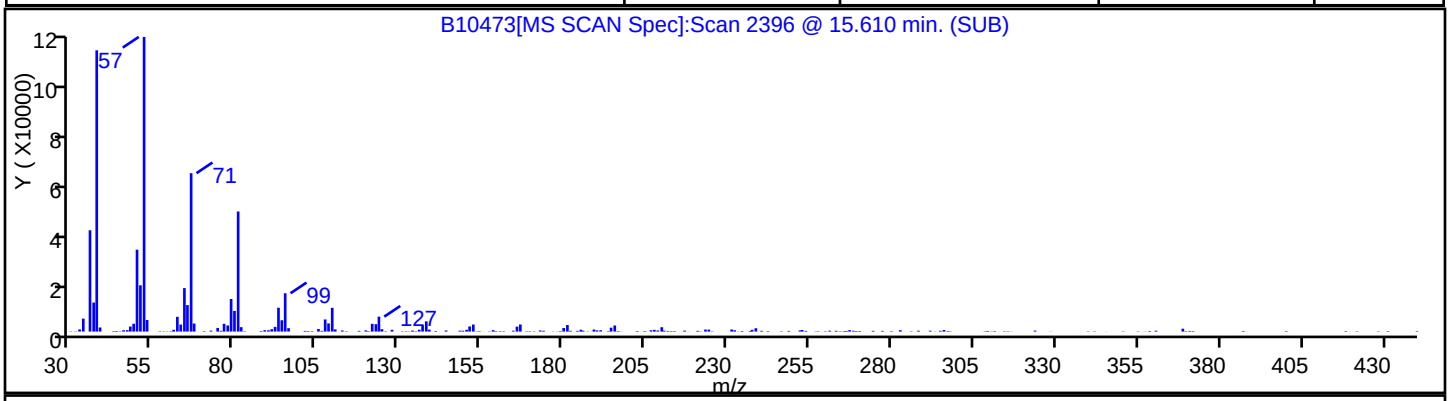
Lims Batch ID: 49266 Lims Sample ID: 36

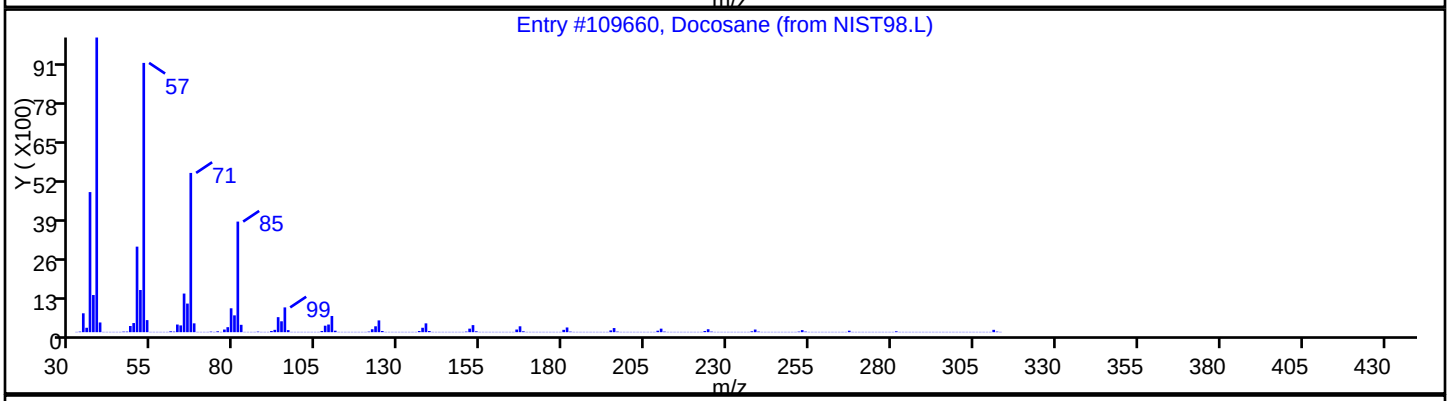
Client ID: OC-SB-468-31/33-XXX Instrument: Inst. B

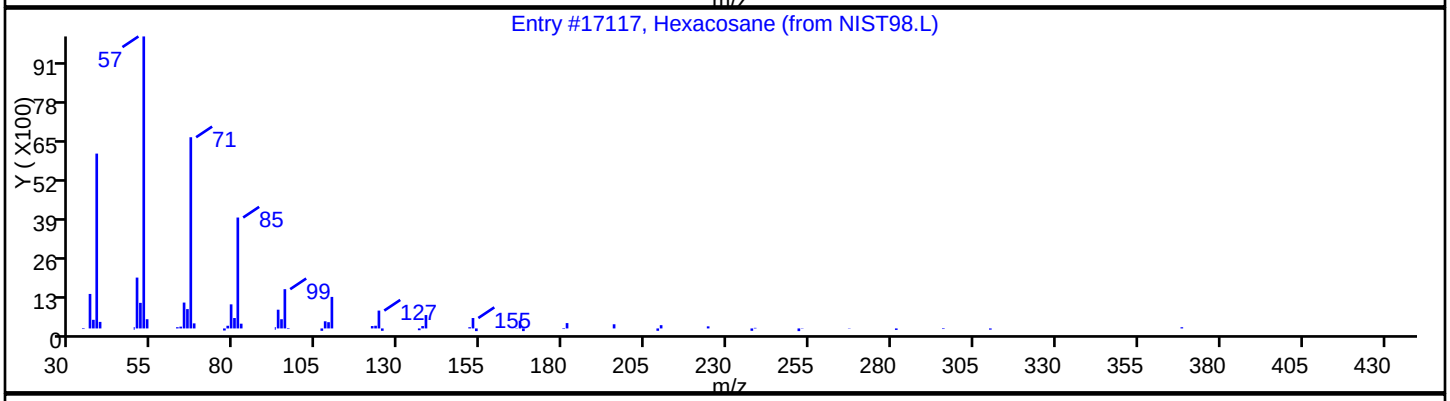
Sample Info: 360-24417-a-12-a

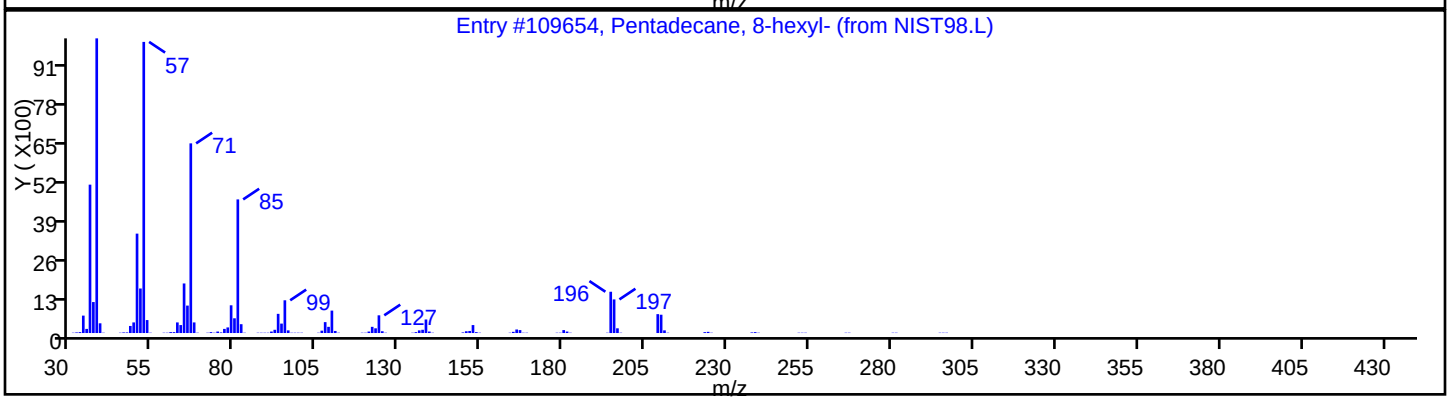
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Docosane	629-97-0	NIST98.L	109660	98
Hexacosane	630-1-3	NIST98.L	17117	96
Pentadecane, 8-hexyl-	13475-75-7	NIST98.L	109654	94









Report Date: 23-Sep-2009 13:20:41 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10473.D

Inj Date: 22-Sep-2009 09:59:30 Limit Group: SMS - 8270LL SVOA Calibration

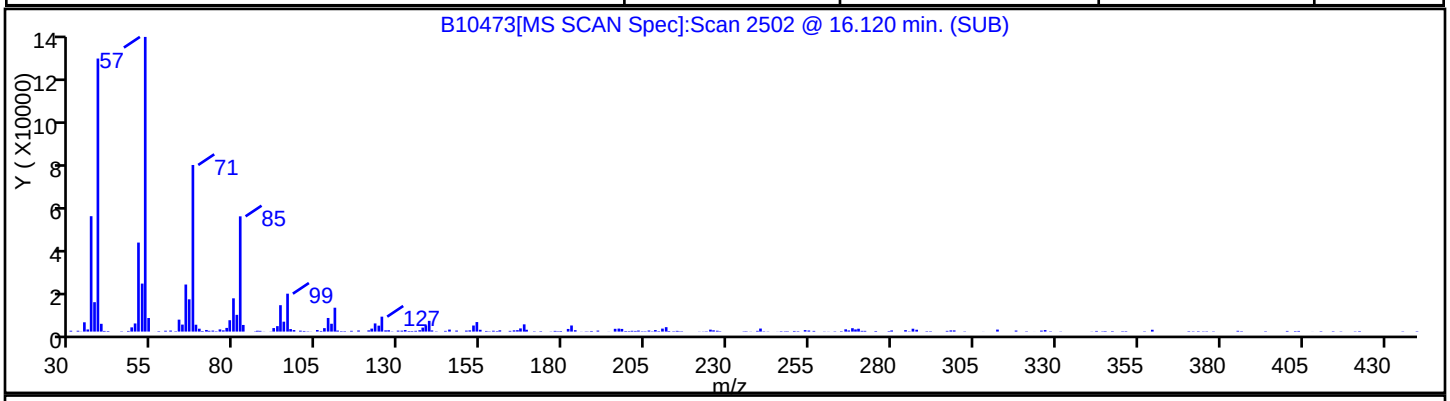
Lims Batch ID: 49266 Lims Sample ID: 36

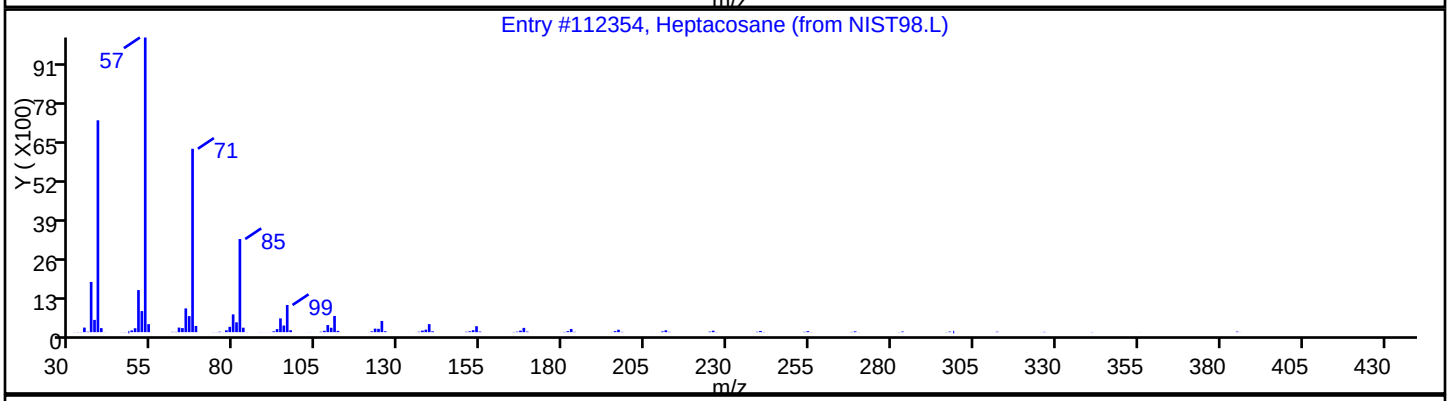
Client ID: OC-SB-468-31/33-XXX Instrument: Inst. B

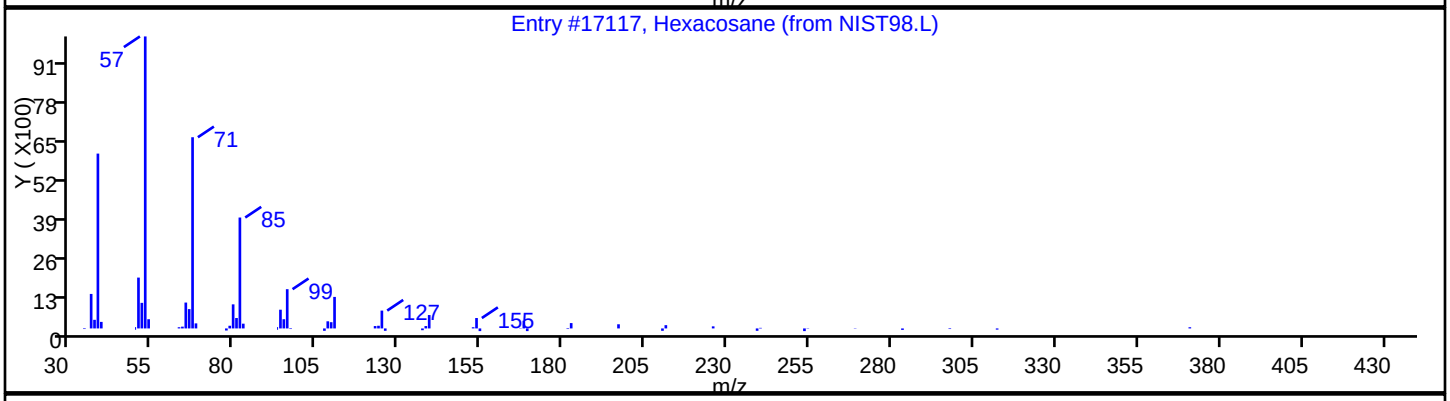
Sample Info: 360-24417-a-12-a

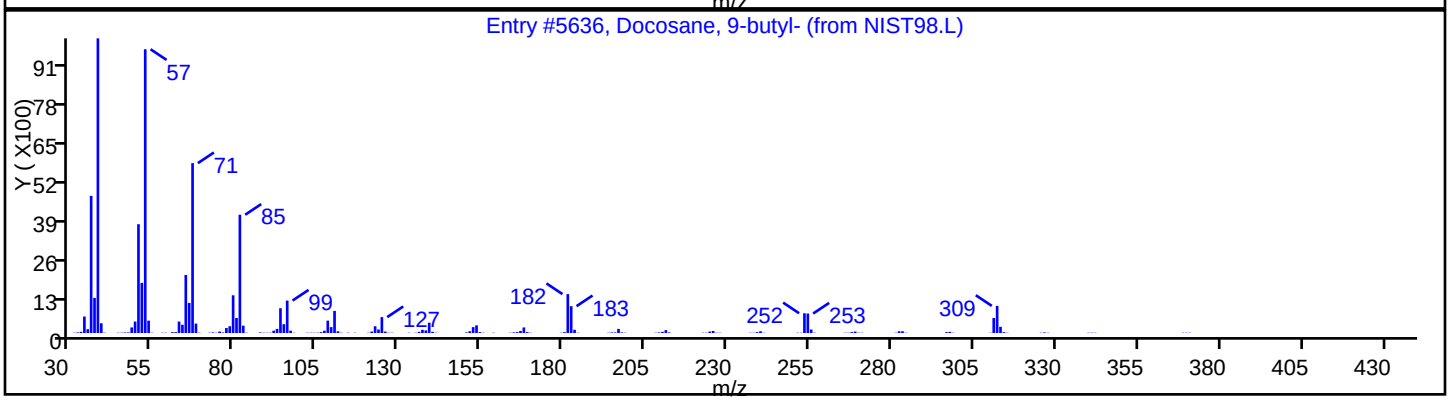
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptacosane	593-49-7	NIST98.L	112354	98
Hexacosane	630-1-3	NIST98.L	17117	95
Docosane, 9-butyl-	55282-14-9	NIST98.L	5636	94









Report Date: 23-Sep-2009 13:20:41 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10473.D

Inj Date: 22-Sep-2009 09:59:30 Limit Group: SMS - 8270LL SVOA Calibration

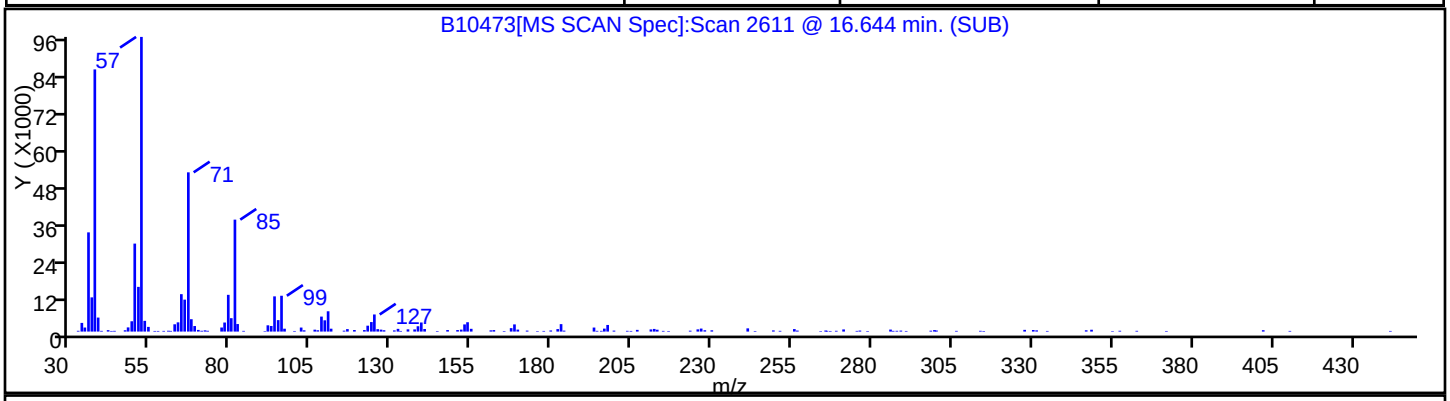
Lims Batch ID: 49266 Lims Sample ID: 36

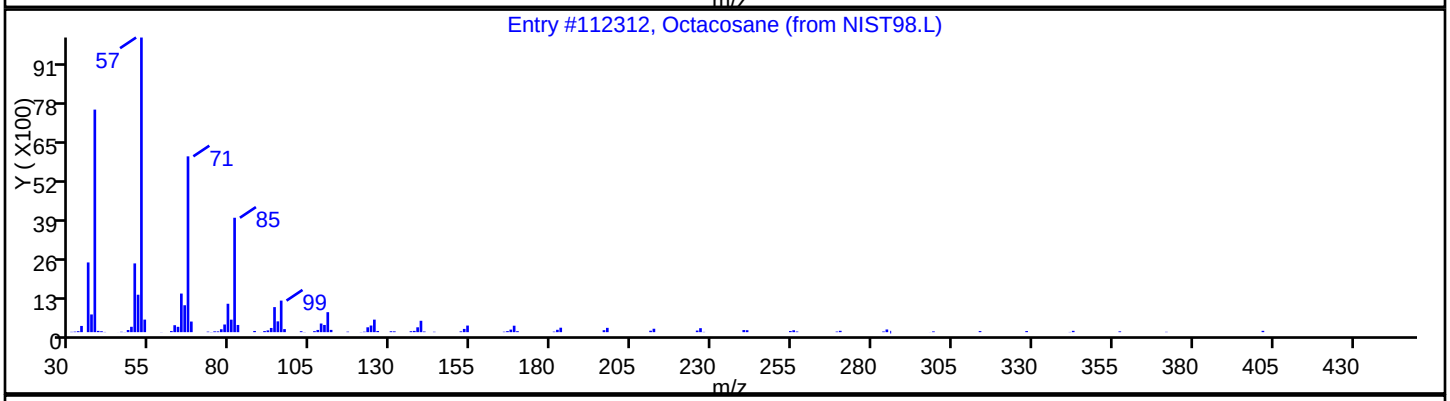
Client ID: OC-SB-468-31/33-XXX Instrument: Inst. B

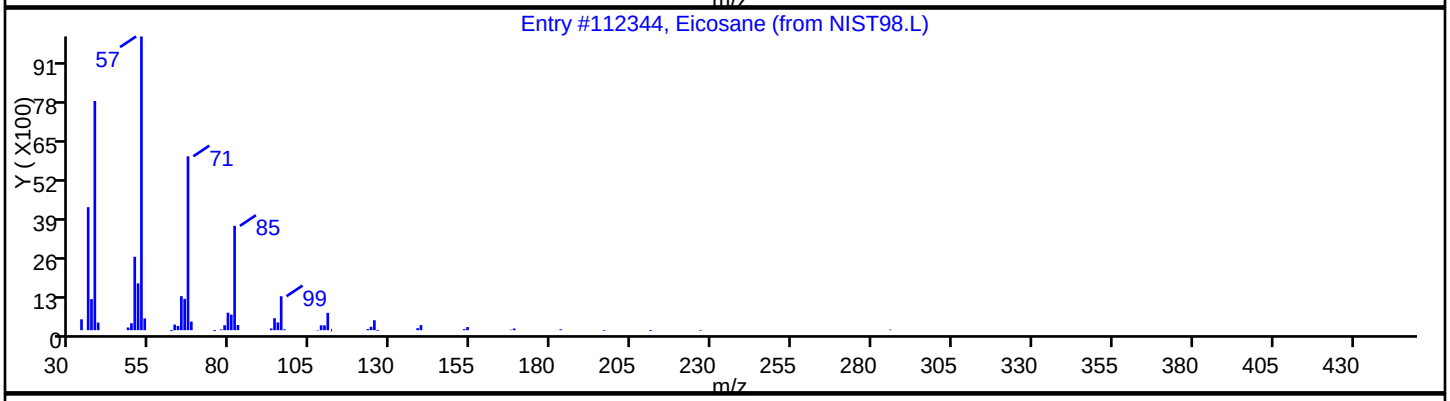
Sample Info: 360-24417-a-12-a

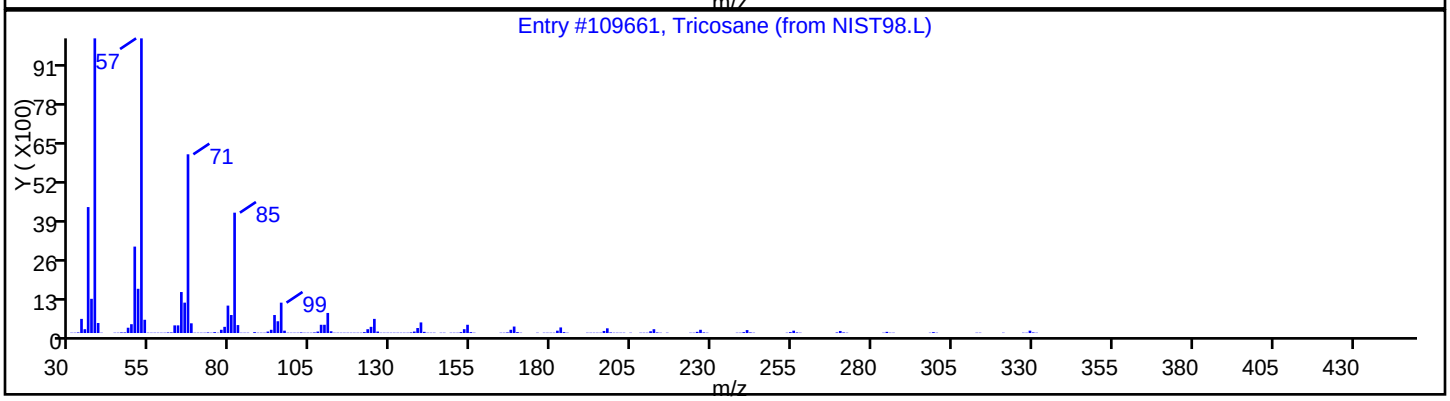
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octacosane	630-2-4	NIST98.L	112312	99
Eicosane	112-95-8	NIST98.L	112344	97
Tricosane	638-67-5	NIST98.L	109661	96









Report Date: 23-Sep-2009 13:20:41 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10473.D

Inj Date: 22-Sep-2009 09:59:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49266 Lims Sample ID: 36

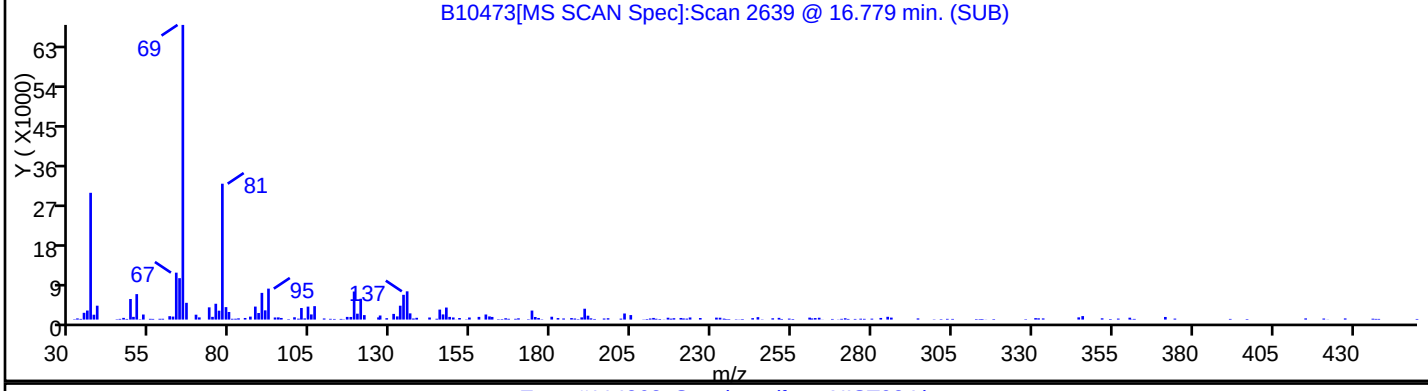
Client ID: OC-SB-468-31/33-XXX Instrument: Inst. B

Sample Info: 360-24417-a-12-a

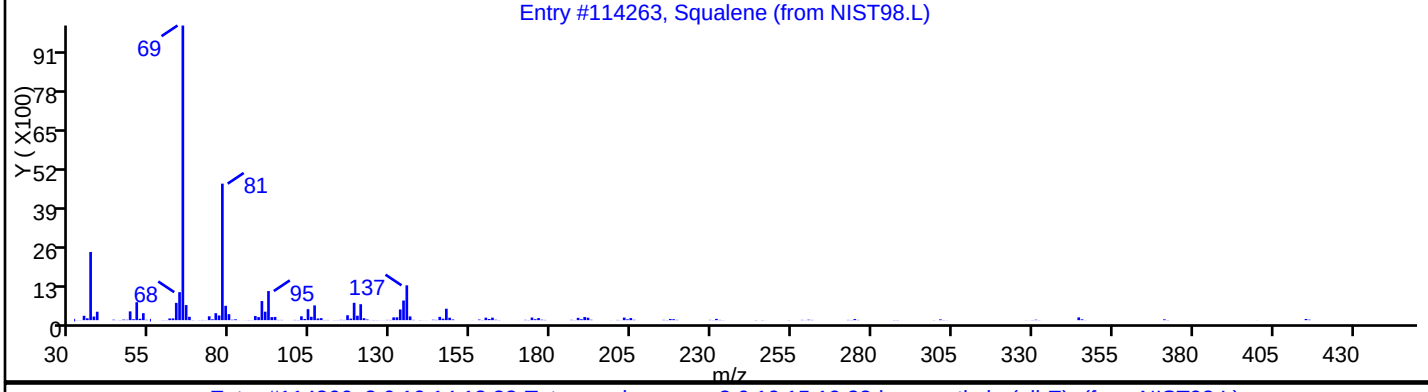
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Squalene	7683-64-9	NIST98.L	114263	93
2,6,10,14,18,22-Tetracosahexaene, 2,6,10	111-2-4	NIST98.L	114266	87
4,9,13,17-Tetramethyl-4,8,12,16-octadeca	56882-9-8	NIST98.L	23043	78

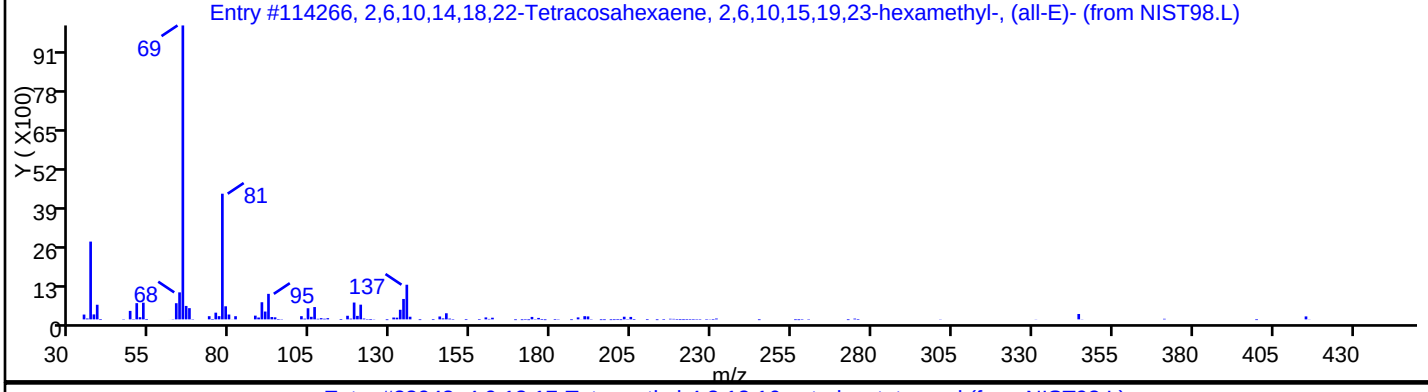
B10473[MS SCAN Spec]:Scan 2639 @ 16.779 min. (SUB)



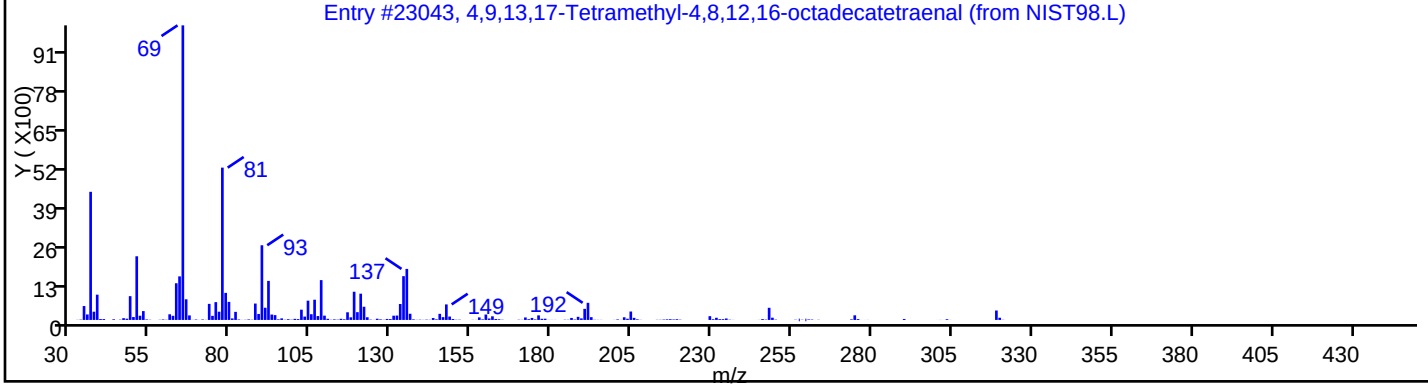
Entry #114263, Squalene (from NIST98.L)



Entry #114266, 2,6,10,14,18,22-Tetracosahexaene, 2,6,10,15,19,23-hexamethyl-, (all-E)- (from NIST98.L)



Entry #23043, 4,9,13,17-Tetramethyl-4,8,12,16-octadecatetraenal (from NIST98.L)



Report Date: 23-Sep-2009 13:20:41 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10473.D

Inj Date: 22-Sep-2009 09:59:30 Limit Group: SMS - 8270LL SVOA Calibration

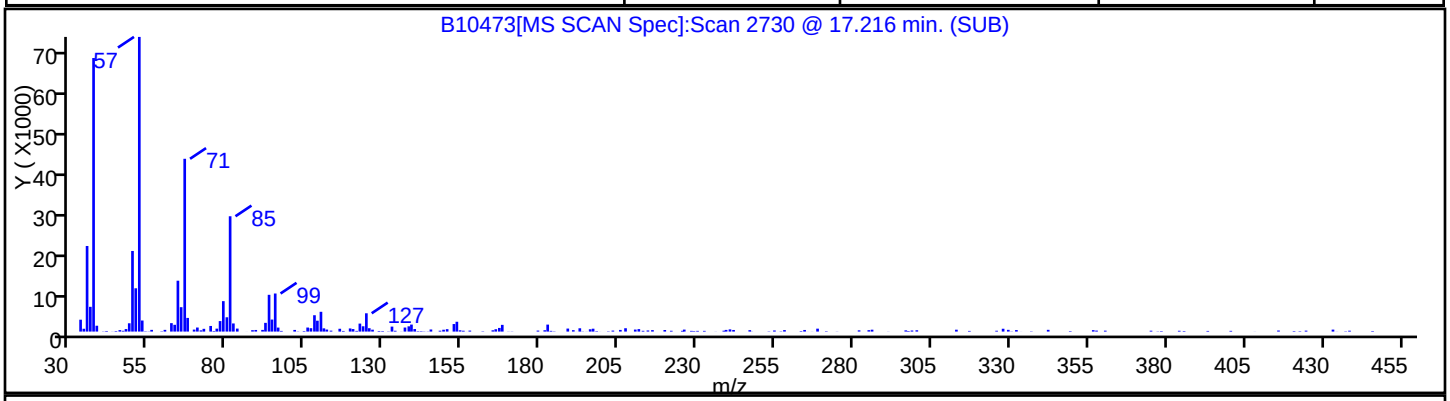
Lims Batch ID: 49266 Lims Sample ID: 36

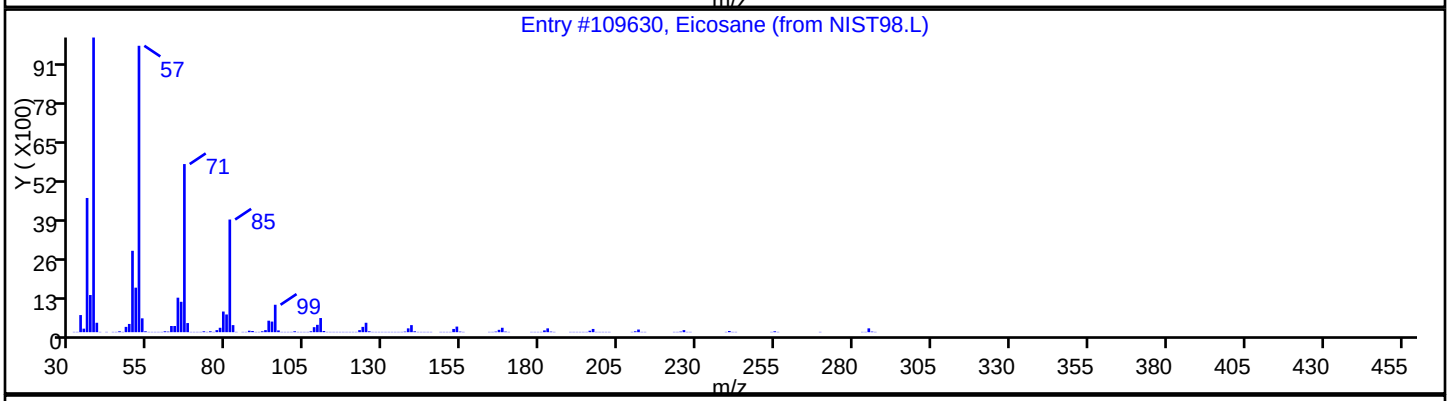
Client ID: OC-SB-468-31/33-XXX Instrument: Inst. B

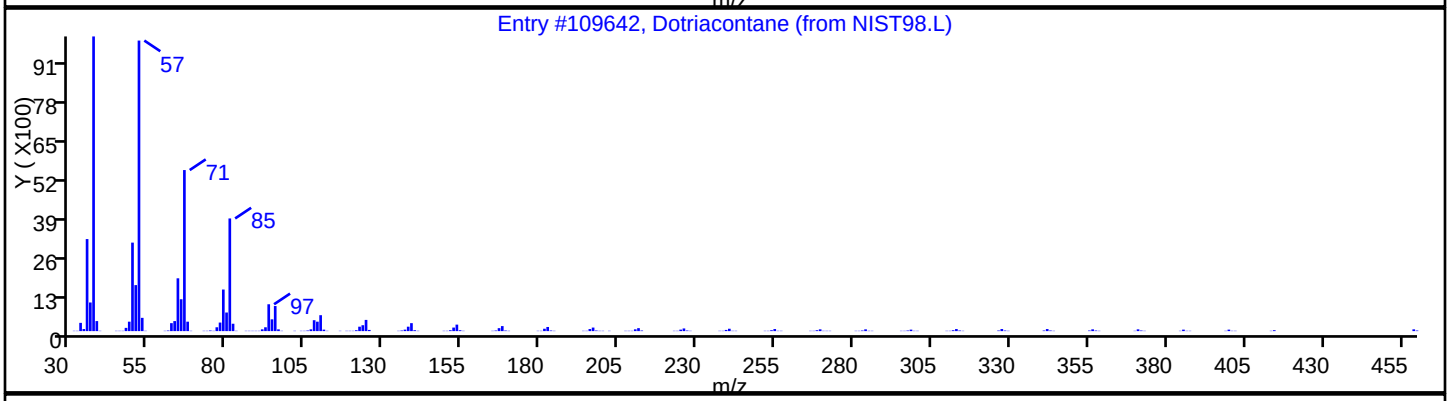
Sample Info: 360-24417-a-12-a

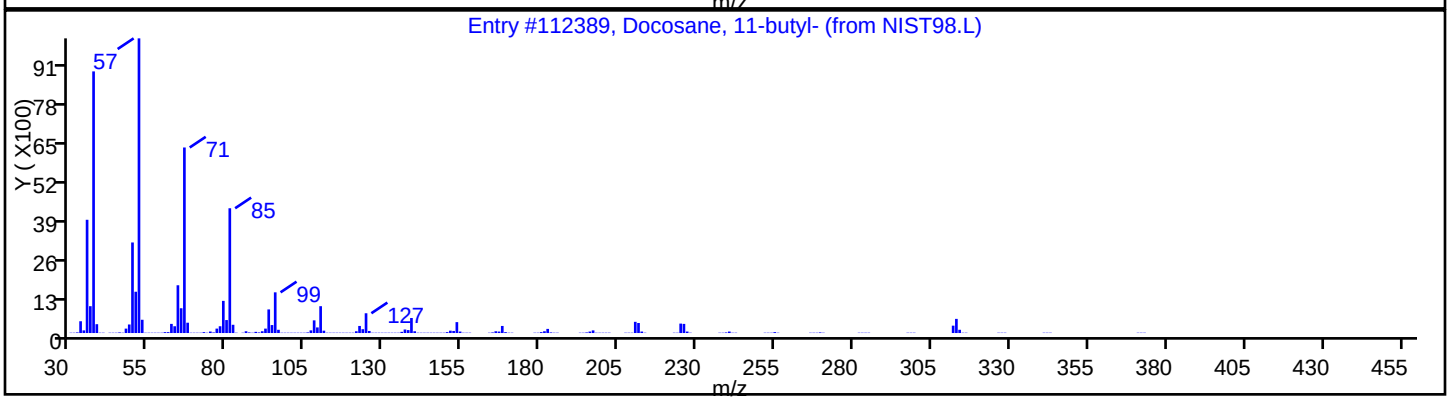
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane	112-95-8	NIST98.L	109630	94
Dotriacontane	544-85-4	NIST98.L	109642	90
Docosane, 11-butyl-	13475-76-8	NIST98.L	112389	90









Report Date: 23-Sep-2009 13:20:41 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10473.D

Inj Date: 22-Sep-2009 09:59:30 Limit Group: SMS - 8270LL SVOA Calibration

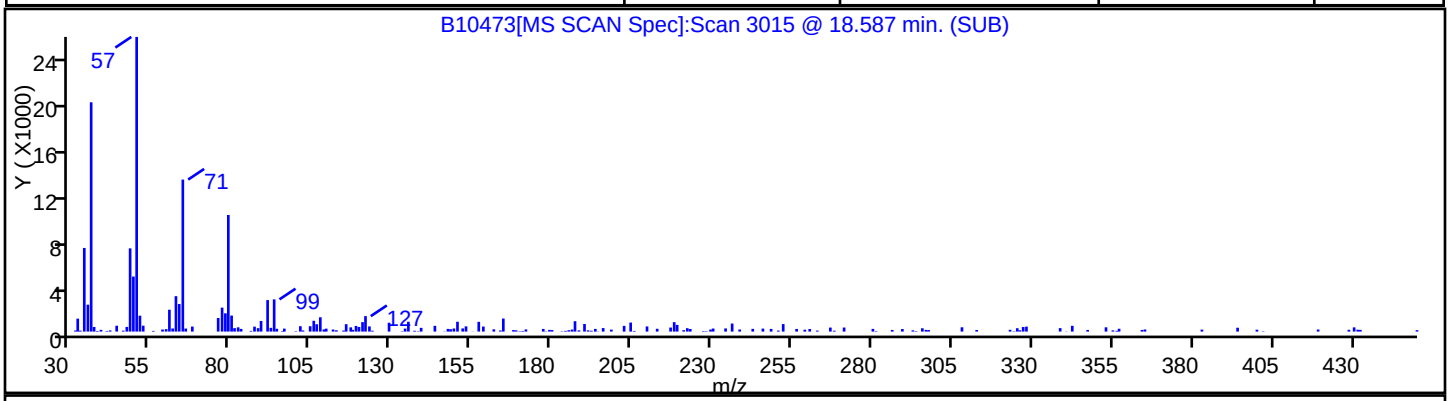
Lims Batch ID: 49266 Lims Sample ID: 36

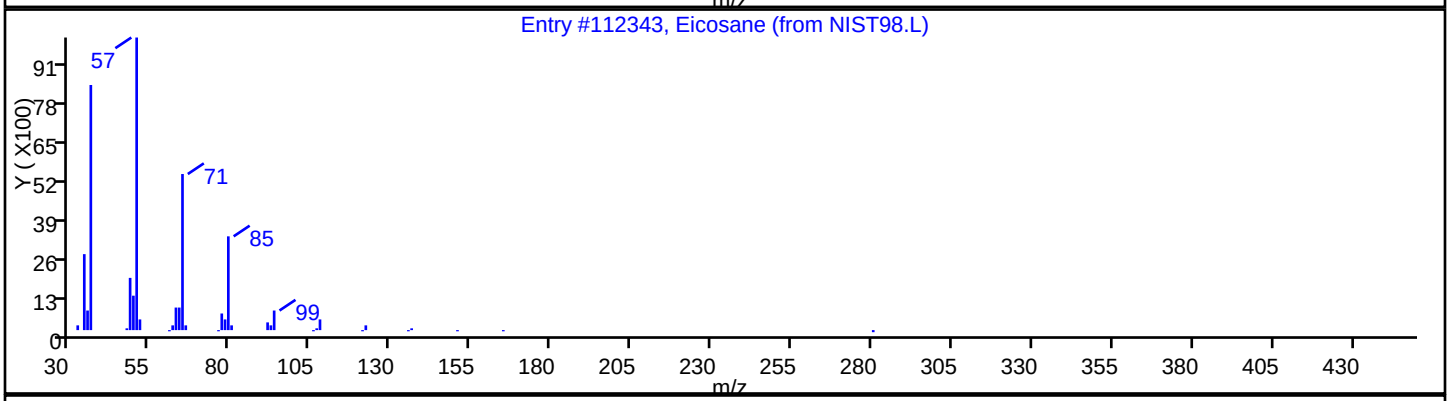
Client ID: OC-SB-468-31/33-XXX Instrument: Inst. B

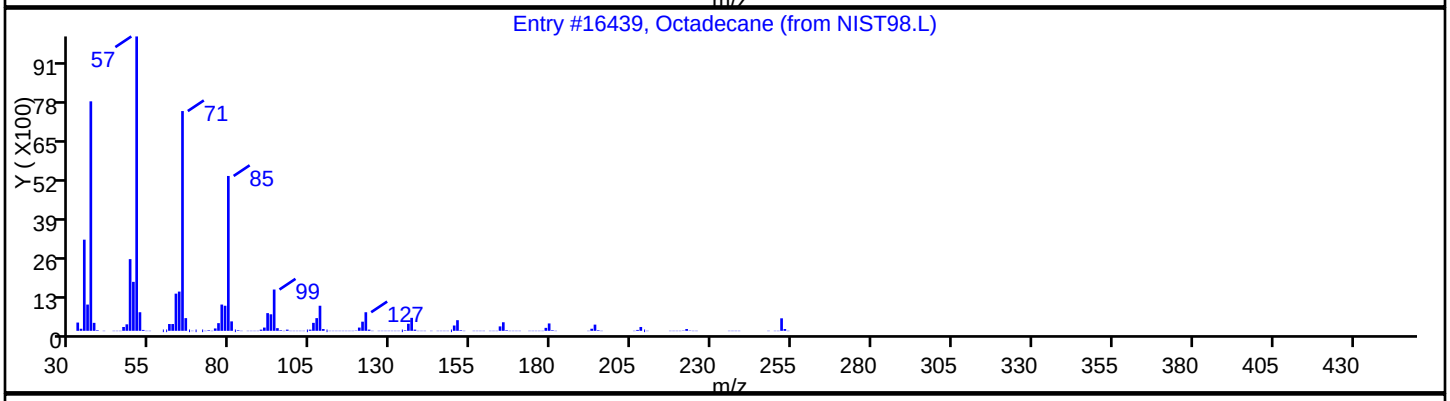
Sample Info: 360-24417-a-12-a

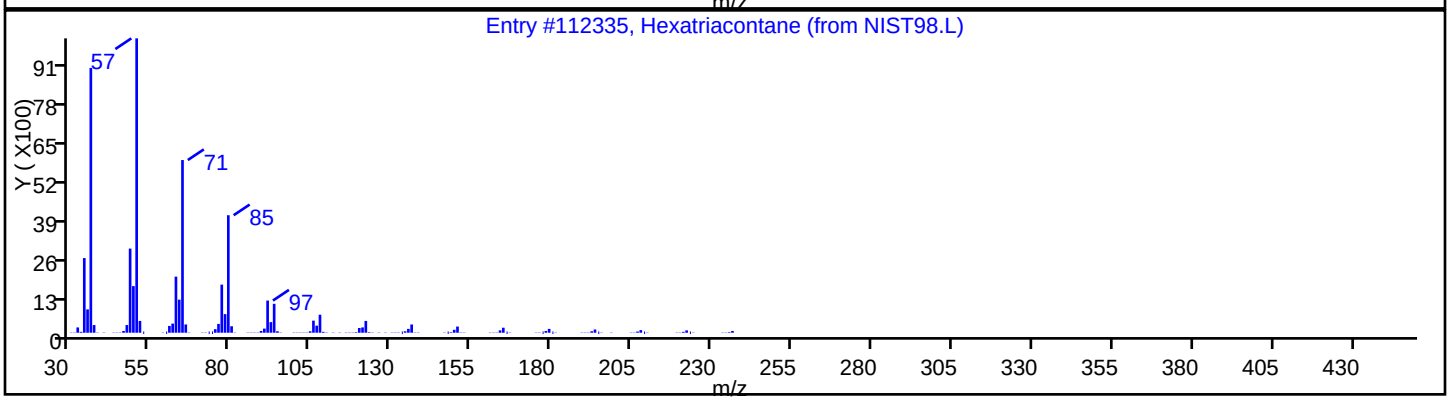
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane	112-95-8	NIST98.L	112343	93
Octadecane	593-45-3	NIST98.L	16439	91
Hexatriacontane	630-6-8	NIST98.L	112335	87









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: OC-SB-471-26/28-XXX | Lab Sample ID: 360-24417-16

Matrix: Solid | Lab File ID: J03064.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 14:30

Extract. Method: 3546 | Date Extracted: 09/14/2009 13:00

Sample wt/vol: 30.38(g) | Date Analyzed: 09/22/2009 02:12

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

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

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

Analysis Batch No.: 49260 | 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.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: OC-SB-471-26/28-XXX | Lab Sample ID: 360-24417-16

Matrix: Solid | Lab File ID: J03064.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 14:30

Extract. Method: 3546 | Date Extracted: 09/14/2009 13:00

Sample wt/vol: 30.38(g) | Date Analyzed: 09/22/2009 02:12

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

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

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

Analysis Batch No.: 49260 | 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	30
111-91-1	Bis(2-chloroethoxy)methane	ND		36	11
111-44-4	Bis(2-chloroethyl)ether	ND		36	11
117-81-7	Bis(2-ethylhexyl) phthalate	83		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.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: OC-SB-471-26/28-XXX | Lab Sample ID: 360-24417-16

Matrix: Solid | Lab File ID: J03064.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 14:30

Extract. Method: 3546 | Date Extracted: 09/14/2009 13:00

Sample wt/vol: 30.38(g) | Date Analyzed: 09/22/2009 02:12

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

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

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

Analysis Batch No.: 49260 | 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	15	J	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	65	30-130	
321-60-8	2-Fluorobiphenyl	65	30-130	
367-12-4	2-Fluorophenol	72	30-130	
4165-60-0	Nitrobenzene-d5	65	30-130	
4165-62-2	Phenol-d5	75	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.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: OC-SB-471-26/28-XXX | Lab Sample ID: 360-24417-16

Matrix: Solid | Lab File ID: J03064.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 14:30

Extract. Method: 3546 | Date Extracted: 09/14/2009 13:00

Sample wt/vol: 30.38(g) | Date Analyzed: 09/22/2009 02:12

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

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

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

Analysis Batch No.: 49260 | Units: ug/Kg

Number TICs Found: 4 | TIC Result Total: 251.8

CAS NO.	COMPOUND NAME	RT	RESULT	Q
141-70-8	Heptane, 2,2,6,6-tetramethyl-4-methylene	6.14	25	T J N
123-48-8	3-Heptene, 2,2,4,6,6-pentamethyl-	6.24	38	T J N
138-86-3	Limonene	6.46	8.8	T J N
7683-64-9	Squalene	14.35	180	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03064.D		
Lims ID:	360-24417-A-16-A	Client ID:	OC-SB-471-26/28-XXX
Inject. Date:	22-Sep-2009 02:12:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-16-a		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	26
Lims Batch ID:	49260	Lims Sample ID:	26
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 15:28:09	Calib Date:	21-Sep-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 15:28:09

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	6.304	6.302	0.002	79628	2.00	
* 2 Naphthalene-d8	136	7.640	7.643	-0.003	195809	2.00	
* 3 Acenaphthene-d10	164	9.367	9.370	-0.003	96057	2.00	
* 4 Phenanthrene-d10	188	10.805	10.808	-0.003	153946	2.00	
* 5 Chrysene-d12	240	13.373	13.371	0.002	95286	2.00	
* 6 Perylene-d12	264	14.709	14.708	0.001	73572	2.00	
$ 7 2-Fluorophenol	112	4.491	4.436	0.055	184592	7.24	
$ 8 Phenol-d5	99	5.977	5.965	0.012	222809	7.51	
$ 9 Nitrobenzene-d5	82	6.919	6.917	0.002	98914	3.24	
$ 10 2-Fluorobiphenyl	172	8.737	8.735	0.002	197442	3.24	
$ 11 2,4,6-Tribromophenol	330	10.141	10.139	0.002	45702	6.51	
$ 12 Terphenyl-d14	244	12.387	12.385	0.002	163649	4.05	
30 Acetophenone	105	6.775	6.768	0.007	2251	0.0679	
41 Naphthalene	128	7.660	7.663	-0.003	37462	0.4237	
46 2-Methylnaphthalene	142	8.357	8.360	-0.003	9675	0.1732	
47 1-Methylnaphthalene	142	8.453	8.451	0.002	5443	0.0996	
52 1,1'-Biphenyl	154	8.828	8.826	0.002	2573	0.0401	
61 Acenaphthene	153	9.400	9.399	0.001	2337	0.0446	
64 Dibenzofuran	168	9.574	9.572	0.002	6719	0.0952	
66 Diethyl phthalate	149	9.843	9.846	-0.003	820	0.0141	
69 Fluorene	166	9.905	9.904	0.001	3570	0.0651	
80 Phenanthrene	178	10.829	10.827	0.002	14153	0.1817	
84 Di-n-butyl phthalate	149	11.444	11.447	-0.003	14431	0.2132	
87 Fluoranthene	202	11.983	11.981	0.002	1902	0.0307	
92 Bis(2-ethylhexyl) phthalate	149	13.478	13.481	-0.003	103691	2.31	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03064.D		
Lims ID:	360-24417-A-16-A	Client ID:	OC-SB-471-26/28-XXX
Inject. Date:	22-Sep-2009 02:12:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-16-a		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	26
Lims Batch ID:	49260	Lims Sample ID:	26
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 15:28:09	Calib Date:	21-Sep-2009 18:59:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 15:28:09

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

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
1,2-Diphenylhydrazine	10.088	1193	0.0126	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
141-70-8 Heptane, 2,2,6,6-tetramethyl-4-methylene						
6.135	121810	0.6855	1	91	15794	
123-48-8 3-Heptene, 2,2,4,6,6-pentamethyl-						
6.236	187135	1.05	1	97	17462	
138-86-3 Limonene						
6.457	43786	0.2464	1	86	114006	
7683-64-9 Squalene						
14.349	522600	5.07	6	91	114263	

Quantitation Compounds

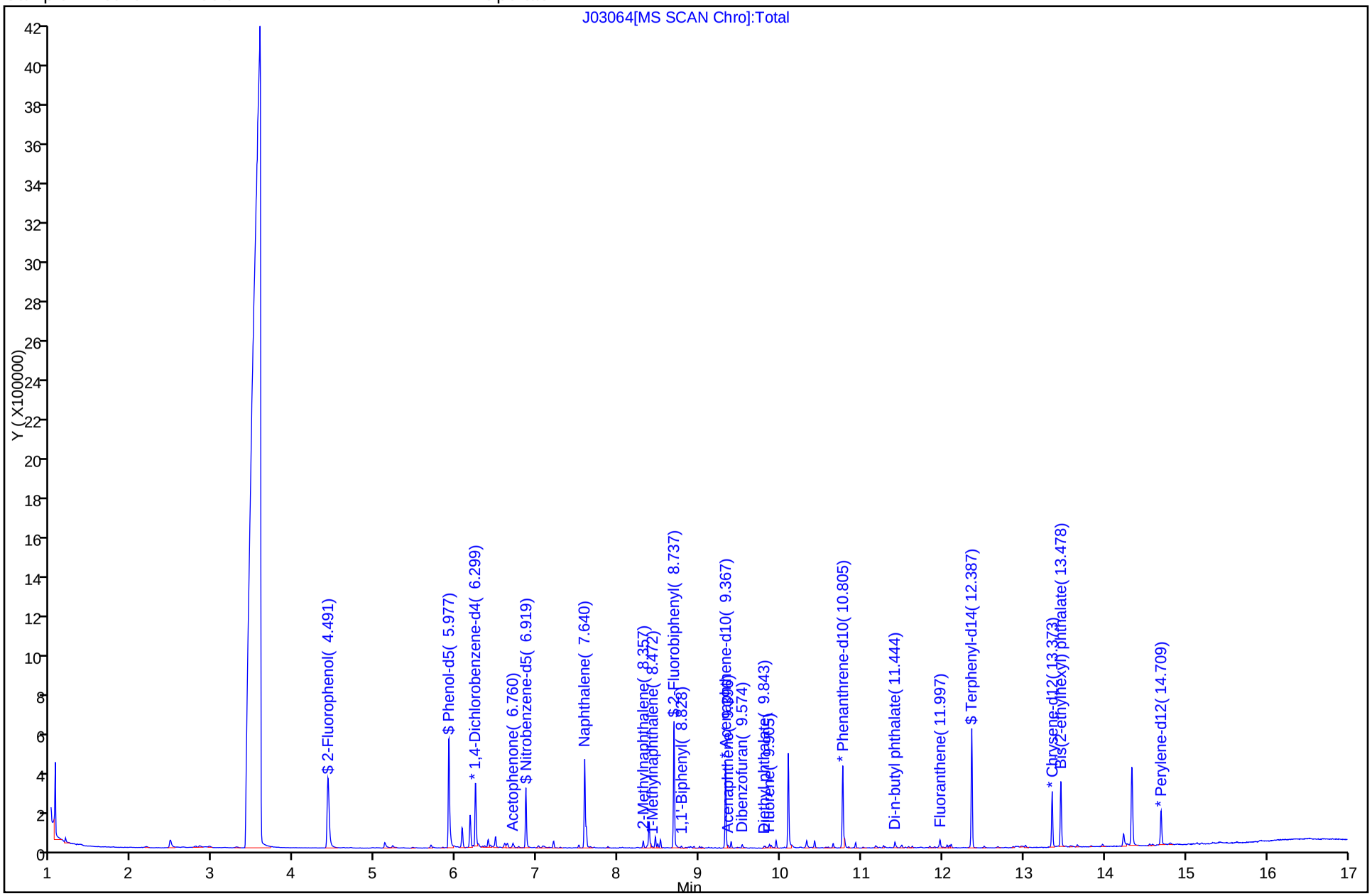
Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	6.299	355414	2.00
* 6 Perylene-d12	14.709	206308	2.00

QC Flag Legend

Processing Flags

Report Date: 23-Sep-2009 15:28:10 Chrom Revision: 1.1 20-Sep-2009 21:03:36

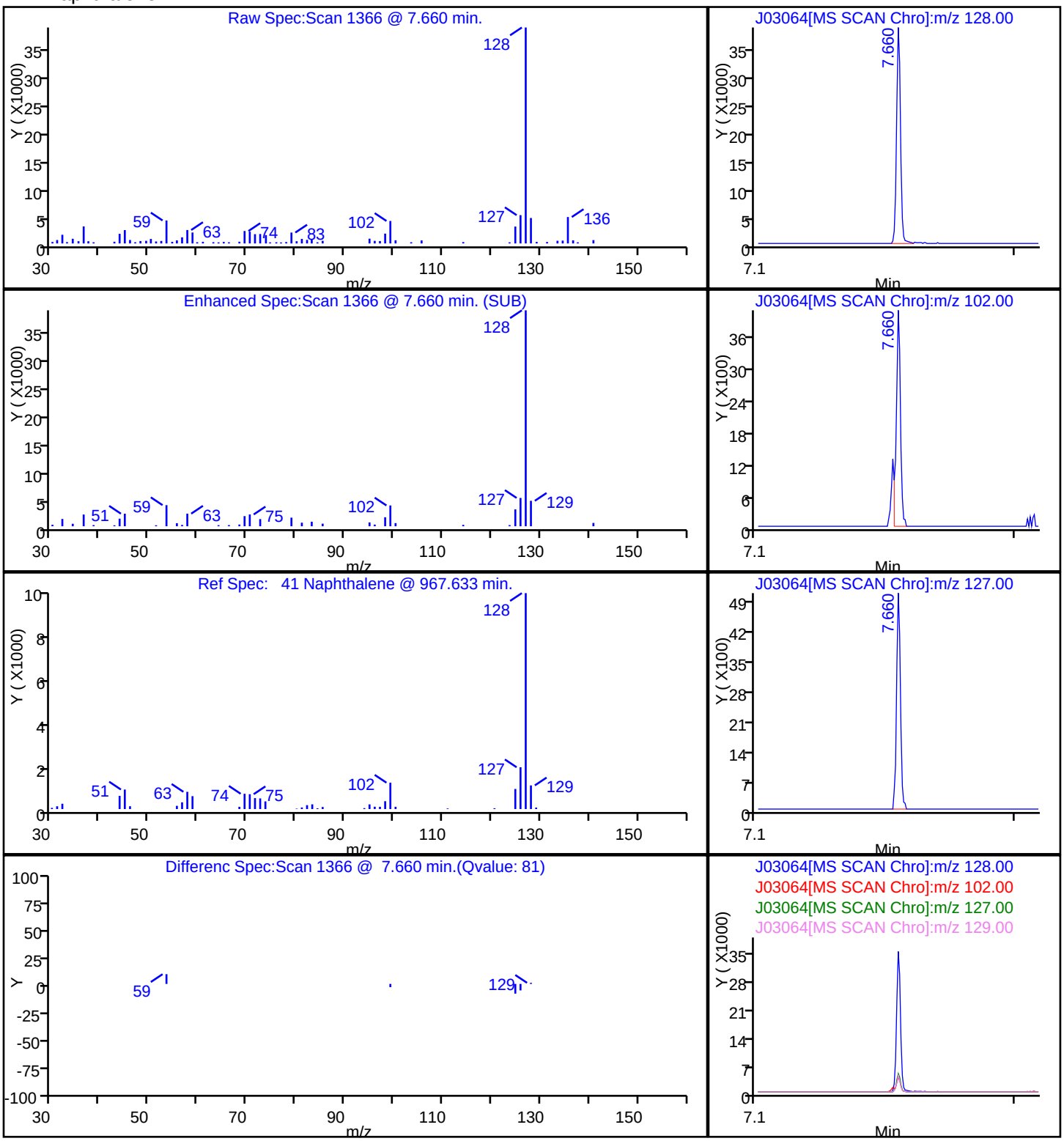
Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03064.D		
Inj Date:	22-Sep-2009 02:12:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49260	Lims Sample ID:	26
Client ID:	OC-SB-471-26/28-XXX	Instrument:	Inst. J
Sample Info:	360-24417-a-16-a		
Sample Amount:	1.00 ul	Operator:	



Report Date: 23-Sep-2009 15:28:10 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03064.D		
Inj Date:	22-Sep-2009 02:12:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49260	Lims Sample ID:	26
Client ID:	OC-SB-471-26/28-XXX	Instrument:	Inst. J
Sample Info:	360-24417-a-16-a		
Sample Amount:	1.00 ul	Operator:	

41 Naphthalene



Report Date: 23-Sep-2009 15:28:12 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03064.D

Inj Date: 22-Sep-2009 02:12:30 Limit Group: SMS - 8270LL SVOA Calibration

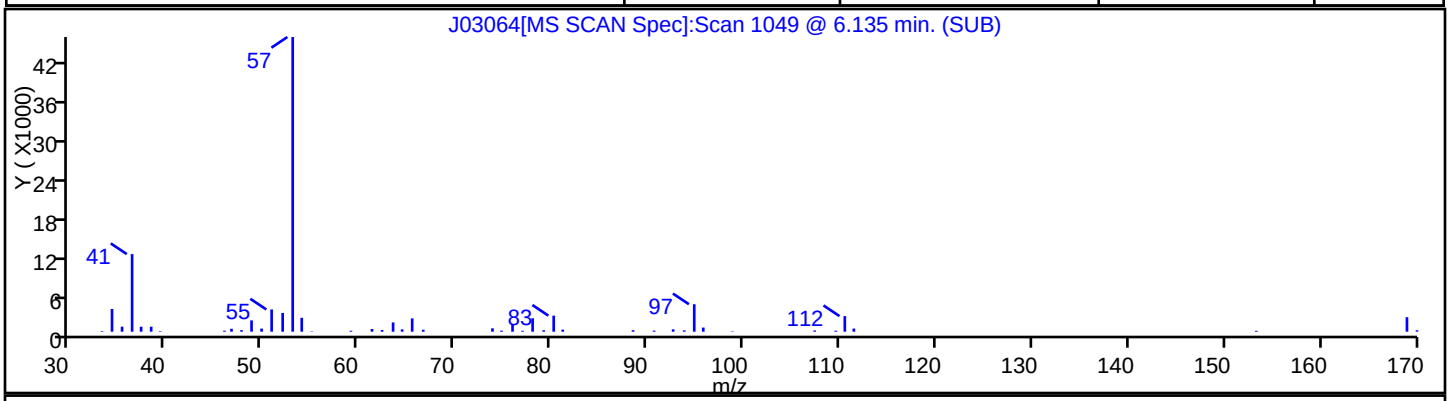
Lims Batch ID: 49260 Lims Sample ID: 26

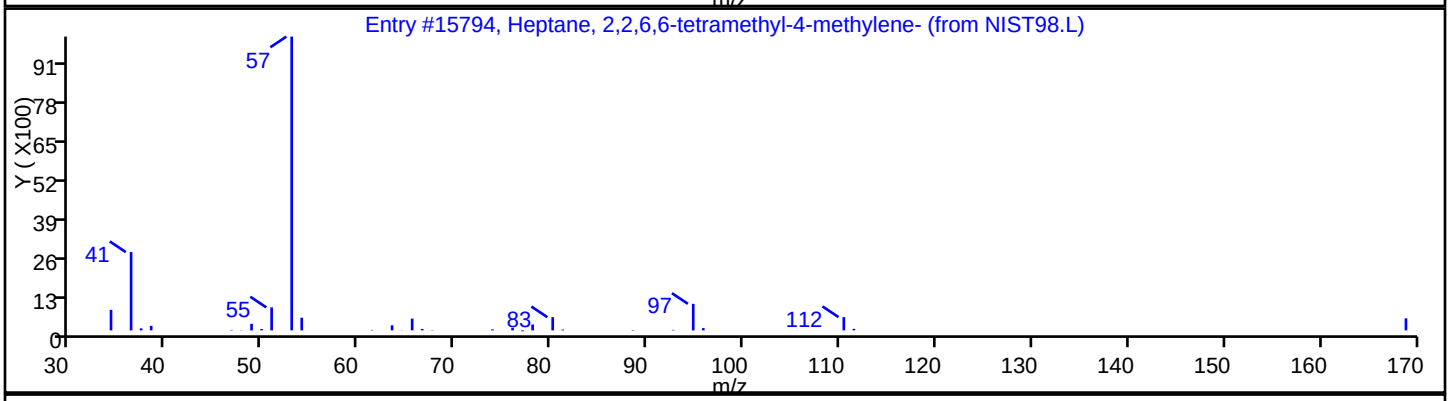
Client ID: OC-SB-471-26/28-XXX Instrument: Inst. J

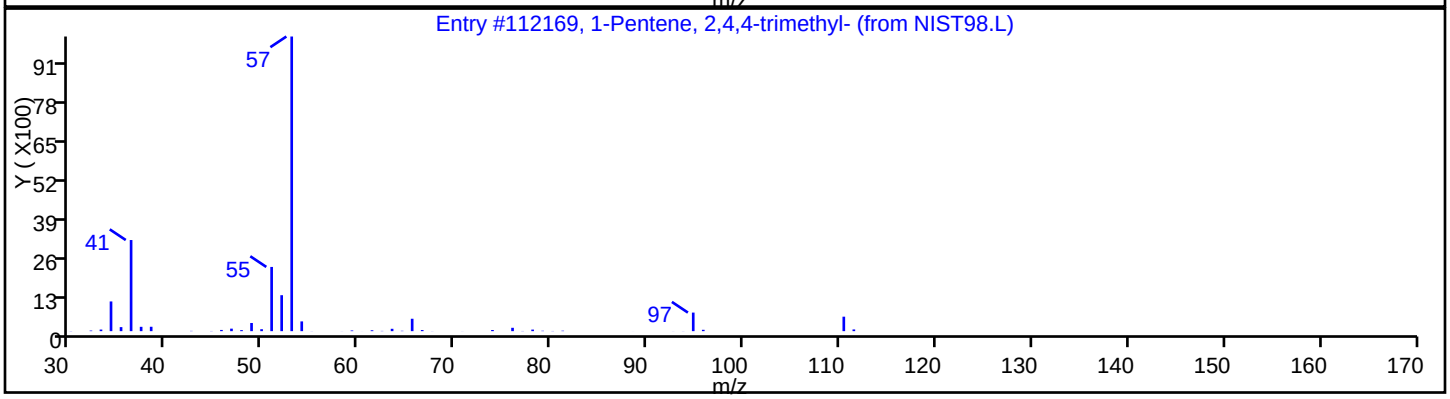
Sample Info: 360-24417-a-16-a

Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptane, 2,2,6,6-tetramethyl-4-methylene	141-70-8	NIST98.L	15794	91
1-Pentene, 2,4,4-trimethyl-	107-39-1	NIST98.L	112169	53







Report Date: 23-Sep-2009 15:28:12 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03064.D

Inj Date: 22-Sep-2009 02:12:30 Limit Group: SMS - 8270LL SVOA Calibration

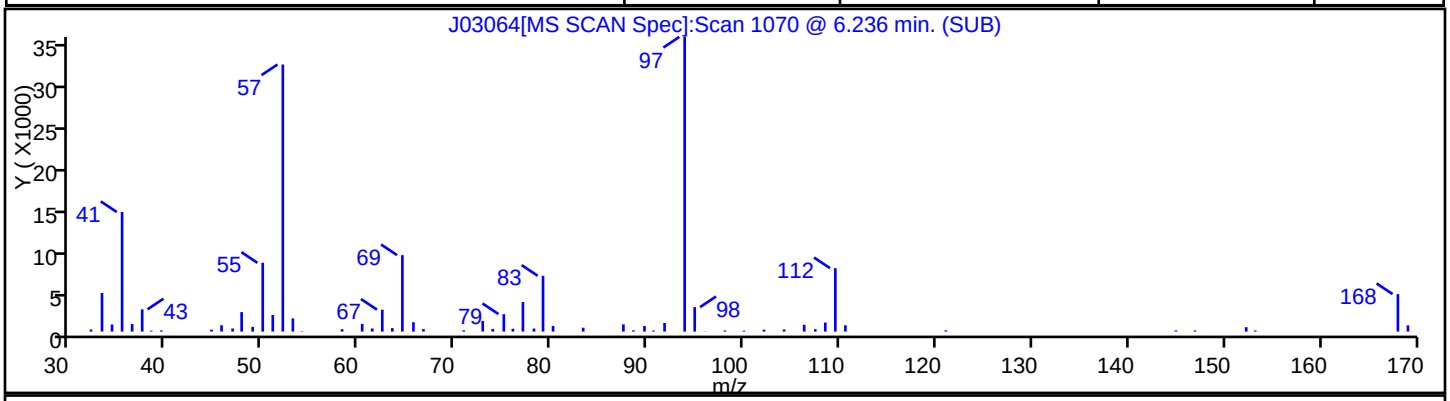
Lims Batch ID: 49260 Lims Sample ID: 26

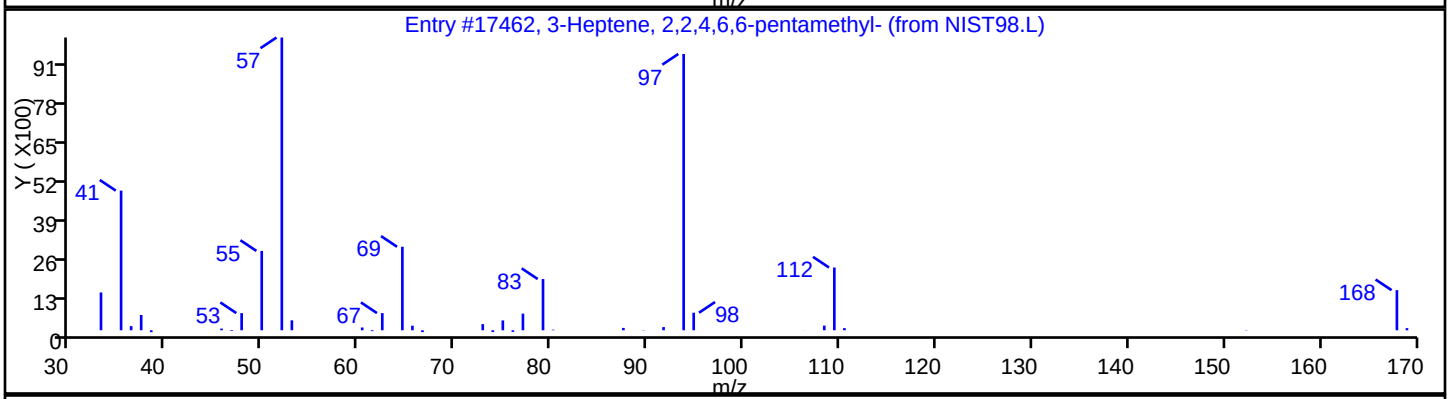
Client ID: OC-SB-471-26/28-XXX Instrument: Inst. J

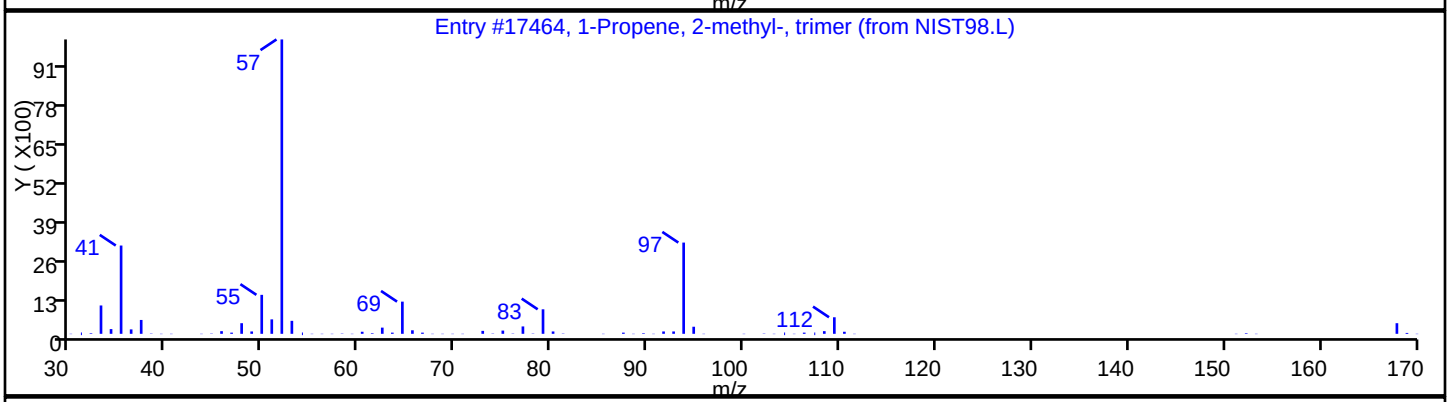
Sample Info: 360-24417-a-16-a

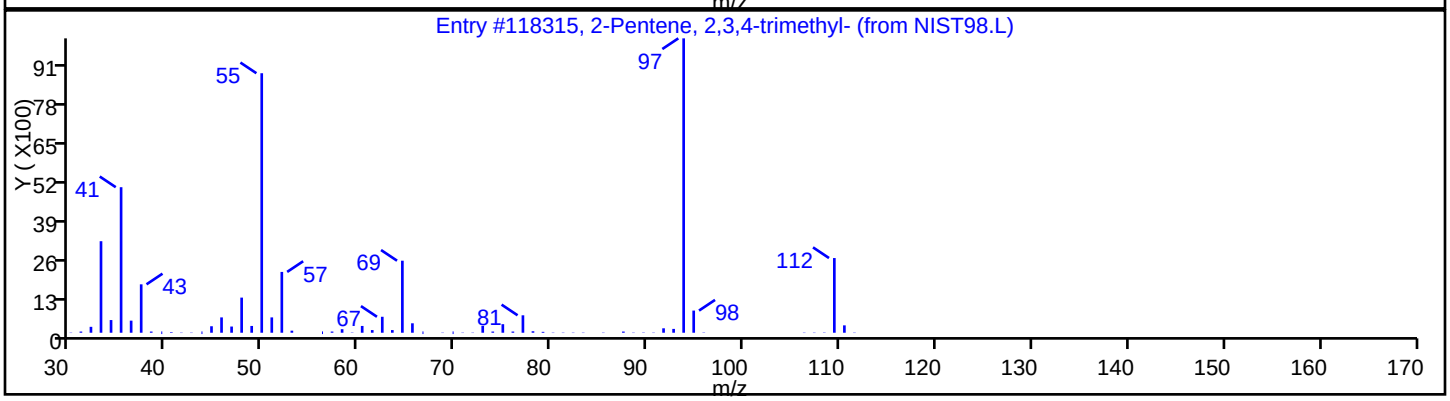
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
3-Heptene, 2,2,4,6,6-pentamethyl-	123-48-8	NIST98.L	17462	97
1-Propene, 2-methyl-, trimer	7756-94-7	NIST98.L	17464	64
2-Pentene, 2,3,4-trimethyl-	565-77-5	NIST98.L	118315	64









Report Date: 23-Sep-2009 15:28:12 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03064.D

Inj Date: 22-Sep-2009 02:12:30 Limit Group: SMS - 8270LL SVOA Calibration

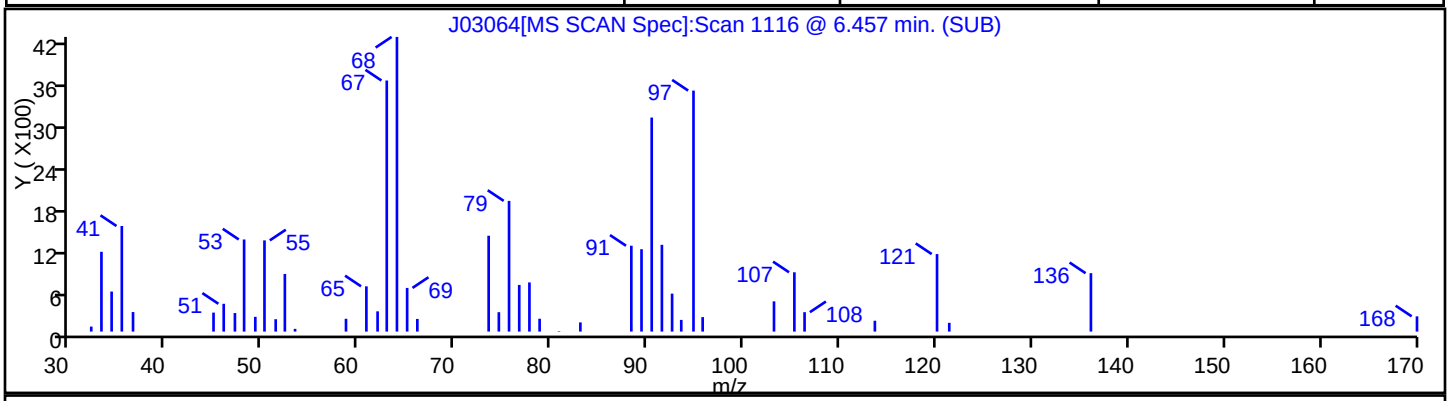
Lims Batch ID: 49260 Lims Sample ID: 26

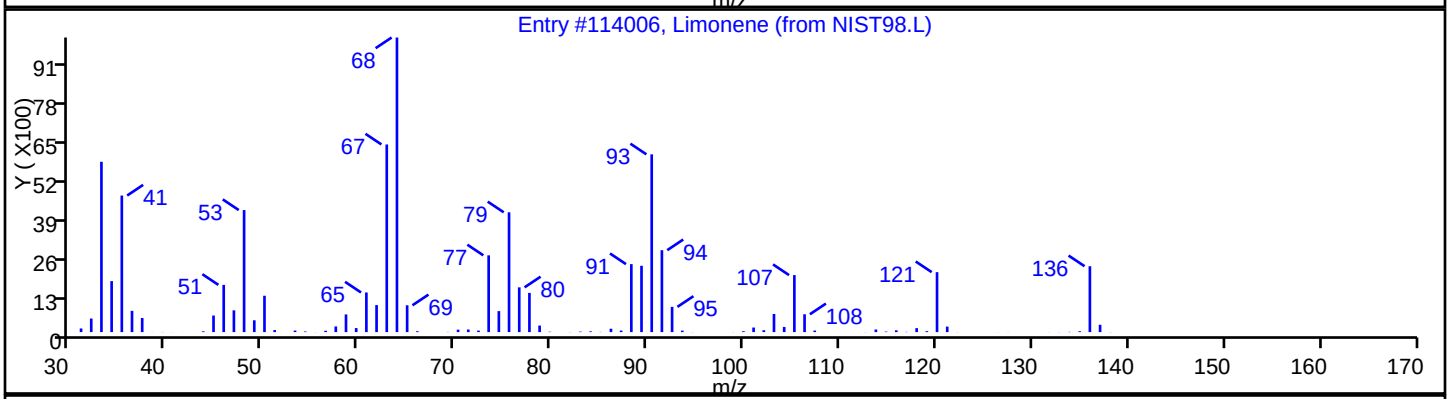
Client ID: OC-SB-471-26/28-XXX Instrument: Inst. J

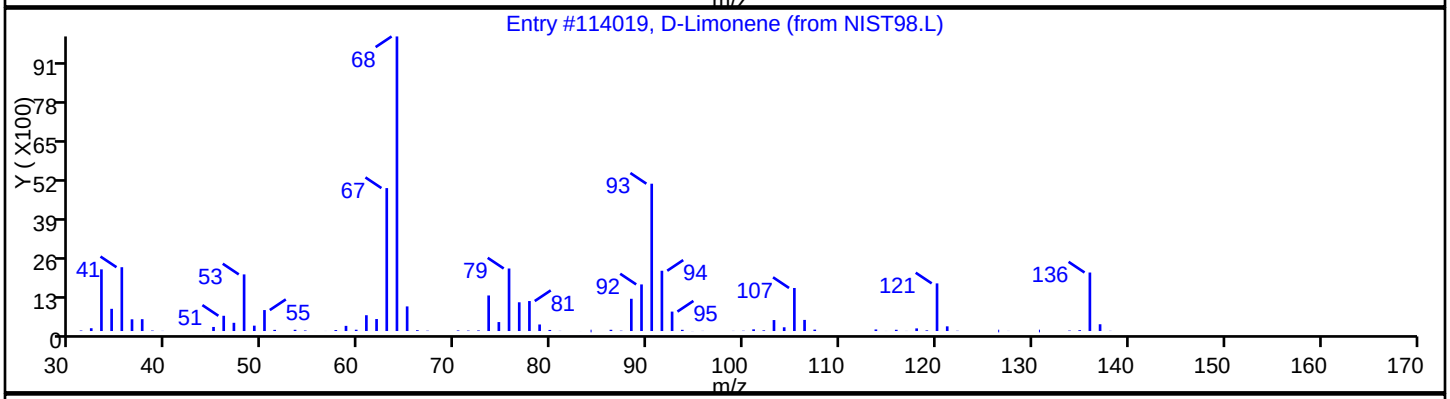
Sample Info: 360-24417-a-16-a

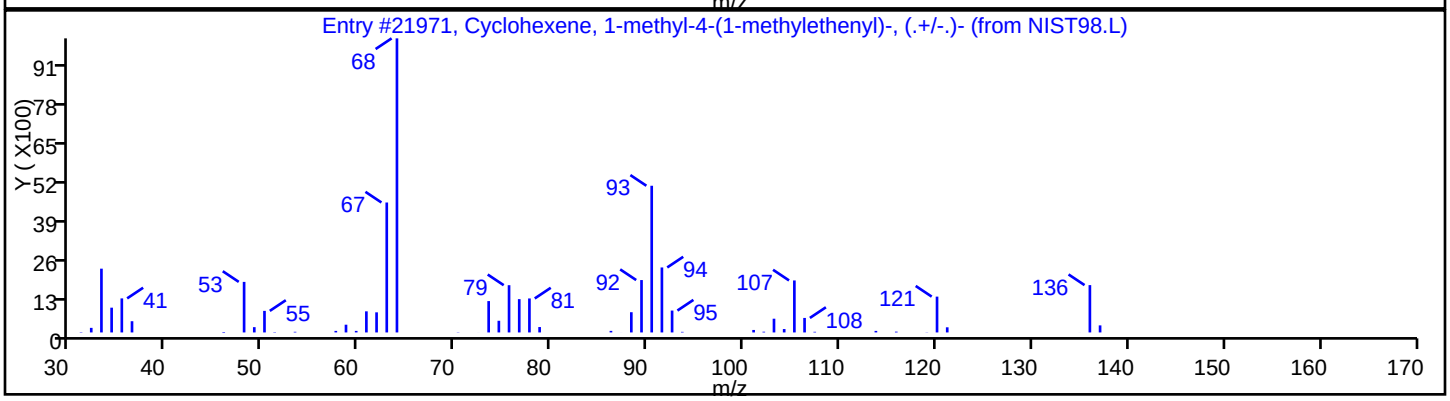
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Limonene	138-86-3	NIST98.L	114006	86
D-Limonene	5989-27-5	NIST98.L	114019	64
Cyclohexene, 1-methyl-4-(1-methylethenyl	7705-14-8	NIST98.L	21971	60









Report Date: 23-Sep-2009 15:28:12 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03064.D

Inj Date: 22-Sep-2009 02:12:30 Limit Group: SMS - 8270LL SVOA Calibration

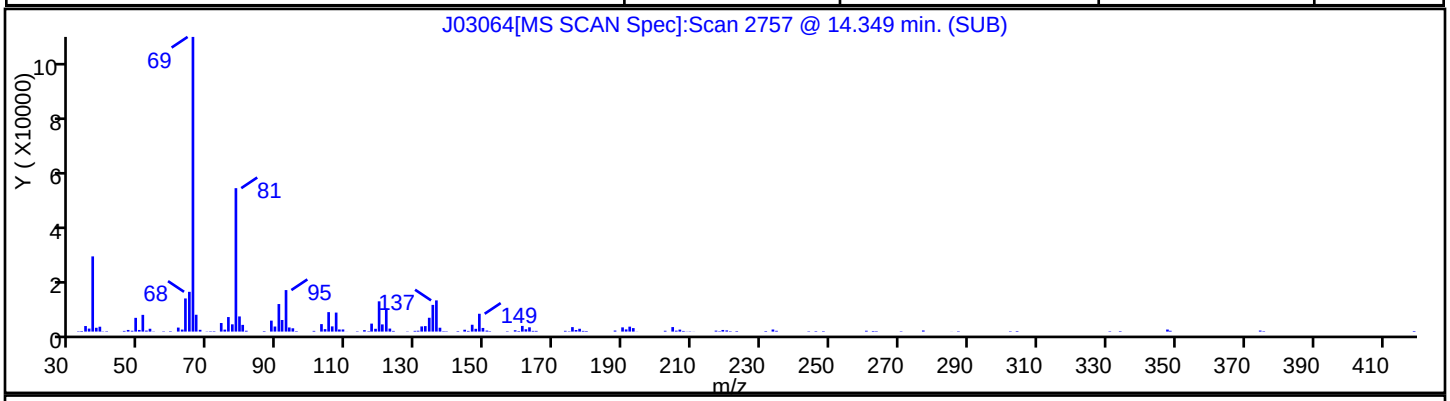
Lims Batch ID: 49260 Lims Sample ID: 26

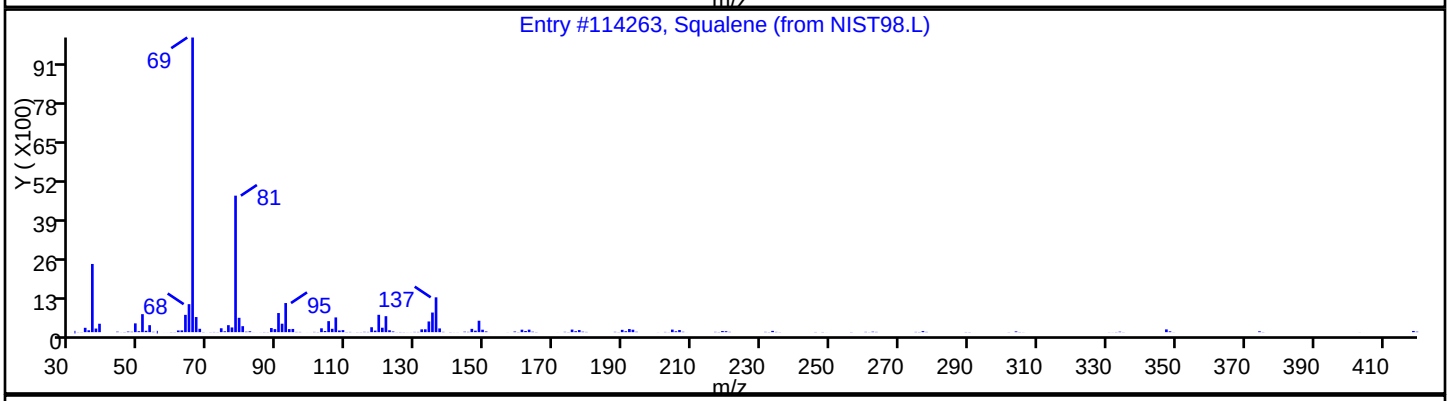
Client ID: OC-SB-471-26/28-XXX Instrument: Inst. J

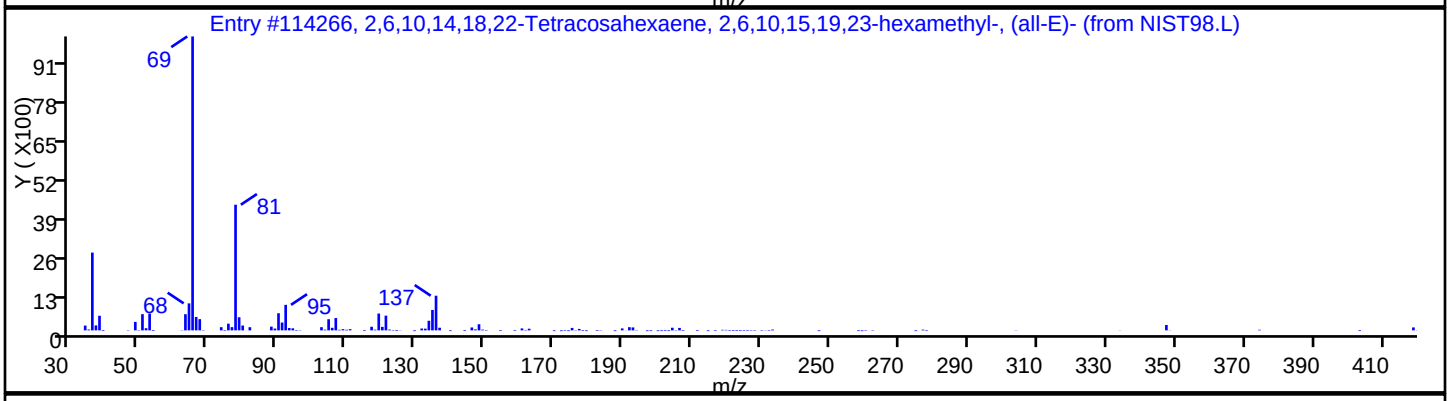
Sample Info: 360-24417-a-16-a

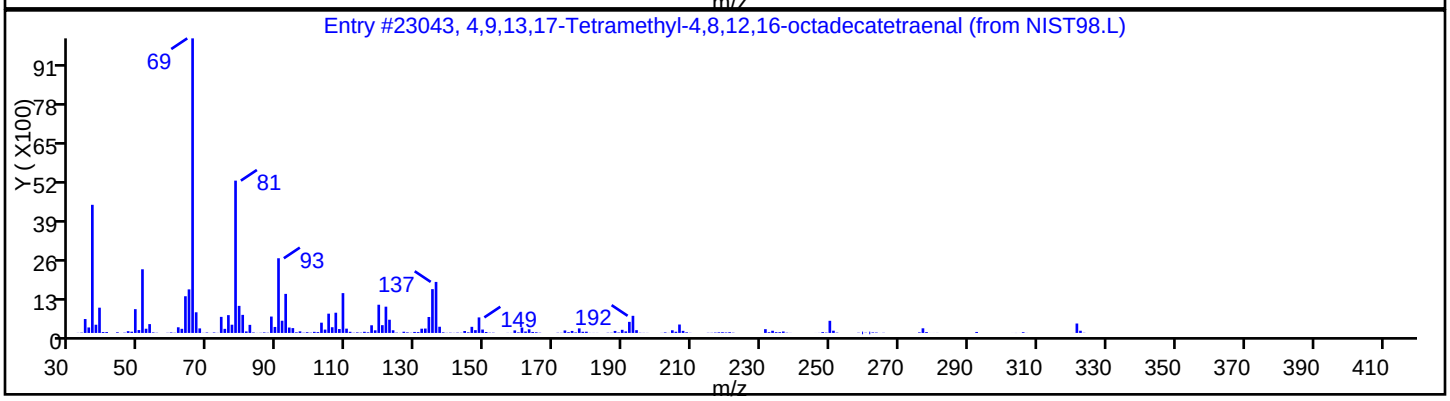
Sample Amount: 1.00 ul Operator:

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
4,9,13,17-Tetramethyl-4,8,12,16-octadeca	56882-9-8	NIST98.L	23043	83









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

Lab Name: TestAmerica Westfield Job No.: 360-24417-2 Analy Batch No.: 49265

SDG No.: OCRI-10A

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

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49265/3	B10440.D
Level 2	STD025 360-49265/4	B10441.D
Level 3	STD05 360-49265/5	B10442.D
Level 4	STD1 360-49265/6	B10443.D
Level 5	STD25 360-49265/7	B10444.D
Level 6	STD8 360-49265/8	B10445.D
Level 7	STD10 360-49265/9	B10446.D
Level 8	STD20 360-49265/10	B10447.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.5632 0.1690	0.3502 0.1521	0.2641 0.2515	0.2397	0.2284	Qua	0.1356	0.0811	0.0081						0.9930		0.9900
N-Nitrosodimethylamine	0.4235 0.3371	0.3998 0.3042	0.3798 0.5020	0.3919	0.4120	Ave		0.3899				14.0		15.0			
Pyridine	 0.4589	 0.4209	0.3373 +++++	0.4886	0.5095	Ave		0.4470				14.0		15.0			
Benzaldehyde	0.4244 0.3377	0.3852 0.3114	0.3657 +++++	0.3775	0.4051	Ave		0.3700				9.8		15.0			
Phenol	0.7626 0.6277	0.7188 0.5746	0.7041 +++++	0.7103	0.7416	Ave		0.6844				9.5		15.0			
Aniline	0.9541 0.7502	0.8372 0.6801	0.8454 +++++	0.8739	0.9012	Ave		0.8272				11.0		15.0			
Bis(2-chloroethyl)ether	0.6839 0.4951	0.6112 0.4571	0.6107 +++++	0.5949	0.5908	Ave		0.5696				13.0		15.0			
2-Chlorophenol	0.6308 0.5331	0.6300 0.4905	0.6005 +++++	0.6261	0.6352	Ave		0.5876				9.3		15.0			
1,4-Dichlorobenzene	0.8794 0.6396	0.8058 0.5815	0.8278 +++++	0.7662	0.7751	Ave		0.7423				14.0		15.0			
1,3-Dichlorobenzene	0.9472 0.6679	0.8491 0.6060	0.8447 +++++	0.8062	0.8146	Ave		0.7770				15.0		15.0			
Benzyl alcohol	0.3319 0.4472	0.3641 0.4071	0.3899 +++++	0.4412	0.4981	Ave		0.4159				13.0		15.0			
1,2-Dichlorobenzene	0.9246 0.6089	0.7893 0.5537	0.7719 +++++	0.7466	0.7297	Lin1	0.0545	0.5969							0.9920		0.9900
2-Methylphenol	0.5224 0.4948	0.5571 0.4407	0.5465 +++++	0.5561	0.5701	Ave		0.5233				8.3		15.0			
2,2'-oxybis[1-chloropropane]	1.2150 0.8755	1.1661 0.7961	1.1358 +++++	1.1002	1.0960	Ave		1.0382				15.0		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-2 Analy Batch No.: 49265

SDG No.: OCRI-10A

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

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
3 & 4 Methylphenol	0.5925 0.5081	0.5932 0.4630	0.5545 +++++	0.5642	0.5906	Ave		0.5479				8.7		15.0			
N-Nitrosodi-n-propylamine	0.3790 0.3834	0.3947 0.3430	0.3926 +++++	0.4049	0.4288	Ave		0.3882			0.0500	6.3		15.0			
Acetophenone	0.8385 0.7077	0.8215 0.6428	0.8108 +++++	0.8197	0.8272	Ave		0.7737				9.4		15.0			
Hexachloroethane	0.2850 0.2338	0.2779 0.2143	0.2722 +++++	0.2758	0.2798	Ave		0.2599				10.0		15.0			
Nitrobenzene	0.2542 0.2251	0.2721 0.2043	0.2717 +++++	0.2815	0.2840	Ave		0.2532				12.0		15.0			
Isophorone	0.4298 0.3802	0.3978 0.3482	0.4143 +++++	0.4297	0.4626	Ave		0.4071				8.6		15.0			
2,4-Dimethylphenol	0.2471 0.2182	0.2401 0.1961	0.2508 +++++	0.2434	0.2578	Ave		0.2349				8.7		15.0			
2-Nitrophenol	0.1125 0.1248	0.1133 0.1124	0.1254 0.0844	0.1327	0.1411	Ave		0.1189				14.0		15.0			
Benzoic acid	 0.0761	 0.0752	 0.0826	0.0049	0.0234	Lin1	-0.103	0.0859							0.9910		0.9900
Bis(2-chloroethoxy)methane	0.2998 0.2189	0.2696 0.1981	0.2854 +++++	0.2779	0.2711	Ave		0.2557				14.0		15.0			
2,4-Dichlorophenol	0.2140 0.1729	0.1914 0.1554	0.1987 +++++	0.2027	0.2083	Ave		0.1897				11.0		15.0			
1,2,4-Trichlorobenzene	0.2785 0.1950	0.2635 0.1795	0.2639 0.1301	0.2553	0.2454	Qua	0.0210	0.2294	-0.005						0.9990		0.9900
Alpha-Terpineol	0.2300 0.1927	0.2121 0.1747	0.2092 +++++	0.2239	0.2304	Ave		0.2088				9.4		15.0			
Naphthalene	0.9366 0.6433	0.9079 0.5875	0.8870 +++++	0.8526	0.8258	Lin	0.2259	0.5945							0.9910		0.9900
4-Chloroaniline	0.3533 0.2701	0.3437 0.2487	0.3219 +++++	0.3465	0.3316	Ave		0.3123				13.0		15.0			
Hexachlorobutadiene	0.1419 0.1022	0.1319 0.0935	0.1300 +++++	0.1265	0.1233	Ave		0.1190				15.0		15.0			
Caprolactam	0.0711 0.0907	0.0733 0.0826	0.0707 +++++	0.0866	0.1033	Ave		0.0840				14.0		15.0			
4-Chloro-3-methylphenol	0.1679 0.1761	0.1884 0.1619	0.1860 0.1213	0.2023	0.2090	Ave		0.1771				15.0		15.0			
2-Methylnaphthalene	0.5643 0.4365	0.5552 0.3936	0.5723 +++++	0.5571	0.5415	Ave		0.5075				14.0		15.0			
1-Methylnaphthalene	0.5813 0.4241	0.5446 0.3850	0.5345 +++++	0.5364	0.5285	Ave		0.4957				14.0		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-2 Analy Batch No.: 49265

SDG No.: OCRI-10A

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

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Hexachlorocyclopentadiene	0.1314 0.2553	0.1478 0.2304	0.1408 0.2574	0.1839	0.2113	Lin1	-0.024	0.2442			0.0500				0.9920		0.9900
1,2,4,5-Tetrachlorobenzene	0.2311 0.1739	0.2257 0.1579	0.2219 +++++	0.2175	0.2108	Ave		0.2010				14.0		15.0			
2,4,6-Trichlorophenol	0.2205 0.3505	0.2328 0.3315	0.2582 0.3571	0.2842	0.3214	Lin1	-0.025	0.3431							0.9960		0.9900
2,4,5-Trichlorophenol	0.2407 0.3725	0.2631 0.3493	0.2673 0.3730	0.2975	0.3323	Lin1	-0.024	0.3593							0.9950		0.9900
1,1'-Biphenyl	1.4348 1.4847	1.4372 1.4049	1.3739 1.3570	1.3903	1.4531	Ave		1.4029				4.2		15.0			
2-Chloronaphthalene	1.2943 1.4292	1.2132 1.3386	1.2390 1.3984	1.2607	1.3999	Ave		1.3061				6.9		15.0			
Phenyl ether	0.3840 0.2797	0.3535 0.2543	0.3515 +++++	0.3548	0.3344	Ave		0.3231				15.0		15.0			
4-Nitroaniline	0.2461 0.4075	0.2422 0.3847	0.2547 0.4125	0.3031	0.3661	Lin1	-0.034	0.3973							0.9960		0.9900
Dimethyl phthalate	1.1880 1.3471	1.1499 1.2790	1.2024 1.2833	1.2302	1.3067	Ave		1.2387				5.5		15.0			
2,6-Dinitrotoluene	0.2271 0.3203	0.2313 0.2980	0.2450 0.3201	0.2698	0.2995	Ave		0.2754				13.0		15.0			
Acenaphthylene	1.4548 1.8704	1.5410 1.7730	1.6344 1.6614	1.6752	1.7954	Ave		1.6695				7.7		15.0			
3-Nitroaniline	0.1953 0.3152	0.2070 0.2960	0.2300 0.3193	0.2533	0.2808	Lin1	-0.022	0.3065							0.9960		0.9900
2,4-Dinitrophenol	 0.1103	 0.1024	 0.1348	0.0326	0.0543	Qua	-0.087	0.0911	0.0024		0.0500				0.9970		0.9900
Acenaphthene	1.1334 1.2850	1.1432 1.2274	1.1211 1.2156	1.1392	1.2085	Ave		1.1743				5.3		15.0			
4-Nitrophenol	 0.1883	 0.1816	0.0672 0.2005	0.0832	0.1419	Lin1	-0.093	0.1955			0.0500				0.9930		0.9900
2,4-Dinitrotoluene	0.2019 0.4068	0.2443 0.3904	0.2469 0.4271	0.2999	0.3633	Lin1	-0.041	0.4044							0.9930		0.9900
Dibenzofuran	1.6210 1.6507	1.4686 1.5502	1.4667 1.4834	1.5039	1.5948	Ave		1.5279				5.3		15.0			
2,3,4,6-Tetrachlorophenol	0.1227 0.2772	0.1471 0.2485	0.1653 0.2812	0.1949	0.2306	Lin1	-0.028	0.2658							0.9920		0.9900
Diethyl phthalate	1.2465 1.3832	1.2019 1.3129	1.2190 1.2974	1.2178	1.3043	Ave		1.2630				5.2		15.0			
4-Chlorophenyl phenyl ether	0.5288 0.6194	0.5361 0.5912	0.5604 0.6226	0.5438	0.5791	Ave		0.5664				6.9		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-2 Analy Batch No.: 49265

SDG No.: OCRI-10A

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

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Nitroaniline	0.1738 0.3709	0.1935 0.3467	0.2129 0.3809	0.2532	0.3163	Lin1	-0.040	0.3608							0.9920		0.9900
Fluorene	1.1759 1.4449	1.2234 1.3897	1.2048 1.3494	1.2358	1.3418	Ave		1.2847				7.6		15.0			
4,6-Dinitro-2-methylphenol	 0.1118	 0.1025	0.0197 0.1235	0.0409	0.0682	Lin	-0.135	0.1268							0.9920		0.9900
Diphenylamine	0.5894 0.7202	0.5956 0.6857	0.6288 0.6921	0.6281	0.6975	Ave		0.6519				7.3		15.0			
N-Nitrosodiphenylamine	0.5894 0.7202	0.5956 0.6857	0.6288 0.6921	0.6281	0.6975	Ave		0.6519				7.3		15.0			
1,2-Diphenylhydrazine	1.0410 1.3231	1.0545 1.2773	1.1078 1.2322	1.1683	1.3247	Ave		1.1897				9.1		15.0			
Azobenzene	1.0410 1.3231	1.0545 1.2773	1.1078 1.2322	1.1683	1.3247	Ave		1.1897				9.1		15.0			
Benzophenone	0.5588 0.8333	0.6200 0.7902	0.6627 0.8060	0.6888	0.7687	Ave		0.7148				13.0		15.0			
4-Bromophenyl phenyl ether	0.1936 0.1961	0.1758 0.1859	0.1737 0.1983	0.1777	0.1832	Ave		0.1833				6.1		15.0			
Atrazine	0.1548 0.2257	0.1532 0.2171	0.1628 0.2248	0.1818	0.2119	Lin1	-0.014	0.2201							0.9980		0.9900
Hexachlorobenzene	0.1769 0.1866	0.1723 0.1778	0.1696 0.1944	0.1696	0.1839	Ave		0.1770				5.6		15.0			
Pentachlorophenol	 0.0993	 0.0928	0.0239 0.1162	0.0333	0.0639	Lin	-0.135	0.1187							0.9900		0.9900
Pentachloronitrobenzene	0.0594 0.0881	0.0564 0.0842	0.0615 0.0945	0.0677	0.0798	Lin1	-0.007	0.0885							0.9930		0.9900
Phenanthrene	1.0925 1.0945	1.0418 1.0397	1.0233 0.9766	1.0132	1.0804	Ave		1.0356				4.7		15.0			
Anthracene	0.8971 1.0823	0.9253 1.0299	0.8934 0.9695	0.9314	1.0379	Ave		0.9691				6.9		15.0			
Carbazole	0.7928 0.8880	0.7731 0.8327	0.7640 0.8503	0.8035	0.8880	Ave		0.8190				5.9		15.0			
Di-n-butyl phthalate	1.5023 1.2753	1.2227 1.2045	1.1460 1.0845	1.1369	1.2526	Ave		1.2206				10.0		15.0			
Fluoranthene	0.8366 0.9905	0.8205 0.9462	0.8335 0.9750	0.8404	0.9507	Ave		0.8954				7.7		15.0			
Benzidine	0.0824 0.2110	0.0595 0.2271	0.0748 0.3232	0.1096	0.1621	Qua	-0.024	0.1268	0.0099						0.9990		0.9900
Pyrene	1.9104 1.6259	1.6042 1.5345	1.6702 1.4458	1.6371	1.6962	Ave		1.6239				8.4		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-2 Analy Batch No.: 49265

SDG No.: OCRI-10A

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

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Butyl benzyl phthalate	0.6080 0.7656	0.5526 0.7241	0.5705 0.7262	0.6548	0.7443	Ave		0.6741				12.0		15.0			
Bis(2-ethylhexyl) phthalate	0.9100 1.0128	0.6321 0.9515	0.6138 0.9893	0.7854	0.9125	Lin1	-0.058	0.9781							0.9970		0.9900
3,3'-Dichlorobenzidine	0.1685 0.3131	0.1705 0.2928	0.1685 0.3221	0.2095	0.2707	Lin1	-0.032	0.3068							0.9940		0.9900
Benzo[a]anthracene	0.8294 0.9726	0.7926 0.9187	0.8153 0.9421	0.8714	0.9479	Ave		0.8840				7.3		15.0			
Chrysene	0.8784 0.9147	0.8611 0.8645	0.8677 0.8829	0.8150	0.8983	Ave		0.8662				3.9		15.0			
Di-n-octyl phthalate	1.4141 2.4584	1.2167 2.3061	1.2312 2.5639	1.7954	2.2598	Lin1	-0.255	2.4689							0.9960		0.9900
Benzo[b]fluoranthene	1.2866 1.2868	1.0946 1.2316	1.1872 1.3598	1.2150	1.2779	Ave		1.2323				6.5		15.0			
Benzo[k]fluoranthene	1.1599 1.2000	1.0172 1.1579	1.0124 1.2707	1.0893	1.2031	Ave		1.1300				8.0		15.0			
Benzo[a]pyrene	0.7993 0.9660	0.6909 0.9324	0.6981 1.0222	0.7484	0.8750	Ave		0.8404				14.0		15.0			
Indeno[1,2,3-cd]pyrene	0.8355 0.7370	0.5416 0.7463	0.5366 0.7596	0.6115	0.6632	Ave		0.6740				15.0		15.0			
Dibenz(a,h)anthracene	0.6812 0.6071	0.5045 0.6116	0.4240 0.6275	0.4969	0.5307	Ave		0.5548				15.0		15.0			
Benzo[g,h,i]perylene	0.8820 0.5986	0.5901 0.5877	0.4867 0.5977	0.5418	0.5698	Lin1	0.0072	0.5820							0.9970		0.9900
2-Fluorophenol	0.5834 0.4929	0.5278 0.4593	0.5835 0.7384	0.5876	0.5971	Ave		0.5631				15.0		15.0			
Phenol-d5	0.6305 0.6141	0.6917 0.5638	0.6636 +++++	0.6769	0.7305	Ave		0.6480				8.2		15.0			
Nitrobenzene-d5	0.2865 0.2272	0.2685 0.2076	0.2626 +++++	0.2743	0.2878	Ave		0.2563				11.0		15.0			
2-Fluorobiphenyl	1.3950 1.4159	1.2662 1.3330	1.3161 1.3007	1.2857	1.3764	Ave		1.3215				5.1		15.0			
2,4,6-Tribromophenol	0.0522 0.0749	0.0422 0.0707	0.0434 0.0785	0.0509	0.0679	Lin1	-0.007	0.0740							0.9920		0.9900
Terphenyl-d14	1.0735 0.9788	0.8915 0.9158	0.9892 0.8971	0.9685	0.9865	Ave		0.9523				6.7		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-2 Analy Batch No.: 49265

SDG No.: OCRI-10A

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

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49265/3	B10440.D
Level 2	STD025 360-49265/4	B10441.D
Level 3	STD05 360-49265/5	B10442.D
Level 4	STD1 360-49265/6	B10443.D
Level 5	STD25 360-49265/7	B10444.D
Level 6	STD8 360-49265/8	B10445.D
Level 7	STD10 360-49265/9	B10446.D
Level 8	STD20 360-49265/10	B10447.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCB	Qua	9528 438599	16660 425323	22101 764598	49845	125233	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
N-Nitrosodimethylamine	DCB	Ave	7166 874922	19024 850967	31778 1525979	81505	225921	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Pyridine	DCB	Ave	1191266	1177405	28229 +++++	101595	279336	8.00	10.0	0.500 +++++	1.00	2.50
Benzaldehyde	DCB	Ave	7180 876528	18326 871122	30601 +++++	78497	222117	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Phenol	DCB	Ave	12902 1629249	34199 1607327	58916 +++++	147702	406650	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Aniline	DCB	Ave	16142 1947218	39834 1902246	70739 +++++	181728	494145	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Bis(2-chloroethyl)ether	DCB	Ave	11571 1285249	29080 1278568	51100 +++++	123714	323929	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
2-Chlorophenol	DCB	Ave	10673 1383900	29976 1372113	50248 +++++	130202	348265	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
1,4-Dichlorobenzene	DCB	Ave	14879 1660157	38339 1626464	69270 +++++	159335	424989	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
1,3-Dichlorobenzene	DCB	Ave	16026 1733752	40400 1694960	70687 +++++	167645	446662	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Benzyl alcohol	DCB	Ave	5616 1160893	17322 1138644	32624 +++++	91741	273115	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
1,2-Dichlorobenzene	DCB	Lin1	15643 1580661	37555 1548790	64589 +++++	155260	400103	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
2-Methylphenol	DCB	Ave	8839 1284317	26504 1232717	45729 +++++	115632	312564	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
2,2'-oxybis[1-chloropropane]	DCB	Ave	20556 2272687	55482 2226706	95039 +++++	228793	600944	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
3 & 4 Methylphenol	DCB	Ave	10024 1319022	28223 1295161	46398 +++++	117322	323829	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-2 Analy Batch No.: 49265

SDG No.: OCRI-10A

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

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
N-Nitrosodi-n-propylamine	DCB	Ave	6412 995155	18777 959407	32851 +++++	84194	235132	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Acetophenone	DCB	Ave	14186 1837007	39085 1798087	67848 +++++	170449	453571	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Hexachloroethane	DCB	Ave	4822 606803	13222 599438	22775 +++++	57356	153424	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Nitrobenzene	NPT	Ave	10383 1489968	31325 1456311	53954 +++++	139739	380927	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Isophorone	NPT	Ave	17553 2516384	45790 2482165	82265 +++++	213268	620481	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
2,4-Dimethylphenol	NPT	Ave	10094 1444088	27641 1398281	49804 +++++	120821	345816	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
2-Nitrophenol	NPT	Ave	4595 825782	13042 801499	24889 1547647	65849	189214	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Benzoic acid	NPT	Lin1	 503862	 535980	 1514189	2416	31413	 8.00	 10.0	 20.0	1.00	2.50
Bis(2-chloroethoxy)methane	NPT	Ave	12243 1448985	31032 1411977	56672 +++++	137958	363599	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
2,4-Dichlorophenol	NPT	Ave	8740 1144036	22031 1107747	39448 +++++	100590	279438	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
1,2,4-Trichlorobenzene	NPT	Qua	11373 1290408	30337 1279849	52390 2386399	126724	329203	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Alpha-Terpineol	NPT	Ave	9392 1275530	24414 1245422	41538 +++++	111115	308980	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Naphthalene	NPT	Lin	38255 4257495	104521 4187994	176114 +++++	423173	1107574	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
4-Chloroaniline	NPT	Ave	14431 1787557	39569 1772669	63918 +++++	171999	444797	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Hexachlorobutadiene	NPT	Ave	5795 676247	15183 666695	25820 +++++	62784	165419	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Caprolactam	NPT	Ave	2905 600505	8442 589047	14031 +++++	42965	138603	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
4-Chloro-3-methylphenol	NPT	Ave	6858 1165703	21688 1154212	36934 2225390	100405	280295	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2-Methylnaphthalene	NPT	Ave	23047 2889065	63911 2805691	113623 +++++	276524	726241	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
1-Methylnaphthalene	NPT	Ave	23741 2807107	62699 2744671	106129 +++++	266253	708838	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Hexachlorocyclopentadiene	ANT	Lin1	2631 564907	8330 530563	13184 1064701	42415	122303	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
1,2,4,5-Tetrachlorobenzene	NPT	Ave	9440 1150930	25985 1125416	44063 +++++	107954	282712	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-2 Analy Batch No.: 49265

SDG No.: OCRI-10A

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

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,4,6-Trichlorophenol	ANT	Lin1	4414 775509	13120 763205	24181 1476881	65530	185998	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2,4,5-Trichlorophenol	ANT	Lin1	4819 824170	14826 804256	25029 1542511	68597	192322	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
1,1'-Biphenyl	ANT	Ave	28727 3284802	80985 3234972	128651 5612516	320583	841035	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2-Chloronaphthalene	ANT	Ave	25913 3161868	68361 3082209	116016 5783703	290694	810231	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Phenyl ether	NPT	Ave	15683 1850896	40692 1812701	69782 +++++	176095	448465	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
4-Nitroaniline	ANT	Lin1	4927 901512	13647 885807	23847 1705952	69885	211909	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Dimethyl phthalate	ANT	Ave	23785 2980269	64796 2944939	112596 5307566	283661	756300	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2,6-Dinitrotoluene	ANT	Ave	4547 708661	13034 686277	22938 1324010	62203	173343	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Acenaphthylene	ANT	Ave	29126 4138038	86836 4082534	153049 6871356	386275	1039146	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
3-Nitroaniline	ANT	Lin1	3910 697260	11663 681595	21539 1320454	58410	162524	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2,4-Dinitrophenol	ANT	Qua	 243919	 235679	 557344	7510	31399	 8.00	 10.0	 20.0	1.00	2.50
Acenaphthene	ANT	Ave	22691 2842915	64419 2826177	104977 5027591	262691	699440	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
4-Nitrophenol	ANT	Lin1	 416505	 418066	6288 829374	19187	82110	 8.00	 10.0	0.500 20.0	1.00	2.50
2,4-Dinitrotoluene	ANT	Lin1	4043 899942	13764 898979	23120 1766420	69164	210274	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Dibenzofuran	ANT	Ave	32455 3652050	82751 3569484	137345 6135105	346792	923029	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2,3,4,6-Tetrachlorophenol	ANT	Lin1	2457 613295	8287 572237	15479 1163050	44953	133477	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Diethyl phthalate	ANT	Ave	24956 3060104	67725 3023115	114149 5365704	280823	754868	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
4-Chlorophenyl phenyl ether	ANT	Ave	10587 1370313	30207 1361202	52477 2575079	125395	335166	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2-Nitroaniline	ANT	Lin1	3480 820484	10902 798264	19933 1575216	58386	183077	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Fluorene	ANT	Ave	23542 3196669	68939 3199989	112818 5580689	284973	776596	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
4,6-Dinitro-2-methylphenol	PHN	Lin	 411300	 391249	2936 850981	15341	63627	 8.00	 10.0	0.500 20.0	1.00	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-2 Analy Batch No.: 49265

SDG No.: OCRI-10A

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

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Diphenylamine	PHN	Ave	18611 2648570	54149 2617004	93721 4767796	235860	650673	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
N-Nitrosodiphenylamine	PHN	Ave	18611 2648570	54149 2617004	93721 4767796	235860	650673	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
1,2-Diphenylhydrazine	PHN	Ave	32868 4865630	95862 4874816	165113 8488649	438723	1235674	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Azobenzene	PHN	Ave	32868 4865630	95862 4874816	165113 8488649	438723	1235674	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Benzophenone	PHN	Ave	17644 3064364	56366 3015672	98764 5552812	258663	717087	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
4-Bromophenyl phenyl ether	PHN	Ave	6113 721205	15981 709386	25890 1366417	66727	170922	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Atrazine	PHN	Lin1	4887 829953	13925 828421	24268 1548685	68273	197619	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Hexachlorobenzene	PHN	Ave	5584 686133	15660 678656	25276 1339489	63674	171497	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Pentachlorophenol	PHN	Lin	 365216	 354187	3566 800299	12490	59605	 8.00	 10.0	0.500 20.0	1.00	2.50
Pentachloronitrobenzene	PHN	Lin1	1877 324082	5127 321191	9167 651097	25435	74453	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Phenanthrene	PHN	Ave	34493 4025006	94703 3967800	152519 6727870	380489	1007808	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Anthracene	PHN	Ave	28324 3980127	84119 3930513	133154 6678787	349778	968171	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Carbazole	PHN	Ave	25032 3265563	70279 3177795	113874 5857930	301750	828357	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Di-n-butyl phthalate	PHN	Ave	47435 4690003	111150 4596634	170809 7471416	426926	1168450	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Fluoranthene	PHN	Ave	26416 3642430	74587 3611156	124230 6716971	315577	886788	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Benzidine	PHN	Qua	2603 775957	5408 866566	11149 2226293	41144	151233	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Pyrene	CRY	Ave	27702 3803173	80094 3747940	127315 7183007	329384	921425	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Butyl benzyl phthalate	CRY	Ave	8817 1790833	27592 1768565	43492 3608107	131754	404324	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Bis(2-ethylhexyl) phthalate	CRY	Lin1	13196 2369029	31562 2324115	46793 4914932	158020	495696	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
3,3'-Dichlorobenzidine	CRY	Lin1	2443 732423	8512 715117	12846 1600028	42142	147042	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Benzo[a]anthracene	CRY	Ave	12027 2275030	39575 2244007	62150 4680598	175319	514948	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-2 Analy Batch No.: 49265

SDG No.: OCRI-10A

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

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chrysene	CRY	Ave	12738 2139586	42993 2111431	66141 4386350	163980	488001	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Di-n-octyl phthalate	PRY	Lin1	10548 3240103	35078 3172594	48497 6664822	193411	670593	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Benzo[b]fluoranthene	PRY	Ave	9597 1695958	31557 1694446	46761 3534752	130891	379206	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Benzo[k]fluoranthene	PRY	Ave	8652 1581623	29326 1592945	39879 3303168	117343	356999	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Benzo[a]pyrene	PRY	Ave	5962 1273232	19919 1282761	27498 2657127	80622	259661	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Indeno[1,2,3-cd]pyrene	PRY	Ave	6232 971352	15614 1026776	21136 1974687	65872	196799	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Dibenz(a,h)anthracene	PRY	Ave	5081 800166	14544 841357	16700 1631243	53534	157490	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Benzo[g,h,i]perylene	PRY	Lin1	6579 789006	17014 808560	19170 1553628	58369	169094	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2-Fluorophenol	DCB	Ave	9870 1279557	25114 1284616	48827 2244693	122192	327381	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Phenol-d5	DCB	Ave	10667 1594020	32911 1576994	55531 +++++	140770	400524	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Nitrobenzene-d5	NPT	Ave	11701 1503929	30908 1480163	52136 +++++	136156	385960	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
2-Fluorobiphenyl	ANT	Ave	27929 3132573	71350 3069374	123243 5379312	296470	796621	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2,4,6-Tribromophenol	PHN	Lin1	1649 275350	3838 269932	6467 541127	19113	63345	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Terphenyl-d14	CRY	Ave	15566 2289546	44513 2236869	75406 4457120	194867	535886	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10440.D		
Lims ID:	std01	Client ID:	
Inject. Date:	21-Sep-2009 15:55:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	std01		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	49265	Lims Sample ID:	3
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 10:40:56	Calib Date:	21-Sep-2009 15:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10440.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 10:24:14
Reviewed By:	sullivanp	Date:	22-Sep-2009 10:40:56

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.902	7.903	-0.001	338381	2.00	
* 2 Naphthalene-d8	136	9.032	9.033	-0.001	816855	2.00	
* 3 Acenaphthene-d10	164	10.532	10.533	-0.001	400421	2.00	
* 4 Phenanthrene-d10	188	11.802	11.803	-0.001	631479	2.00	
* 5 Chrysene-d12	240	15.399	15.400	-0.001	290016	2.00	
* 6 Perylene-d12	264	17.837	17.842	-0.005	149183	2.00	
$ 7 2-Fluorophenol	112	6.632	6.633	-0.001	9870	0.1079	
$ 8 Phenol-d5	99	7.517	7.523	-0.006	10667	0.1014	
$ 9 Nitrobenzene-d5	82	8.392	8.393	-0.001	11701	0.1097	
$ 10 2-Fluorobiphenyl	172	9.926	9.927	-0.001	27929	0.1073	
$ 11 2,4,6-Tribromophenol	330	11.201	11.202	-0.001	1649	0.0918	
$ 12 Terphenyl-d14	244	13.427	13.428	-0.001	15566	0.1105	
14 1,4-Dioxane	88	4.348	4.349	-0.001	9528	0.1000	
15 N-Nitrosodimethylamine	42	4.935	4.926	0.009	7166	0.1083	
17 Benzaldehyde	105	7.507	7.504	0.003	7180	0.1092	
18 Phenol	94	7.531	7.537	-0.006	12902	0.1091	
19 Aniline	93	7.594	7.595	-0.001	16142	0.1103	
20 Bis(2-chloroethyl)ether	93	7.637	7.633	0.004	11571	0.1000	
21 2-Chlorophenol	128	7.709	7.710	-0.001	10673	0.1064	
22 1,4-Dichlorobenzene	146	7.854	7.850	0.004	14879	0.1000	
23 1,3-Dichlorobenzene	146	7.916	7.917	-0.001	16026	0.1000	
24 Benzyl alcohol	79	8.003	8.004	-0.001	5616	0.1000	
25 1,2-Dichlorobenzene	146	8.060	8.061	-0.001	15643	0.1000	
26 2-Methylphenol	108	8.084	8.085	-0.001	8839	0.1023	
27 2,2'-oxybis[1-chloropropane]	45	8.113	8.114	-0.001	20556	0.1000	
28 3 & 4 Methylphenol	108	8.214	8.215	-0.001	10024	0.1068	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	8.229	8.234	-0.005	6412	0.1000	
30 Acetophenone	105	8.248	8.249	-0.001	14186	0.1075	
31 Hexachloroethane	117	8.368	8.364	0.004	4822	0.1084	
32 Nitrobenzene	77	8.411	8.412	-0.001	10383	0.1044	
33 Isophorone	82	8.604	8.605	-0.001	17553	0.1044	
35 2,4-Dimethylphenol	107	8.681	8.682	-0.001	10094	0.1047	
34 2-Nitrophenol	139	8.690	8.687	0.004	4595	0.0952	
37 Bis(2-chloroethoxy)methane	93	8.762	8.763	-0.001	12243	0.1000	
38 2,4-Dichlorophenol	162	8.888	8.888	0.000	8740	0.1103	
39 1,2,4-Trichlorobenzene	180	8.969	8.970	-0.001	11373	0.1000	
40 Alpha-Terpineol	59	9.017	9.018	-0.001	9392	0.1076	
41 Naphthalene	128	9.051	9.052	-0.001	38255	0.1000	
42 4-Chloroaniline	127	9.070	9.071	-0.001	14431	0.1000	
43 Hexachlorobutadiene	225	9.133	9.134	-0.001	5795	0.1000	
44 Caprolactam	55	9.340	9.360	-0.020	2905	0.1000	
45 4-Chloro-3-methylphenol	107	9.445	9.451	-0.006	6858	0.0963	
46 2-Methylnaphthalene	142	9.638	9.634	0.004	23047	0.1000	
47 1-Methylnaphthalene	142	9.724	9.725	-0.001	23741	0.1000	
48 Hexachlorocyclopentadiene	237	9.763	9.764	-0.001	2631	0.1000	
49 1,2,4,5-Tetrachlorobenzene	216	9.777	9.778	-0.001	9440	0.1000	
50 2,4,6-Trichlorophenol	196	9.859	9.860	-0.001	4414	0.1000	
51 2,4,5-Trichlorophenol	196	9.897	9.898	-0.001	4819	0.1000	
52 1,1'-Biphenyl	154	10.018	10.023	-0.005	28727	0.1053	
53 2-Chloronaphthalene	162	10.061	10.062	-0.001	25913	0.1046	
54 Phenyl ether	170	10.099	10.100	-0.001	15683	0.1000	
68 4-Nitroaniline	138	10.119	10.124	-0.005	4927	0.1000	
56 Dimethyl phthalate	163	10.239	10.240	-0.001	23785	0.1011	
57 2,6-Dinitrotoluene	165	10.306	10.312	-0.006	4547	0.0918	
58 Acenaphthylene	152	10.417	10.422	-0.005	29126	0.0946	
59 3-Nitroaniline	138	10.465	10.466	-0.001	3910	0.1000	
61 Acenaphthene	153	10.561	10.562	-0.001	22691	0.1017	
63 2,4-Dinitrotoluene	165	10.657	10.658	-0.001	4043	0.1000	
64 Dibenzofuran	168	10.705	10.706	-0.001	32455	0.1069	
65 2,3,4,6-Tetrachlorophenol	232	10.797	10.793	0.004	2457	0.1000	
66 Diethyl phthalate	149	10.821	10.826	-0.005	24956	0.1026	
67 4-Chlorophenyl phenyl ether	204	10.965	10.966	-0.001	10587	0.1012	
55 2-Nitroaniline	65	10.984	10.985	-0.001	3480	0.1000	
69 Fluorene	166	10.999	11.000	-0.001	23542	0.0991	
71 Diphenylamine	169	11.056	11.057	-0.001	18611	0.0967	
72 N-Nitrosodiphenylamine	169	11.056	11.057	-0.001	18611	0.0967	
74 Azobenzene	77	11.104	11.101	0.003	32868	0.0938	
73 1,2-Diphenylhydrazine	77	11.104	11.101	0.003	32868	0.0938	
13 Benzophenone	105	11.109	11.110	-0.001	17644	0.1000	
75 4-Bromophenyl phenyl ether	248	11.383	11.384	-0.001	6113	0.1079	
77 Atrazine	200	11.465	11.471	-0.006	4887	0.1000	
76 Hexachlorobenzene	284	11.470	11.471	-0.001	5584	0.1043	
79 Pentachloronitrobenzene	237	11.638	11.634	0.004	1877	0.0891	
80 Phenanthrene	178	11.821	11.822	-0.001	34493	0.1065	
81 Anthracene	178	11.869	11.865	0.004	28324	0.0969	
83 Carbazole	167	11.980	11.981	-0.001	25032	0.1009	
84 Di-n-butyl phthalate	149	12.206	12.207	-0.001	47435	0.1000	
87 Fluoranthene	202	12.999	13.000	-0.001	26416	0.0983	

Report Date: 22-Sep-2009 10:40:57 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10440.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
86 Benzidine	184	13.105	13.101	0.004	2603	0.1000	
85 Pyrene	202	13.302	13.303	-0.001	27702	0.1000	
89 Butyl benzyl phthalate	149	14.144	14.145	0.000	8817	0.0915	
92 Bis(2-ethylhexyl) phthalate	149	15.278	15.284	-0.006	13196	0.0977	
91 3,3'-Dichlorobenzidine	252	15.283	15.283	0.000	2443	0.1000	M
93 Benzo[a]anthracene	228	15.379	15.380	-0.001	12027	0.0978	
94 Chrysene	228	15.442	15.448	-0.006	12738	0.1038	
95 Di-n-octyl phthalate	149	16.336	16.337	-0.001	10548	0.1000	
97 Benzo[b]fluoranthene	252	17.115	17.121	-0.006	9597	0.1055	
98 Benzo[k]fluoranthene	252	17.163	17.169	-0.006	8652	0.1045	
99 Benzo[a]pyrene	252	17.736	17.737	-0.001	5962	0.0981	
100 Indeno[1,2,3-cd]pyrene	276	20.270	20.276	-0.006	6232	0.1000	
101 Dibenz(a,h)anthracene	278	20.304	20.295	0.009	5081	0.1000	
102 Benzo[g,h,i]perylene	276	21.006	21.002	0.004	6579	0.1000	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 22-Sep-2009 10:40:58 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10440.D

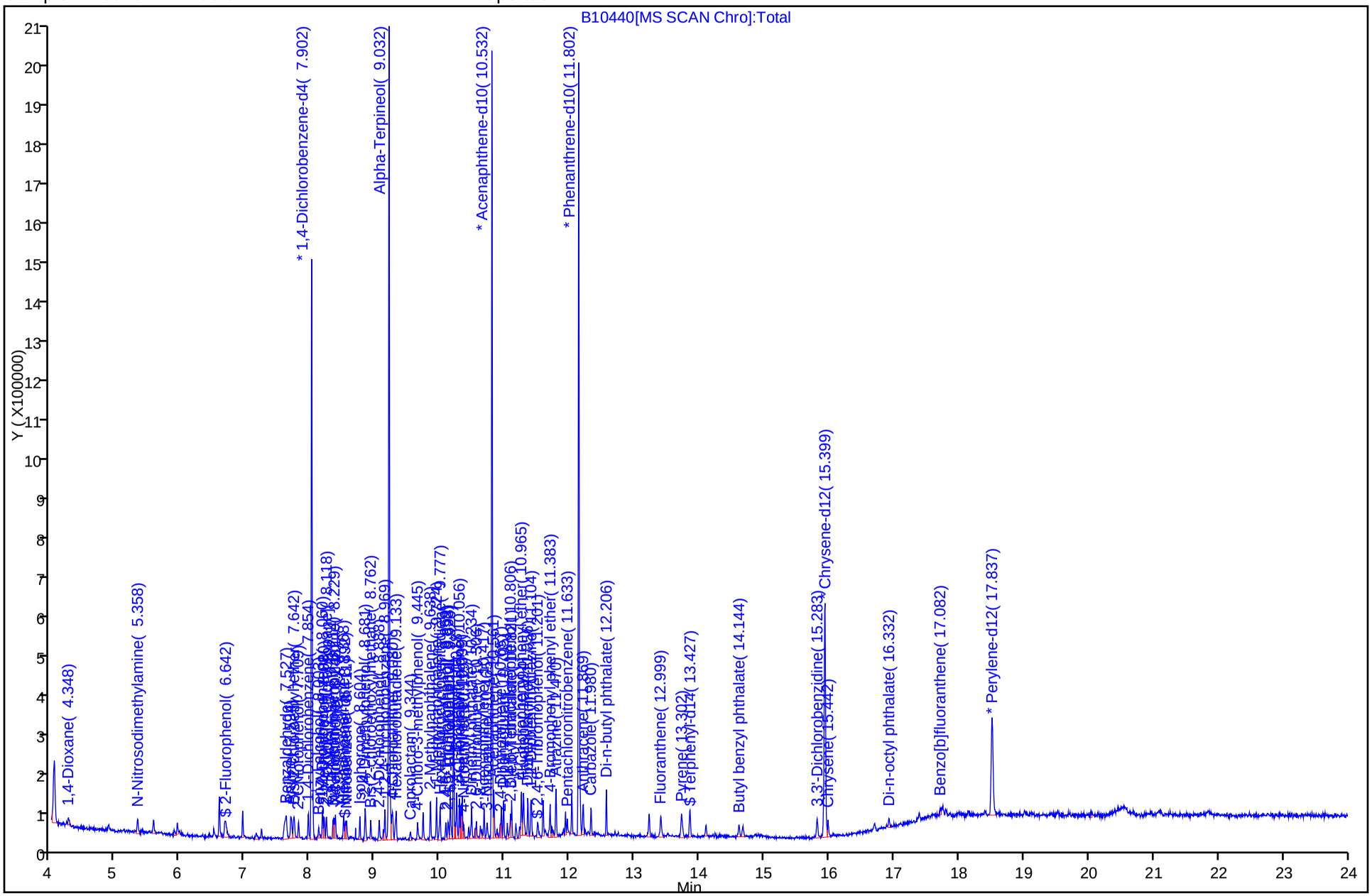
Inj Date: 21-Sep-2009 15:55:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 3

Client ID: Instrument: Inst. B

Sample Info: std01

Sample Amount: 1.00 ul Operator: MZ



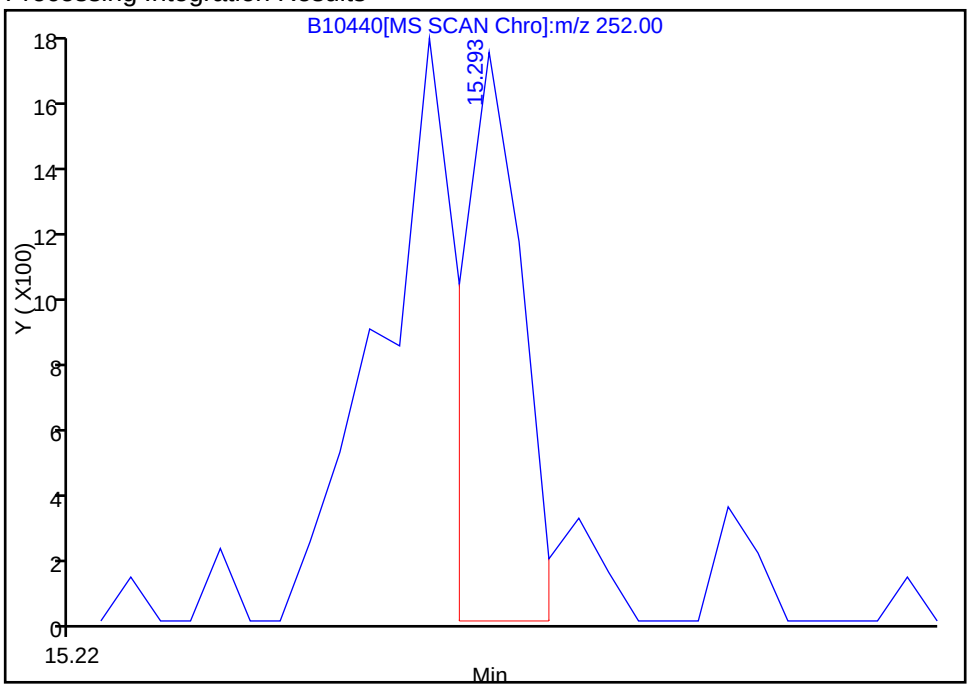
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10440.D		
Inj Date:	21-Sep-2009 15:55:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

91 3,3'-Dichlorobenzidine, Number: 1, m/z: 252 Type: quant, RT: 15.28

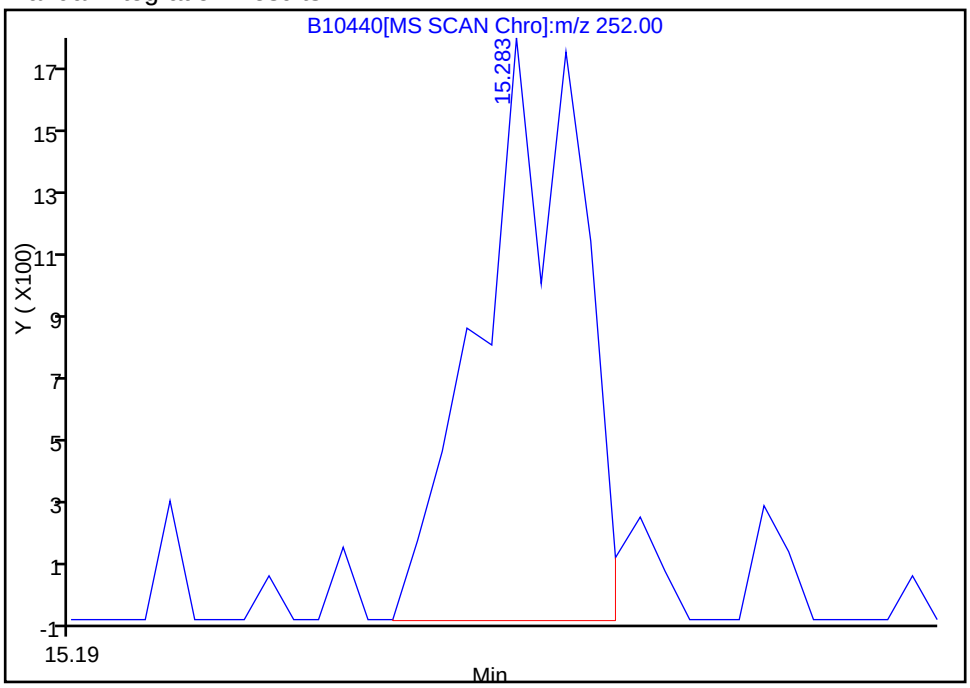
Processing Integration Results

RT: 15.29
Response: 1194
Amount: 0.100000



Manual Integration Results

RT: 15.28
Response: 2443
Amount: 0.100000



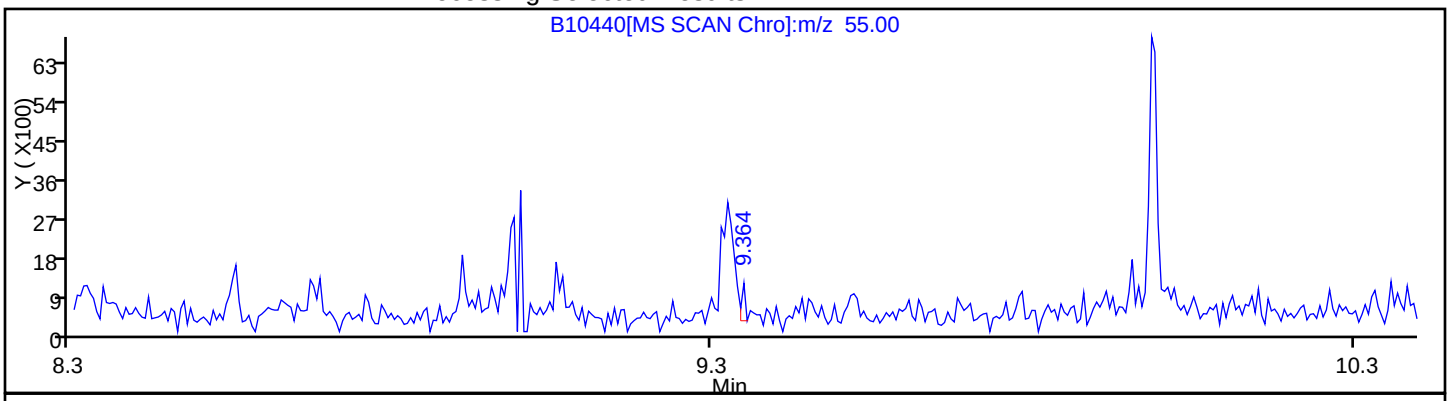
Reviewer: sullivanp, 22-Sep-2009 10:40:56
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

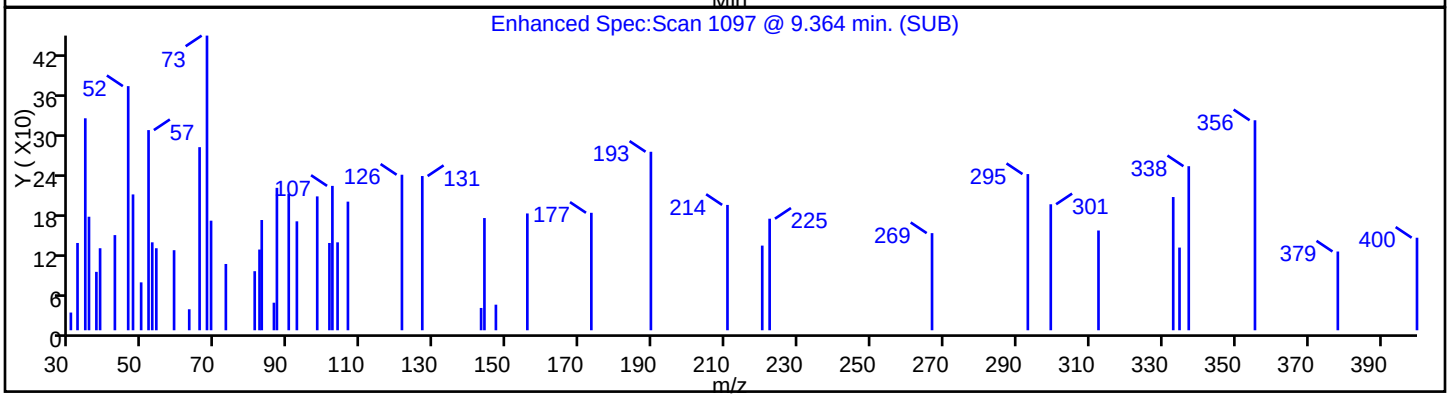
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10440.D		
Inj Date:	21-Sep-2009 15:55:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

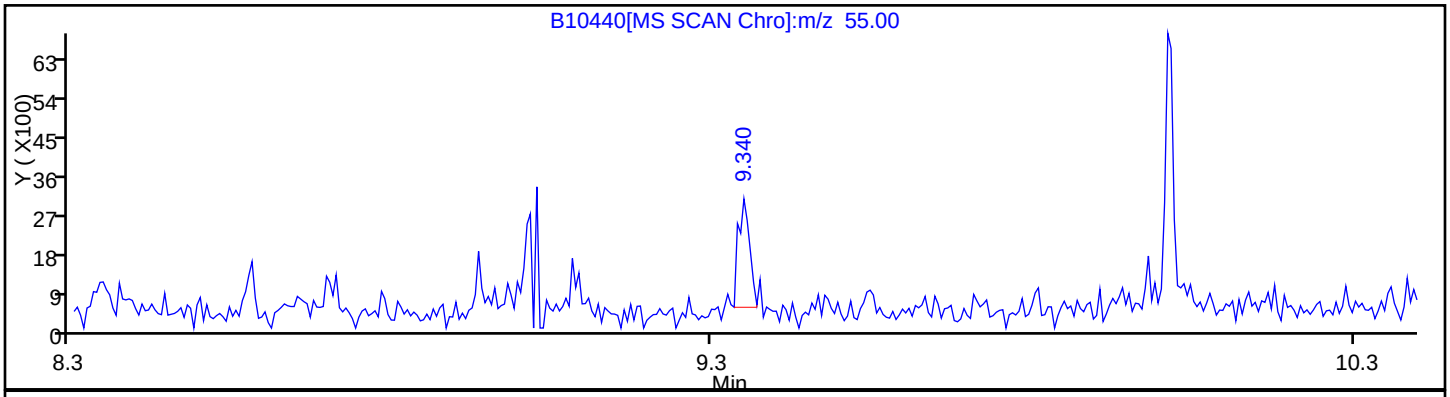
44 Caprolactam

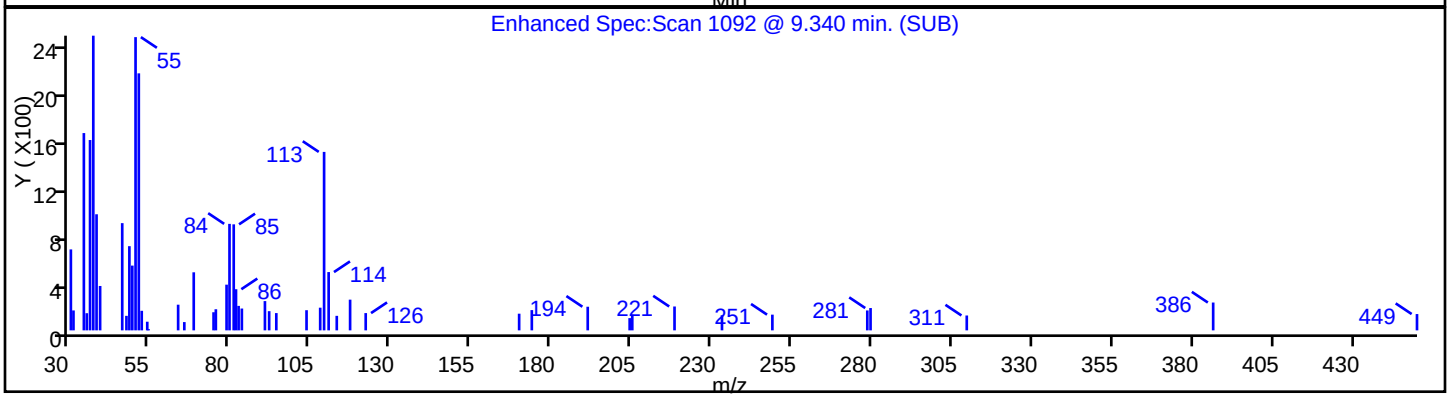
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 22-Sep-2009 10:40:56
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10441.D		
Lims ID:	std025	Client ID:	
Inject. Date:	21-Sep-2009 16:25:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	std025		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	49265	Lims Sample ID:	4
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 10:42:16	Calib Date:	21-Sep-2009 16:25:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10441.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 10:42:16

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.901	7.903	-0.002	380629	2.00	
* 2 Naphthalene-d8	136	9.031	9.033	-0.002	920960	2.00	
* 3 Acenaphthene-d10	164	10.531	10.533	-0.002	450790	2.00	
* 4 Phenanthrene-d10	188	11.801	11.803	-0.002	727260	2.00	
* 5 Chrysene-d12	240	15.398	15.400	-0.002	399430	2.00	
* 6 Perylene-d12	264	17.841	17.842	-0.001	230642	2.00	
$ 7 2-Fluorophenol	112	6.631	6.633	-0.002	25114	0.2460	
$ 8 Phenol-d5	99	7.521	7.523	-0.002	32911	0.2680	
$ 9 Nitrobenzene-d5	82	8.391	8.393	-0.002	30908	0.2547	
$ 10 2-Fluorobiphenyl	172	9.925	9.927	-0.002	71350	0.2457	
$ 11 2,4,6-Tribromophenol	330	11.200	11.202	-0.002	3838	0.2043	
$ 12 Terphenyl-d14	244	13.426	13.428	-0.002	44513	0.2359	
14 1,4-Dioxane	88	4.352	4.349	0.003	16660	0.2702	
15 N-Nitrosodimethylamine	42	4.934	4.926	0.008	19024	0.2538	
17 Benzaldehyde	105	7.507	7.504	0.003	18326	0.2485	
18 Phenol	94	7.531	7.537	-0.006	34199	0.2547	
19 Aniline	93	7.593	7.595	-0.002	39834	0.2446	
20 Bis(2-chloroethyl)ether	93	7.636	7.633	0.003	29080	0.2535	
21 2-Chlorophenol	128	7.709	7.710	-0.001	29976	0.2603	
22 1,4-Dichlorobenzene	146	7.853	7.850	0.003	38339	0.2573	
23 1,3-Dichlorobenzene	146	7.915	7.917	-0.002	40400	0.2652	
24 Benzyl alcohol	79	8.002	8.004	-0.002	17322	0.2353	
25 1,2-Dichlorobenzene	146	8.060	8.061	-0.001	37555	0.2631	
26 2-Methylphenol	108	8.084	8.085	-0.001	26504	0.2647	
27 2,2'-oxybis[1-chloropropane]	45	8.112	8.114	-0.002	55482	0.2649	
28 3 & 4 Methylphenol	108	8.213	8.215	-0.002	28223	0.2613	
29 N-Nitrosodi-n-propylamine	70	8.228	8.234	-0.006	18777	0.2567	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	8.247	8.249	-0.002	39085	0.2587	
31 Hexachloroethane	117	8.367	8.364	0.003	13222	0.2594	
32 Nitrobenzene	77	8.411	8.412	-0.001	31325	0.2689	
33 Isophorone	82	8.603	8.605	-0.002	45790	0.2442	
35 2,4-Dimethylphenol	107	8.680	8.682	-0.002	27641	0.2528	
34 2-Nitrophenol	139	8.690	8.687	0.004	13042	0.2429	
37 Bis(2-chloroethoxy)methane	93	8.762	8.763	-0.001	31032	0.2546	
38 2,4-Dichlorophenol	162	8.887	8.888	-0.001	22031	0.2478	
39 1,2,4-Trichlorobenzene	180	8.968	8.970	-0.002	30337	0.2794	
40 Alpha-Terpineol	59	9.017	9.018	-0.001	24414	0.2487	
41 Naphthalene	128	9.050	9.052	-0.002	104521	0.2856	
42 4-Chloroaniline	127	9.069	9.071	-0.002	39569	0.2631	
43 Hexachlorobutadiene	225	9.137	9.134	0.003	15183	0.2715	
44 Caprolactam	55	9.344	9.360	-0.016	8442	0.2286	
45 4-Chloro-3-methylphenol	107	9.449	9.451	-0.002	21688	0.2630	
46 2-Methylnaphthalene	142	9.637	9.634	0.003	63911	0.2670	
47 1-Methylnaphthalene	142	9.723	9.725	-0.002	62699	0.2624	
48 Hexachlorocyclopentadiene	237	9.762	9.764	-0.002	8330	0.2268	
49 1,2,4,5-Tetrachlorobenzene	216	9.776	9.778	-0.002	25985	0.2843	
50 2,4,6-Trichlorophenol	196	9.863	9.860	0.003	13120	0.2312	
51 2,4,5-Trichlorophenol	196	9.897	9.898	-0.001	14826	0.2448	
52 1,1'-Biphenyl	154	10.022	10.023	-0.001	80985	0.2590	
53 2-Chloronaphthalene	162	10.060	10.062	-0.002	68361	0.2466	
54 Phenyl ether	170	10.103	10.100	0.003	40692	0.2715	
68 4-Nitroaniline	138	10.123	10.124	-0.001	13647	0.2172	
56 Dimethyl phthalate	163	10.238	10.240	-0.002	64796	0.2464	
57 2,6-Dinitrotoluene	165	10.305	10.312	-0.007	13034	0.2389	
58 Acenaphthylene	152	10.421	10.422	-0.001	86836	0.2504	
59 3-Nitroaniline	138	10.464	10.466	-0.002	11663	0.2315	
61 Acenaphthene	153	10.560	10.562	-0.002	64419	0.2543	
63 2,4-Dinitrotoluene	165	10.656	10.658	-0.002	13764	0.2304	
64 Dibenzofuran	168	10.704	10.706	-0.002	82751	0.2447	
65 2,3,4,6-Tetrachlorophenol	232	10.796	10.793	0.003	8287	0.2216	
66 Diethyl phthalate	149	10.820	10.826	-0.006	67725	0.2482	
67 4-Chlorophenyl phenyl ether	204	10.964	10.966	-0.002	30207	0.2543	
55 2-Nitroaniline	65	10.983	10.985	-0.002	10902	0.2178	
69 Fluorene	166	10.998	11.000	-0.002	68939	0.2552	
71 Diphenylamine	169	11.060	11.057	0.003	54149	0.2462	
72 N-Nitrosodiphenylamine	169	11.060	11.057	0.003	54149	0.2462	
74 Azobenzene	77	11.099	11.101	-0.002	95862	0.2415	
73 1,2-Diphenylhydrazine	77	11.099	11.101	-0.002	95862	0.2415	
13 Benzophenone	105	11.108	11.110	-0.002	56366	0.2469	
75 4-Bromophenyl phenyl ether	248	11.382	11.384	-0.002	15981	0.2466	
77 Atrazine	200	11.469	11.471	-0.002	13925	0.2284	
76 Hexachlorobenzene	284	11.469	11.471	-0.002	15660	0.2527	
79 Pentachloronitrobenzene	237	11.637	11.634	0.003	5127	0.2228	
80 Phenanthrene	178	11.820	11.822	-0.002	94703	0.2526	
81 Anthracene	178	11.863	11.865	-0.002	84119	0.2499	
83 Carbazole	167	11.979	11.981	-0.002	70279	0.2473	
84 Di-n-butyl phthalate	149	12.205	12.207	-0.002	111150	0.2360	
87 Fluoranthene	202	13.003	13.000	0.003	74587	0.2439	
86 Benzidine	184	13.099	13.101	-0.002	5408	0.1759	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
85 Pyrene	202	13.301	13.303	-0.002	80094	0.2403	
89 Butyl benzyl phthalate	149	14.143	14.145	-0.001	27592	0.2203	
91 3,3'-Dichlorobenzidine	252	15.287	15.283	0.004	8512	0.2112	
92 Bis(2-ethylhexyl) phthalate	149	15.282	15.284	-0.002	31562	0.1927	
93 Benzo[a]anthracene	228	15.379	15.380	-0.001	39575	0.2389	
94 Chrysene	228	15.441	15.448	-0.007	42993	0.2530	
95 Di-n-octyl phthalate	149	16.340	16.337	0.003	35078	0.1901	
97 Benzo[b]fluoranthene	252	17.119	17.121	-0.002	31557	0.2324	
98 Benzo[k]fluoranthene	252	17.167	17.169	-0.002	29326	0.2357	
99 Benzo[a]pyrene	252	17.735	17.737	-0.002	19919	0.2232	
100 Indeno[1,2,3-cd]pyrene	276	20.269	20.276	-0.007	15614	0.2013	
101 Dibenz(a,h)anthracene	278	20.293	20.295	-0.002	14544	0.2245	
102 Benzo[g,h,i]perylene	276	20.995	21.002	-0.007	17014	0.2277	

Report Date: 22-Sep-2009 10:42:17 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10441.D

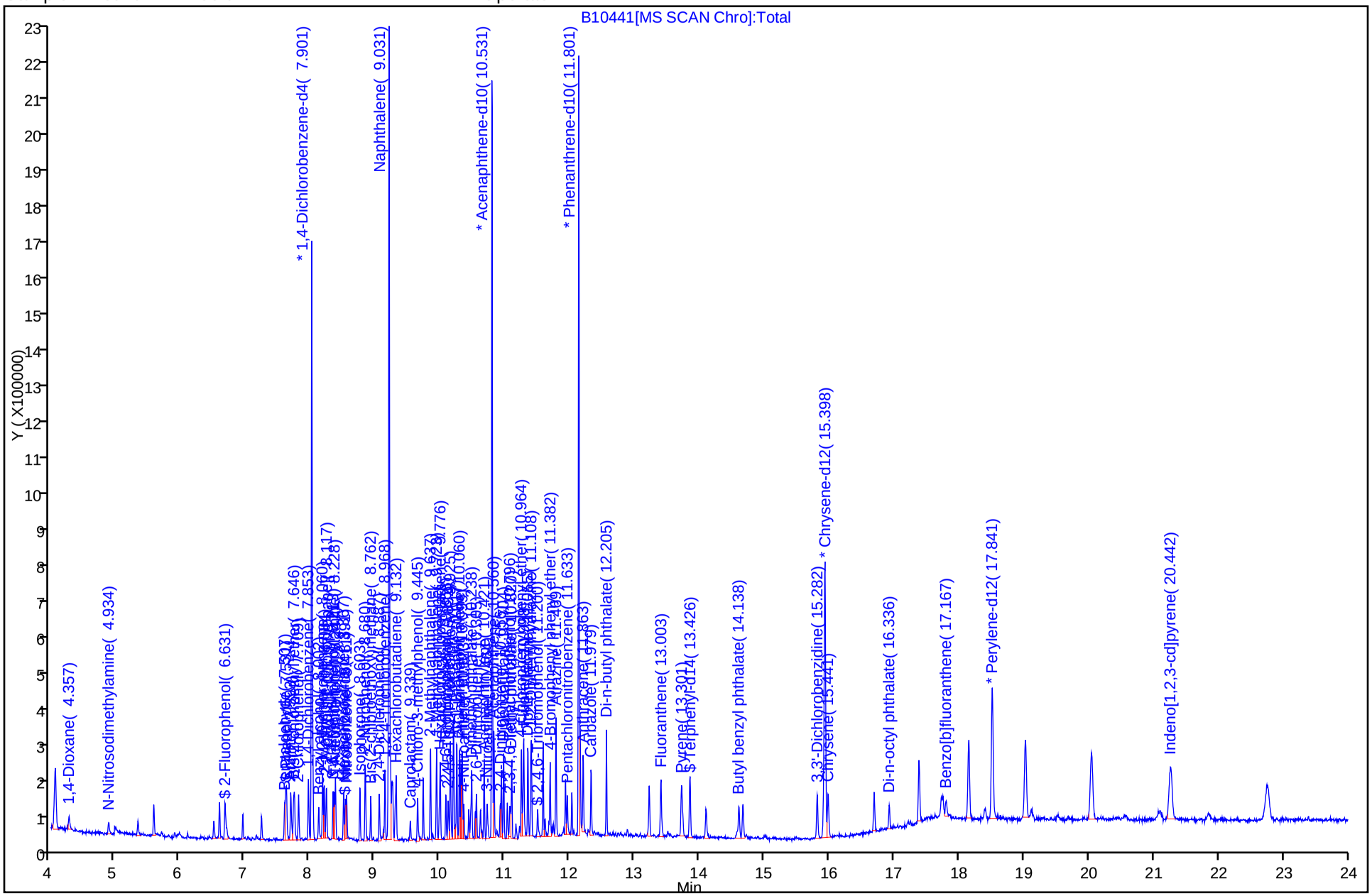
Inj Date: 21-Sep-2009 16:25:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 4

Client ID: Instrument: Inst. B

Sample Info: std025

Sample Amount: 1.00 ul Operator: MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10442.D		
Lims ID:	std05	Client ID:	
Inject. Date:	21-Sep-2009 16:56:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	std05		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	49265	Lims Sample ID:	5
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 10:43:48	Calib Date:	21-Sep-2009 16:56:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10442.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 10:43:48

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.900	7.903	-0.003	334716	2.00	
* 2 Naphthalene-d8	136	9.030	9.033	-0.003	794195	2.00	
* 3 Acenaphthene-d10	164	10.536	10.533	0.003	374562	2.00	
* 4 Phenanthrene-d10	188	11.800	11.803	-0.003	596169	2.00	
* 5 Chrysene-d12	240	15.397	15.400	-0.003	304916	2.00	
* 6 Perylene-d12	264	17.840	17.842	-0.002	157555	2.00	
$ 7 2-Fluorophenol	112	6.631	6.633	-0.002	48827	0.5322	
$ 8 Phenol-d5	99	7.520	7.523	-0.003	55531	0.5107	
$ 9 Nitrobenzene-d5	82	8.391	8.393	-0.002	52136	0.4986	
$ 10 2-Fluorobiphenyl	172	9.925	9.927	-0.002	123243	0.5080	
$ 11 2,4,6-Tribromophenol	330	11.199	11.202	-0.003	6467	0.4011	
$ 12 Terphenyl-d14	244	13.426	13.428	-0.002	75406	0.5174	
14 1,4-Dioxane	88	4.342	4.349	-0.007	22101	0.5115	
15 N-Nitrosodimethylamine	42	4.928	4.926	0.002	31778	0.4864	
16 Pyridine	79	4.991	4.960	0.031	28229	0.5000	
17 Benzaldehyde	105	7.506	7.504	0.002	30601	0.4786	
18 Phenol	94	7.530	7.537	-0.007	58916	0.4992	
19 Aniline	93	7.593	7.595	-0.002	70739	0.4955	
20 Bis(2-chloroethyl)ether	93	7.636	7.633	0.003	51100	0.5050	
21 2-Chlorophenol	128	7.708	7.710	-0.002	50248	0.4971	
22 1,4-Dichlorobenzene	146	7.852	7.850	0.002	69270	0.5213	
23 1,3-Dichlorobenzene	146	7.915	7.917	-0.002	70687	0.5086	
24 Benzyl alcohol	79	8.001	8.004	-0.003	32624	0.5084	
25 1,2-Dichlorobenzene	146	8.059	8.061	-0.002	64589	0.5385	
26 2-Methylphenol	108	8.083	8.085	-0.002	45729	0.5144	
27 2,2'-oxybis[1-chloropropane]	45	8.117	8.114	0.003	95039	0.5119	
28 3 & 4 Methylphenol	108	8.213	8.215	-0.002	46398	0.4913	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	8.232	8.234	-0.002	32851	0.5080	
30 Acetophenone	105	8.247	8.249	-0.002	67848	0.5080	
31 Hexachloroethane	117	8.367	8.364	0.003	22775	0.5060	
32 Nitrobenzene	77	8.410	8.412	-0.002	53954	0.5273	
33 Isophorone	82	8.602	8.605	-0.003	82265	0.5066	
35 2,4-Dimethylphenol	107	8.679	8.682	-0.003	49804	0.5208	
34 2-Nitrophenol	139	8.689	8.687	0.003	24889	0.5277	
37 Bis(2-chloroethoxy)methane	93	8.761	8.763	-0.002	56672	0.5289	
38 2,4-Dichlorophenol	162	8.886	8.888	-0.002	39448	0.5108	
39 1,2,4-Trichlorobenzene	180	8.968	8.970	-0.002	52390	0.5243	
40 Alpha-Terpineol	59	9.016	9.018	-0.002	41538	0.4930	
41 Naphthalene	128	9.050	9.052	-0.002	176114	0.5211	
42 4-Chloroaniline	127	9.069	9.071	-0.002	63918	0.4946	
43 Hexachlorobutadiene	225	9.136	9.134	0.002	25820	0.5136	
44 Caprolactam	55	9.343	9.360	-0.017	14031	0.4574	
45 4-Chloro-3-methylphenol	107	9.449	9.451	-0.002	36934	0.5144	
46 2-Methylnaphthalene	142	9.636	9.634	0.002	113623	0.5370	
47 1-Methylnaphthalene	142	9.723	9.725	-0.002	106129	0.5112	
48 Hexachlorocyclopentadiene	237	9.761	9.764	-0.003	13184	0.4053	
49 1,2,4,5-Tetrachlorobenzene	216	9.776	9.778	-0.002	44063	0.5232	
50 2,4,6-Trichlorophenol	196	9.862	9.860	0.002	24181	0.5139	
51 2,4,5-Trichlorophenol	196	9.896	9.898	-0.002	25029	0.4980	
52 1,1'-Biphenyl	154	10.021	10.023	-0.002	128651	0.4963	
53 2-Chloronaphthalene	162	10.059	10.062	-0.003	116016	0.5028	
54 Phenyl ether	170	10.103	10.100	0.003	69782	0.5161	
68 4-Nitroaniline	138	10.122	10.124	-0.002	23847	0.4239	
56 Dimethyl phthalate	163	10.237	10.240	-0.003	112596	0.5115	
57 2,6-Dinitrotoluene	165	10.305	10.312	-0.007	22938	0.5045	
58 Acenaphthylene	152	10.420	10.422	-0.002	153049	0.5230	
59 3-Nitroaniline	138	10.463	10.466	-0.003	21539	0.5152	
61 Acenaphthene	153	10.564	10.562	0.002	104977	0.4990	
62 4-Nitrophenol	109	10.560	10.562	-0.002	6288	0.5000	
63 2,4-Dinitrotoluene	165	10.656	10.658	-0.002	23120	0.4272	
64 Dibenzofuran	168	10.704	10.706	-0.002	137345	0.4916	
65 2,3,4,6-Tetrachlorophenol	232	10.795	10.793	0.002	15479	0.4389	
66 Diethyl phthalate	149	10.819	10.826	-0.007	114149	0.5025	
67 4-Chlorophenyl phenyl ether	204	10.964	10.966	-0.002	52477	0.5234	
55 2-Nitroaniline	65	10.983	10.985	-0.002	19933	0.4272	
69 Fluorene	166	10.997	11.000	-0.003	112818	0.5019	
70 4,6-Dinitro-2-methylphenol	198	11.002	11.004	-0.002	2936	0.5000	
71 Diphenylamine	169	11.055	11.057	-0.002	93721	0.5147	
72 N-Nitrosodiphenylamine	169	11.055	11.057	-0.002	93721	0.5147	
74 Azobenzene	77	11.103	11.101	0.002	165113	0.5056	
73 1,2-Diphenylhydrazine	77	11.103	11.101	0.002	165113	0.5056	
13 Benzophenone	105	11.108	11.110	-0.002	98764	0.5206	
75 4-Bromophenyl phenyl ether	248	11.382	11.384	-0.002	25890	0.4904	
77 Atrazine	200	11.468	11.471	-0.003	24268	0.4891	
76 Hexachlorobenzene	284	11.468	11.471	-0.003	25276	0.4981	
78 Pentachlorophenol	266	11.622	11.625	-0.003	3566	0.5000	
79 Pentachloronitrobenzene	237	11.632	11.634	-0.002	9167	0.4894	
80 Phenanthrene	178	11.824	11.822	0.002	152519	0.4972	
81 Anthracene	178	11.868	11.865	0.003	133154	0.4868	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.983	11.981	0.002	113874	0.4916	
84 Di-n-butyl phthalate	149	12.204	12.207	-0.003	170809	0.4555	
87 Fluoranthene	202	13.002	13.000	0.002	124230	0.4967	
86 Benzidine	184	13.103	13.101	0.002	11149	0.4006	
85 Pyrene	202	13.301	13.303	-0.002	127315	0.5004	
89 Butyl benzyl phthalate	149	14.142	14.145	-0.002	43492	0.4654	
91 3,3'-Dichlorobenzidine	252	15.291	15.291	0.000	12846	0.3848	M
92 Bis(2-ethylhexyl) phthalate	149	15.287	15.284	0.003	46793	0.4064	
93 Benzo[a]anthracene	228	15.378	15.380	-0.002	62150	0.4936	
94 Chrysene	228	15.445	15.448	-0.003	66141	0.5073	
95 Di-n-octyl phthalate	149	16.335	16.337	-0.002	48497	0.3858	
97 Benzo[b]fluoranthene	252	17.119	17.121	-0.002	46761	0.5030	
98 Benzo[k]fluoranthene	252	17.172	17.169	0.003	39879	0.4765	
99 Benzo[a]pyrene	252	17.739	17.737	0.002	27498	0.4624	
100 Indeno[1,2,3-cd]pyrene	276	20.264	20.276	-0.012	21136	0.4249	
101 Dibenz(a,h)anthracene	278	20.302	20.295	0.007	16700	0.4091	
102 Benzo[g,h,i]perylene	276	21.004	21.002	0.002	19170	0.4291	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 22-Sep-2009 10:43:49 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10442.D

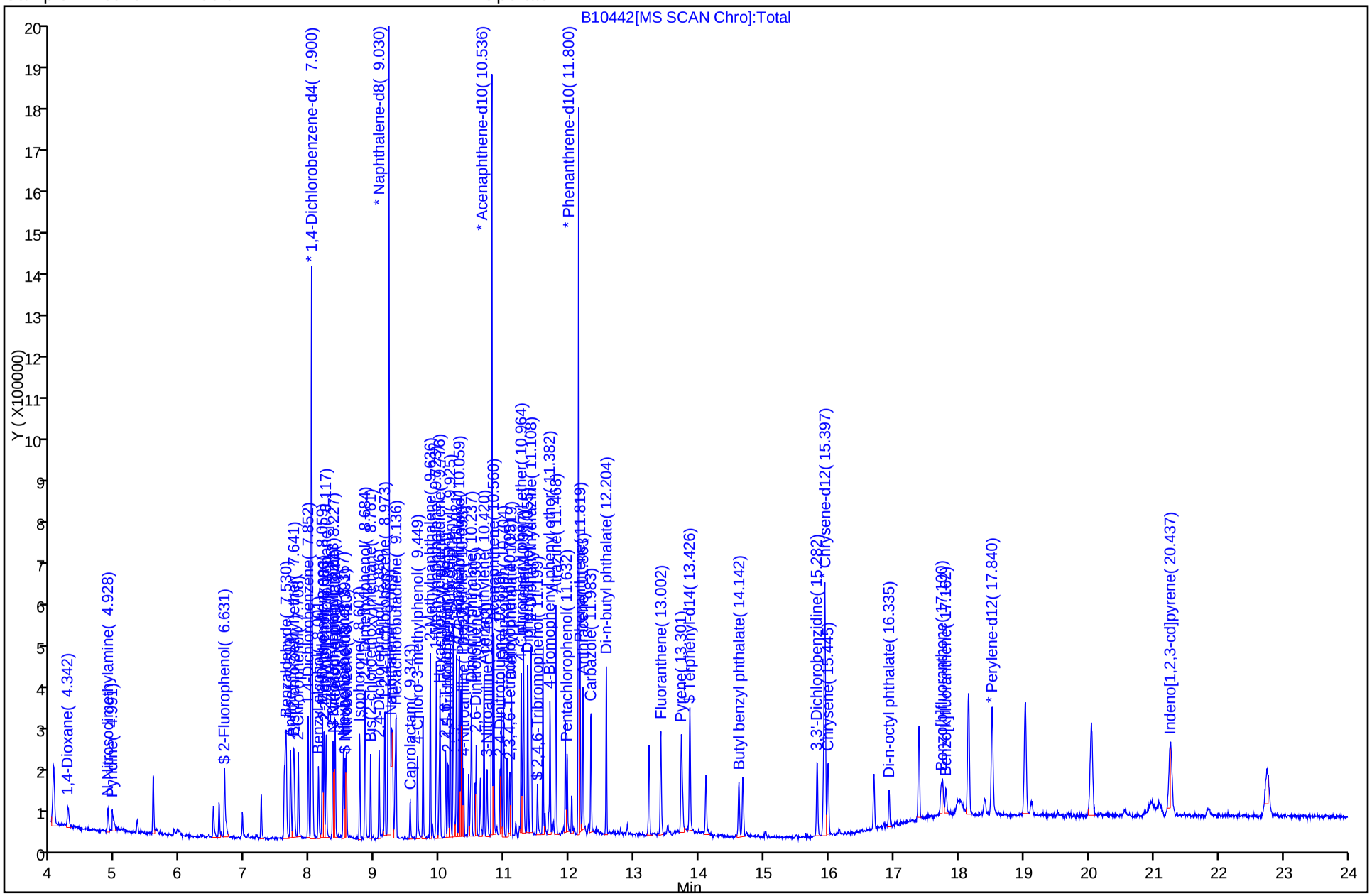
Inj Date: 21-Sep-2009 16:56:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 5

Client ID: Instrument: Inst. B

Sample Info: std05

Sample Amount: 1.00 ul Operator: MZ



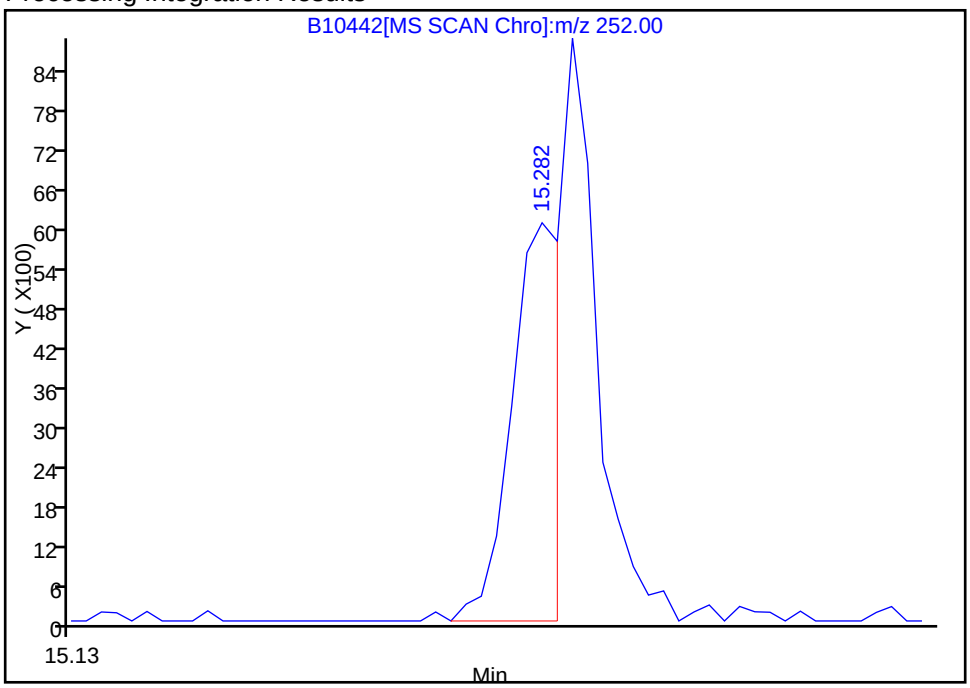
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10442.D		
Inj Date:	21-Sep-2009 16:56:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	std05		
Sample Amount:	1.00 ul	Operator:	MZ

91 3,3'-Dichlorobenzidine, Number: 1, m/z: 252 Type: quant, RT: 15.29

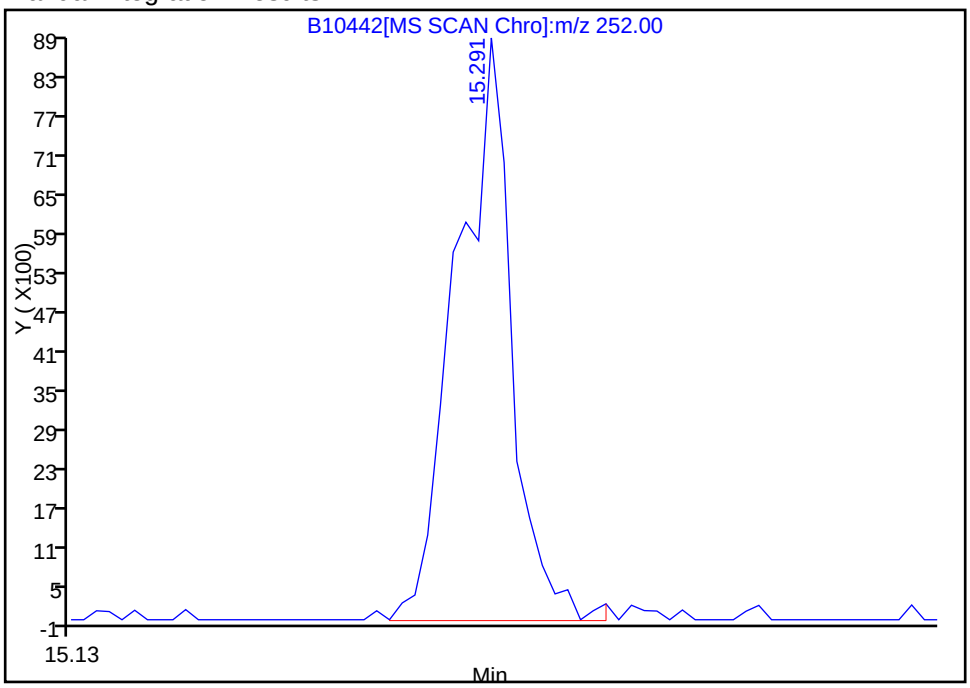
Processing Integration Results

RT: 15.28
Response: 6500
Amount: 0.310117



Manual Integration Results

RT: 15.29
Response: 12846
Amount: 0.384804



Reviewer: sullivanp, 22-Sep-2009 10:43:48
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10443.D		
Lims ID:	std1	Client ID:	
Inject. Date:	21-Sep-2009 17:27:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	std1		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	49265	Lims Sample ID:	6
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 10:44:59	Calib Date:	21-Sep-2009 17:27:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10443.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 10:44:59

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.902	7.903	-0.001	415904	2.00	
* 2 Naphthalene-d8	136	9.032	9.033	-0.001	992723	2.00	
* 3 Acenaphthene-d10	164	10.532	10.533	-0.001	461181	2.00	
* 4 Phenanthrene-d10	188	11.802	11.803	-0.001	751049	2.00	
* 5 Chrysene-d12	240	15.399	15.400	-0.001	402401	2.00	
* 6 Perylene-d12	264	17.837	17.842	-0.005	215456	2.00	
$ 7 2-Fluorophenol	112	6.632	6.633	-0.001	122192	1.06	
$ 8 Phenol-d5	99	7.522	7.523	-0.001	140770	1.03	
$ 9 Nitrobenzene-d5	82	8.392	8.393	-0.001	136156	1.03	
$ 10 2-Fluorobiphenyl	172	9.926	9.927	-0.001	296470	0.99	
$ 11 2,4,6-Tribromophenol	330	11.201	11.202	-0.001	19113	0.8972	
$ 12 Terphenyl-d14	244	13.427	13.428	-0.001	194867	1.01	
14 1,4-Dioxane	88	4.358	4.349	0.009	49845	1.07	
15 N-Nitrosodimethylamine	42	4.930	4.926	0.004	81505	1.00	
16 Pyridine	79	4.978	4.960	0.018	101595	1.11	
17 Benzaldehyde	105	7.503	7.504	-0.001	78497	0.99	
18 Phenol	94	7.531	7.537	-0.006	147702	1.01	
19 Aniline	93	7.594	7.595	-0.001	181728	1.02	
20 Bis(2-chloroethyl)ether	93	7.637	7.633	0.004	123714	0.9871	
21 2-Chlorophenol	128	7.709	7.710	-0.001	130202	1.03	
22 1,4-Dichlorobenzene	146	7.854	7.850	0.004	159335	0.9717	
23 1,3-Dichlorobenzene	146	7.916	7.917	-0.001	167645	0.9765	
24 Benzyl alcohol	79	8.003	8.004	-0.001	91741	1.12	
25 1,2-Dichlorobenzene	146	8.060	8.061	-0.001	155260	0.9688	
26 2-Methylphenol	108	8.084	8.085	-0.001	115632	1.04	
27 2,2'-oxybis[1-chloropropane]	45	8.113	8.114	-0.001	228793	0.99	
28 3 & 4 Methylphenol	108	8.214	8.215	-0.001	117322	1.00	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	8.229	8.234	-0.005	84194	1.04	
30 Acetophenone	105	8.248	8.249	-0.001	170449	1.02	
31 Hexachloroethane	117	8.368	8.364	0.004	57356	1.02	
32 Nitrobenzene	77	8.407	8.412	-0.005	139739	1.07	
33 Isophorone	82	8.604	8.605	-0.001	213268	1.04	
35 2,4-Dimethylphenol	107	8.681	8.682	-0.001	120821	1.01	
34 2-Nitrophenol	139	8.686	8.687	0.000	65849	1.09	
36 Benzoic acid	105	8.705	8.705	0.000	2416	1.00	M
37 Bis(2-chloroethoxy)methane	93	8.762	8.763	-0.001	137958	1.02	
38 2,4-Dichlorophenol	162	8.887	8.888	-0.001	100590	1.03	
39 1,2,4-Trichlorobenzene	180	8.969	8.970	-0.001	126724	1.01	
40 Alpha-Terpineol	59	9.017	9.018	-0.001	111115	1.04	
41 Naphthalene	128	9.051	9.052	-0.001	423173	1.00	
42 4-Chloroaniline	127	9.070	9.071	-0.001	171999	1.05	
43 Hexachlorobutadiene	225	9.138	9.134	0.004	62784	1.00	
44 Caprolactam	55	9.344	9.360	-0.016	42965	1.09	
45 4-Chloro-3-methylphenol	107	9.450	9.451	-0.001	100405	1.09	
46 2-Methylnaphthalene	142	9.638	9.634	0.004	276524	1.04	
47 1-Methylnaphthalene	142	9.724	9.725	-0.001	266253	1.02	
48 Hexachlorocyclopentadiene	237	9.763	9.764	-0.001	42415	0.9729	
49 1,2,4,5-Tetrachlorobenzene	216	9.777	9.778	-0.001	107954	1.02	
50 2,4,6-Trichlorophenol	196	9.859	9.860	-0.001	65530	1.10	
51 2,4,5-Trichlorophenol	196	9.893	9.898	-0.005	68597	1.09	
52 1,1'-Biphenyl	154	10.022	10.023	-0.001	320583	1.00	
53 2-Chloronaphthalene	162	10.061	10.062	-0.001	290694	1.02	
54 Phenyl ether	170	10.099	10.100	-0.001	176095	1.03	
68 4-Nitroaniline	138	10.123	10.124	-0.001	69885	0.9482	
56 Dimethyl phthalate	163	10.239	10.240	-0.001	283661	1.04	
57 2,6-Dinitrotoluene	165	10.306	10.312	-0.006	62203	1.09	
58 Acenaphthylene	152	10.421	10.422	-0.001	386275	1.06	
59 3-Nitroaniline	138	10.465	10.466	-0.001	58410	1.11	
60 2,4-Dinitrophenol	184	10.551	10.552	-0.001	7510	1.00	
61 Acenaphthene	153	10.561	10.562	-0.001	262691	1.01	
62 4-Nitrophenol	109	10.561	10.562	-0.001	19187	0.8744	
63 2,4-Dinitrotoluene	165	10.652	10.658	-0.006	69164	0.9631	
64 Dibenzofuran	168	10.705	10.706	-0.001	346792	1.01	
65 2,3,4,6-Tetrachlorophenol	232	10.797	10.793	0.004	44953	0.9568	
66 Diethyl phthalate	149	10.821	10.826	-0.005	280823	1.00	
67 4-Chlorophenyl phenyl ether	204	10.965	10.966	-0.001	125395	1.01	
55 2-Nitroaniline	65	10.984	10.985	-0.001	58386	0.9405	
69 Fluorene	166	10.999	11.000	-0.001	284973	1.02	
70 4,6-Dinitro-2-methylphenol	198	11.003	11.004	-0.001	15341	0.8990	
71 Diphenylamine	169	11.056	11.057	-0.001	235860	1.02	
72 N-Nitrosodiphenylamine	169	11.056	11.057	-0.001	235860	1.02	
74 Azobenzene	77	11.100	11.101	-0.001	438723	1.05	
73 1,2-Diphenylhydrazine	77	11.100	11.101	-0.001	438723	1.05	
13 Benzophenone	105	11.109	11.110	-0.001	258663	1.06	
75 4-Bromophenyl phenyl ether	248	11.383	11.384	-0.001	66727	1.00	
77 Atrazine	200	11.470	11.471	-0.001	68273	1.07	
76 Hexachlorobenzene	284	11.470	11.471	-0.001	63674	1.00	
78 Pentachlorophenol	266	11.624	11.625	-0.001	12490	0.8700	
79 Pentachloronitrobenzene	237	11.638	11.634	0.004	25435	1.06	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.821	11.822	-0.001	380489	0.9877	
81 Anthracene	178	11.864	11.865	-0.001	349778	1.01	
83 Carbazole	167	11.980	11.981	-0.001	301750	1.03	
84 Di-n-butyl phthalate	149	12.206	12.207	-0.001	426926	0.9215	
87 Fluoranthene	202	12.999	13.000	-0.001	315577	1.00	
86 Benzidine	184	13.100	13.101	-0.001	41144	0.9235	
85 Pyrene	202	13.302	13.303	-0.001	329384	0.9847	
89 Butyl benzyl phthalate	149	14.139	14.145	-0.005	131754	1.05	
92 Bis(2-ethylhexyl) phthalate	149	15.283	15.284	-0.001	158020	0.9215	
91 3,3'-Dichlorobenzidine	252	15.288	15.291	-0.003	42142	0.9012	
93 Benzo[a]anthracene	228	15.379	15.380	-0.001	175319	1.04	
94 Chrysene	228	15.442	15.448	-0.006	163980	0.9621	
95 Di-n-octyl phthalate	149	16.336	16.337	-0.001	193411	0.8901	
97 Benzo[b]fluoranthene	252	17.115	17.121	-0.006	130891	1.02	
98 Benzo[k]fluoranthene	252	17.163	17.169	-0.006	117343	1.02	
99 Benzo[a]pyrene	252	17.731	17.737	-0.006	80622	0.99	
100 Indeno[1,2,3-cd]pyrene	276	20.260	20.276	-0.016	65872	0.9789	
101 Dibenz(a,h)anthracene	278	20.294	20.295	-0.001	53534	0.9818	
102 Benzo[g,h,i]perylene	276	21.006	21.002	0.004	58369	1.02	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 22-Sep-2009 10:44:59 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10443.D

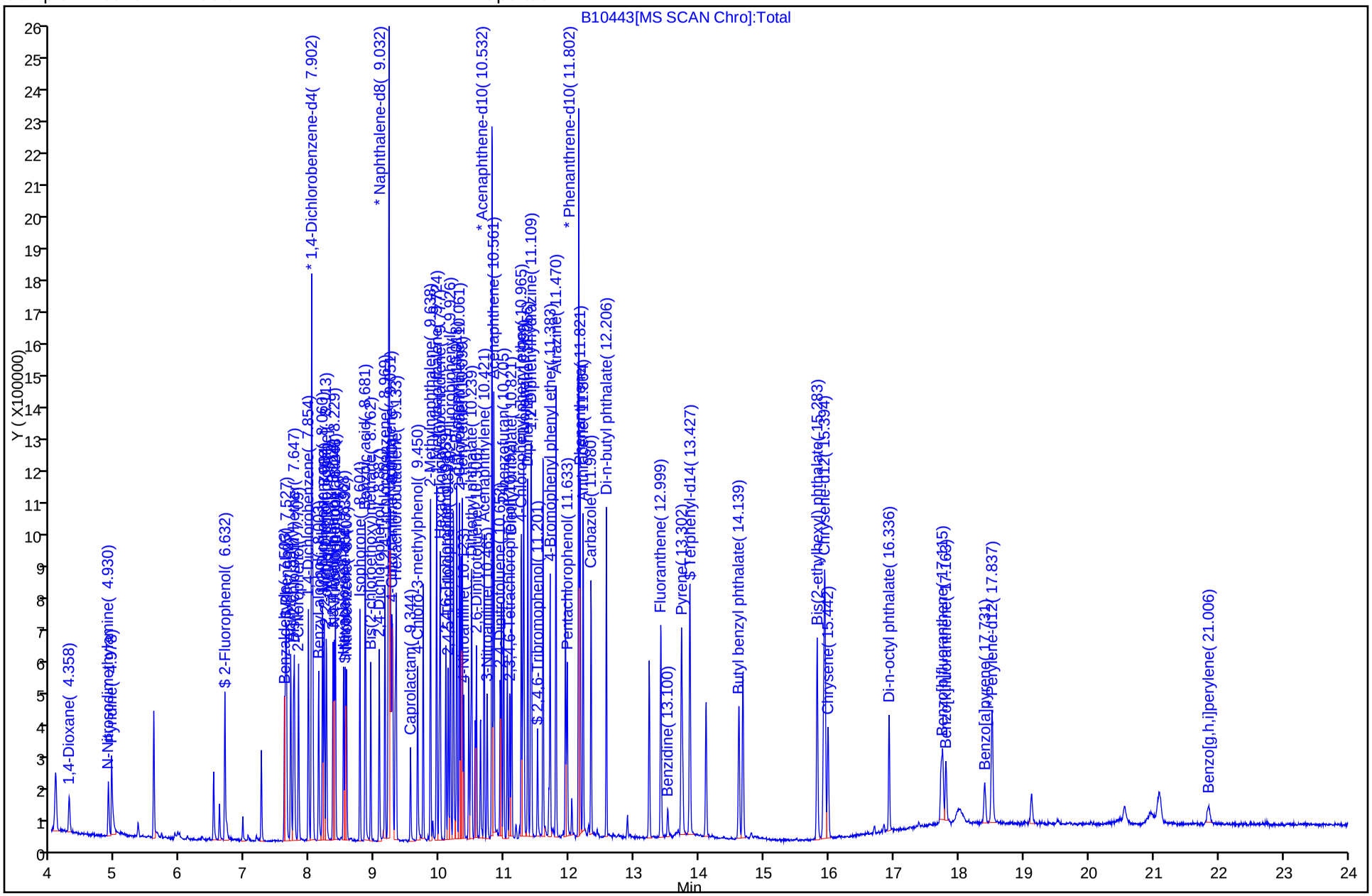
Inj Date: 21-Sep-2009 17:27:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 6

Client ID: Instrument: Inst. B

Sample Info: std1

Sample Amount: 1.00 ul Operator: MZ



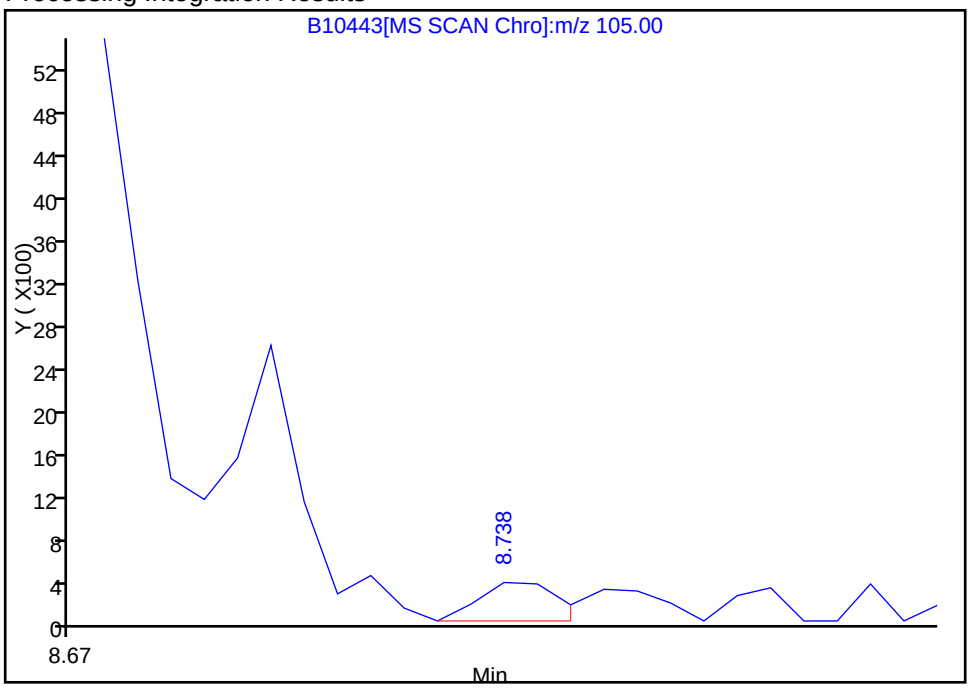
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10443.D		
Inj Date:	21-Sep-2009 17:27:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	6
Client ID:		Instrument:	Inst. B
Sample Info:	std1		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 8.70

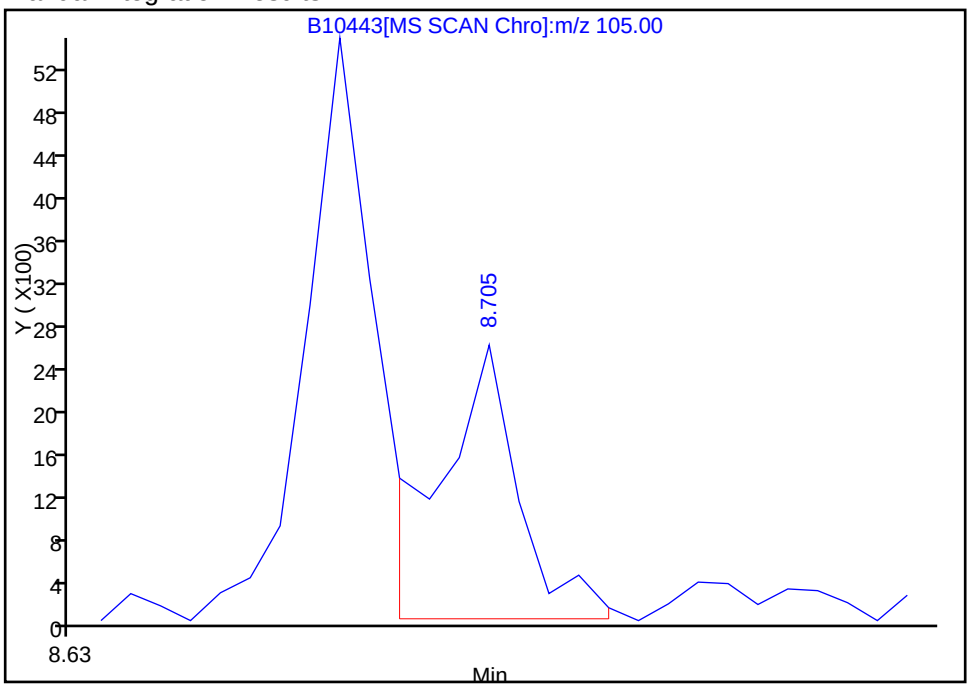
Processing Integration Results

RT: 8.74
Response: 293
Amount: 1.000000



Manual Integration Results

RT: 8.70
Response: 2416
Amount: 1.000000



Reviewer: sullivanp, 22-Sep-2009 10:44:59
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10444.D		
Lims ID:	std2.5	Client ID:	
Inject. Date:	21-Sep-2009 17:58:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	5
Sample ID:	std25		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	49265	Lims Sample ID:	7
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 10:45:58	Calib Date:	21-Sep-2009 17:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10444.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 10:45:58

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.900	7.903	-0.003	438645	2.00	
* 2 Naphthalene-d8	136	9.030	9.033	-0.003	1073015	2.00	
* 3 Acenaphthene-d10	164	10.535	10.533	0.002	463018	2.00	
* 4 Phenanthrene-d10	188	11.800	11.803	-0.003	746244	2.00	
* 5 Chrysene-d12	240	15.397	15.400	-0.003	434594	2.00	
* 6 Perylene-d12	264	17.840	17.842	-0.002	237394	2.00	
$ 7 2-Fluorophenol	112	6.630	6.633	-0.003	327381	2.65	
$ 8 Phenol-d5	99	7.520	7.523	-0.003	400524	2.73	
$ 9 Nitrobenzene-d5	82	8.390	8.393	-0.003	385960	2.67	
$ 10 2-Fluorobiphenyl	172	9.924	9.927	-0.003	796621	2.63	
$ 11 2,4,6-Tribromophenol	330	11.204	11.202	0.002	63345	2.74	
$ 12 Terphenyl-d14	244	13.425	13.428	-0.003	535886	2.56	
14 1,4-Dioxane	88	4.351	4.349	0.002	125233	2.73	
15 N-Nitrosodimethylamine	42	4.928	4.926	0.002	225921	2.61	
16 Pyridine	79	4.967	4.960	0.007	279336	2.67	
17 Benzaldehyde	105	7.506	7.504	0.002	222117	2.63	
18 Phenol	94	7.534	7.537	-0.003	406650	2.60	
19 Aniline	93	7.597	7.595	0.002	494145	2.61	
20 Bis(2-chloroethyl)ether	93	7.635	7.633	0.002	323929	2.46	
21 2-Chlorophenol	128	7.708	7.710	-0.002	348265	2.59	
22 1,4-Dichlorobenzene	146	7.852	7.850	0.002	424989	2.46	
23 1,3-Dichlorobenzene	146	7.919	7.917	0.002	446662	2.47	
24 Benzyl alcohol	79	8.001	8.004	-0.003	273115	3.02	
25 1,2-Dichlorobenzene	146	8.059	8.061	-0.002	400103	2.39	
26 2-Methylphenol	108	8.083	8.085	-0.002	312564	2.63	
27 2,2'-oxybis[1-chloropropane]	45	8.116	8.114	0.002	600944	2.48	
28 3 & 4 Methylphenol	108	8.212	8.215	-0.003	323829	2.60	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	8.232	8.234	-0.002	235132	2.70	
30 Acetophenone	105	8.246	8.249	-0.003	453571	2.56	
31 Hexachloroethane	117	8.366	8.364	0.002	153424	2.57	
32 Nitrobenzene	77	8.410	8.412	-0.002	380927	2.67	
33 Isophorone	82	8.607	8.605	0.002	620481	2.74	
35 2,4-Dimethylphenol	107	8.679	8.682	-0.003	345816	2.64	
34 2-Nitrophenol	139	8.689	8.687	0.003	189214	2.83	
36 Benzoic acid	105	8.713	8.713	0.000	31413	2.50	5
37 Bis(2-chloroethoxy)methane	93	8.765	8.763	0.002	363599	2.50	
38 2,4-Dichlorophenol	162	8.891	8.888	0.003	279438	2.63	
39 1,2,4-Trichlorobenzene	180	8.972	8.970	0.002	329203	2.44	
40 Alpha-Terpineol	59	9.020	9.018	0.002	308980	2.65	
41 Naphthalene	128	9.049	9.052	-0.003	1107574	2.44	
42 4-Chloroaniline	127	9.068	9.071	-0.003	444797	2.51	
43 Hexachlorobutadiene	225	9.136	9.134	0.002	165419	2.45	
44 Caprolactam	55	9.352	9.360	-0.008	138603	2.72	
45 4-Chloro-3-methylphenol	107	9.448	9.451	-0.003	280295	2.76	
46 2-Methylnaphthalene	142	9.636	9.634	0.002	726241	2.51	
47 1-Methylnaphthalene	142	9.727	9.725	0.002	708838	2.51	
48 Hexachlorocyclopentadiene	237	9.766	9.764	0.002	122303	2.63	
49 1,2,4,5-Tetrachlorobenzene	216	9.780	9.778	0.002	282712	2.48	
50 2,4,6-Trichlorophenol	196	9.862	9.860	0.002	185998	2.99	
51 2,4,5-Trichlorophenol	196	9.896	9.898	-0.002	192322	2.93	
52 1,1'-Biphenyl	154	10.021	10.023	-0.002	841035	2.60	
53 2-Chloronaphthalene	162	10.059	10.062	-0.003	810231	2.77	
54 Phenyl ether	170	10.102	10.100	0.002	448465	2.45	
68 4-Nitroaniline	138	10.122	10.124	-0.002	211909	2.68	
56 Dimethyl phthalate	163	10.237	10.240	-0.003	756300	2.71	
57 2,6-Dinitrotoluene	165	10.309	10.312	-0.003	173343	2.92	
58 Acenaphthylene	152	10.420	10.422	-0.002	1039146	2.77	
59 3-Nitroaniline	138	10.463	10.466	-0.003	162524	2.95	
60 2,4-Dinitrophenol	184	10.550	10.552	-0.002	31399	2.28	
61 Acenaphthene	153	10.564	10.562	0.002	699440	2.65	
62 4-Nitrophenol	109	10.559	10.562	-0.003	82110	2.58	
63 2,4-Dinitrotoluene	165	10.655	10.658	-0.003	210274	2.71	
64 Dibenzofuran	168	10.703	10.706	-0.003	923029	2.64	
65 2,3,4,6-Tetrachlorophenol	232	10.795	10.793	0.002	133477	2.64	
66 Diethyl phthalate	149	10.824	10.826	-0.002	754868	2.65	
67 4-Chlorophenyl phenyl ether	204	10.963	10.966	-0.003	335166	2.66	
55 2-Nitroaniline	65	10.982	10.985	-0.003	183077	2.71	
69 Fluorene	166	10.997	11.000	-0.003	776596	2.73	
70 4,6-Dinitro-2-methylphenol	198	11.002	11.004	-0.002	63627	2.41	
71 Diphenylamine	169	11.059	11.057	0.002	650673	2.78	
72 N-Nitrosodiphenylamine	169	11.059	11.057	0.002	650673	2.78	
74 Azobenzene	77	11.103	11.101	0.002	1235674	2.89	
73 1,2-Diphenylhydrazine	77	11.103	11.101	0.002	1235674	2.89	
13 Benzophenone	105	11.112	11.110	0.002	717087	2.88	
75 4-Bromophenyl phenyl ether	248	11.386	11.384	0.002	170922	2.57	
77 Atrazine	200	11.468	11.471	-0.003	197619	3.00	
76 Hexachlorobenzene	284	11.473	11.471	0.002	171497	2.67	
78 Pentachlorophenol	266	11.622	11.625	-0.003	59605	2.42	
79 Pentachloronitrobenzene	237	11.636	11.634	0.002	74453	3.00	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.824	11.822	0.002	1007808	2.61	
81 Anthracene	178	11.867	11.865	0.002	968171	2.76	
83 Carbazole	167	11.983	11.981	0.002	828357	2.77	
84 Di-n-butyl phthalate	149	12.204	12.207	-0.003	1168450	2.53	
87 Fluoranthene	202	13.002	13.000	0.002	886788	2.77	
86 Benzidine	184	13.103	13.101	0.002	151233	2.67	
85 Pyrene	202	13.305	13.303	0.002	921425	2.54	
89 Butyl benzyl phthalate	149	14.142	14.145	-0.002	404324	2.90	
92 Bis(2-ethylhexyl) phthalate	149	15.281	15.284	-0.003	495696	2.52	
91 3,3'-Dichlorobenzidine	252	15.286	15.286	0.000	147042	2.63	
93 Benzo[a]anthracene	228	15.378	15.380	-0.002	514948	2.78	
94 Chrysene	228	15.445	15.448	-0.003	488001	2.62	
95 Di-n-octyl phthalate	149	16.335	16.337	-0.002	670593	2.45	
97 Benzo[b]fluoranthene	252	17.123	17.121	0.002	379206	2.66	
98 Benzo[k]fluoranthene	252	17.166	17.169	-0.003	356999	2.76	
99 Benzo[a]pyrene	252	17.734	17.737	-0.003	259661	2.83	
100 Indeno[1,2,3-cd]pyrene	276	20.268	20.276	-0.008	196799	2.62	
101 Dibenz(a,h)anthracene	278	20.302	20.295	0.007	157490	2.60	
102 Benzo[g,h,i]perylene	276	20.999	21.002	-0.003	169094	2.70	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 22-Sep-2009 10:45:59 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10444.D

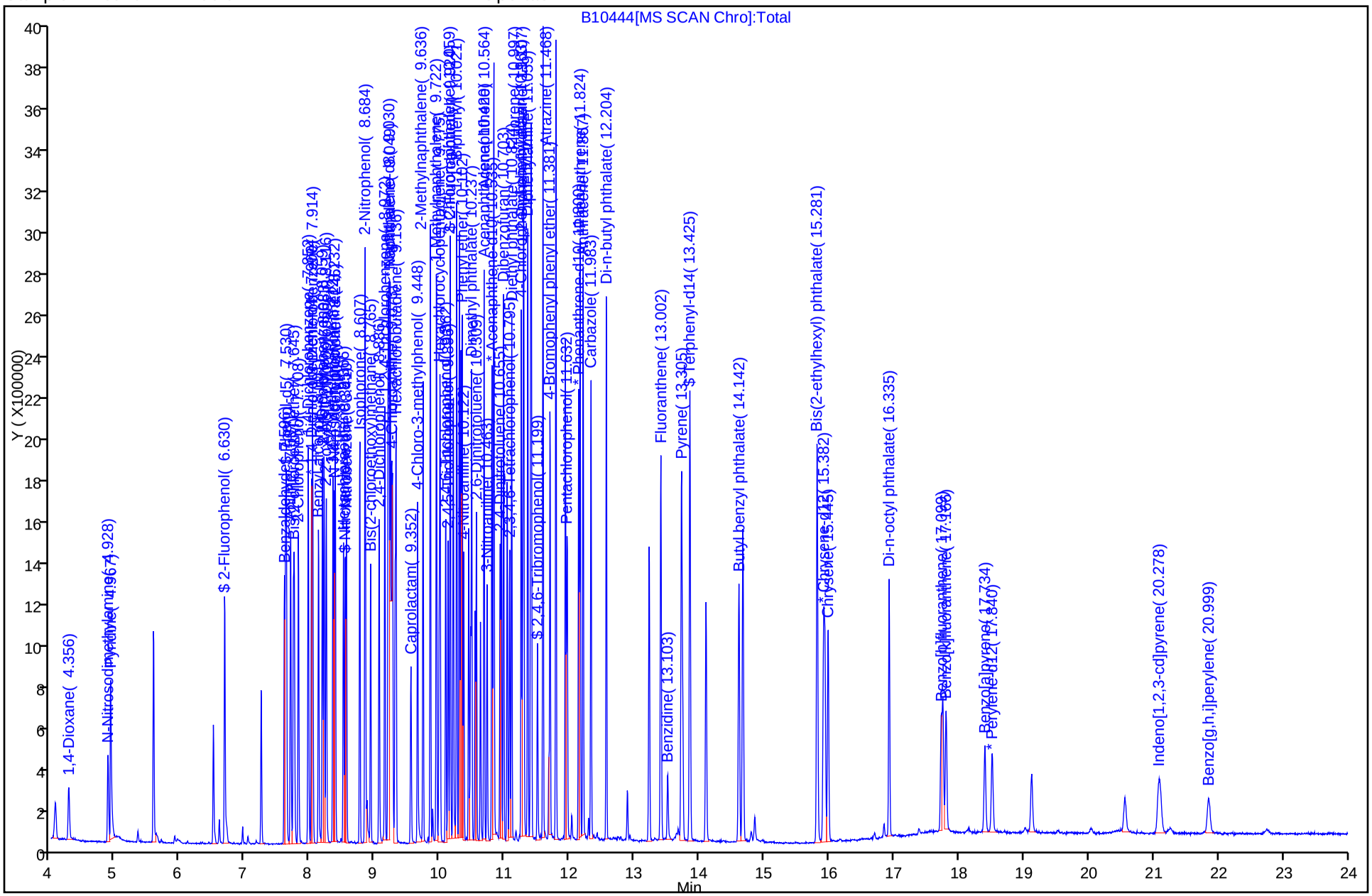
Inj Date: 21-Sep-2009 17:58:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 7

Client ID: Instrument: Inst. B

Sample Info: std25

Sample Amount: 1.00 ul Operator: MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10445.D		
Lims ID:	std8	Client ID:	
Inject. Date:	21-Sep-2009 18:29:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	std8		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	49265	Lims Sample ID:	8
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 10:51:11	Calib Date:	21-Sep-2009 18:29:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10445.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 10:51:11

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.902	7.903	-0.001	648939	2.00	
* 2 Naphthalene-d8	136	9.032	9.033	-0.001	1654636	2.00	
* 3 Acenaphthene-d10	164	10.537	10.533	0.004	553097	2.00	
* 4 Phenanthrene-d10	188	11.802	11.803	-0.001	919364	2.00	
* 5 Chrysene-d12	240	15.404	15.400	0.004	584779	2.00	
* 6 Perylene-d12	264	17.842	17.842	0.000	329496	2.00	
$ 7 2-Fluorophenol	112	6.637	6.633	0.004	1279557	7.13	
$ 8 Phenol-d5	99	7.527	7.523	0.004	1594020	7.44	
$ 9 Nitrobenzene-d5	82	8.397	8.393	0.004	1503929	6.91	
$ 10 2-Fluorobiphenyl	172	9.926	9.927	-0.001	3132573	8.56	5
$ 11 2,4,6-Tribromophenol	330	11.205	11.202	0.003	275350	8.37	5
$ 12 Terphenyl-d14	244	13.427	13.428	-0.001	2289546	8.11	5
14 1,4-Dioxane	88	4.372	4.349	0.023	438599	7.82	
15 N-Nitrosodimethylamine	42	4.940	4.926	0.014	874922	6.98	
16 Pyridine	79	4.968	4.960	0.008	1191266	8.12	5
17 Benzaldehyde	105	7.507	7.504	0.003	876528	7.14	
18 Phenol	94	7.541	7.537	0.004	1629249	7.17	
19 Aniline	93	7.599	7.595	0.004	1947218	7.08	
20 Bis(2-chloroethyl)ether	93	7.637	7.633	0.004	1285249	6.76	5
21 2-Chlorophenol	128	7.714	7.710	0.004	1383900	7.09	
22 1,4-Dichlorobenzene	146	7.854	7.850	0.004	1660157	6.69	
23 1,3-Dichlorobenzene	146	7.916	7.917	-0.001	1733752	6.67	
24 Benzyl alcohol	79	8.008	8.004	0.004	1160893	8.58	5
25 1,2-Dichlorobenzene	146	8.061	8.061	-0.001	1580661	6.57	
26 2-Methylphenol	108	8.089	8.085	0.004	1284317	7.40	
27 2,2'-oxybis[1-chloropropane]	45	8.118	8.114	0.004	2272687	6.53	
28 3 & 4 Methylphenol	108	8.219	8.215	0.004	1319022	7.26	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	8.238	8.234	0.004	995155	7.77	
30 Acetophenone	105	8.253	8.249	0.004	1837007	7.14	
31 Hexachloroethane	117	8.368	8.364	0.004	606803	7.02	
32 Nitrobenzene	77	8.412	8.412	0.000	1489968	6.92	
33 Isophorone	82	8.609	8.605	0.004	2516384	7.32	
35 2,4-Dimethylphenol	107	8.686	8.682	0.004	1444088	7.26	
34 2-Nitrophenol	139	8.690	8.687	0.004	825782	8.00	
36 Benzoic acid	105	8.743	8.705	0.038	503862	7.97	
37 Bis(2-chloroethoxy)methane	93	8.767	8.763	0.004	1448985	6.64	
38 2,4-Dichlorophenol	162	8.892	8.888	0.004	1144036	7.11	
39 1,2,4-Trichlorobenzene	180	8.974	8.970	0.004	1290408	6.41	
40 Alpha-Terpineol	59	9.022	9.018	0.004	1275530	7.22	
41 Naphthalene	128	9.051	9.052	-0.001	4257495	6.29	
42 4-Chloroaniline	127	9.075	9.071	0.004	1787557	6.72	
43 Hexachlorobutadiene	225	9.138	9.134	0.004	676247	6.67	
44 Caprolactam	55	9.373	9.360	0.013	600505	8.62	5
45 4-Chloro-3-methylphenol	107	9.455	9.451	0.004	1165703	7.53	
46 2-Methylnaphthalene	142	9.638	9.634	0.004	2889065	6.67	
47 1-Methylnaphthalene	142	9.724	9.725	-0.001	2807107	6.63	
48 Hexachlorocyclopentadiene	237	9.763	9.764	-0.001	564907	8.05	5
49 1,2,4,5-Tetrachlorobenzene	216	9.782	9.778	0.004	1150930	6.71	
50 2,4,6-Trichlorophenol	196	9.864	9.860	0.004	775509	8.59	5
51 2,4,5-Trichlorophenol	196	9.897	9.898	-0.001	824170	10.1	5
52 1,1'-Biphenyl	154	10.022	10.023	-0.001	3284802	8.43	5
53 2-Chloronaphthalene	162	10.061	10.062	-0.001	3161868	8.88	5
54 Phenyl ether	170	10.104	10.100	0.004	1850896	6.72	
68 4-Nitroaniline	138	10.128	10.124	0.004	901512	8.64	5
56 Dimethyl phthalate	163	10.244	10.240	0.004	2980269	8.79	5
57 2,6-Dinitrotoluene	165	10.311	10.312	-0.001	708661	9.64	5
58 Acenaphthylene	152	10.422	10.422	0.000	4138038	9.04	5
59 3-Nitroaniline	138	10.470	10.466	0.004	697260	8.66	5
60 2,4-Dinitrophenol	184	10.551	10.552	-0.001	243919	8.01	5
61 Acenaphthene	153	10.566	10.562	0.004	2842915	8.86	5
62 4-Nitrophenol	109	10.566	10.562	0.004	416505	8.03	5
63 2,4-Dinitrotoluene	165	10.657	10.658	-0.001	899942	8.38	5
64 Dibenzofuran	168	10.710	10.706	0.004	3652050	8.63	5
65 2,3,4,6-Tetrachlorophenol	232	10.797	10.793	0.004	613295	8.05	5
66 Diethyl phthalate	149	10.826	10.826	0.000	3060104	8.85	5
67 4-Chlorophenyl phenyl ether	204	10.965	10.966	-0.001	1370313	8.93	5
55 2-Nitroaniline	65	10.994	10.985	0.009	820484	8.06	5
69 Fluorene	166	10.999	11.000	-0.001	3196669	9.17	5
70 4,6-Dinitro-2-methylphenol	198	11.008	11.004	0.004	411300	8.02	5
71 Diphenylamine	169	11.061	11.057	0.004	2648570	8.98	5
72 N-Nitrosodiphenylamine	169	11.061	11.057	0.004	2648570	8.98	5
74 Azobenzene	77	11.104	11.101	0.003	4865630	9.04	5
73 1,2-Diphenylhydrazine	77	11.104	11.101	0.003	4865630	9.04	5
13 Benzophenone	105	11.114	11.110	0.004	3064364	9.65	5
75 4-Bromophenyl phenyl ether	248	11.388	11.384	0.004	721205	8.68	5
77 Atrazine	200	11.475	11.471	0.004	829953	8.50	5
76 Hexachlorobenzene	284	11.475	11.471	0.004	686133	8.56	5
78 Pentachlorophenol	266	11.624	11.625	-0.001	365216	8.02	5
79 Pentachloronitrobenzene	237	11.638	11.634	0.004	324082	8.63	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.826	11.822	0.004	4025006	8.39	5
81 Anthracene	178	11.869	11.865	0.004	3980127	9.02	5
83 Carbazole	167	11.984	11.981	0.003	3265563	8.74	5
84 Di-n-butyl phthalate	149	12.206	12.207	-0.001	4690003	8.21	5
87 Fluoranthene	202	13.004	13.000	0.004	3642430	9.04	5
86 Benzidine	184	13.105	13.101	0.004	775957	8.08	5
85 Pyrene	202	13.307	13.303	0.004	3803173	7.83	
89 Butyl benzyl phthalate	149	14.144	14.145	0.000	1790833	9.29	5
92 Bis(2-ethylhexyl) phthalate	149	15.283	15.284	-0.001	2369029	8.39	5
91 3,3'-Dichlorobenzidine	252	15.288	15.291	-0.003	732423	8.32	5
93 Benzo[a]anthracene	228	15.384	15.380	0.004	2275030	8.94	5
94 Chrysene	228	15.452	15.448	0.004	2139586	8.47	5
95 Di-n-octyl phthalate	149	16.336	16.337	-0.001	3240103	8.24	5
97 Benzo[b]fluoranthene	252	17.130	17.121	0.009	1695958	8.48	5
98 Benzo[k]fluoranthene	252	17.173	17.169	0.004	1581623	8.68	5
99 Benzo[a]pyrene	252	17.736	17.737	-0.001	1273232	9.65	5
100 Indeno[1,2,3-cd]pyrene	276	20.275	20.276	-0.001	971352	8.60	5
101 Dibenz(a,h)anthracene	278	20.304	20.295	0.009	800166	8.70	5
102 Benzo[g,h,i]perylene	276	21.015	21.002	0.013	789006	8.55	5

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 22-Sep-2009 10:51:12 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10445.D

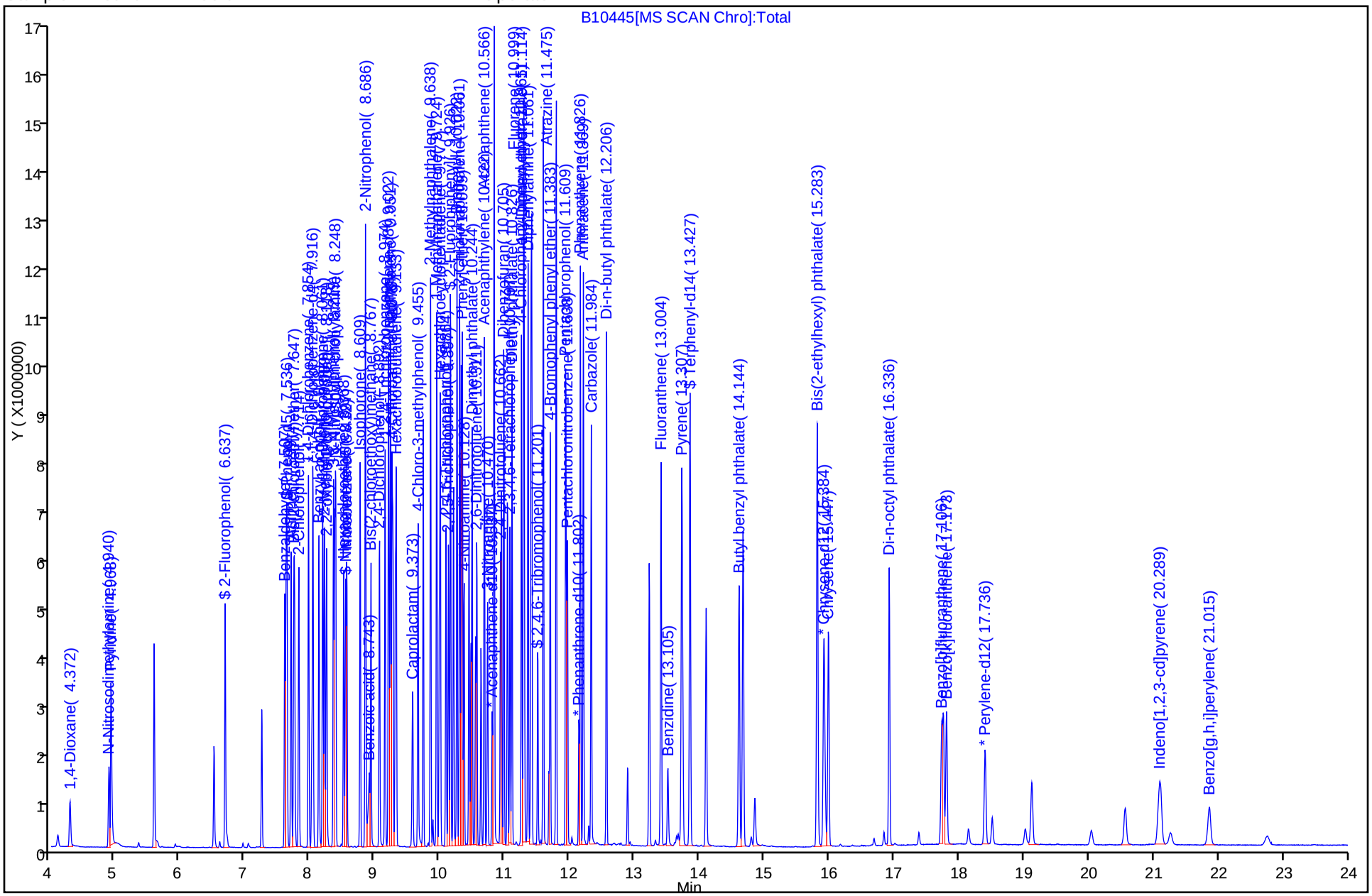
Inj Date: 21-Sep-2009 18:29:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 8

Client ID: Instrument: Inst. B

Sample Info: std8

Sample Amount: 1.00 ul Operator: MZ

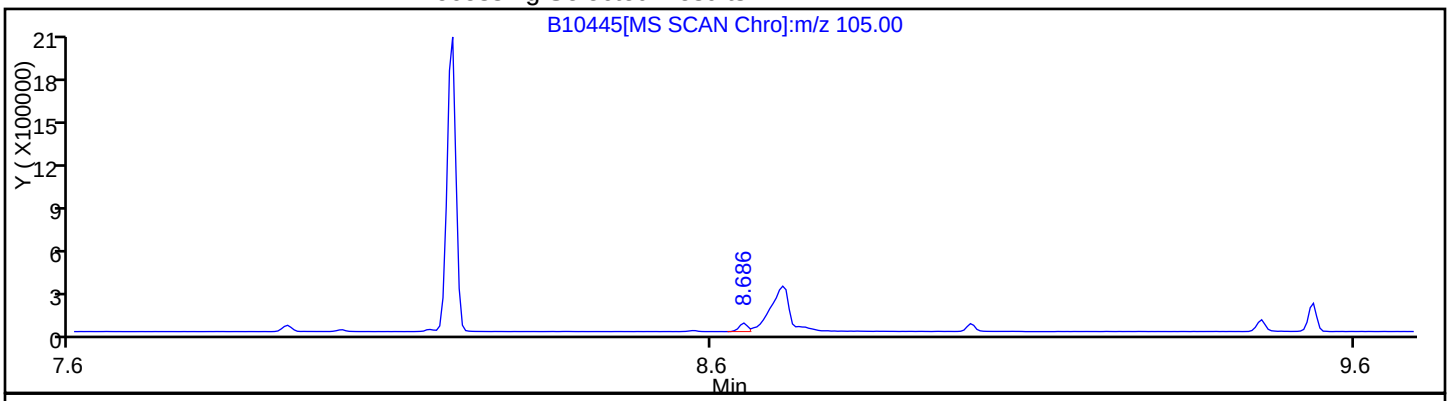


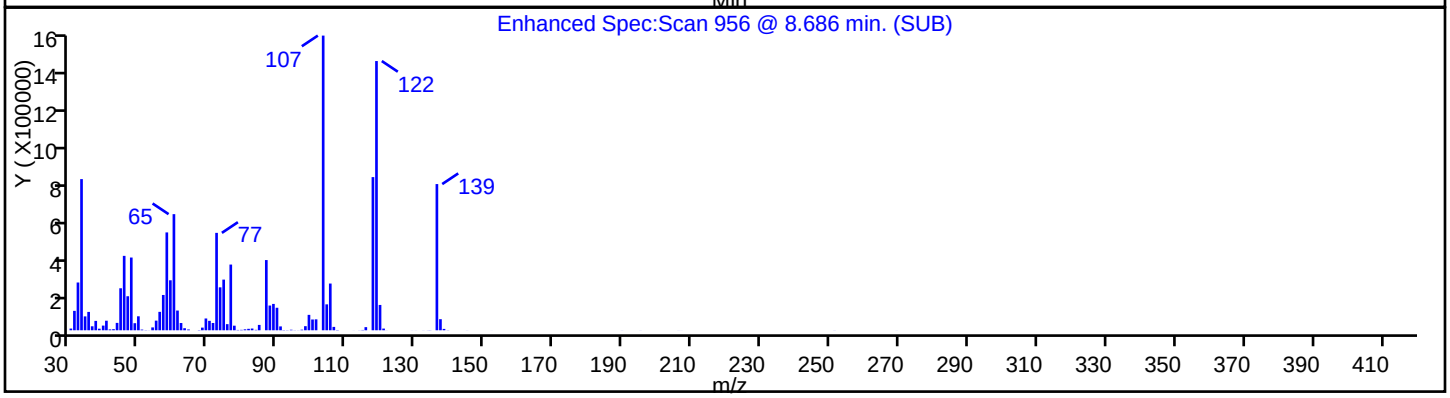
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10445.D		
Inj Date:	21-Sep-2009 18:29:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	8
Client ID:		Instrument:	Inst. B
Sample Info:	std8		
Sample Amount:	1.00 ul	Operator:	MZ

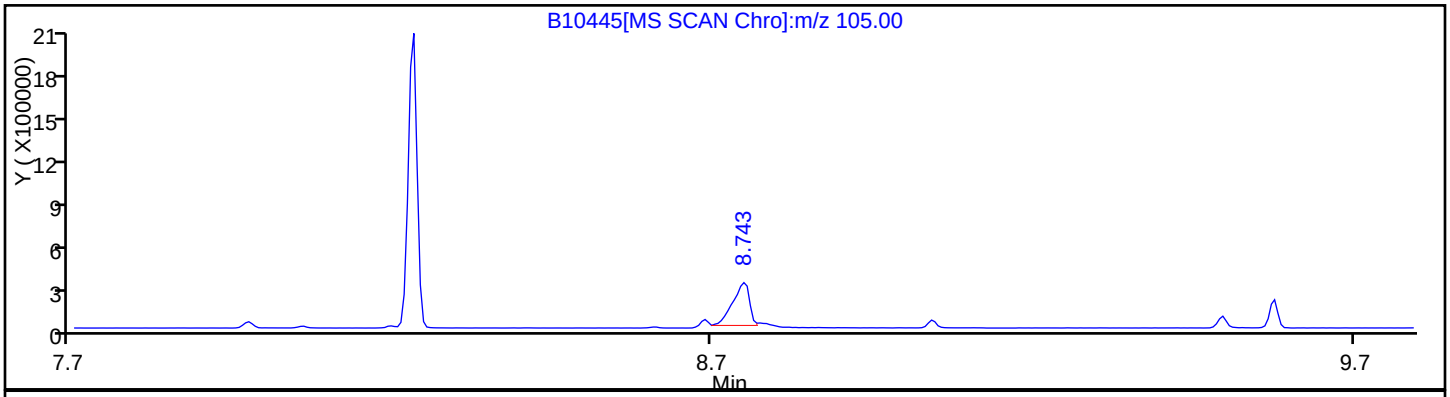
36 Benzoic acid

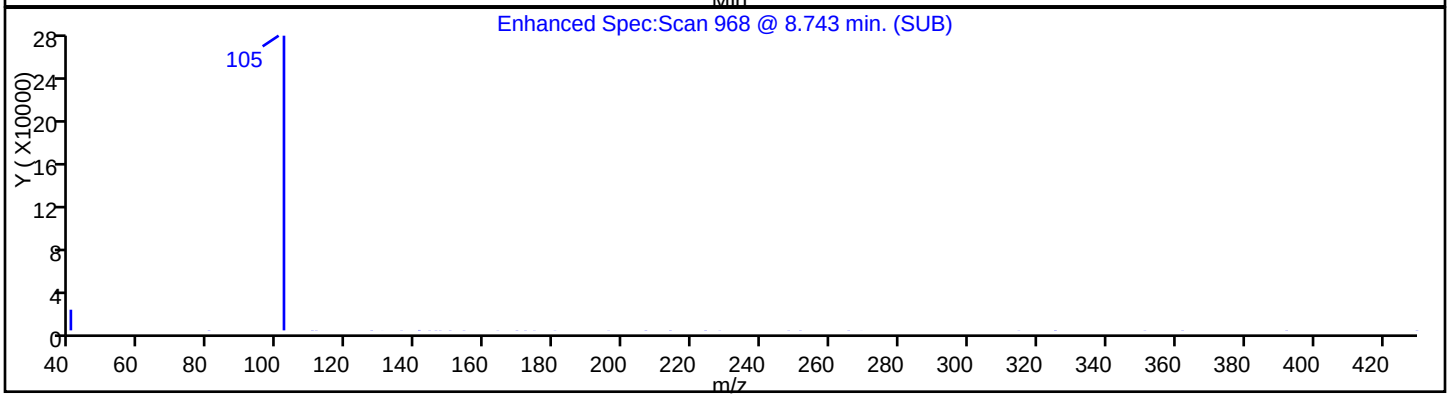
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 22-Sep-2009 10:51:11
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10446.D		
Lims ID:	std10	Client ID:	
Inject. Date:	21-Sep-2009 19:00:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	8
Sample ID:	std10		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	49265	Lims Sample ID:	9
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 10:52:01	Calib Date:	21-Sep-2009 19:00:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10446.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 10:52:01

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.902	7.903	-0.001	559436	2.00	
* 2 Naphthalene-d8	136	9.032	9.033	-0.001	1425811	2.00	
* 3 Acenaphthene-d10	164	10.537	10.533	0.004	460518	2.00	
* 4 Phenanthrene-d10	188	11.802	11.803	-0.001	763274	2.00	
* 5 Chrysene-d12	240	15.404	15.400	0.004	488493	2.00	
* 6 Perylene-d12	264	17.842	17.842	0.000	275153	2.00	
$ 7 2-Fluorophenol	112	6.632	6.633	-0.001	1284616	8.49	
$ 8 Phenol-d5	99	7.527	7.523	0.004	1576994	8.70	
$ 9 Nitrobenzene-d5	82	8.397	8.393	0.004	1480163	8.10	
$ 10 2-Fluorobiphenyl	172	9.931	9.927	0.004	3069374	10.1	5
$ 11 2,4,6-Tribromophenol	330	11.206	11.202	0.004	269932	10.2	5
$ 12 Terphenyl-d14	244	13.427	13.428	-0.001	2236869	9.55	
14 1,4-Dioxane	88	4.348	4.349	-0.001	425323	9.93	
15 N-Nitrosodimethylamine	42	4.930	4.926	0.004	850967	8.09	
16 Pyridine	79	4.959	4.960	-0.001	1177405	9.42	
17 Benzaldehyde	105	7.508	7.504	0.004	871122	8.42	
18 Phenol	94	7.541	7.537	0.004	1607327	8.40	
19 Aniline	93	7.599	7.595	0.004	1902246	8.22	
20 Bis(2-chloroethyl)ether	93	7.637	7.633	0.004	1278568	8.03	5
21 2-Chlorophenol	128	7.710	7.710	0.000	1372113	8.35	
22 1,4-Dichlorobenzene	146	7.854	7.850	0.004	1626464	7.83	
23 1,3-Dichlorobenzene	146	7.916	7.917	-0.001	1694960	7.80	
24 Benzyl alcohol	79	8.008	8.004	0.004	1138644	9.79	
25 1,2-Dichlorobenzene	146	8.061	8.061	0.000	1548790	9.19	
26 2-Methylphenol	108	8.085	8.085	0.000	1232717	8.42	
27 2,2'-oxybis[1-chloropropane]	45	8.118	8.114	0.004	2226706	7.67	
28 3 & 4 Methylphenol	108	8.219	8.215	0.004	1295161	8.45	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	8.238	8.234	0.004	959407	8.84	
30 Acetophenone	105	8.248	8.249	-0.001	1798087	8.31	
31 Hexachloroethane	117	8.368	8.364	0.004	599438	8.24	
32 Nitrobenzene	77	8.412	8.412	0.000	1456311	8.07	
33 Isophorone	82	8.609	8.605	0.004	2482165	8.55	
35 2,4-Dimethylphenol	107	8.686	8.682	0.004	1398281	8.35	
34 2-Nitrophenol	139	8.691	8.687	0.005	801499	9.12	
36 Benzoic acid	105	8.743	8.705	0.038	535980	9.94	
37 Bis(2-chloroethoxy)methane	93	8.767	8.763	0.004	1411977	7.75	
38 2,4-Dichlorophenol	162	8.892	8.888	0.004	1107747	8.19	
39 1,2,4-Trichlorobenzene	180	8.974	8.970	0.004	1279849	9.56	
40 Alpha-Terpineol	59	9.022	9.018	0.004	1245422	8.37	
41 Naphthalene	128	9.051	9.052	-0.001	4187994	9.50	
42 4-Chloroaniline	127	9.075	9.071	0.004	1772669	7.96	
43 Hexachlorobutadiene	225	9.138	9.134	0.004	666695	7.86	
44 Caprolactam	55	9.373	9.360	0.013	589047	9.83	
45 4-Chloro-3-methylphenol	107	9.455	9.451	0.004	1154212	8.80	
46 2-Methylnaphthalene	142	9.638	9.634	0.004	2805691	7.75	
47 1-Methylnaphthalene	142	9.729	9.725	0.004	2744671	7.77	
48 Hexachlorocyclopentadiene	237	9.768	9.764	0.004	530563	10.0	5
49 1,2,4,5-Tetrachlorobenzene	216	9.782	9.778	0.004	1125416	7.85	
50 2,4,6-Trichlorophenol	196	9.864	9.860	0.004	763205	10.7	5
51 2,4,5-Trichlorophenol	196	9.898	9.898	0.000	804256	11.5	5
52 1,1'-Biphenyl	154	10.023	10.023	0.000	3234972	9.97	
53 2-Chloronaphthalene	162	10.061	10.062	-0.001	3082209	10.3	5
54 Phenyl ether	170	10.104	10.100	0.004	1812701	7.87	
68 4-Nitroaniline	138	10.128	10.124	0.004	885807	10.1	5
56 Dimethyl phthalate	163	10.244	10.240	0.004	2944939	10.4	5
57 2,6-Dinitrotoluene	165	10.316	10.312	0.004	686277	11.0	5
58 Acenaphthylene	152	10.422	10.422	0.000	4082534	10.6	5
59 3-Nitroaniline	138	10.470	10.466	0.004	681595	10.7	5
60 2,4-Dinitrophenol	184	10.552	10.552	0.000	235679	13.7	5
61 Acenaphthene	153	10.566	10.562	0.004	2826177	10.5	5
62 4-Nitrophenol	109	10.566	10.562	0.004	418066	10.2	5
63 2,4-Dinitrotoluene	165	10.662	10.658	0.004	898979	10.3	5
64 Dibenzofuran	168	10.710	10.706	0.004	3569484	10.1	5
65 2,3,4,6-Tetrachlorophenol	232	10.797	10.793	0.004	572237	9.96	5
66 Diethyl phthalate	149	10.826	10.826	0.000	3023115	10.4	5
67 4-Chlorophenyl phenyl ether	204	10.965	10.966	-0.001	1361202	10.6	5
55 2-Nitroaniline	65	10.994	10.985	0.009	798264	10.2	5
69 Fluorene	166	10.999	11.000	-0.001	3199989	10.9	5
70 4,6-Dinitro-2-methylphenol	198	11.008	11.004	0.004	391249	14.5	5
71 Diphenylamine	169	11.061	11.057	0.004	2617004	10.6	5
72 N-Nitrosodiphenylamine	169	11.061	11.057	0.004	2617004	10.6	5
74 Azobenzene	77	11.105	11.101	0.004	4874816	10.8	5
73 1,2-Diphenylhydrazine	77	11.105	11.101	0.004	4874816	10.8	5
13 Benzophenone	105	11.114	11.110	0.004	3015672	11.2	5
75 4-Bromophenyl phenyl ether	248	11.388	11.384	0.004	709386	10.2	5
77 Atrazine	200	11.475	11.471	0.004	828421	11.6	5
76 Hexachlorobenzene	284	11.475	11.471	0.004	678656	10.2	5
78 Pentachlorophenol	266	11.624	11.625	-0.001	354187	9.87	
79 Pentachloronitrobenzene	237	11.638	11.634	0.004	321191	10.2	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.826	11.822	0.004	3967800	9.97	
81 Anthracene	178	11.869	11.865	0.004	3930513	10.6	5
83 Carbazole	167	11.985	11.981	0.004	3177795	10.2	5
84 Di-n-butyl phthalate	149	12.211	12.207	0.004	4596634	9.73	
87 Fluoranthene	202	13.004	13.000	0.004	3611156	10.7	5
86 Benzidine	184	13.105	13.101	0.004	866566	9.93	
85 Pyrene	202	13.307	13.303	0.004	3747940	9.32	
89 Butyl benzyl phthalate	149	14.144	14.145	0.000	1768565	10.8	5
92 Bis(2-ethylhexyl) phthalate	149	15.283	15.284	-0.001	2324115	9.90	
91 3,3'-Dichlorobenzidine	252	15.293	15.291	0.002	715117	10.1	5
93 Benzo[a]anthracene	228	15.384	15.380	0.004	2244007	10.5	5
94 Chrysene	228	15.452	15.448	0.004	2111431	10.0	5
95 Di-n-octyl phthalate	149	16.337	16.337	-0.001	3172594	9.78	
97 Benzo[b]fluoranthene	252	17.130	17.121	0.009	1694446	10.1	5
98 Benzo[k]fluoranthene	252	17.173	17.169	0.004	1592945	10.4	5
99 Benzo[a]pyrene	252	17.736	17.737	-0.001	1282761	11.4	5
100 Indeno[1,2,3-cd]pyrene	276	20.275	20.276	-0.001	1026776	10.5	5
101 Dibenz(a,h)anthracene	278	20.304	20.295	0.009	841357	11.2	5
102 Benzo[g,h,i]perylene	276	21.011	21.002	0.009	808560	10.3	5

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 22-Sep-2009 10:52:02 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10446.D

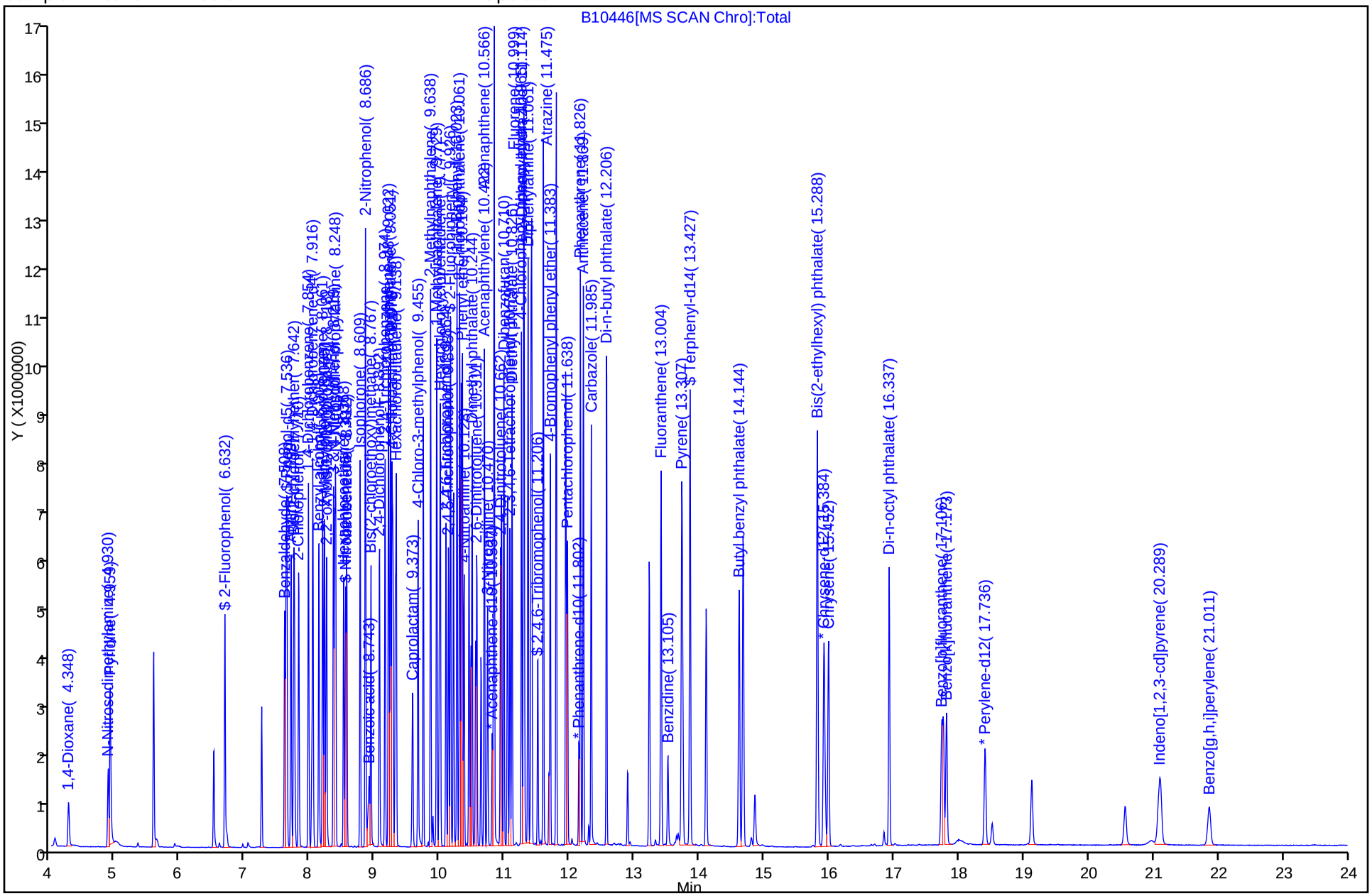
Inj Date: 21-Sep-2009 19:00:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 9

Client ID: Instrument: Inst. B

Sample Info: std10

Sample Amount: 1.00 ul Operator: MZ

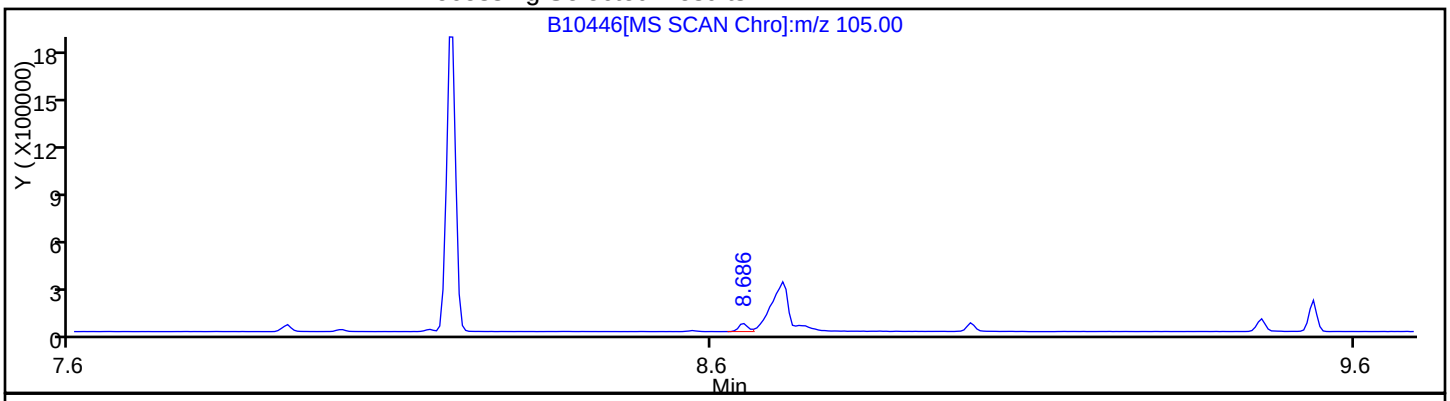


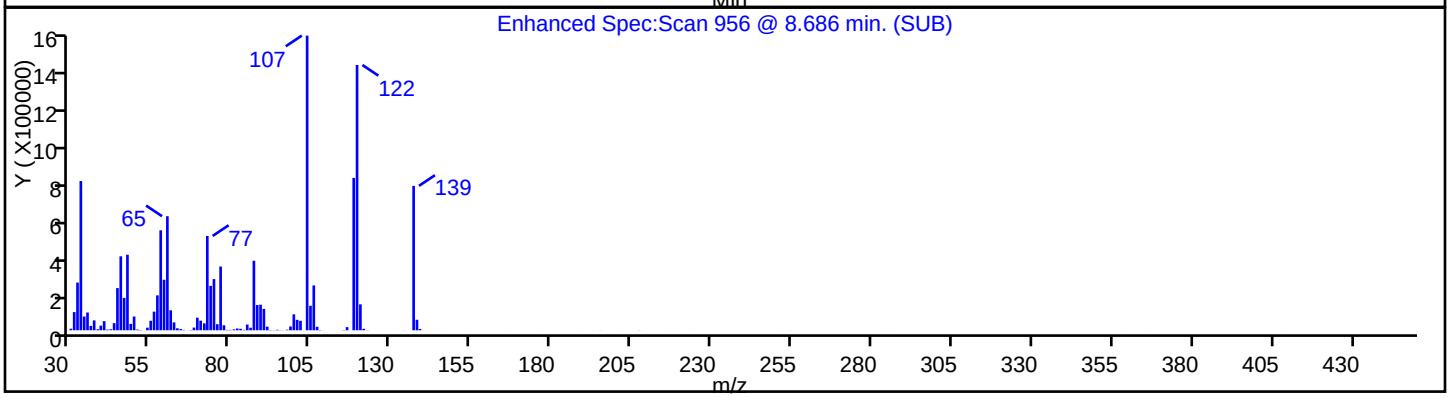
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10446.D		
Inj Date:	21-Sep-2009 19:00:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	9
Client ID:		Instrument:	Inst. B
Sample Info:	std10		
Sample Amount:	1.00 ul	Operator:	MZ

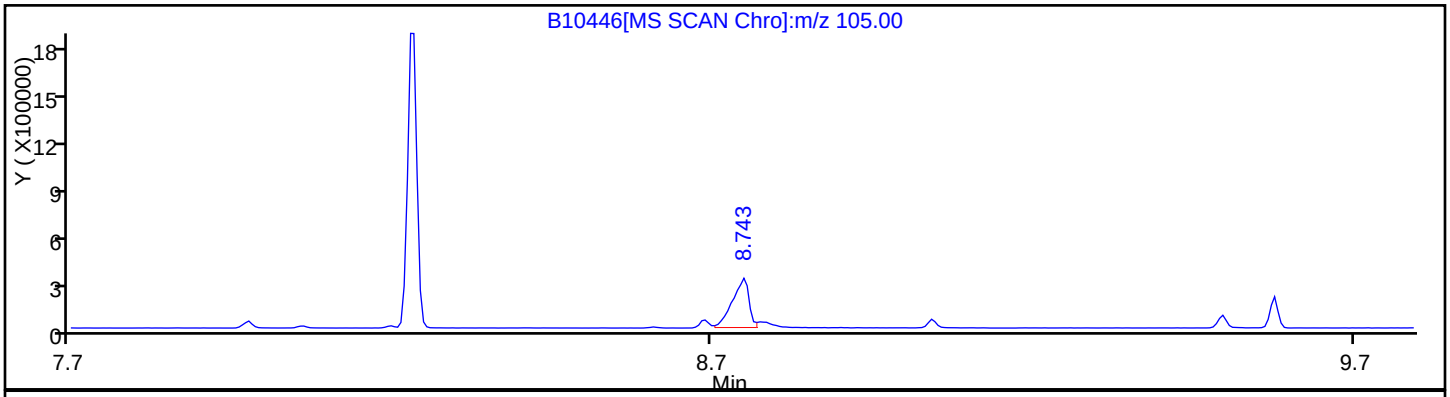
36 Benzoic acid

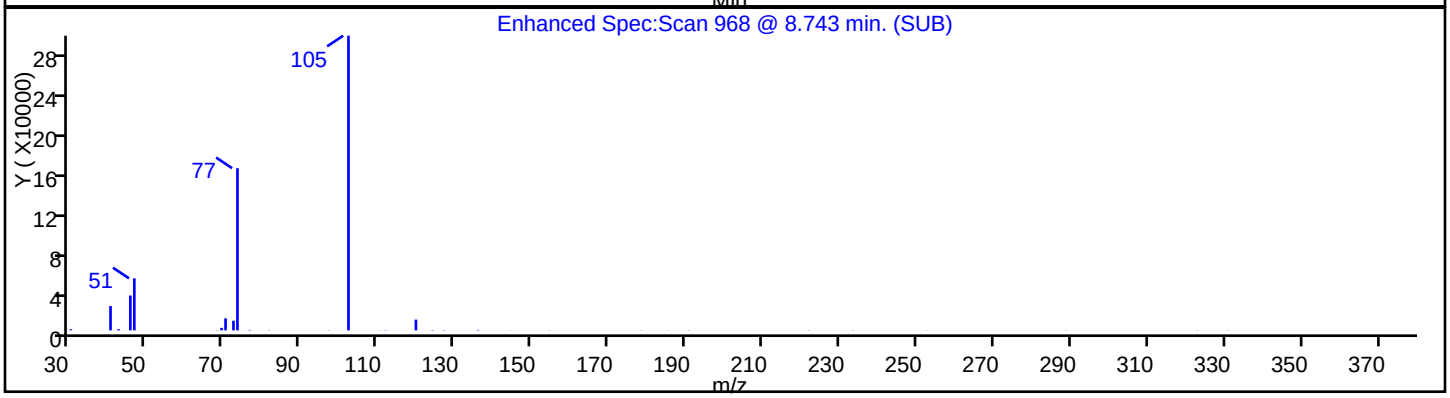
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 22-Sep-2009 10:52:01
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Lims ID:	std20	Client ID:	
Inject. Date:	21-Sep-2009 19:31:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	9
Sample ID:	std20		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	49265	Lims Sample ID:	10
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 11:00:14	Calib Date:	21-Sep-2009 19:00:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10446.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 11:00:19

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.901	7.903	-0.002	303978	2.00	
* 2 Naphthalene-d8	136	9.031	9.033	-0.002	1833958	2.00	
* 3 Acenaphthene-d10	164	10.536	10.533	0.003	413583	2.00	
* 4 Phenanthrene-d10	188	11.806	11.803	0.003	688918	2.00	
* 5 Chrysene-d12	240	15.408	15.400	0.008	496823	2.00	
* 6 Perylene-d12	264	17.846	17.842	0.004	259952	2.00	
$ 7 2-Fluorophenol	112	6.632	6.633	-0.001	2244693	26.2	5
$ 8 Phenol-d5	99	7.531	7.523	0.008	2996407	30.4	5
$ 9 Nitrobenzene-d5	82	8.397	8.393	0.004	2790138	11.9	5
$ 10 2-Fluorobiphenyl	172	9.931	9.927	0.004	5379312	19.7	
$ 11 2,4,6-Tribromophenol	330	11.210	11.202	0.008	541127	21.3	5
$ 12 Terphenyl-d14	244	13.431	13.428	0.003	4457120	18.8	
14 1,4-Dioxane	88	4.333	4.349	-0.016	764598	20.1	5
15 N-Nitrosodimethylamine	42	4.925	4.926	-0.001	1525979	25.8	5
16 Pyridine	79	4.949	4.960	-0.011	2154110	31.7	5
17 Benzaldehyde	105	7.507	7.504	0.003	1629225	29.0	5
18 Phenol	94	7.545	7.537	0.008	3069188	29.5	5
19 Aniline	93	7.603	7.595	0.008	3583713	28.5	5
20 Bis(2-chloroethyl)ether	93	7.642	7.633	0.009	2429189	28.1	5
21 2-Chlorophenol	128	7.714	7.710	0.004	2576811	28.9	5
22 1,4-Dichlorobenzene	146	7.853	7.850	0.003	3047616	27.0	5
23 1,3-Dichlorobenzene	146	7.916	7.917	-0.001	3164448	26.8	5
24 Benzyl alcohol	79	8.007	8.004	0.003	2150923	34.0	5
25 1,2-Dichlorobenzene	146	8.060	8.061	-0.001	2872067	31.6	5
26 2-Methylphenol	108	8.089	8.085	0.004	2363076	29.7	5
27 2,2'-oxybis[1-chloropropane]	45	8.118	8.114	0.004	4044235	25.6	5
28 3 & 4 Methylphenol	108	8.223	8.215	0.008	2462606	29.6	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	8.243	8.234	0.009	1854363	31.4	5
30 Acetophenone	105	8.252	8.249	0.003	3468256	29.5	5
31 Hexachloroethane	117	8.368	8.364	0.004	1136274	28.8	5
32 Nitrobenzene	77	8.416	8.412	0.004	2754739	11.9	5
33 Isophorone	82	8.613	8.605	0.008	4550172	12.2	5
35 2,4-Dimethylphenol	107	8.685	8.682	0.003	2649312	12.3	5
34 2-Nitrophenol	139	8.690	8.687	0.004	1547647	14.2	
36 Benzoic acid	105	8.767	8.705	0.062	1514189	20.4	5
37 Bis(2-chloroethoxy)methane	93	8.772	8.763	0.009	2734191	11.7	5
38 2,4-Dichlorophenol	162	8.892	8.888	0.004	2124104	12.2	5
39 1,2,4-Trichlorobenzene	180	8.974	8.970	0.004	2386399	20.1	5
40 Alpha-Terpineol	59	9.027	9.018	0.009	2327553	12.2	5
41 Naphthalene	128	9.055	9.052	0.003	6792310	12.1	5
42 4-Chloroaniline	127	9.079	9.071	0.008	3245880	11.3	5
43 Hexachlorobutadiene	225	9.137	9.134	0.003	1255690	11.5	5
44 Caprolactam	55	9.392	9.360	0.032	1108087	14.4	5
45 4-Chloro-3-methylphenol	107	9.459	9.451	0.008	2225390	13.7	
46 2-Methylnaphthalene	142	9.642	9.634	0.008	5015808	10.8	5
47 1-Methylnaphthalene	142	9.729	9.725	0.004	4932936	10.9	5
48 Hexachlorocyclopentadiene	237	9.767	9.764	0.003	1064701	21.2	5
49 1,2,4,5-Tetrachlorobenzene	216	9.782	9.778	0.004	2086603	11.3	5
50 2,4,6-Trichlorophenol	196	9.863	9.860	0.003	1476881	20.9	5
51 2,4,5-Trichlorophenol	196	9.902	9.898	0.004	1542511	20.8	5
52 1,1'-Biphenyl	154	10.027	10.023	0.004	5612516	19.3	
53 2-Chloronaphthalene	162	10.065	10.062	0.003	5783703	21.4	5
54 Phenyl ether	170	10.104	10.100	0.004	3382343	11.4	5
68 4-Nitroaniline	138	10.133	10.124	0.009	1705952	20.9	5
56 Dimethyl phthalate	163	10.248	10.240	0.008	5307566	20.7	5
57 2,6-Dinitrotoluene	165	10.320	10.312	0.008	1324010	23.2	5
58 Acenaphthylene	152	10.426	10.422	0.004	6871356	19.9	
59 3-Nitroaniline	138	10.474	10.466	0.008	1320454	20.9	5
60 2,4-Dinitrophenol	184	10.556	10.552	0.004	557344	20.0	
61 Acenaphthene	153	10.570	10.562	0.008	5027591	20.7	5
62 4-Nitrophenol	109	10.575	10.562	0.013	829374	21.0	5
63 2,4-Dinitrotoluene	165	10.666	10.658	0.008	1766420	21.2	5
64 Dibenzofuran	168	10.710	10.706	0.004	6135105	19.4	
65 2,3,4,6-Tetrachlorophenol	232	10.801	10.793	0.008	1163050	21.3	5
66 Diethyl phthalate	149	10.830	10.826	0.004	5365704	20.5	5
67 4-Chlorophenyl phenyl ether	204	10.969	10.966	0.003	2575079	22.0	5
55 2-Nitroaniline	65	10.998	10.985	0.013	1575216	21.2	5
69 Fluorene	166	11.003	11.000	0.003	5580689	21.0	5
70 4,6-Dinitro-2-methylphenol	198	11.013	11.004	0.009	850981	20.5	5
71 Diphenylamine	169	11.065	11.057	0.008	4767796	21.2	5
72 N-Nitrosodiphenylamine	169	11.065	11.057	0.008	4767796	21.2	5
74 Azobenzene	77	11.109	11.101	0.008	8488649	20.7	5
73 1,2-Diphenylhydrazine	77	11.109	11.101	0.008	8488649	20.7	5
13 Benzophenone	105	11.118	11.110	0.008	5552812	22.6	5
75 4-Bromophenyl phenyl ether	248	11.388	11.384	0.004	1366417	21.6	5
77 Atrazine	200	11.479	11.471	0.008	1548685	20.5	5
76 Hexachlorobenzene	284	11.474	11.471	0.003	1339489	22.0	5
78 Pentachlorophenol	266	11.628	11.625	0.003	800299	20.7	5
79 Pentachloronitrobenzene	237	11.638	11.634	0.004	651097	21.4	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.830	11.822	0.008	6727870	18.9	
81 Anthracene	178	11.873	11.865	0.008	6678787	20.0	5
83 Carbazole	167	11.989	11.981	0.008	5857930	20.8	5
84 Di-n-butyl phthalate	149	12.210	12.207	0.003	7471416	17.8	
87 Fluoranthene	202	13.008	13.000	0.008	6716971	21.8	5
86 Benzidine	184	13.109	13.101	0.008	2226293	20.0	
85 Pyrene	202	13.311	13.303	0.008	7183007	17.8	
89 Butyl benzyl phthalate	149	14.148	14.145	0.004	3608107	21.5	5
92 Bis(2-ethylhexyl) phthalate	149	15.288	15.284	0.004	4914932	20.3	5
91 3,3'-Dichlorobenzidine	252	15.297	15.291	0.006	1600028	21.1	5
93 Benzo[a]anthracene	228	15.389	15.380	0.009	4680598	21.3	5
94 Chrysene	228	15.456	15.448	0.008	4386350	20.4	5
95 Di-n-octyl phthalate	149	16.341	16.337	0.004	6664822	20.9	5
97 Benzo[b]fluoranthene	252	17.139	17.121	0.018	3534752	22.1	5
98 Benzo[k]fluoranthene	252	17.182	17.169	0.013	3303168	22.5	5
99 Benzo[a]pyrene	252	17.745	17.737	0.008	2657127	24.3	5
100 Indeno[1,2,3-cd]pyrene	276	20.289	20.276	0.013	1974687	22.5	5
101 Dibenz(a,h)anthracene	278	20.313	20.295	0.018	1631243	22.6	5
102 Benzo[g,h,i]perylene	276	21.029	21.002	0.027	1553628	20.5	5

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 22-Sep-2009 11:00:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D

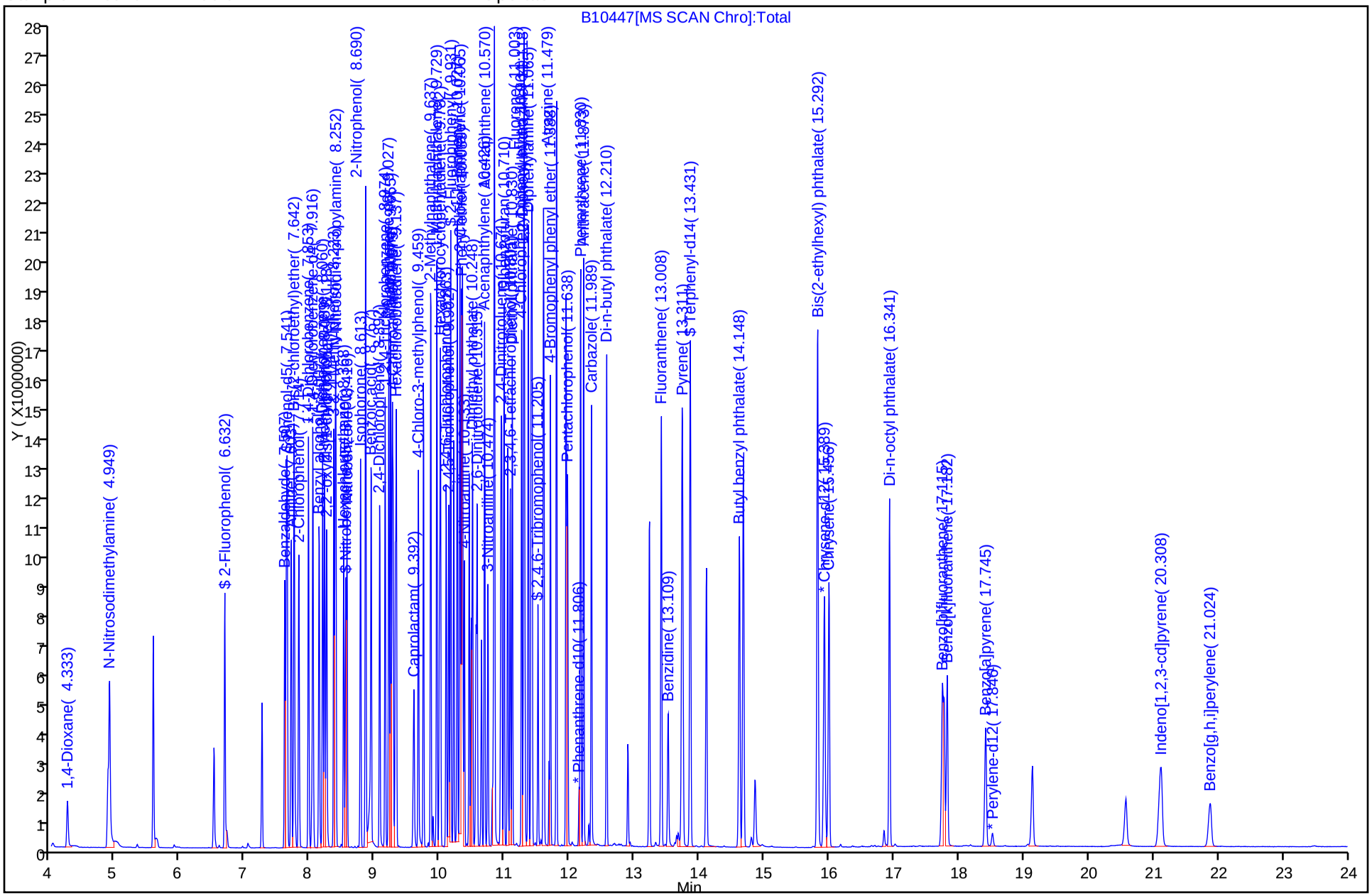
Inj Date: 21-Sep-2009 19:31:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 10

Client ID: Instrument: Inst. B

Sample Info: std20

Sample Amount: 1.00 ul Operator: MZ

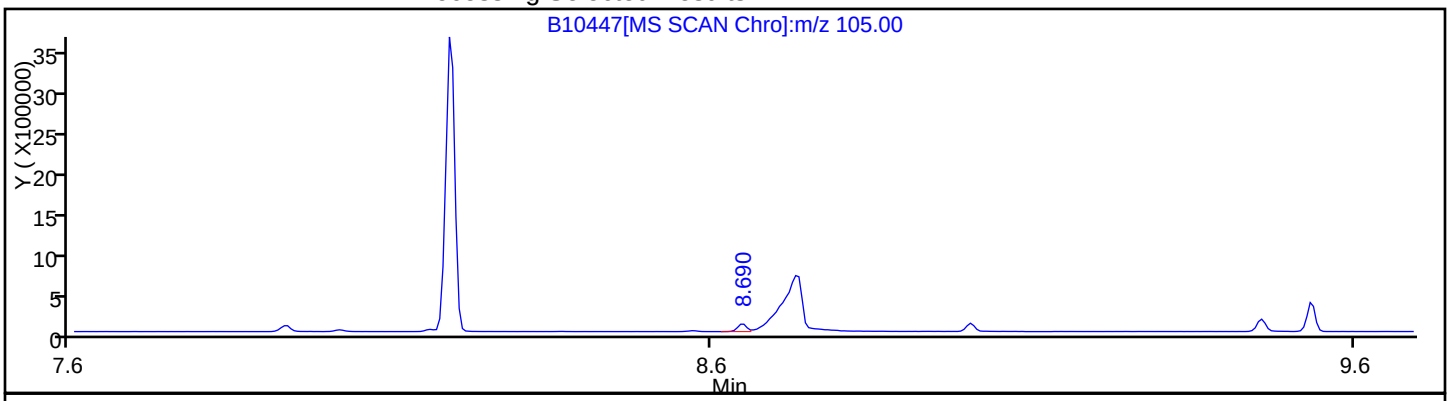


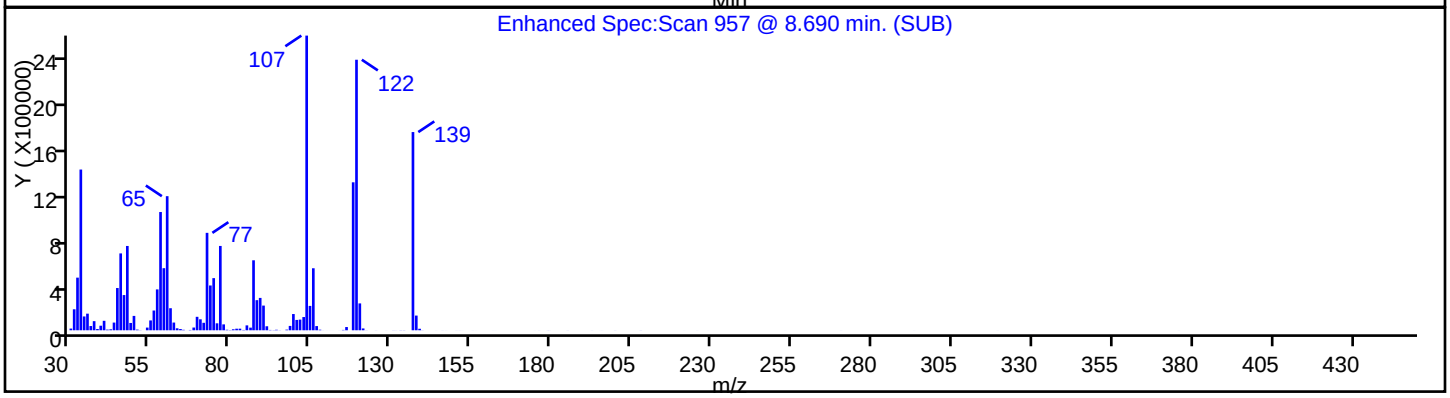
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Inj Date:	21-Sep-2009 19:31:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	1.00 ul	Operator:	MZ

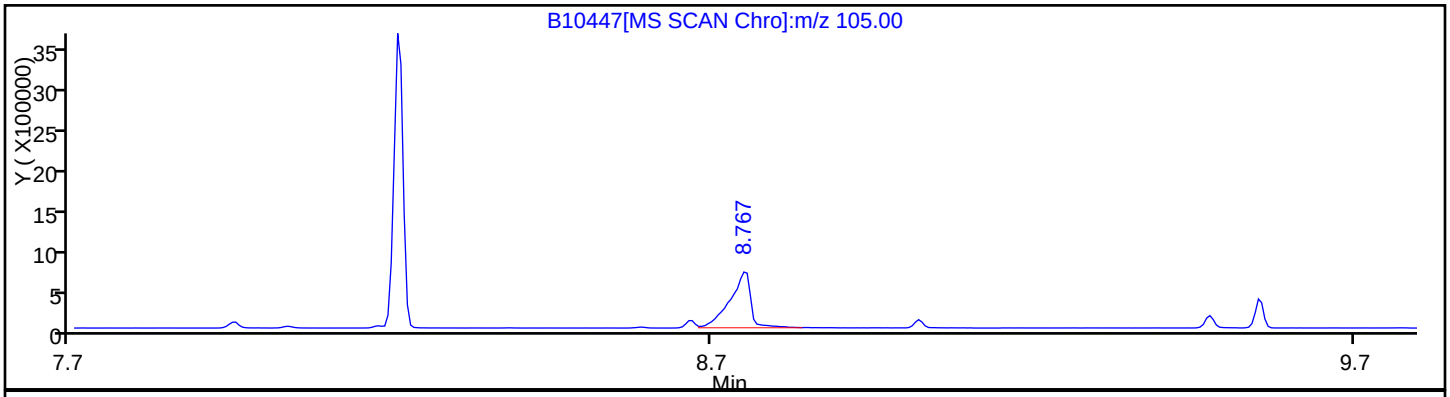
36 Benzoic acid

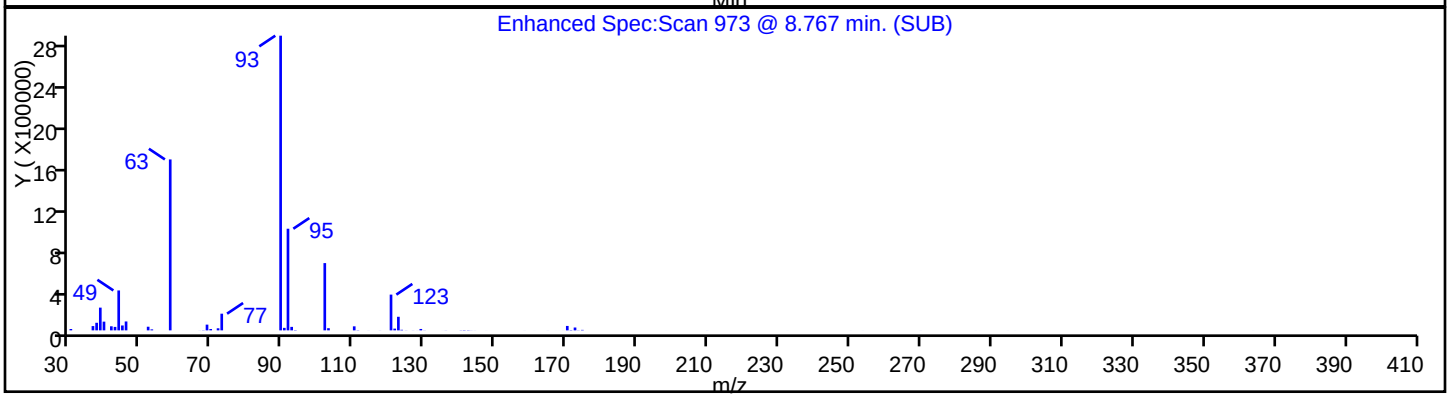
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 22-Sep-2009 11:00:19
Audit Action: Selected Alternate Hit
Audit Reason:

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-2 Analy Batch No.: 49259

SDG No.: OCRI-10A

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

Calibration Start Date: 09/21/2009 15:23 Calibration End Date: 09/21/2009 18:59 Calibration ID: 4673

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49259/3	J03041.D
Level 2	STD025 360-49259/4	J03042.D
Level 3	STD05 360-49259/5	J03043.D
Level 4	STD1 360-49259/6	J03044.D
Level 5	STD25 360-49259/7	J03045.D
Level 6	STD5 360-49259/2	J03040.D
Level 7	STD8 360-49259/8	J03046.D
Level 8	STD10 360-49259/9	J03047.D
Level 9	STD20 360-49259/10	J03048.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								
1,4-Dioxane	0.8489 0.2155	0.4078 0.2187	0.3238 0.2342	0.2909 0.2570	0.2523	Lin1	0.0525	0.2346							0.9920		0.9900
Pyridine	+++++ 0.5069	0.4061 0.5015	0.4133 0.6051	0.7044 0.6258	0.6807	Lin	-0.174	0.6184							0.9920		0.9900
N-Nitrosodimethylamine	0.2721 0.2981	0.2831 0.2844	0.3063 0.3493	0.3542 0.3586	0.3388	Ave		0.3161				11.0		15.0			
Benzoic acid	+++++ 0.0416	+++++ 0.0760	+++++ 0.1107	0.0005 0.1262	0.0218	Qua	-0.164	0.0869	0.0024						0.9890	*	0.9900
Aniline	0.9485 0.8476	0.8692 0.8127	0.8830 0.9753	0.9267 1.0326	0.9767	Ave		0.9192				7.7		15.0			
Phenol	0.7163 0.7478	0.7886 0.7084	0.8308 0.8337	0.8774 0.8661	0.8566	Ave		0.8029				8.1		15.0			
2-Chlorophenol	0.6424 0.5989	0.6477 0.5776	0.6563 0.6757	0.6822 0.7051	0.6990	Ave		0.6539				6.6		15.0			
Bis(2-chloroethyl)ether	0.7250 0.5884	0.6976 0.5603	0.7023 0.6492	0.7206 0.6655	0.6921	Ave		0.6668				8.7		15.0			
1,4-Dichlorobenzene	0.8100 0.6798	0.8285 0.6355	0.8240 0.7467	0.8223 0.7660	0.7908	Ave		0.7671				9.0		15.0			
2,4-Dinitrophenol	+++++ 0.0516	+++++ 0.0668	+++++ 0.0877	0.0106 0.1098	0.0344	Qua	-0.082	0.0628	0.0026		0.0500				0.9970		0.9900
1,3-Dichlorobenzene	0.9148 0.6972	0.8714 0.6518	0.8555 0.7694	0.8311 0.7922	0.8216	Ave		0.8006				10.0		15.0			
1,2-Dichlorobenzene	0.9336 0.6398	0.8336 0.5994	0.8108 0.7079	0.7749 0.7406	0.7659	Ave		0.7563				13.0		15.0			
Benzyl alcohol	0.3658 0.5008	0.4083 0.4789	0.4245 0.5867	0.4679 0.6324	0.5594	Lin	-0.271	0.6231							0.9910		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.: 360-24417-2 Analy Batch No.: 49259

SDG No.: OCRI-10A

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

Calibration Start Date: 09/21/2009 15:23 Calibration End Date: 09/21/2009 18:59 Calibration ID: 4673

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	0.5077 0.5440	0.5457 0.5145	0.5335 0.5978	0.5839 0.6295	0.6201	Ave		0.5641				8.0		15.0			
2,2'-oxybis[1-chloropropane]	0.7895 0.6120	0.7206 0.5737	0.7278 0.6665	0.7194 0.7136	0.7011	Ave		0.6916				9.4		15.0			
Acetophenone	0.7562 0.7954	0.7380 0.7698	0.8067 0.9012	0.8864 0.9362	0.9027	Ave		0.8325				8.9		15.0			
Benzaldehyde	0.7562 0.7954	0.7380 0.7698	0.8067 0.9012	0.8864 0.9362	0.9027	Ave		0.8325				8.9		15.0			
N-Nitrosodi-n-propylamine	0.3883 0.4338	0.4080 0.4037	0.4307 0.4909	0.4593 0.5157	0.4785	Ave		0.4454			0.0500	9.7		15.0			
3 & 4 Methylphenol	0.4921 0.5682	0.5651 0.5356	0.5497 0.6331	0.6094 0.6602	0.6454	Ave		0.5843				9.6		15.0			
Hexachloroethane	0.2821 0.2799	0.3039 0.2622	0.3039 0.3001	0.3116 0.3118	0.3202	Ave		0.2973				6.3		15.0			
Nitrobenzene	0.2491 0.3218	0.2666 0.3483	0.2965 0.3353	0.3158 0.3296	0.3544	Ave		0.3130				11.0		15.0			
Caprolactam	+++++ 0.0768	0.0181 0.0946	0.0318 0.0951	0.0486 0.0981	0.0729	Lin1	-0.030	0.0961							0.9940		0.9900
Isophorone	0.3690 0.5280	0.3794 0.6053	0.4302 0.5892	0.4964 0.5747	0.5763	Lin1	-0.038	0.5806							0.9980		0.9900
2-Nitrophenol	0.0692 0.1358	0.0751 0.1514	0.0945 0.1579	0.1129 0.1591	0.1404	Lin1	-0.017	0.1550							0.9960		0.9900
2,4-Dimethylphenol	0.2315 0.2943	0.2350 0.3168	0.2495 0.3078	0.2879 0.3087	0.3136	Ave		0.2828				12.0		15.0			
4-Nitrophenol	+++++ 0.1449	+++++ 0.1665	0.0773 0.1693	0.1022 0.1809	0.1353	Lin2	-0.050	0.1671			0.0500				0.9920		0.9900
Bis(2-chloroethoxy)methane	0.2756 0.3116	0.2958 0.3469	0.3124 0.3334	0.3269 0.3325	0.3524	Ave		0.3208				7.7		15.0			
2,4-Dichlorophenol	0.1379 0.2009	0.1446 0.2276	0.1593 0.2217	0.1860 0.2249	0.2198	Lin1	-0.016	0.2227							0.9980		0.9900
1,2,4-Trichlorobenzene	0.2832 0.2429	0.2643 0.2652	0.2578 0.2531	0.2642 0.2534	0.2785	Ave		0.2625				4.8		15.0			
Naphthalene	0.9451 0.8485	0.9252 0.9116	0.9080 0.8631	0.9179 0.8539	0.9542	Ave		0.9031				4.3		15.0			
Alpha-Terpineol	0.1321 0.2012	0.1435 0.2219	0.1613 0.2137	0.1830 0.2133	0.2094	Lin2	-0.009	0.2040							0.9910		0.9900
4-Chloroaniline	0.2475 0.3308	0.2579 0.3597	0.2905 0.3554	0.3204 0.3417	0.3599	Ave		0.3182				14.0		15.0			
4,6-Dinitro-2-methylphenol	+++++ 0.0707	+++++ 0.0867	0.0174 0.0938	0.0320 0.1057	0.0609	Lin	-0.118	0.1088							0.9940		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.: 360-24417-2 Analy Batch No.: 49259

SDG No.: OCRI-10A

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

Calibration Start Date: 09/21/2009 15:23 Calibration End Date: 09/21/2009 18:59 Calibration ID: 4673

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	0.1435 0.1387	0.1464 0.1450	0.1447 0.1386	0.1458 0.1412	0.1516	Ave		0.1439				2.8		15.0			
2-Nitroaniline	+++++ 0.0442	+++++ 0.0481	0.0530 0.0435	0.0490 0.0405	0.0495	Ave		0.0468				9.2		15.0			
Benzidine	+++++ 0.1529	+++++ 0.1847	+++++ 0.1942	0.0718 0.2518	0.1380	Qua	-0.080	0.1493	0.0053						1.0000		0.9900
4-Chloro-3-methylphenol	0.1227 0.2389	0.1470 0.2704	0.1753 0.2648	0.2030 0.2658	0.2510	Lin1	-0.025	0.2642							0.9980		0.9900
Pentachlorophenol	+++++ 0.0731	+++++ 0.0915	0.0133 0.0921	0.0278 0.1053	0.0615	Lin1	-0.063	0.1011							0.9900		0.9900
2-Methylnaphthalene	0.5547 0.5505	0.5734 0.5884	0.5477 0.5710	0.5769 0.5564	0.6146	Ave		0.5704				3.8		15.0			
1-Methylnaphthalene	0.5429 0.5359	0.5428 0.5742	0.5547 0.5528	0.5767 0.5395	0.6049	Ave		0.5583				4.1		15.0			
Hexachlorocyclopentadiene	0.0454 0.1939	0.1030 0.2013	0.1152 0.2253	0.1535 0.2405	0.1963	Lin1	-0.031	0.2249			0.0500				0.9920		0.9900
1,2,4,5-Tetrachlorobenzene	0.2182 0.2048	0.2172 0.2219	0.2180 0.2157	0.2221 0.2181	0.2281	Ave		0.2182				2.9		15.0			
2,4,6-Trichlorophenol	0.1423 0.2618	0.1590 0.3011	0.1893 0.3005	0.2368 0.3066	0.2910	Lin1	-0.029	0.3005							0.9970		0.9900
2,4,5-Trichlorophenol	0.1202 0.2730	0.1759 0.3185	0.2030 0.3043	0.2532 0.3201	0.2991	Lin1	-0.030	0.3124							0.9970		0.9900
1,1'-Biphenyl	1.3756 1.2582	1.3871 1.3385	1.3458 1.2550	1.4012 1.2337	1.4219	Ave		1.3352				5.2		15.0			
2-Chloronaphthalene	1.3575 1.3235	1.4758 1.3812	1.3647 1.3555	1.4107 1.3029	1.5272	Ave		1.3888				5.2		15.0			
Phenyl ether	0.3535 0.3272	0.3474 0.3643	0.3633 0.3475	0.3604 0.3441	0.3660	Ave		0.3526				3.6		15.0			
4-Nitroaniline	0.1822 0.3086	0.1882 0.3687	0.2034 0.3602	0.2673 0.3698	0.3440	Lin1	-0.037	0.3615							0.9960		0.9900
Dimethyl phthalate	1.0753 1.1447	1.0942 1.2726	1.1783 1.1993	1.2530 1.1950	1.3237	Ave		1.1929				6.8		15.0			
2,4-Dinitrotoluene	0.1396 0.2560	0.1478 0.2884	0.2083 0.2778	0.2479 0.2807	0.2873	Lin1	-0.022	0.2809							0.9980		0.9900
Acenaphthylene	1.2818 1.5974	1.4441 1.7583	1.5065 1.6577	1.6761 1.6416	1.7884	Ave		1.5946				10.0		15.0			
Acenaphthene	1.1695 1.0084	1.1349 1.0742	1.0612 1.0416	1.1257 1.0379	1.1680	Ave		1.0913				5.5		15.0			
Dibenzofuran	1.5025 1.3765	1.5337 1.4682	1.4502 1.4134	1.5147 1.4044	1.5624	Ave		1.4696				4.3		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-2 Analy Batch No.: 49259

SDG No.: OCRI-10A

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

Calibration Start Date: 09/21/2009 15:23 Calibration End Date: 09/21/2009 18:59 Calibration ID: 4673

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								
2,6-Dinitrotoluene	0.1132 0.3096	0.1262 0.3614	0.1792 0.3500	0.2703 0.3600	0.3418	Lin1	-0.044	0.3546							0.9960		0.9900
2,3,4,6-Tetrachlorophenol	0.0563 0.1985	0.0860 0.2406	0.1342 0.2389	0.1813 0.2456	0.2247	Lin1	-0.031	0.2393							0.9960		0.9900
Diethyl phthalate	1.1210 1.2051	1.0629 1.3059	1.1101 1.2632	1.2251 1.2498	1.3414	Ave		1.2094				7.8		15.0			
Fluorene	1.0983 1.1059	1.1090 1.1914	1.0982 1.1377	1.1605 1.1395	1.2294	Ave		1.1411				4.0		15.0			
4-Chlorophenyl phenyl ether	0.5873 0.5040	0.5553 0.5474	0.5481 0.5270	0.5677 0.5344	0.5797	Ave		0.5501				4.8		15.0			
3-Nitroaniline	0.0357 0.1947	0.0899 0.2212	0.1142 0.2228	0.1669 0.2440	0.2251	Lin1	-0.032	0.2312							0.9940		0.9900
Diphenylamine	0.4964 0.6017	0.5358 0.6571	0.5601 0.6029	0.6109 0.6172	0.6727	Ave		0.5950				9.4		15.0			
N-Nitrosodiphenylamine	0.4964 0.6017	0.5358 0.6571	0.5601 0.6029	0.6109 0.6172	0.6727	Ave		0.5950				9.4		15.0			
1,2-Diphenylhydrazine	0.9046 1.3053	1.0034 1.4170	1.1256 1.2931	1.3090 1.2896	1.4389	Ave		1.2318				15.0		15.0			
Azobenzene	0.9046 1.3053	1.0034 1.4170	1.1256 1.2931	1.3090 1.2896	1.4389	Ave		1.2318				15.0		15.0			
Benzophenone	0.5453 0.7668	0.5900 0.8392	0.6694 0.7642	0.7705 0.7702	0.8567	Ave		0.7303				15.0		15.0			
4-Bromophenyl phenyl ether	0.1918 0.1784	0.1695 0.1939	0.1786 0.1793	0.1947 0.1860	0.2021	Ave		0.1860				5.6		15.0			
Hexachlorobenzene	0.2304 0.1927	0.2070 0.2143	0.2069 0.1916	0.2131 0.1982	0.2160	Ave		0.2078				6.0		15.0			
Atrazine	0.0968 0.1799	0.1073 0.2026	0.1212 0.1831	0.1623 0.1932	0.1961	Lin1	-0.016	0.1924							0.9970		0.9900
Pentachloronitrobenzene	0.0345 0.0843	0.0406 0.0960	0.0550 0.0877	0.0736 0.0911	0.0872	Lin1	-0.009	0.0909							0.9980		0.9900
Phenanthrene	1.1045 0.9340	1.0535 1.0268	0.9787 0.9554	1.0275 0.9615	1.0668	Ave		1.0121				5.7		15.0			
Anthracene	0.6694 0.8858	0.7272 0.9909	0.7714 0.9135	0.9118 0.9438	0.9972	Ave		0.8679				14.0		15.0			
Carbazole	0.6012 0.7502	0.6325 0.8517	0.6658 0.8047	0.7885 0.7847	0.8723	Ave		0.7502				13.0		15.0			
Di-n-butyl phthalate	0.9790 1.1571	0.7949 1.3603	0.8043 1.2208	1.0281 1.2365	1.2562	Lin1	-0.079	1.2499							0.9960		0.9900
Fluoranthene	0.6633 0.8180	0.6573 0.9527	0.6848 0.8601	0.8177 0.8685	0.9138	Ave		0.8040				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.: 360-24417-2 Analy Batch No.: 49259

SDG No.: OCRI-10A

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

Calibration Start Date: 09/21/2009 15:23 Calibration End Date: 09/21/2009 18:59 Calibration ID: 4673

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	1.3861 1.2866	1.3713 1.4172	1.3532 1.3370	1.3206 1.3086	1.4849	Ave		1.3628				4.5		15.0			
Butyl benzyl phthalate	0.3452 0.6270	0.3037 0.7517	0.3096 0.7463	0.4480 0.7216	0.6741	Lin1	-0.088	0.7231							0.9940		0.9900
Benzo[a]anthracene	0.9512 0.8066	0.6375 0.9262	0.5888 0.9120	0.7340 0.9187	0.8735	Lin1	-0.044	0.9039							0.9970		0.9900
3,3'-Dichlorobenzidine	0.0952 0.2452	0.0813 0.2655	0.0927 0.2570	0.1497 0.2576	0.2369	Lin1	-0.036	0.2579							0.9950		0.9900
Chrysene	1.4170 0.8310	1.0724 0.9166	0.8829 0.8593	0.9109 0.8579	0.9611	Lin2	0.0540	0.8603							0.9960		0.9900
Bis(2-ethylhexyl) phthalate	0.6726 0.8508	0.3956 1.0385	0.4221 1.0421	0.5575 0.9900	0.8860	Lin1	-0.116	0.9921							0.9910		0.9900
Di-n-octyl phthalate	0.9473 1.4710	0.7277 2.1548	0.6587 2.0813	0.6936 2.1688	1.3581	Lin	-1.242	2.2102							0.9940		0.9900
Benzo[b]fluoranthene	1.2788 1.2307	1.1114 1.3545	1.0668 1.2448	1.1442 1.2372	1.3765	Ave		1.2272				8.5		15.0			
Benzo[k]fluoranthene	1.0285 1.0318	0.9868 1.2488	1.1664 1.1461	1.2133 1.2217	1.2759	Ave		1.1466				9.3		15.0			
Benzo[a]pyrene	0.5104 0.7835	0.4206 0.9336	0.4220 0.8988	0.5772 0.9428	0.8086	Lin1	-0.107	0.9114							0.9930		0.9900
Indeno[1,2,3-cd]pyrene	0.4695 0.7406	0.4517 0.7514	0.4212 0.8465	0.5803 0.8156	0.7643	Lin1	-0.078	0.8036							0.9960		0.9900
Dibenz(a,h)anthracene	0.2890 0.5977	0.3731 0.6005	0.3992 0.6883	0.5167 0.6736	0.6405	Lin1	-0.064	0.6582							0.9960		0.9900
Benzo[g,h,i]perylene	0.6219 0.6625	0.4900 0.6673	0.5360 0.7310	0.5920 0.6976	0.7136	Ave		0.6347				13.0		15.0			
2-Fluorophenol	0.2749 0.5135	0.4613 0.5405	0.4801 0.6461	0.5113 0.6935	0.5577	Lin	-0.330	0.6859							0.9910		0.9900
Phenol-d5	0.6920 0.6956	0.7043 0.6632	0.7352 0.7893	0.7880 0.8315	0.8042	Ave		0.7448				8.0		15.0			
Nitrobenzene-d5	0.2636 0.3158	0.2636 0.3506	0.2797 0.3384	0.3071 0.3355	0.3482	Ave		0.3114				11.0		15.0			
2-Fluorobiphenyl	1.3638 1.1606	1.3594 1.2721	1.2747 1.1833	1.2938 1.1708	1.3424	Ave		1.2690				6.3		15.0			
2,4,6-Tribromophenol	0.0448 0.0828	0.0370 0.0941	0.0510 0.0889	0.0642 0.0964	0.0858	Lin1	-0.011	0.0929							0.9950		0.9900
Terphenyl-d14	0.9091 0.7784	0.8901 0.8514	0.8878 0.8190	0.8043 0.8071	0.8930	Ave		0.8489				5.6		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-2 Analy Batch No.: 49259

SDG No.: OCRI-10A

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

Calibration Start Date: 09/21/2009 15:23 Calibration End Date: 09/21/2009 18:59 Calibration ID: 4673

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49259/3	J03041.D
Level 2	STD025 360-49259/4	J03042.D
Level 3	STD05 360-49259/5	J03043.D
Level 4	STD1 360-49259/6	J03044.D
Level 5	STD25 360-49259/7	J03045.D
Level 6	STD5 360-49259/2	J03040.D
Level 7	STD8 360-49259/8	J03046.D
Level 8	STD10 360-49259/9	J03047.D
Level 9	STD20 360-49259/10	J03048.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
1,4-Dioxane	DCB	Lin1	2446 36537	2933 75964	4600 88772	9688 177728	21370	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pyridine	DCB	Lin	+++++ 85931	2921 174207	5871 229364	23456 432799	57668	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodimethylamine	DCB	Ave	784 50524	2036 98811	4351 132388	11793 247987	28697	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzoic acid	NPT	Qua	+++++ 15103	+++++ 48914	+++++ 94625	43 208881	4142	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 20.0	2.50
Aniline	DCB	Ave	2733 143681	6252 282324	12545 369657	30859 714143	82743	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenol	DCB	Ave	2064 126754	5672 246094	11803 315986	29217 599001	72568	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chlorophenol	DCB	Ave	1851 101510	4659 200669	9324 256125	22715 487610	59219	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethyl)ether	DCB	Ave	2089 99736	5018 194655	9978 246071	23994 460211	58630	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,4-Dichlorobenzene	DCB	Ave	2334 115239	5959 220778	11707 283034	27383 529718	66990	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrophenol	ANT	Qua	+++++ 9260	+++++ 21310	+++++ 38047	398 91473	3154	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 20.0	2.50
1,3-Dichlorobenzene	DCB	Ave	2636 118178	6268 226438	12154 291644	27675 547853	69602	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Dichlorobenzene	DCB	Ave	2690 108456	5996 208224	11519 268331	25803 512154	64882	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzyl alcohol	DCB	Lin	1054 84897	2937 166371	6031 222378	15581 437329	47385	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Methylphenol	DCB	Ave	1463 92209	3925 178745	7579 226571	19444 435312	52534	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.: 360-24417-2 Analy Batch No.: 49259

SDG No.: OCRI-10A

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

Calibration Start Date: 09/21/2009 15:23 Calibration End Date: 09/21/2009 18:59 Calibration ID: 4673

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	2275 103746	5183 199294	10340 252640	23954 493474	59396	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acetophenone	DCB	Ave	2179 134824	5308 267423	11460 341572	29516 647450	76469	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzaldehyde	DCB	Ave	2179 134824	5308 267423	11460 341572	29516 647450	76469	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodi-n-propylamine	DCB	Ave	1119 73526	2935 140238	6119 186064	15295 356628	40536	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3 & 4 Methylphenol	DCB	Ave	1418 96317	4065 186068	7810 239960	20293 456559	54678	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachloroethane	DCB	Ave	813 47453	2186 91080	4317 113749	10376 215646	27126	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene	NPT	Ave	1772 116970	4761 224262	10280 286632	25120 545275	67252	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Caprolactam	NPT	Lin1	+++++ 27908	324 60942	1102 81249	3866 162288	13830	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Isophorone	NPT	Lin1	2625 191876	6776 389785	14916 503660	39491 950821	109379	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitrophenol	NPT	Lin1	492 49358	1341 97494	3275 134959	8979 263314	26641	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dimethylphenol	NPT	Ave	1647 106947	4196 204002	8651 263128	22899 510718	59513	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitrophenol	ANT	Lin2	+++++ 25994	+++++ 53110	1297 73451	3841 150808	12415	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethoxy)methane	NPT	Ave	1961 113244	5282 223409	10831 284946	26001 550094	66875	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dichlorophenol	NPT	Lin1	981 73005	2582 146540	5524 189538	14796 372061	41709	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2,4-Trichlorobenzene	NPT	Ave	2015 88271	4720 170793	8939 216370	21019 419247	52849	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Naphthalene	NPT	Ave	6724 308374	16523 587034	31481 737785	73016 1412747	181097	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Alpha-Terpineol	NPT	Lin2	940 73138	2563 142921	5592 182701	14560 352945	39750	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chloroaniline	NPT	Ave	1761 120228	4606 231618	10073 303775	25488 565430	68298	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4,6-Dinitro-2-methylphenol	PHN	Lin	+++++ 19334	+++++ 41999	450 64827	1870 139692	8582	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobutadiene	NPT	Ave	1021 50399	2615 93374	5017 118486	11597 233586	28775	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitroaniline	ANT	Ave	+++++ 7933	+++++ 15356	890 18862	1840 33729	4545	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-2 Analy Batch No.: 49259

SDG No.: OCRI-10A

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

Calibration Start Date: 09/21/2009 15:23 Calibration End Date: 09/21/2009 18:59 Calibration ID: 4673

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
Benzidine	PHN	Qua	+++++ 41815	+++++ 89493	+++++ 134203	4190 332832	19451	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 20.0	2.50
4-Chloro-3-methylphenol	NPT	Lin1	873 86823	2626 174107	6079 226377	16145 439743	47634	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachlorophenol	PHN	Lin1	+++++ 19998	+++++ 44326	343 63623	1622 139243	8665	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
2-Methylnaphthalene	NPT	Ave	3946 200088	10239 378895	18990 488100	45895 920612	116645	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1-Methylnaphthalene	NPT	Ave	3862 194764	9694 369784	19233 472483	45878 892643	114811	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorocyclopentadiene	ANT	Lin1	150 34776	856 64194	1933 97766	5766 200421	18021	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	1552 74418	3878 142917	7558 184405	17665 360885	43297	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Trichlorophenol	ANT	Lin1	470 46952	1321 96043	3177 130403	8897 255550	26714	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,5-Trichlorophenol	ANT	Lin1	397 48969	1461 101587	3407 132067	9511 266762	27455	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,1'-Biphenyl	ANT	Ave	4544 225668	11523 426919	22592 544573	52635 1028249	130515	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chloronaphthalene	ANT	Ave	4484 237382	12260 440513	22908 588217	52992 1085900	140181	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenyl ether	NPT	Ave	2515 118920	6204 234598	12596 297042	28669 569271	69465	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitroaniline	ANT	Lin1	602 55353	1563 117597	3414 156312	10040 308206	31578	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dimethyl phthalate	ANT	Ave	3552 205319	9090 405882	19779 520418	47069 995972	121505	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrotoluene	ANT	Lin1	461 45920	1228 91987	3496 120535	9312 233972	26368	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthylene	ANT	Ave	4234 286518	11996 560797	25289 719326	62963 1368197	164157	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthene	ANT	Ave	3863 180863	9428 342601	17814 451975	42288 864997	107211	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenzofuran	ANT	Ave	4963 246893	12741 468263	24343 613316	56901 1170485	143415	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,6-Dinitrotoluene	ANT	Lin1	374 55537	1048 115257	3008 151861	10155 300059	31372	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	186 35605	714 76724	2252 103646	6812 204703	20622	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diethyl phthalate	ANT	Ave	3703 216154	8830 416520	18635 548164	46021 1041640	123130	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.: 360-24417-2 Analy Batch No.: 49259

SDG No.: OCRI-10A

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

Calibration Start Date: 09/21/2009 15:23 Calibration End Date: 09/21/2009 18:59 Calibration ID: 4673

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
Fluorene	ANT	Ave	3628 198349	9213 379993	18435 493680	43595 949698	112850	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chlorophenyl phenyl ether	ANT	Ave	1940 90394	4613 174592	9200 228690	21326 445396	53210	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3-Nitroaniline	ANT	Lin1	118 34926	747 70539	1917 96675	6268 203360	20662	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diphenylamine	PHN	Ave	2415 164501	6858 318469	14486 416630	35666 815760	94787	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodiphenylamine	PHN	Ave	2415 164501	6858 318469	14486 416630	35666 815760	94787	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Diphenylhydrazine	PHN	Ave	4401 356863	12844 686721	29110 893657	76425 1704539	202747	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Azobenzene	PHN	Ave	4401 356863	12844 686721	29110 893657	76425 1704539	202747	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzophenone	PHN	Ave	2653 209645	7552 406734	17313 528132	44986 1018074	120716	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Bromophenyl phenyl ether	PHN	Ave	933 48776	2170 93976	4618 123927	11369 245846	28482	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobenzene	PHN	Ave	1121 52697	2650 103874	5351 132436	12443 261956	30437	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Atrazine	PHN	Lin1	471 49176	1373 98203	3134 126535	9473 255403	27629	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachloronitrobenzene	PHN	Lin1	168 23034	520 46542	1423 60611	4297 120429	12283	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenanthrene	PHN	Ave	5374 255362	13485 497624	25312 660279	59987 1270870	150314	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Anthracene	PHN	Ave	3257 242169	9308 480208	19951 631317	53233 1247549	140510	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Carbazole	PHN	Ave	2925 205095	8096 412744	17219 556129	46035 1037262	122917	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-butyl phthalate	PHN	Lin1	4763 316342	10174 659258	20800 843641	60023 1634442	177003	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluoranthene	PHN	Ave	3227 223633	8413 461709	17710 594425	47737 1147988	128760	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pyrene	CRY	Ave	3493 239187	9279 480976	18763 617522	49791 1222112	135772	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Butyl benzyl phthalate	CRY	Lin1	870 116573	2055 255119	4293 344693	16890 673892	61633	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[a]anthracene	CRY	Lin1	2397 149954	4314 314324	8164 421231	27675 857987	79867	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3,3'-Dichlorobenzidine	CRY	Lin1	240 45582	550 90093	1285 118686	5644 240609	21658	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.: 360-24417-2 Analy Batch No.: 49259

SDG No.: OCRI-10A

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

Calibration Start Date: 09/21/2009 15:23 Calibration End Date: 09/21/2009 18:59 Calibration ID: 4673

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	Lin2	3571 154498	7257 311083	12241 396899	34343 801197	87879	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-ethylhexyl) phthalate	CRY	Lin1	1695 158170	2677 352461	5852 481314	21017 924610	81015	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-octyl phthalate	PRY	Lin	1249 181724	2600 440243	4859 644087	15489 1296013	77823	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[b]fluoranthene	PRY	Ave	1686 152034	3971 276732	7869 385237	25552 739297	78880	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[k]fluoranthene	PRY	Ave	1356 127465	3526 255150	8604 354672	27096 730053	73114	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[a]pyrene	PRY	Lin1	673 96787	1503 190737	3113 278134	12889 563390	46336	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	619 91492	1614 153511	3107 261966	12959 487351	43799	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenz(a,h)anthracene	PRY	Lin1	381 73837	1333 122692	2945 213020	11539 402506	36701	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	820 81849	1751 136339	3954 226226	13220 416835	40891	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorophenol	DCB	Lin	792 87037	3318 187787	6820 244896	17026 479585	47242	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenol-d5	DCB	Ave	1994 117909	5066 230381	10445 299176	26238 575018	68131	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene-d5	NPT	Ave	1875 114781	4707 225793	9699 289274	24430 555091	66083	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorobiphenyl	ANT	Ave	4505 208172	11293 405731	21397 513489	48603 975811	123218	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Tribromophenol	PHN	Lin1	218 22630	474 45627	1318 61438	3748 127460	12086	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Terphenyl-d14	CRY	Ave	2291 144719	6023 288937	12309 378296	30323 753829	81657	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\INSTJ.i\20090922-1.b\J03040.D		
Lims ID:	std5	Client ID:	
Inject. Date:	21-Sep-2009 15:23:30	Dil. Factor:	1.0000
Sample Type:	ICIS, ICal ISTD Check	Calib Level:	6
Sample ID:	5PPM		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	49259	Lims Sample ID:	2
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 13:24:28	Calib Date:	21-Sep-2009 17:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03045.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 13:24:28

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.296	6.296	0.000	67803	2.00	
* 2 Naphthalene-d8	136	7.637	7.637	0.000	145374	2.00	
* 3 Acenaphthene-d10	164	9.369	9.369	0.000	71745	2.00	
* 4 Phenanthrene-d10	188	10.802	10.802	0.000	109359	2.00	
* 5 Chrysene-d12	240	13.369	13.369	0.000	74364	2.00	
* 6 Perylene-d12	264	14.706	14.706	0.000	49415	2.00	
$ 7 2-Fluorophenol	112	4.430	4.430	0.000	87037	4.78	
$ 8 Phenol-d5	99	5.959	5.959	0.000	117909	4.72	
$ 9 Nitrobenzene-d5	82	6.916	6.916	0.000	114781	5.33	5
$ 10 2-Fluorobiphenyl	172	8.734	8.734	0.000	208172	4.47	
$ 11 2,4,6-Tribromophenol	330	10.138	10.138	0.000	22630	4.95	
$ 12 Terphenyl-d14	244	12.384	12.384	0.000	144719	4.72	
14 1,4-Dioxane	88	1.357	1.357	0.000	36537	4.79	
16 Pyridine	79	1.670	1.670	0.000	85931	4.99	
15 N-Nitrosodimethylamine	74	1.674	1.674	0.000	50524	4.83	
19 Aniline	93	5.921	5.921	0.000	143681	4.66	
18 Phenol	94	5.978	5.978	0.000	126754	4.66	
20 Bis(2-chloroethyl)ether	93	6.050	6.050	0.000	99736	4.28	5
21 2-Chlorophenol	128	6.050	6.050	0.000	101510	4.58	
22 1,4-Dichlorobenzene	146	6.224	6.224	0.000	115239	4.29	
23 1,3-Dichlorobenzene	146	6.315	6.315	0.000	118178	4.23	
25 1,2-Dichlorobenzene	146	6.478	6.478	0.000	108456	4.03	
24 Benzyl alcohol	79	6.498	6.498	0.000	84897	5.51	5
26 2-Methylphenol	108	6.652	6.652	0.000	92209	4.89	5
27 2,2'-oxybis[1-chloropropane]	45	6.666	6.666	0.000	103746	4.30	
30 Acetophenone	105	6.767	6.767	0.000	134824	4.88	
17 Benzaldehyde	105	6.767	6.767	0.000	134824	4.88	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	6.796	6.796	0.000	73526	5.01	5
28 3 & 4 Methylphenol	108	6.825	6.825	0.000	96317	4.97	
31 Hexachloroethane	117	6.839	6.839	0.000	47453	4.66	
32 Nitrobenzene	77	6.935	6.935	0.000	116970	5.35	5
33 Isophorone	82	7.200	7.200	0.000	191876	4.90	
34 2-Nitrophenol	139	7.272	7.272	0.000	49358	5.03	5
35 2,4-Dimethylphenol	107	7.363	7.363	0.000	106947	5.48	5
36 Benzoic acid	105	7.455	7.455	0.000	15103	5.01	5M
37 Bis(2-chloroethoxy)methane	93	7.455	7.455	0.000	113244	4.99	
38 2,4-Dichlorophenol	162	7.522	7.522	0.000	73005	4.91	
39 1,2,4-Trichlorobenzene	180	7.594	7.594	0.000	88271	4.58	
41 Naphthalene	128	7.661	7.661	0.000	308374	4.63	
40 Alpha-Terpineol	59	7.710	7.710	0.000	73138	5.26	5
42 4-Chloroaniline	127	7.743	7.743	0.000	120228	5.49	5
43 Hexachlorobutadiene	225	7.811	7.811	0.000	50399	4.78	
44 Caprolactam	55	8.065	8.065	0.000	27908	5.06	5
45 4-Chloro-3-methylphenol	107	8.253	8.253	0.000	86823	4.99	
46 2-Methylnaphthalene	142	8.359	8.359	0.000	200088	4.83	
47 1-Methylnaphthalene	142	8.450	8.450	0.000	194764	4.79	
48 Hexachlorocyclopentadiene	237	8.522	8.522	0.000	34776	5.07	5
49 1,2,4,5-Tetrachlorobenzene	216	8.527	8.527	0.000	74418	4.70	
50 2,4,6-Trichlorophenol	196	8.652	8.652	0.000	46952	4.89	5
51 2,4,5-Trichlorophenol	196	8.681	8.681	0.000	48969	4.90	
52 1,1'-Biphenyl	154	8.825	8.825	0.000	225668	4.61	
53 2-Chloronaphthalene	162	8.830	8.830	0.000	237382	4.69	
54 Phenyl ether	170	8.936	8.936	0.000	118920	4.64	
68 4-Nitroaniline	138	8.945	8.945	0.000	55353	4.92	
56 Dimethyl phthalate	163	9.152	9.152	0.000	205319	4.86	
63 2,4-Dinitrotoluene	165	9.200	9.200	0.000	45920	4.83	
58 Acenaphthylene	152	9.224	9.224	0.000	286518	5.16	5
61 Acenaphthene	153	9.397	9.397	0.000	180863	4.54	
60 2,4-Dinitrophenol	184	9.465	9.465	0.000	9260	8.02	5
62 4-Nitrophenol	109	9.542	9.542	0.000	25994	5.00	5
64 Dibenzofuran	168	9.571	9.571	0.000	246893	4.62	
57 2,6-Dinitrotoluene	165	9.590	9.590	0.000	55537	4.90	
65 2,3,4,6-Tetrachlorophenol	232	9.700	9.700	0.000	35605	4.84	
66 Diethyl phthalate	149	9.845	9.845	0.000	216154	5.12	5
69 Fluorene	166	9.902	9.902	0.000	198349	4.88	
67 4-Chlorophenyl phenyl ether	204	9.926	9.926	0.000	90394	4.52	
59 3-Nitroaniline	138	9.936	9.936	0.000	34926	4.85	
70 4,6-Dinitro-2-methylphenol	198	9.979	9.979	0.000	19334	5.11	5
72 N-Nitrosodiphenylamine	169	10.042	10.042	0.000	164501	5.19	5
71 Diphenylamine	169	10.042	10.042	0.000	164501	5.19	5
74 Azobenzene	77	10.075	10.075	0.000	356863	4.97	
73 1,2-Diphenylhydrazine	77	10.075	10.075	0.000	356863	4.97	
13 Benzophenone	105	10.090	10.090	0.000	209645	4.95	
75 4-Bromophenyl phenyl ether	248	10.393	10.393	0.000	48776	4.80	
55 2-Nitroaniline	65	10.393	10.393	0.000	7933	4.52	
76 Hexachlorobenzene	284	10.436	10.436	0.000	52697	4.57	
77 Atrazine	200	10.590	10.590	0.000	49176	4.93	
78 Pentachlorophenol	266	10.638	10.638	0.000	19998	5.14	5
79 Pentachloronitrobenzene	237	10.648	10.648	0.000	23034	5.01	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	10.826	10.826	0.000	255362	4.55	
81 Anthracene	178	10.874	10.874	0.000	242169	5.35	5
83 Carbazole	167	11.047	11.047	0.000	205095	5.22	5
84 Di-n-butyl phthalate	149	11.446	11.446	0.000	316342	4.96	
87 Fluoranthene	202	11.980	11.980	0.000	223633	5.39	5
86 Benzidine	184	12.143	12.143	0.000	41815	4.93	
85 Pyrene	202	12.191	12.191	0.000	239187	4.72	
89 Butyl benzyl phthalate	149	12.893	12.893	0.000	116573	4.92	
93 Benzo[a]anthracene	228	13.365	13.365	0.000	149954	5.01	5
91 3,3'-Dichlorobenzidine	252	13.365	13.365	0.000	45582	4.87	
94 Chrysene	228	13.394	13.394	0.000	154498	4.61	
92 Bis(2-ethylhexyl) phthalate	149	13.475	13.475	0.000	158170	4.75	
95 Di-n-octyl phthalate	149	14.091	14.091	0.000	181724	5.00	
97 Benzo[b]fluoranthene	252	14.365	14.365	0.000	152034	5.00	
98 Benzo[k]fluoranthene	252	14.389	14.389	0.000	127465	5.00	5
99 Benzo[a]pyrene	252	14.653	14.653	0.000	96787	5.00	
100 Indeno[1,2,3-cd]pyrene	276	15.610	15.610	0.000	91492	5.00	
101 Dibenz(a,h)anthracene	278	15.630	15.630	0.000	73837	5.00	
102 Benzo[g,h,i]perylene	276	15.817	15.817	0.000	81849	5.00	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 23-Sep-2009 13:24:29 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03040.D

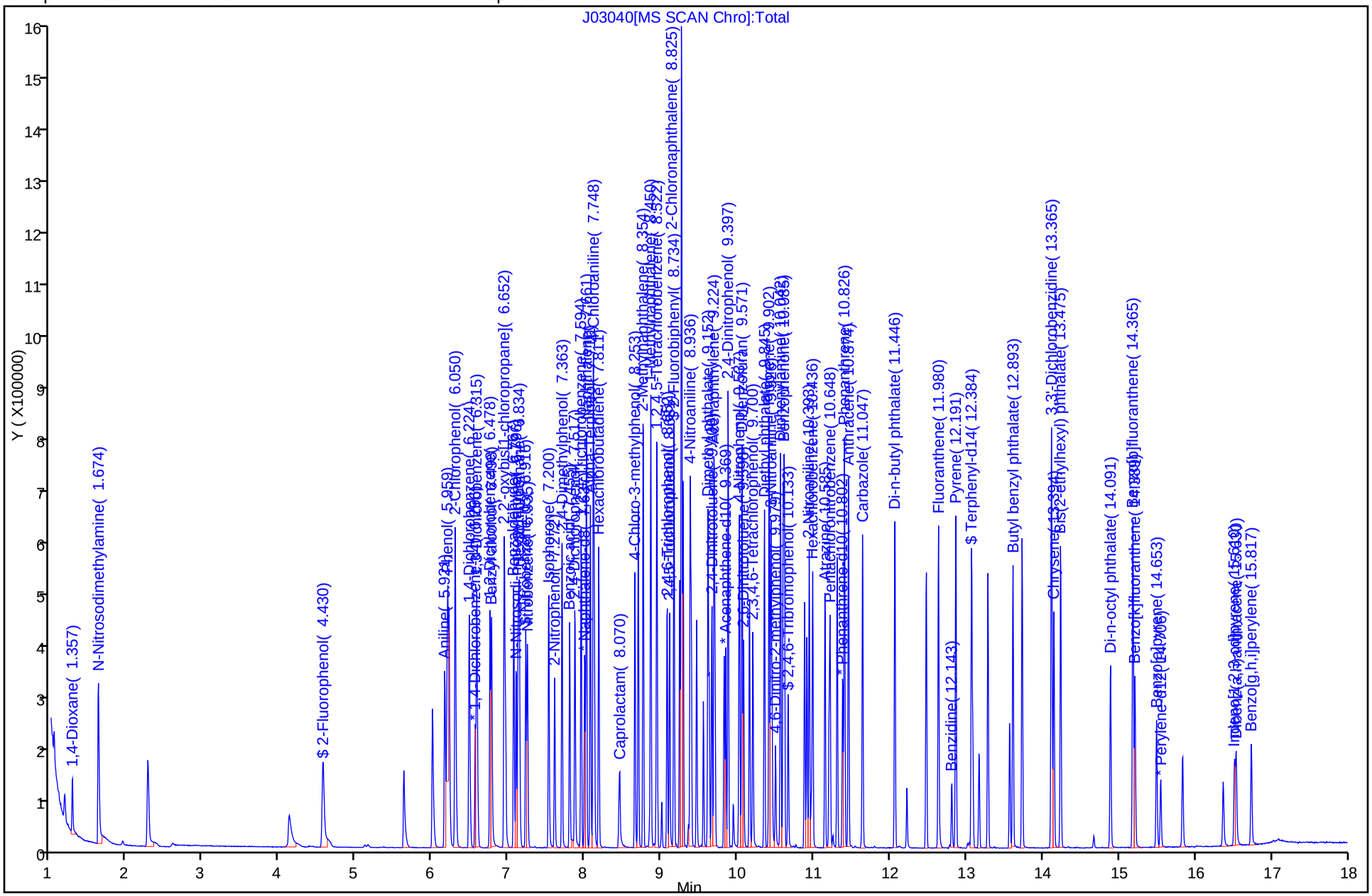
Inj Date: 21-Sep-2009 15:23:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 2

Client ID: Instrument: Inst. J

Sample Info: 5PPM

Sample Amount: 1.00 ul Operator:



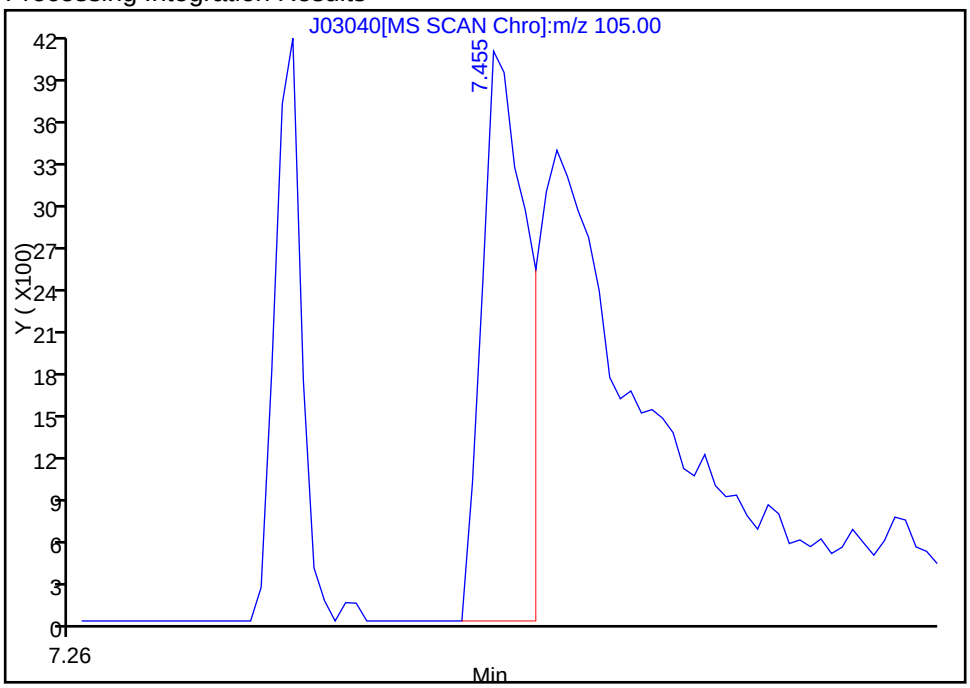
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03040.D		
Inj Date:	21-Sep-2009 15:23:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	5PPM		
Sample Amount:	1.00 ul	Operator:	

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 7.45

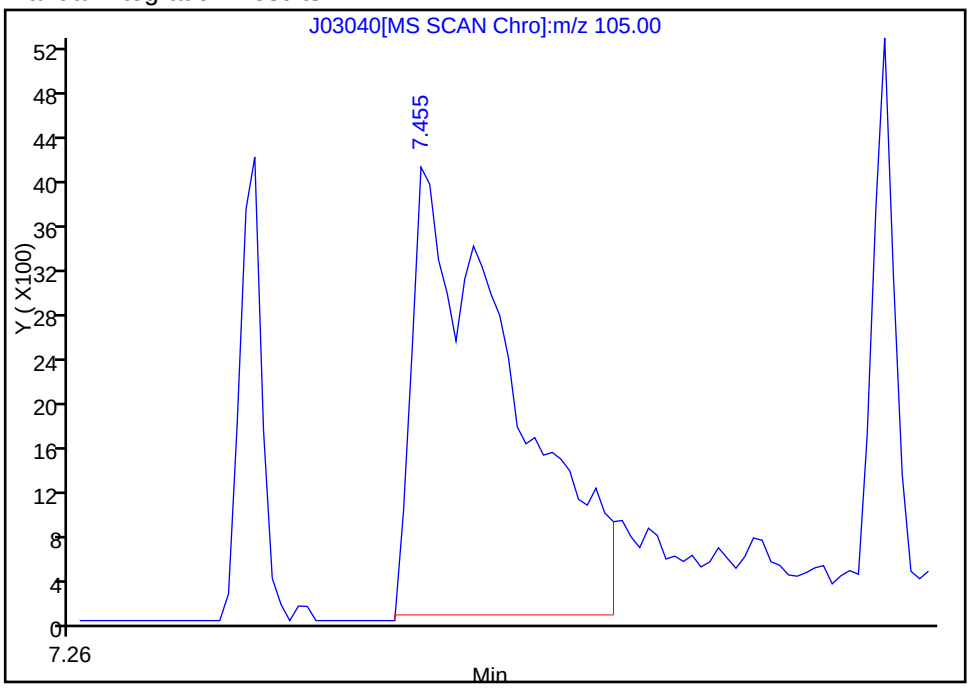
Processing Integration Results

RT: 7.45
Response: 5802
Amount: 5.003514



Manual Integration Results

RT: 7.45
Response: 15103
Amount: 5.007420



Reviewer: sullivanp, 23-Sep-2009 13:24:28
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03041.D		
Lims ID:	std01	Client ID:	
Inject. Date:	21-Sep-2009 15:50:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	0.1PPM		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	49259	Lims Sample ID:	3
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 14:22:16	Calib Date:	21-Sep-2009 17:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03045.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 14:22:16

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.298	6.296	0.002	57629	2.00	
* 2 Naphthalene-d8	136	7.640	7.637	0.003	142286	2.00	
* 3 Acenaphthene-d10	164	9.366	9.369	-0.003	66065	2.00	
* 4 Phenanthrene-d10	188	10.804	10.802	0.002	97308	2.00	
* 5 Chrysene-d12	240	13.372	13.369	0.003	50401	2.00	
* 6 Perylene-d12	264	14.709	14.706	0.003	26369	2.00	
$ 7 2-Fluorophenol	112	4.447	4.430	0.017	792	0.0987	
$ 8 Phenol-d5	99	5.967	5.959	0.008	1994	0.0940	
$ 9 Nitrobenzene-d5	82	6.924	6.916	0.008	1875	0.0889	
$ 10 2-Fluorobiphenyl	172	8.737	8.734	0.003	4505	0.1050	
$ 11 2,4,6-Tribromophenol	330	10.136	10.136	0.000	218	0.1894	M
$ 12 Terphenyl-d14	244	12.386	12.386	0.000	2291	0.1074	M
14 1,4-Dioxane	88	1.365	1.357	0.008	2446	0.1147	
15 N-Nitrosodimethylamine	74	1.696	1.674	0.022	784	0.0881	
19 Aniline	93	5.928	5.921	0.007	2733	0.1044	
18 Phenol	94	5.981	5.978	0.003	2064	0.0892	
20 Bis(2-chloroethyl)ether	93	6.063	6.050	0.013	2089	0.1054	
21 2-Chlorophenol	128	6.058	6.050	0.008	1851	0.0982	
22 1,4-Dichlorobenzene	146	6.226	6.224	0.002	2334	0.1022	
23 1,3-Dichlorobenzene	146	6.318	6.315	0.003	2636	0.1109	
25 1,2-Dichlorobenzene	146	6.481	6.478	0.003	2690	0.1177	
24 Benzyl alcohol	79	6.505	6.498	0.007	1054	0.0805	
26 2-Methylphenol	108	6.654	6.652	0.002	1463	0.0913	
27 2,2'-oxybis[1-chloropropane]	45	6.669	6.666	0.003	2275	0.1109	
30 Acetophenone	105	6.775	6.767	0.008	2179	0.0929	
17 Benzaldehyde	105	6.775	6.767	0.008	2179	0.0929	
29 N-Nitrosodi-n-propylamine	70	6.803	6.796	0.007	1119	0.0897	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	6.827	6.825	0.002	1418	0.0861	
31 Hexachloroethane	117	6.842	6.839	0.003	813	0.0940	
32 Nitrobenzene	77	6.943	6.935	0.008	1772	0.0828	
33 Isophorone	82	7.203	7.200	0.003	2625	0.1186	
34 2-Nitrophenol	139	7.279	7.272	0.007	492	0.1313	
35 2,4-Dimethylphenol	107	7.361	7.363	-0.002	1647	0.0862	
37 Bis(2-chloroethoxy)methane	93	7.457	7.455	0.002	1961	0.0882	
38 2,4-Dichlorophenol	162	7.525	7.522	0.003	981	0.1197	
39 1,2,4-Trichlorobenzene	180	7.597	7.594	0.003	2015	0.1068	
41 Naphthalene	128	7.659	7.661	-0.002	6724	0.1031	
40 Alpha-Terpineol	59	7.707	7.710	-0.003	940	0.1057	
42 4-Chloroaniline	127	7.746	7.743	0.003	1761	0.0822	
43 Hexachlorobutadiene	225	7.813	7.811	0.003	1021	0.0989	
45 4-Chloro-3-methylphenol	107	8.256	8.253	0.003	873	0.1252	
46 2-Methylnaphthalene	142	8.357	8.359	-0.002	3946	0.0974	
47 1-Methylnaphthalene	142	8.448	8.450	-0.002	3862	0.0970	
48 Hexachlorocyclopentadiene	237	8.525	8.522	0.003	150	0.1293	
49 1,2,4,5-Tetrachlorobenzene	216	8.525	8.527	-0.002	1552	0.1000	
50 2,4,6-Trichlorophenol	196	8.650	8.652	-0.002	470	0.1256	
51 2,4,5-Trichlorophenol	196	8.684	8.684	0.000	397	0.1180	M
52 1,1'-Biphenyl	154	8.828	8.825	0.003	4544	0.1008	
53 2-Chloronaphthalene	162	8.828	8.830	-0.002	4484	0.0963	
54 Phenyl ether	170	8.934	8.936	-0.002	2515	0.1002	
68 4-Nitroaniline	138	8.948	8.945	0.003	602	0.1318	
56 Dimethyl phthalate	163	9.150	9.152	-0.002	3552	0.0913	
63 2,4-Dinitrotoluene	165	9.198	9.200	-0.002	461	0.1207	
58 Acenaphthylene	152	9.227	9.224	0.003	4234	0.0827	
61 Acenaphthene	153	9.400	9.397	0.003	3863	0.1052	
64 Dibenzofuran	168	9.568	9.571	-0.003	4963	0.1008	
57 2,6-Dinitrotoluene	165	9.588	9.590	-0.002	374	0.1494	
65 2,3,4,6-Tetrachlorophenol	232	9.708	9.700	0.008	186	0.1288	
66 Diethyl phthalate	149	9.843	9.845	-0.002	3703	0.0952	
69 Fluorene	166	9.905	9.902	0.003	3628	0.0969	
67 4-Chlorophenyl phenyl ether	204	9.924	9.926	-0.002	1940	0.1054	
59 3-Nitroaniline	138	9.939	9.936	0.003	118	0.1243	
72 N-Nitrosodiphenylamine	169	10.045	10.042	0.003	2415	0.0856	
71 Diphenylamine	169	10.045	10.042	0.003	2415	0.0856	
74 Azobenzene	77	10.078	10.075	0.003	4401	0.1047	
73 1,2-Diphenylhydrazine	77	10.078	10.075	0.003	4401	0.1047	
13 Benzophenone	105	10.088	10.090	-0.002	2653	0.1049	
75 4-Bromophenyl phenyl ether	248	10.396	10.393	0.003	933	0.1032	
76 Hexachlorobenzene	284	10.439	10.436	0.003	1121	0.1092	
77 Atrazine	200	10.583	10.590	-0.007	471	0.1285	
79 Pentachloronitrobenzene	237	10.655	10.648	0.007	168	0.1324	
80 Phenanthrene	178	10.828	10.826	0.002	5374	0.1075	
81 Anthracene	178	10.876	10.874	0.002	3257	0.0809	
83 Carbazole	167	11.050	11.047	0.003	2925	0.0837	
84 Di-n-butyl phthalate	149	11.444	11.446	-0.002	4763	0.1336	
87 Fluoranthene	202	11.982	11.980	0.002	3227	0.0874	
85 Pyrene	202	12.194	12.191	0.003	3493	0.1012	
89 Butyl benzyl phthalate	149	12.891	12.893	-0.002	870	0.1146	
93 Benzo[a]anthracene	228	13.367	13.365	0.002	2397	0.1131	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
91 3,3'-Dichlorobenzidine	252	13.367	13.367	0.000	240	0.2478	M
94 Chrysene	228	13.396	13.394	0.002	3571	0.1000	
92 Bis(2-ethylhexyl) phthalate	149	13.478	13.478	0.000	1695	0.2116	M
95 Di-n-octyl phthalate	149	14.089	14.089	0.000	1249	0.1000	M
97 Benzo[b]fluoranthene	252	14.368	14.365	0.003	1686	0.1019	
98 Benzo[k]fluoranthene	252	14.387	14.389	-0.002	1356	0.0998	
99 Benzo[a]pyrene	252	14.656	14.653	0.003	673	0.1000	
100 Indeno[1,2,3-cd]pyrene	276	15.608	15.608	0.000	619	0.1000	M
101 Dibenz(a,h)anthracene	278	15.632	15.632	0.000	381	0.1000	M
102 Benzo[g,h,i]perylene	276	15.820	15.820	0.000	820	0.0968	M

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 23-Sep-2009 14:22:17 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03041.D

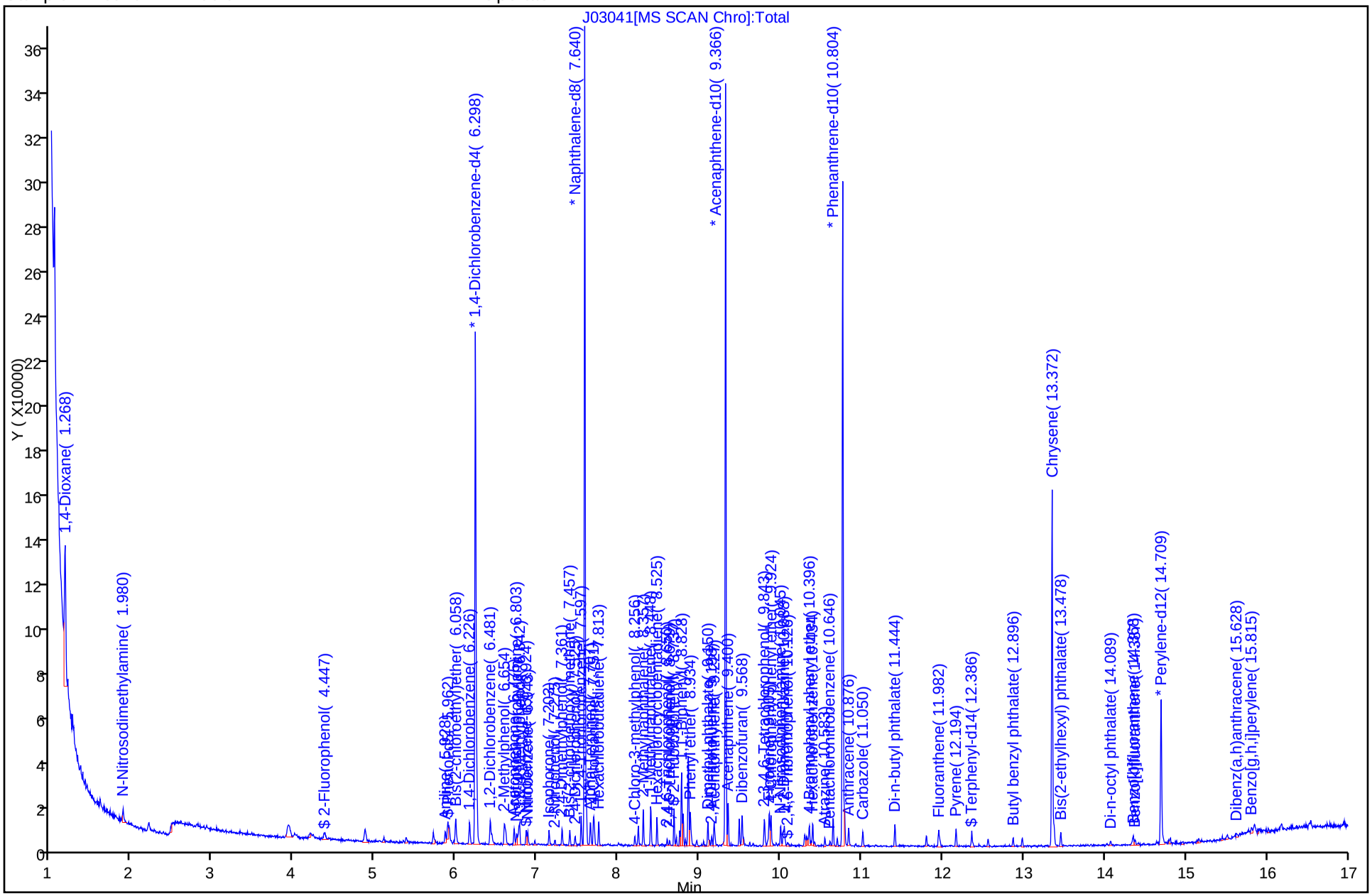
Inj Date: 21-Sep-2009 15:50:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 3

Client ID: Instrument: Inst. J

Sample Info: 0.1PPM

Sample Amount: 1.00 ul Operator:



Chrom Revision: 1.1 20-Sep-2009 21:03:36

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03041.D		
Inj Date:	21-Sep-2009 15:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1PPM		
Sample Amount:	1.00 ul	Operator:	

100 Indeno[1,2,3-cd]pyrene, Number: 1, m/z: 276 Type: quant, RT: 15.61

Processing Integration Results

Not Detected

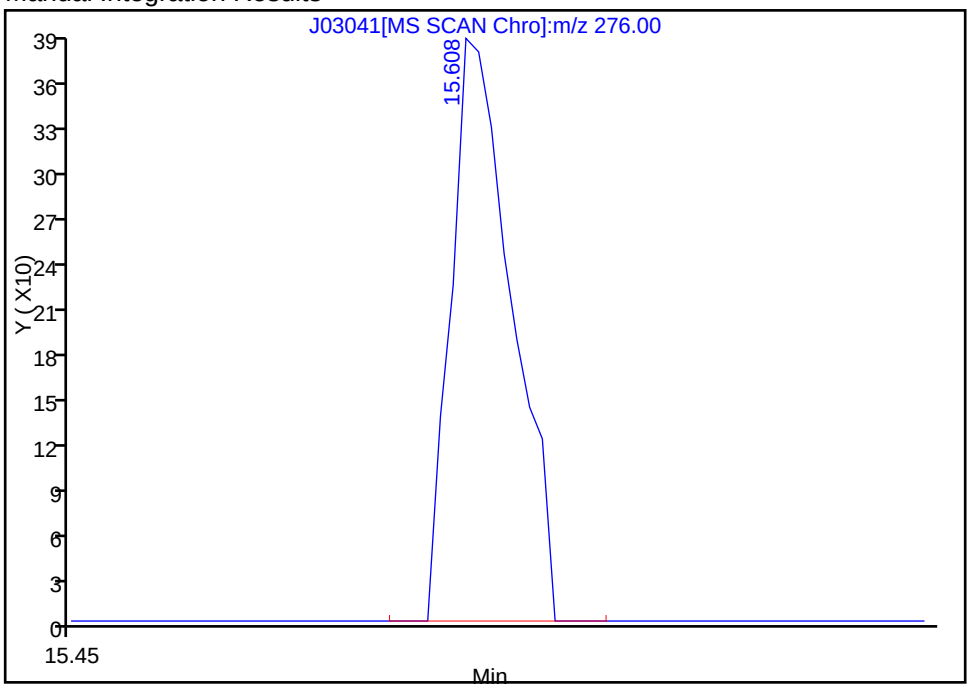
Expected RT: 15.61

Manual Integration Results

RT: 15.61

Response: 619

Amount: 0.100000



Reviewer: sullivanp, 23-Sep-2009 14:22:16

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Chrom Revision: 1.1 20-Sep-2009 21:03:36

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03041.D		
Inj Date:	21-Sep-2009 15:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1PPM		
Sample Amount:	1.00 ul	Operator:	

$ 11 2,4,6-Tribromophenol, Number: 1, m/z: 329.65 Type: quant, RT: 10.14

Processing Integration Results

Not Detected

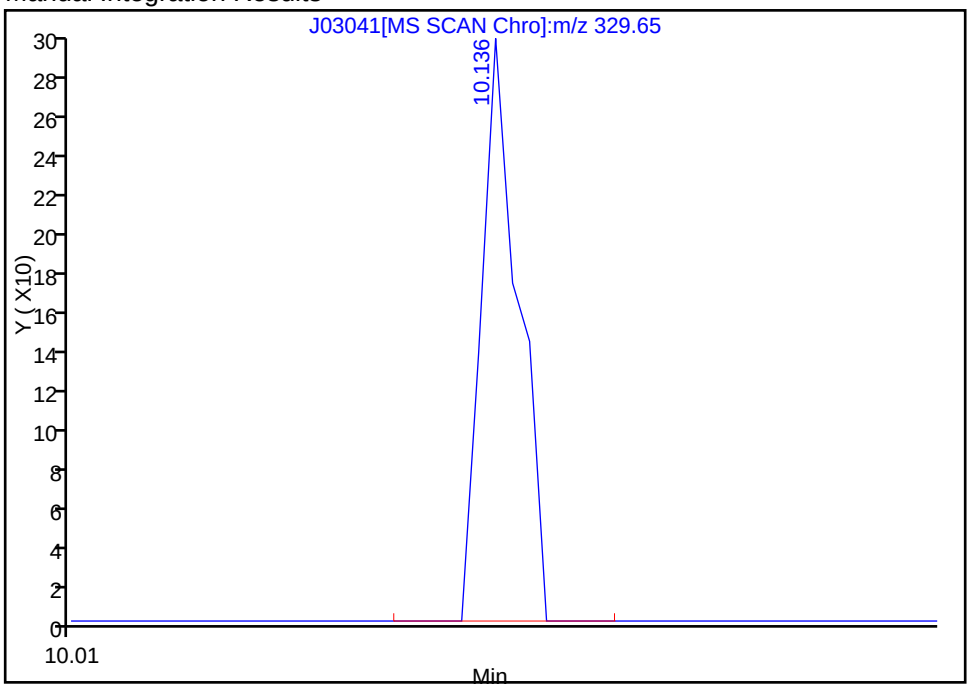
Expected RT: 10.14

Manual Integration Results

RT: 10.14

Response: 218

Amount: 0.189435



Reviewer: sullivanp, 23-Sep-2009 14:22:16

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Chrom Revision: 1.1 20-Sep-2009 21:03:36

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03041.D		
Inj Date:	21-Sep-2009 15:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1PPM		
Sample Amount:	1.00 ul	Operator:	

92 Bis(2-ethylhexyl) phthalate, Number: 1, m/z: 149 Type: quant, RT: 13.48

Processing Integration Results

Not Detected

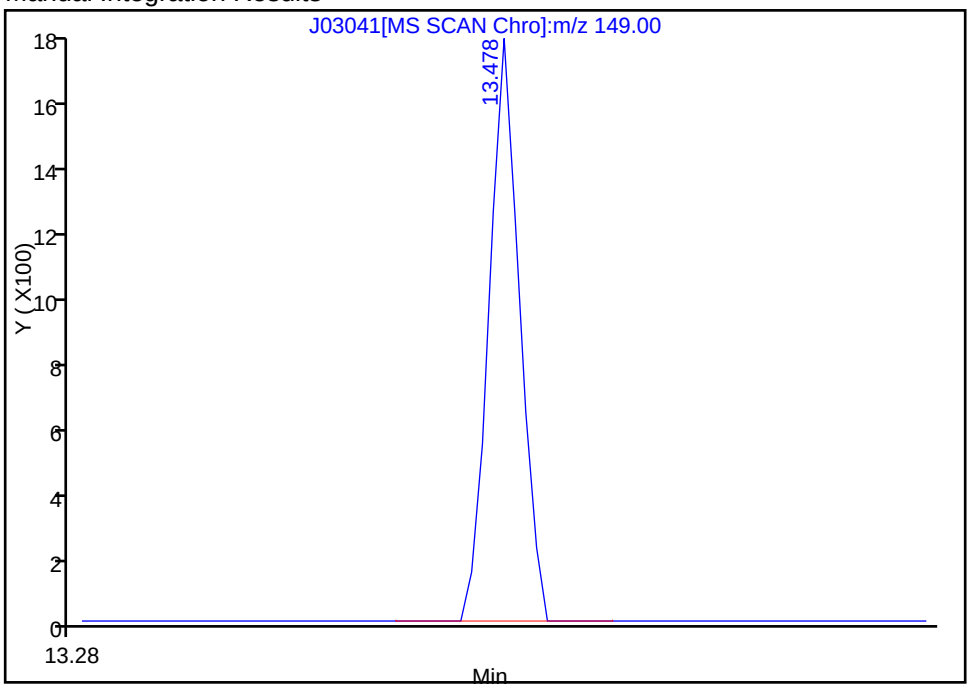
Expected RT: 13.48

Manual Integration Results

RT: 13.48

Response: 1695

Amount: 0.211563



Reviewer: sullivanp, 23-Sep-2009 14:22:16

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Chrom Revision: 1.1 20-Sep-2009 21:03:36

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03041.D		
Inj Date:	21-Sep-2009 15:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1PPM		
Sample Amount:	1.00 ul	Operator:	

102 Benzo[g,h,i]perylene, Number: 1, m/z: 276 Type: quant, RT: 15.82

Processing Integration Results

Not Detected

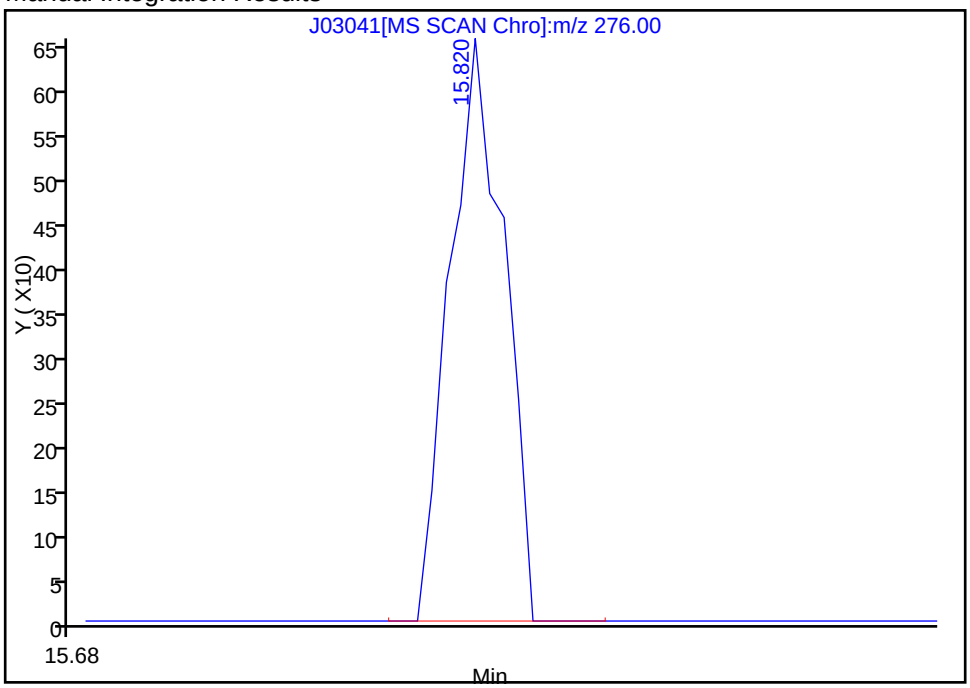
Expected RT: 15.82

Manual Integration Results

RT: 15.82

Response: 820

Amount: 0.096839



Reviewer: sullivanp, 23-Sep-2009 14:22:16

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Chrom Revision: 1.1 20-Sep-2009 21:03:36

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03041.D		
Inj Date:	21-Sep-2009 15:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1PPM		
Sample Amount:	1.00 ul	Operator:	

95 Di-n-octyl phthalate, Number: 1, m/z: 149 Type: quant, RT: 14.09

Processing Integration Results

Not Detected

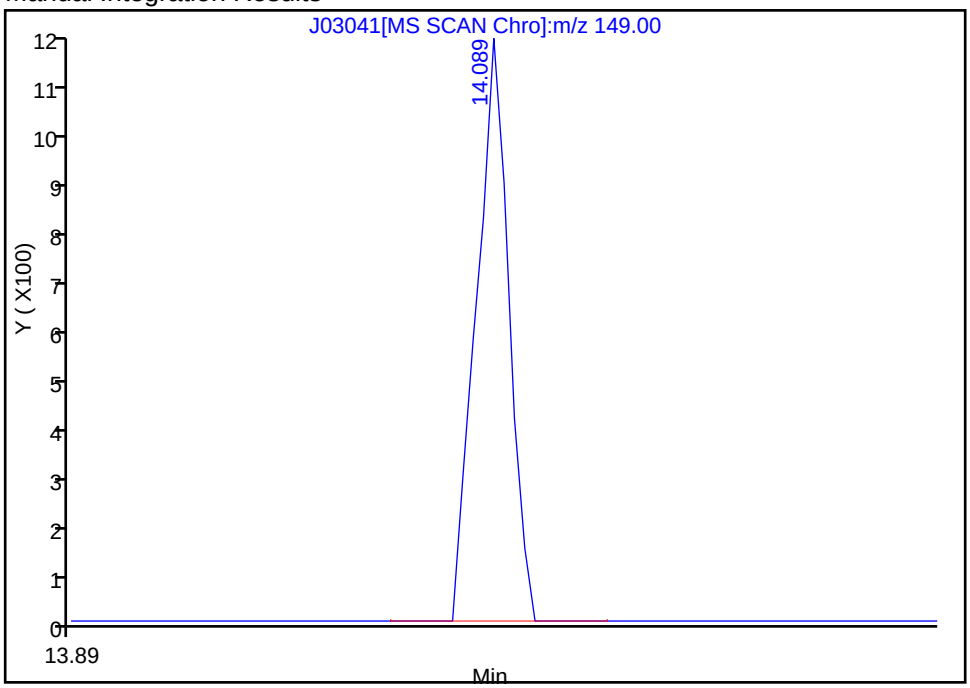
Expected RT: 14.09

Manual Integration Results

RT: 14.09

Response: 1249

Amount: 0.100000



Reviewer: sullivanp, 23-Sep-2009 14:22:16

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Chrom Revision: 1.1 20-Sep-2009 21:03:36

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03041.D		
Inj Date:	21-Sep-2009 15:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1PPM		
Sample Amount:	1.00 ul	Operator:	

101 Dibenz(a,h)anthracene, Number: 1, m/z: 278 Type: quant, RT: 15.63

Processing Integration Results

Not Detected

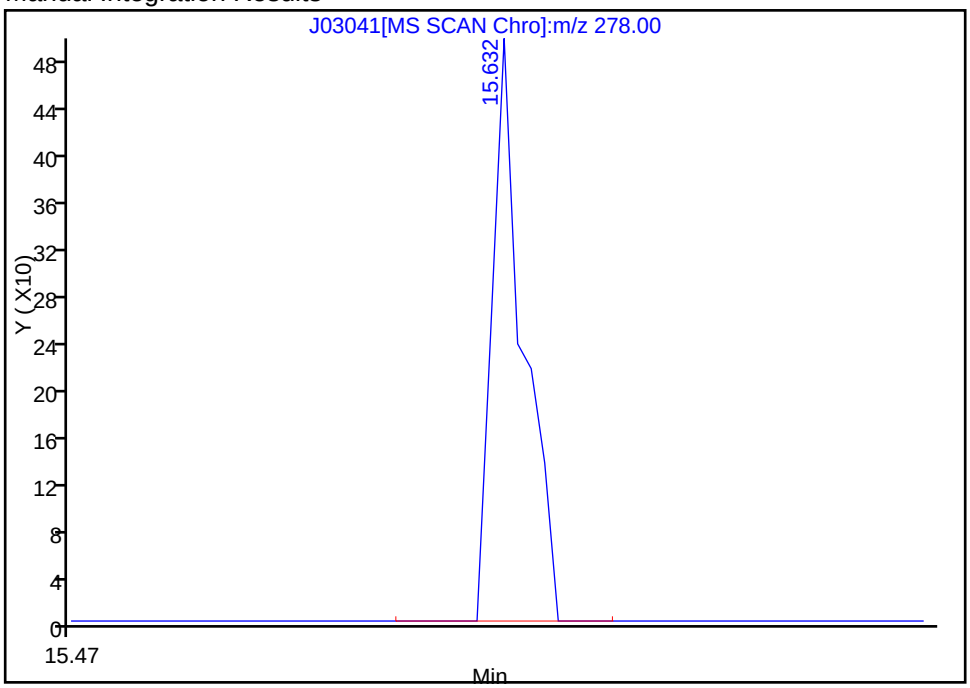
Expected RT: 15.63

Manual Integration Results

RT: 15.63

Response: 381

Amount: 0.100000



Reviewer: sullivanp, 23-Sep-2009 14:22:16

Audit Action: Manually Integrated

Audit Reason: Assign Peak

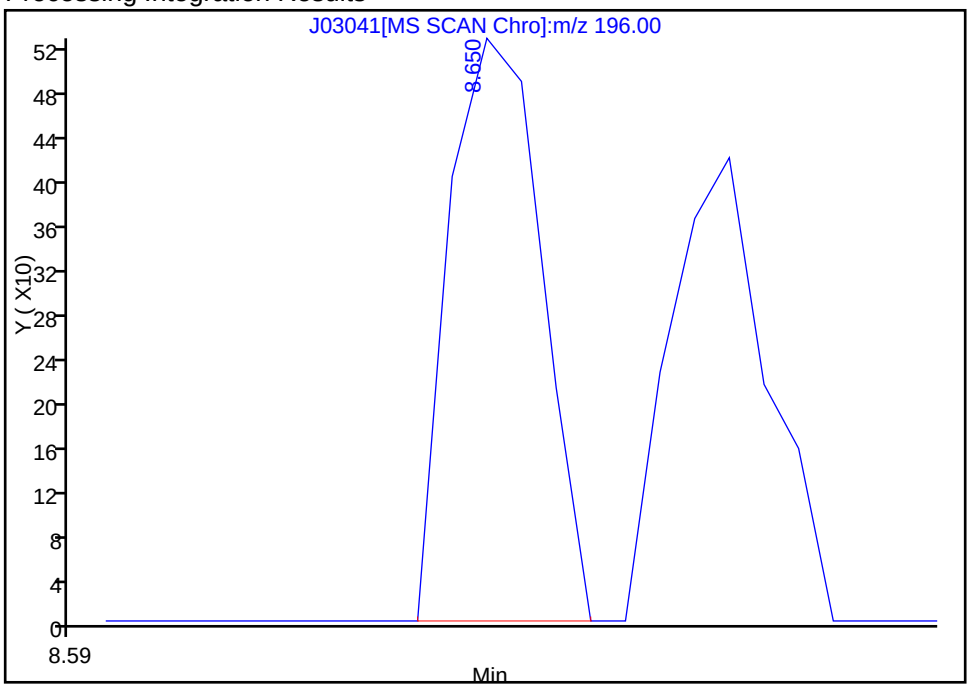
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03041.D		
Inj Date:	21-Sep-2009 15:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1PPM		
Sample Amount:	1.00 ul	Operator:	

51 2,4,5-Trichlorophenol, Number: 1, m/z: 196 Type: quant, RT: 8.68

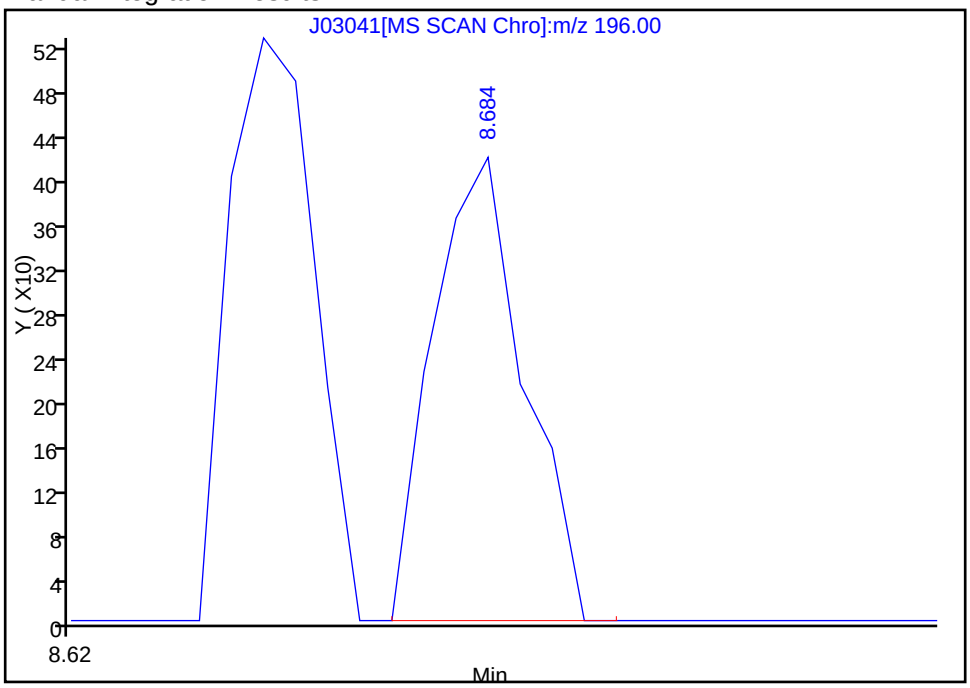
Processing Integration Results

RT: 8.65
Response: 470
Amount: 0.120812



Manual Integration Results

RT: 8.68
Response: 397
Amount: 0.118013



Reviewer: sullivanp, 23-Sep-2009 14:22:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Chrom Revision: 1.1 20-Sep-2009 21:03:36

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03041.D		
Inj Date:	21-Sep-2009 15:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1PPM		
Sample Amount:	1.00 ul	Operator:	

$ 12 Terphenyl-d14, Number: 1, m/z: 244 Type: quant, RT: 12.39

Processing Integration Results

Not Detected

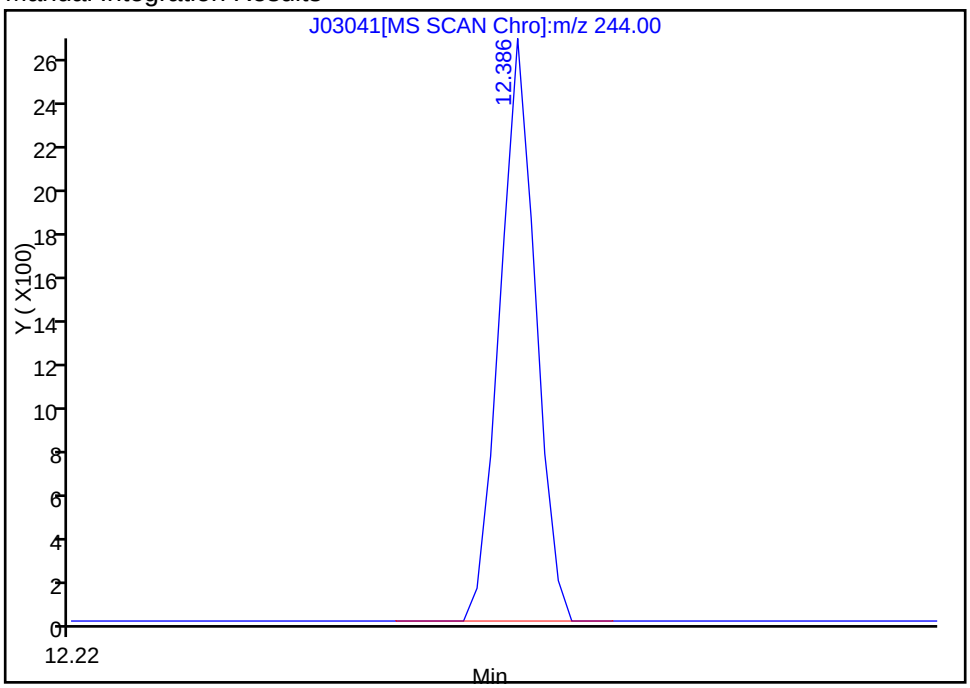
Expected RT: 12.39

Manual Integration Results

RT: 12.39

Response: 2291

Amount: 0.107432



Reviewer: sullivanp, 23-Sep-2009 14:22:16

Audit Action: Manually Integrated

Audit Reason: Assign Peak

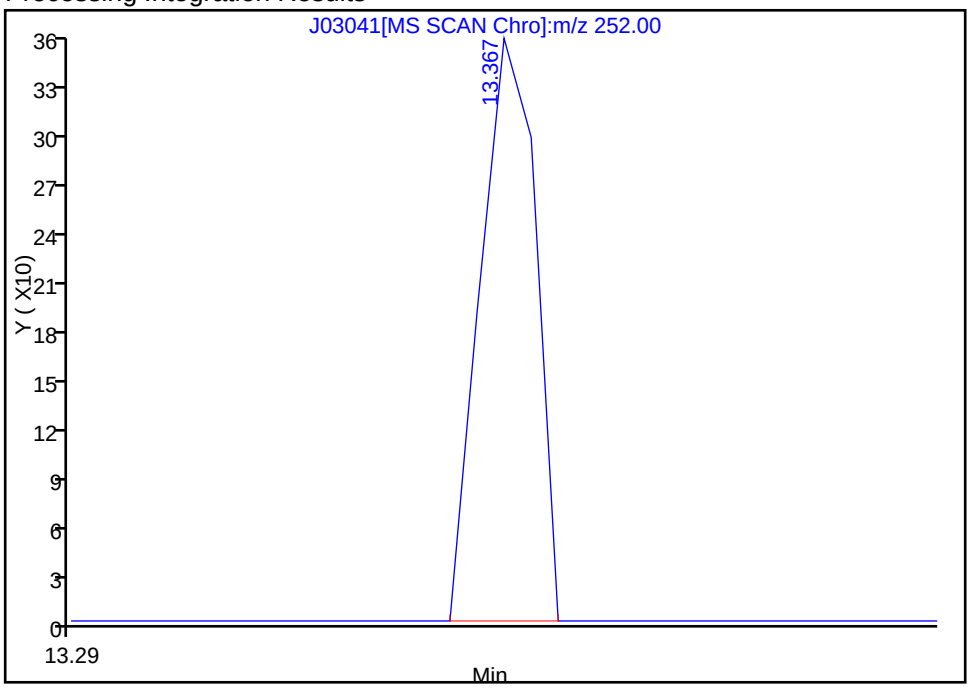
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03041.D		
Inj Date:	21-Sep-2009 15:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1PPM		
Sample Amount:	1.00 ul	Operator:	

91 3,3'-Dichlorobenzidine, Number: 1, m/z: 252 Type: quant, RT: 13.37

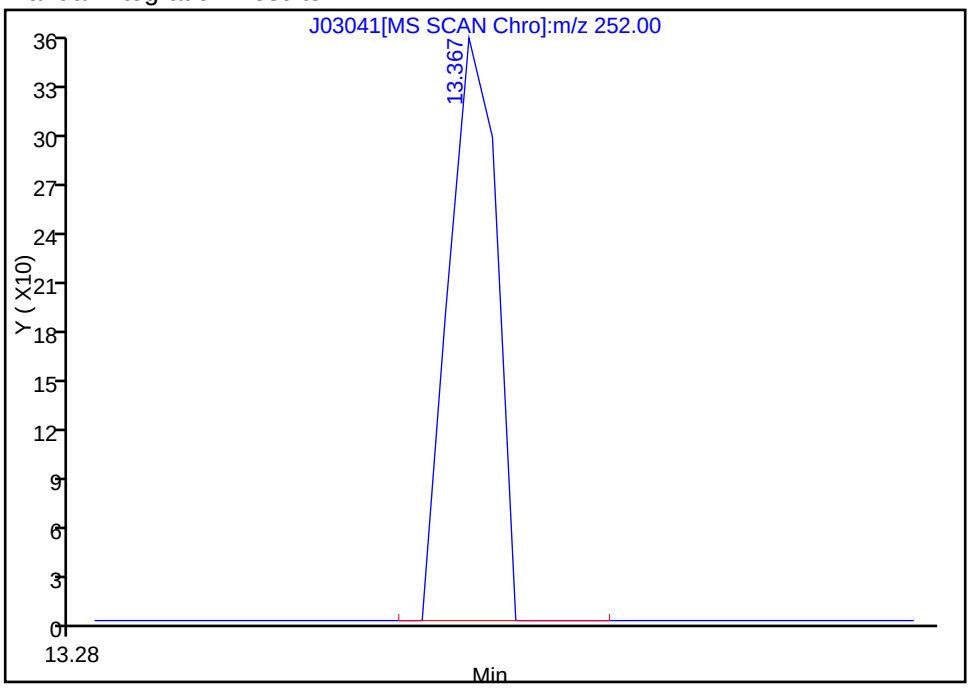
Processing Integration Results

RT: 13.37
Response: 240
Amount: 0.247781



Manual Integration Results

RT: 13.37
Response: 240
Amount: 0.247781



Reviewer: sullivanp, 23-Sep-2009 14:22:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03042.D		
Lims ID:	std025	Client ID:	
Inject. Date:	21-Sep-2009 16:17:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	0.25PPM		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	49259	Lims Sample ID:	4
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 14:24:54	Calib Date:	21-Sep-2009 17:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03045.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 14:24:54

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	6.296	6.296	0.000	57543	2.00	
* 2 Naphthalene-d8	136	7.638	7.637	0.001	142864	2.00	
* 3 Acenaphthene-d10	164	9.369	9.369	0.000	66457	2.00	
* 4 Phenanthrene-d10	188	10.802	10.802	0.000	102399	2.00	
* 5 Chrysene-d12	240	13.370	13.369	0.001	54134	2.00	
* 6 Perylene-d12	264	14.707	14.706	0.001	28585	2.00	
$ 7 2-Fluorophenol	112	4.445	4.430	0.015	3318	0.2605	
$ 8 Phenol-d5	99	5.965	5.959	0.006	5066	0.2391	
$ 9 Nitrobenzene-d5	82	6.922	6.916	0.006	4707	0.2224	
$ 10 2-Fluorobiphenyl	172	8.734	8.734	0.000	11293	0.2616	
$ 11 2,4,6-Tribromophenol	330	10.139	10.136	0.003	474	0.2451	
$ 12 Terphenyl-d14	244	12.384	12.386	-0.002	6023	0.2603	
14 1,4-Dioxane	88	1.358	1.357	0.001	2933	0.1950	
16 Pyridine	79	1.723	1.670	0.053	2921	0.3055	
15 N-Nitrosodimethylamine	74	1.690	1.674	0.016	2036	0.2292	
19 Aniline	93	5.926	5.921	0.005	6252	0.2391	
18 Phenol	94	5.979	5.978	0.001	5672	0.2455	
20 Bis(2-chloroethyl)ether	93	6.061	6.050	0.011	5018	0.2536	
21 2-Chlorophenol	128	6.056	6.050	0.006	4659	0.2474	
22 1,4-Dichlorobenzene	146	6.224	6.224	0.000	5959	0.2613	
23 1,3-Dichlorobenzene	146	6.320	6.320	0.000	6268	0.2619	M
25 1,2-Dichlorobenzene	146	6.484	6.478	0.006	5996	0.2628	
24 Benzyl alcohol	79	6.503	6.498	0.005	2937	0.2246	
26 2-Methylphenol	108	6.652	6.652	0.000	3925	0.2454	
27 2,2'-oxybis[1-chloropropane]	45	6.672	6.666	0.006	5183	0.2531	
30 Acetophenone	105	6.772	6.767	0.005	5308	0.2266	
17 Benzaldehyde	105	6.772	6.767	0.005	5308	0.2266	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	6.801	6.796	0.005	2935	0.2355	
28 3 & 4 Methylphenol	108	6.825	6.825	0.000	4065	0.2471	
31 Hexachloroethane	117	6.840	6.839	0.001	2186	0.2530	
32 Nitrobenzene	77	6.941	6.935	0.006	4761	0.2217	
33 Isophorone	82	7.200	7.200	0.000	6776	0.2251	
34 2-Nitrophenol	139	7.277	7.272	0.005	1341	0.2177	
35 2,4-Dimethylphenol	107	7.359	7.363	-0.004	4196	0.2187	
37 Bis(2-chloroethoxy)methane	93	7.455	7.455	0.000	5282	0.2367	
38 2,4-Dichlorophenol	162	7.523	7.522	0.001	2582	0.2277	
39 1,2,4-Trichlorobenzene	180	7.595	7.594	0.001	4720	0.2492	
41 Naphthalene	128	7.662	7.661	0.001	16523	0.2524	
40 Alpha-Terpineol	59	7.710	7.710	0.000	2563	0.2233	
42 4-Chloroaniline	127	7.749	7.743	0.006	4606	0.2141	
43 Hexachlorobutadiene	225	7.811	7.811	0.001	2615	0.2523	
44 Caprolactam	55	8.052	8.052	0.000	324	0.3027	M
45 4-Chloro-3-methylphenol	107	8.254	8.253	0.001	2626	0.2260	
46 2-Methylnaphthalene	142	8.359	8.359	0.000	10239	0.2516	
47 1-Methylnaphthalene	142	8.451	8.450	0.001	9694	0.2425	
48 Hexachlorocyclopentadiene	237	8.523	8.522	0.001	856	0.2379	
49 1,2,4,5-Tetrachlorobenzene	216	8.528	8.527	0.001	3878	0.2490	
50 2,4,6-Trichlorophenol	196	8.653	8.652	0.001	1321	0.2196	
51 2,4,5-Trichlorophenol	196	8.682	8.684	-0.002	1461	0.2306	
52 1,1'-Biphenyl	154	8.826	8.825	0.001	11523	0.2541	
53 2-Chloronaphthalene	162	8.831	8.830	0.001	12260	0.2617	
54 Phenyl ether	170	8.936	8.936	0.000	6204	0.2461	
68 4-Nitroaniline	138	8.946	8.945	0.001	1563	0.2222	
56 Dimethyl phthalate	163	9.153	9.152	0.001	9090	0.2322	
63 2,4-Dinitrotoluene	165	9.196	9.200	-0.004	1228	0.2063	
58 Acenaphthylene	152	9.225	9.224	0.001	11996	0.2331	
61 Acenaphthene	153	9.398	9.397	0.001	9428	0.2553	
64 Dibenzofuran	168	9.571	9.571	0.000	12741	0.2573	
57 2,6-Dinitrotoluene	165	9.590	9.590	0.000	1048	0.2118	
65 2,3,4,6-Tetrachlorophenol	232	9.706	9.700	0.006	714	0.2045	
66 Diethyl phthalate	149	9.845	9.845	0.000	8830	0.2257	
69 Fluorene	166	9.903	9.902	0.001	9213	0.2446	
67 4-Chlorophenyl phenyl ether	204	9.922	9.926	-0.004	4613	0.2492	
59 3-Nitroaniline	138	9.937	9.936	0.001	747	0.2164	
72 N-Nitrosodiphenylamine	169	10.042	10.042	0.000	6858	0.2311	
71 Diphenylamine	169	10.042	10.042	0.000	6858	0.2311	
74 Azobenzene	77	10.076	10.075	0.001	12844	0.2261	
73 1,2-Diphenylhydrazine	77	10.076	10.075	0.001	12844	0.2261	
13 Benzophenone	105	10.086	10.090	-0.004	7552	0.2241	
75 4-Bromophenyl phenyl ether	248	10.394	10.393	0.001	2170	0.2280	
76 Hexachlorobenzene	284	10.437	10.436	0.001	2650	0.2453	
77 Atrazine	200	10.586	10.590	-0.004	1373	0.2210	
79 Pentachloronitrobenzene	237	10.648	10.648	0.000	520	0.2107	
80 Phenanthrene	178	10.826	10.826	0.000	13485	0.2563	
81 Anthracene	178	10.879	10.874	0.005	9308	0.2198	
83 Carbazole	167	11.048	11.047	0.001	8096	0.2201	
84 Di-n-butyl phthalate	149	11.447	11.446	0.001	10174	0.2192	
87 Fluoranthene	202	11.980	11.980	0.000	8413	0.2165	
85 Pyrene	202	12.192	12.191	0.001	9279	0.2503	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
89 Butyl benzyl phthalate	149	12.894	12.893	0.001	2055	0.2334	
93 Benzo[a]anthracene	228	13.365	13.365	0.000	4314	0.1991	
91 3,3'-Dichlorobenzidine	252	13.365	13.367	-0.002	550	0.2766	
94 Chrysene	228	13.394	13.394	0.000	7257	0.2460	
92 Bis(2-ethylhexyl) phthalate	149	13.476	13.476	0.000	2677	0.2484	M
95 Di-n-octyl phthalate	149	14.087	14.089	-0.002	2600	0.1844	
97 Benzo[b]fluoranthene	252	14.366	14.365	0.001	3971	0.2302	
98 Benzo[k]fluoranthene	252	14.385	14.389	-0.004	3526	0.2429	
99 Benzo[a]pyrene	252	14.654	14.653	0.001	1503	0.1915	
100 Indeno[1,2,3-cd]pyrene	276	15.611	15.608	0.003	1614	0.2058	
101 Dibenz(a,h)anthracene	278	15.630	15.632	-0.002	1333	0.2188	
102 Benzo[g,h,i]perylene	276	15.818	15.818	0.000	1751	0.2071	M

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 23-Sep-2009 14:24:54 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03042.D

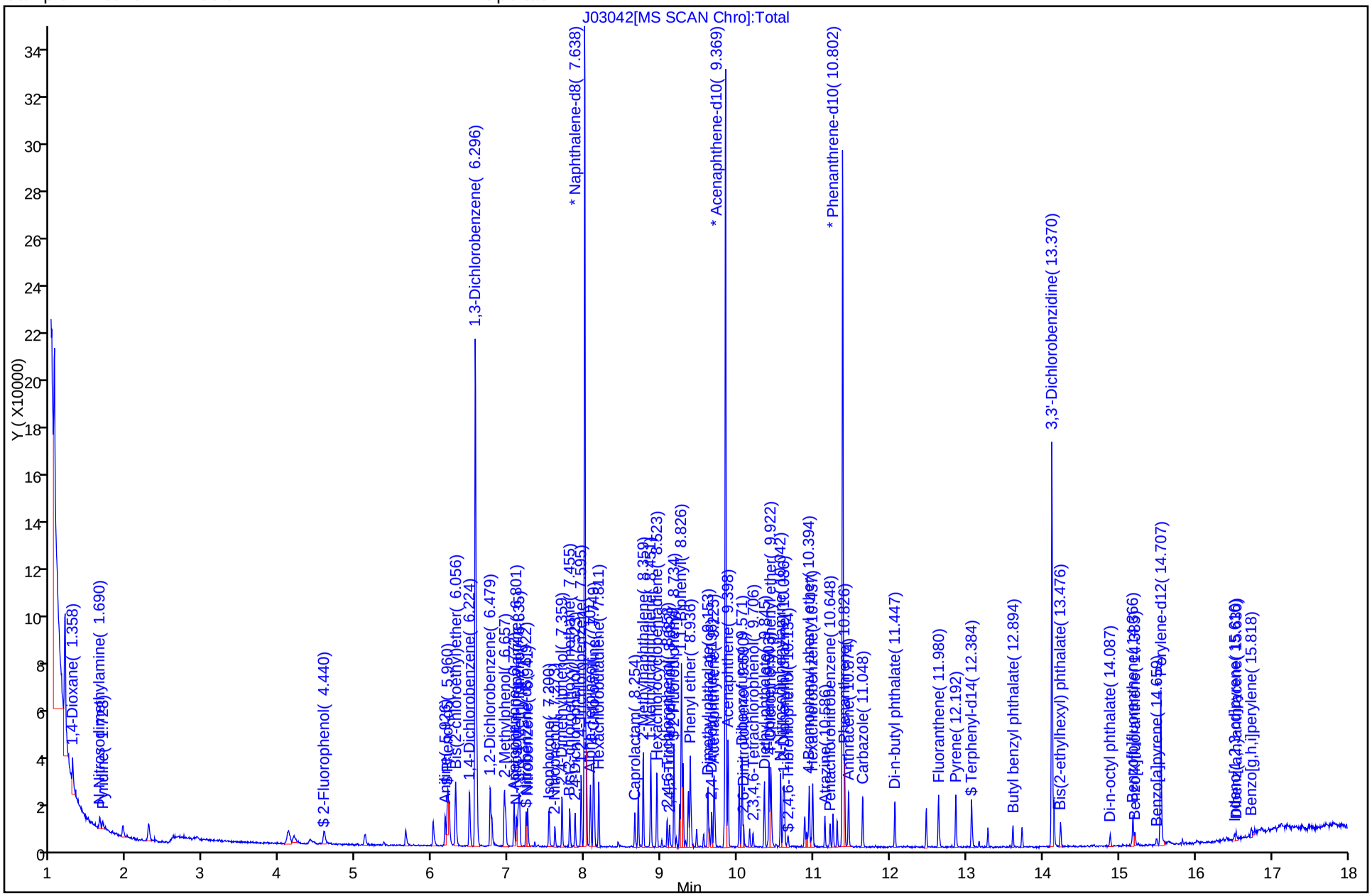
Inj Date: 21-Sep-2009 16:17:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 4

Client ID: Instrument: Inst. J

Sample Info: 0.25PPM

Sample Amount: 1.00 ul Operator:



Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03042.D		
Inj Date:	21-Sep-2009 16:17:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	0.25PPM		
Sample Amount:	1.00 ul	Operator:	

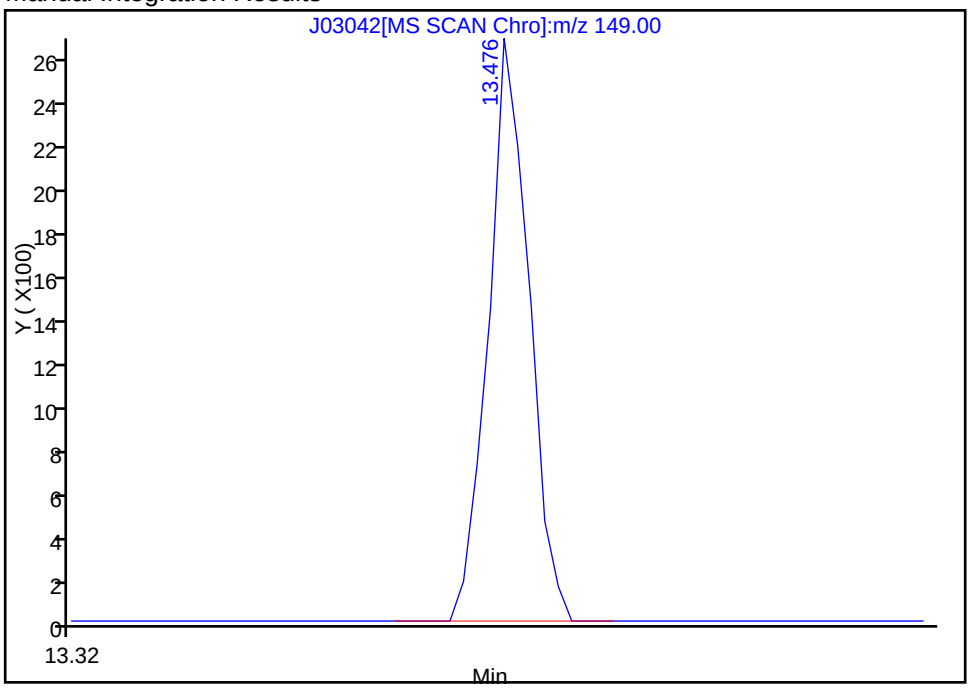
92 Bis(2-ethylhexyl) phthalate, Number: 1, m/z: 149 Type: quant, RT: 13.48

Processing Integration Results

Not Detected
Expected RT: 13.48

Manual Integration Results

RT: 13.48
Response: 2677
Amount: 0.248356



Reviewer: sullivanp, 23-Sep-2009 14:24:54
Audit Action: Manually Integrated
Audit Reason: Assign Peak

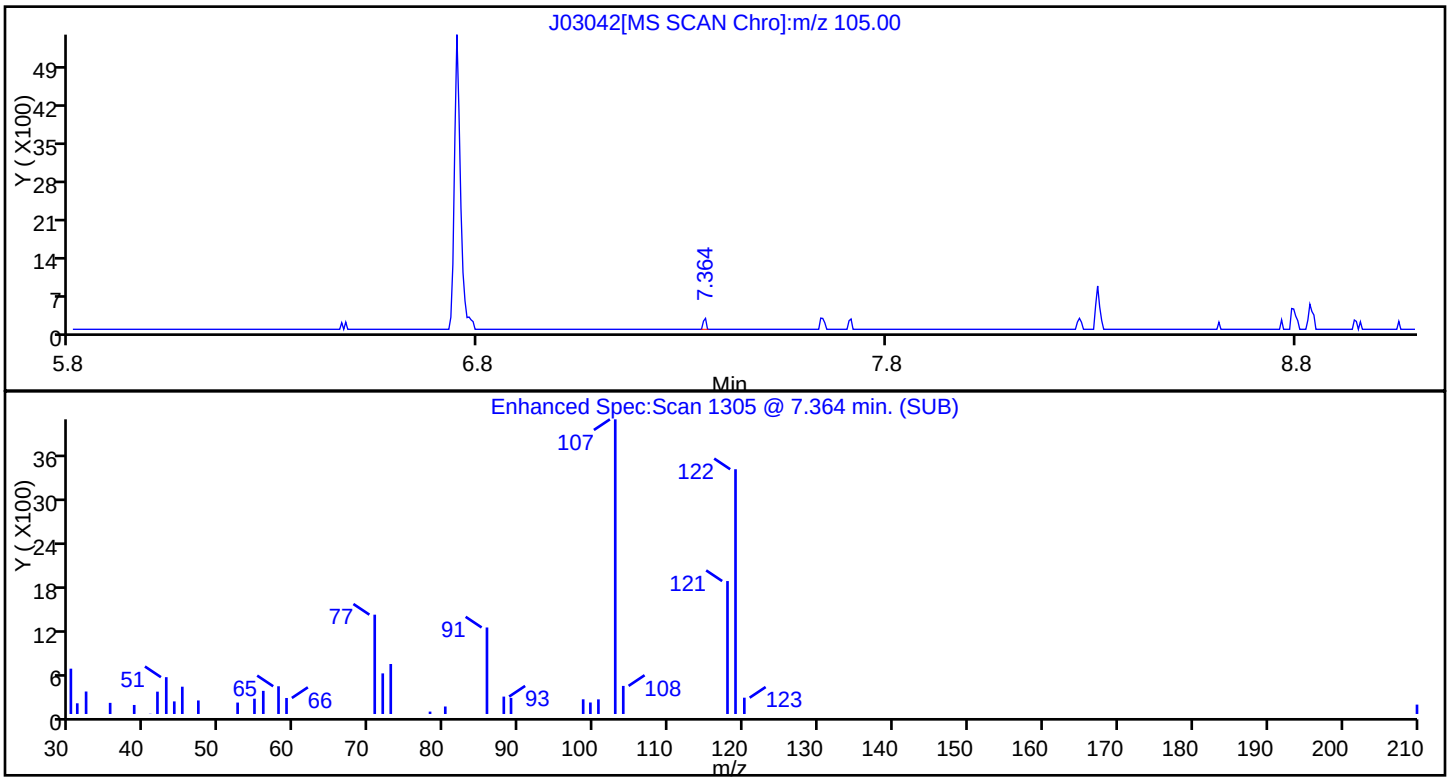
Chrom Revision: 1.1 20-Sep-2009 21:03:36

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03042.D		
Inj Date:	21-Sep-2009 16:17:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	0.25PPM		
Sample Amount:	1.00 ul	Operator:	

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
7.36	105.00	102	2.077647
7.36	122.00	3195	
7.36	77.00	1481	

Reviewer: sullivanp, 23-Sep-2009 14:24:54
Audit Action: Marked Compound Undetected
Audit Reason:

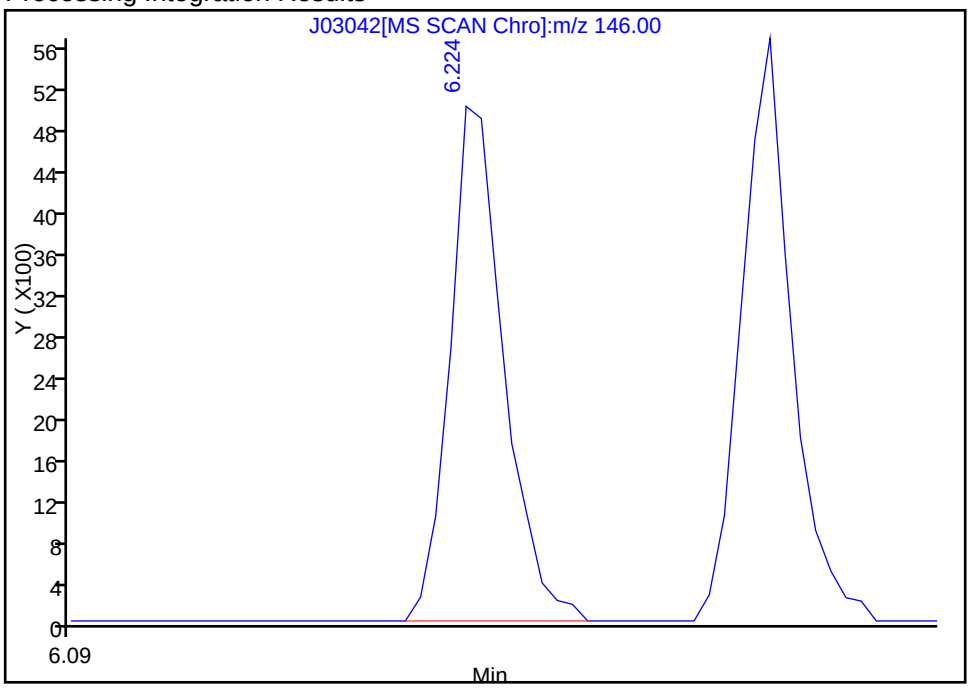
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03042.D		
Inj Date:	21-Sep-2009 16:17:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	0.25PPM		
Sample Amount:	1.00 ul	Operator:	

23 1,3-Dichlorobenzene, Number: 1, m/z: 146 Type: quant, RT: 6.32

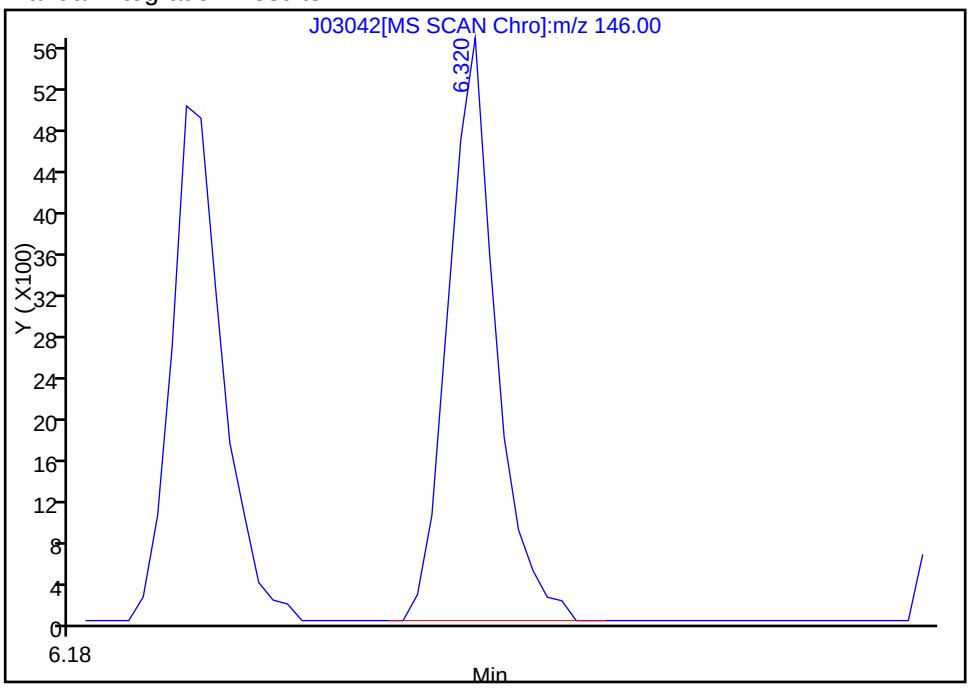
Processing Integration Results

RT: 6.22
Response: 5959
Amount: 0.251114



Manual Integration Results

RT: 6.32
Response: 6268
Amount: 0.261862



Reviewer: sullivanp, 23-Sep-2009 14:24:54
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Chrom Revision: 1.1 20-Sep-2009 21:03:36

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03042.D		
Inj Date:	21-Sep-2009 16:17:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	0.25PPM		
Sample Amount:	1.00 ul	Operator:	

102 Benzo[g,h,i]perylene, Number: 1, m/z: 276 Type: quant, RT: 15.82

Processing Integration Results

Not Detected

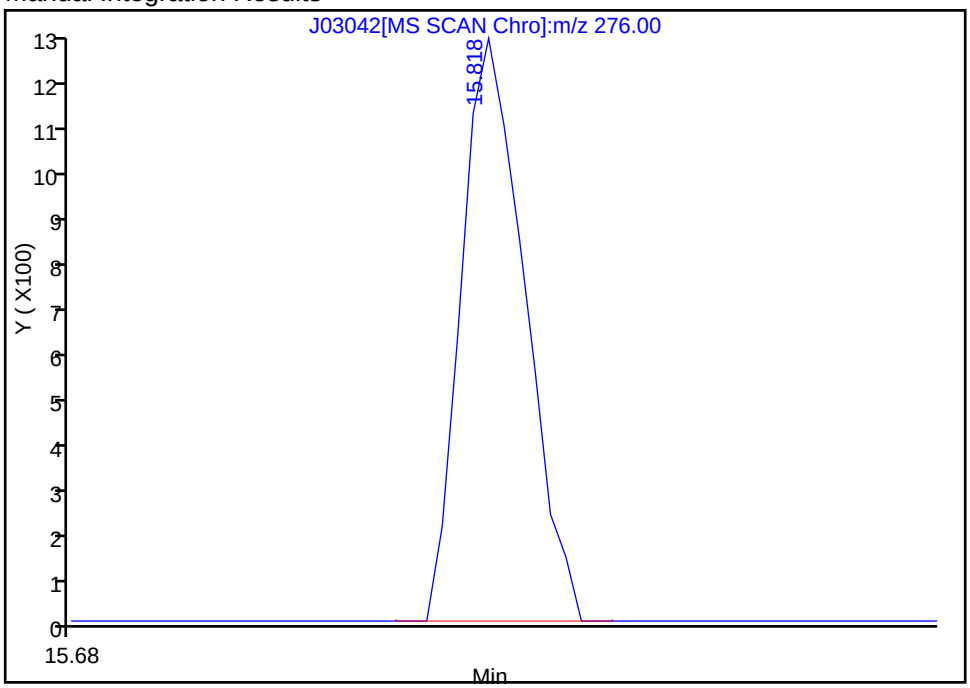
Expected RT: 15.82

Manual Integration Results

RT: 15.82

Response: 1751

Amount: 0.207117



Reviewer: sullivanp, 23-Sep-2009 14:24:54

Audit Action: Manually Integrated

Audit Reason: Assign Peak

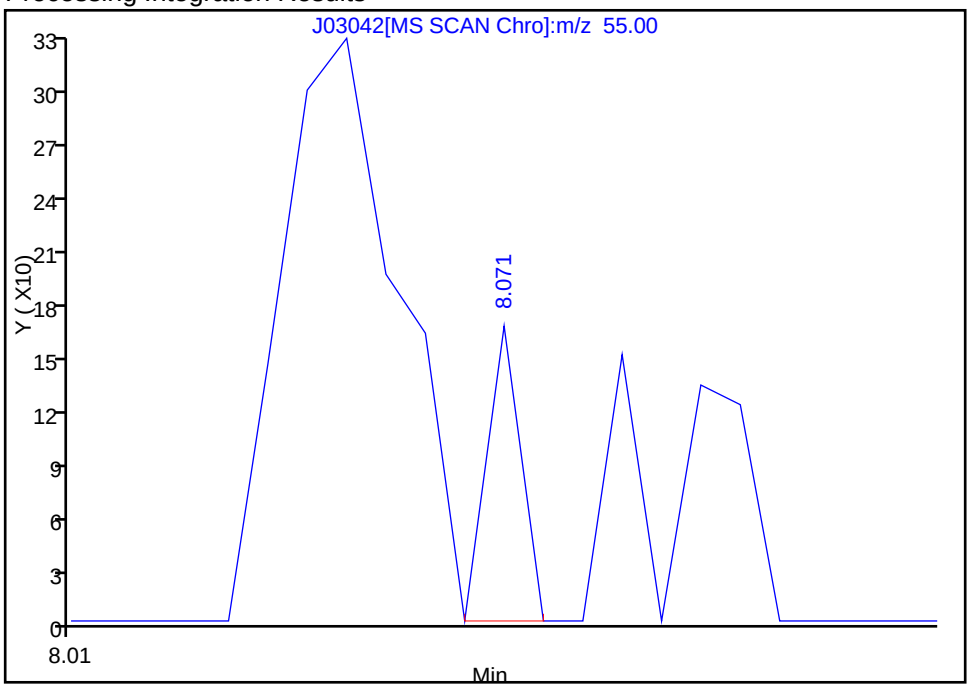
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03042.D		
Inj Date:	21-Sep-2009 16:17:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	0.25PPM		
Sample Amount:	1.00 ul	Operator:	

44 Caprolactam, Number: 1, m/z: 55 Type: quant, RT: 8.05

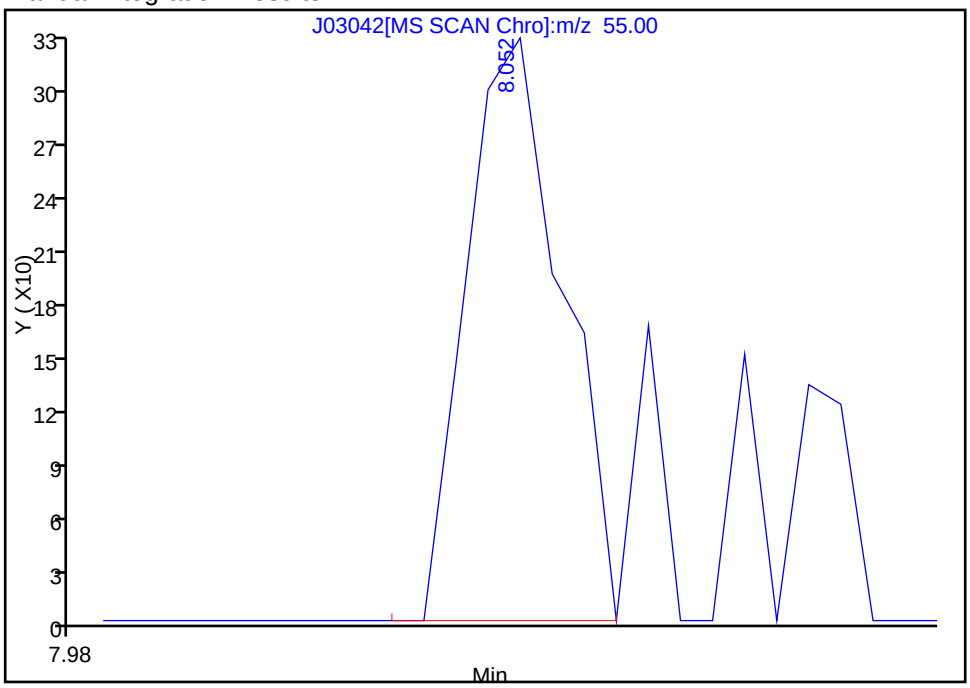
Processing Integration Results

RT: 8.07
Response: 48
Amount: 0.284557



Manual Integration Results

RT: 8.05
Response: 324
Amount: 0.302688



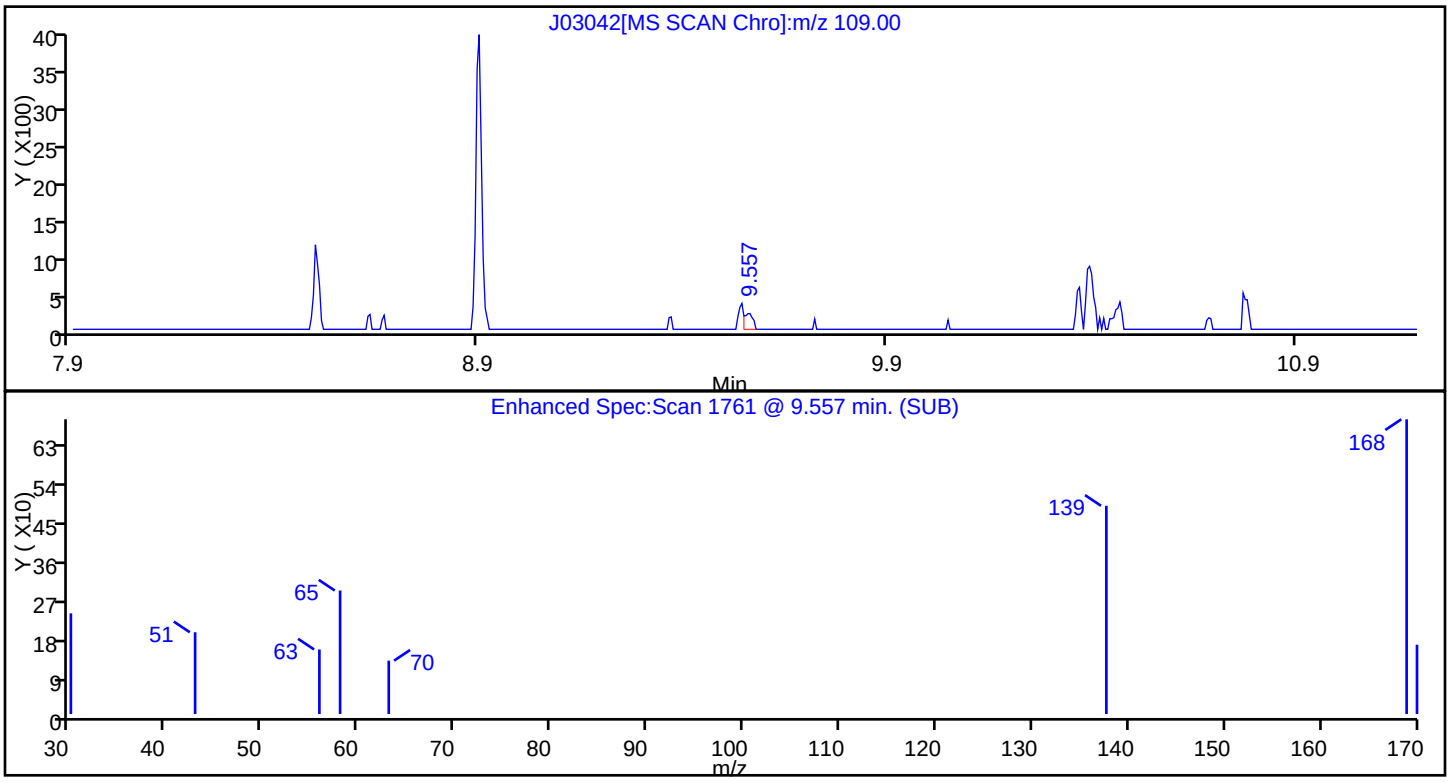
Reviewer: sullivanp, 23-Sep-2009 14:24:54
Audit Action: Manually Integrated
Audit Reason: Assign Peak

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03042.D		
Inj Date:	21-Sep-2009 16:17:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	0.25PPM		
Sample Amount:	1.00 ul	Operator:	

62 4-Nitrophenol

Processing Results



RT	Mass	Response	Amount
9.56	109.00	309	0.388294
9.55	139.00	227	
9.57	64.00	103	

Reviewer: sullivanp, 23-Sep-2009 14:24:54
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03043.D		
Lims ID:	std05	Client ID:	
Inject. Date:	21-Sep-2009 16:44:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	0.5PPM		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	49259	Lims Sample ID:	5
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 14:26:20	Calib Date:	21-Sep-2009 17:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03045.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 14:26:20

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	6.299	6.296	0.003	56827	2.00	
* 2 Naphthalene-d8	136	7.641	7.637	0.004	138686	2.00	
* 3 Acenaphthene-d10	164	9.367	9.369	-0.002	67146	2.00	
* 4 Phenanthrene-d10	188	10.805	10.802	0.003	103447	2.00	
* 5 Chrysene-d12	240	13.373	13.369	0.004	55461	2.00	
* 6 Perylene-d12	264	14.705	14.706	-0.001	29506	2.00	
$ 7 2-Fluorophenol	112	4.438	4.430	0.008	6820	0.4901	
$ 8 Phenol-d5	99	5.962	5.959	0.003	10445	0.4991	
$ 9 Nitrobenzene-d5	82	6.919	6.916	0.003	9699	0.4720	
$ 10 2-Fluorobiphenyl	172	8.737	8.734	0.003	21397	0.4906	
$ 11 2,4,6-Tribromophenol	330	10.137	10.136	0.001	1318	0.4342	
$ 12 Terphenyl-d14	244	12.387	12.386	0.001	12309	0.5159	
14 1,4-Dioxane	88	1.360	1.357	0.003	4600	0.4775	
16 Pyridine	79	1.697	1.670	0.027	5871	0.4225	
15 N-Nitrosodimethylamine	74	1.687	1.674	0.013	4351	0.4960	
19 Aniline	93	5.929	5.921	0.008	12545	0.4859	
18 Phenol	94	5.977	5.978	-0.001	11803	0.5174	
20 Bis(2-chloroethyl)ether	93	6.059	6.050	0.009	9978	0.5107	
21 2-Chlorophenol	128	6.054	6.050	0.004	9324	0.5014	
22 1,4-Dichlorobenzene	146	6.227	6.224	0.003	11707	0.5198	
23 1,3-Dichlorobenzene	146	6.318	6.320	-0.002	12154	0.5142	
25 1,2-Dichlorobenzene	146	6.482	6.478	0.004	11519	0.5112	
24 Benzyl alcohol	79	6.501	6.498	0.003	6031	0.4671	
26 2-Methylphenol	108	6.655	6.652	0.003	7579	0.4799	
27 2,2'-oxybis[1-chloropropane]	45	6.669	6.666	0.003	10340	0.5113	
30 Acetophenone	105	6.770	6.767	0.003	11460	0.4954	
17 Benzaldehyde	105	6.770	6.767	0.003	11460	0.4954	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	6.804	6.796	0.008	6119	0.4972	
28 3 & 4 Methylphenol	108	6.828	6.825	0.003	7810	0.4808	
31 Hexachloroethane	117	6.838	6.839	-0.001	4317	0.5060	
32 Nitrobenzene	77	6.939	6.935	0.004	10280	0.4930	
33 Isophorone	82	7.203	7.200	0.003	14916	0.4460	
34 2-Nitrophenol	139	7.275	7.272	0.003	3275	0.4252	
35 2,4-Dimethylphenol	107	7.362	7.363	-0.001	8651	0.4644	
37 Bis(2-chloroethoxy)methane	93	7.458	7.455	0.003	10831	0.4999	
38 2,4-Dichlorophenol	162	7.521	7.522	-0.001	5524	0.4380	
39 1,2,4-Trichlorobenzene	180	7.597	7.594	0.003	8939	0.4862	
41 Naphthalene	128	7.660	7.661	-0.001	31481	0.4954	
40 Alpha-Terpineol	59	7.708	7.710	-0.002	5592	0.4555	
42 4-Chloroaniline	127	7.747	7.743	0.004	10073	0.4823	
43 Hexachlorobutadiene	225	7.814	7.811	0.004	5017	0.4986	
44 Caprolactam	55	8.050	8.052	-0.002	1102	0.4461	
45 4-Chloro-3-methylphenol	107	8.256	8.253	0.003	6079	0.4357	
46 2-Methylnaphthalene	142	8.357	8.359	-0.002	18990	0.4808	
47 1-Methylnaphthalene	142	8.453	8.450	0.003	19233	0.4956	
48 Hexachlorocyclopentadiene	237	8.521	8.522	-0.001	1933	0.4009	
49 1,2,4,5-Tetrachlorobenzene	216	8.526	8.527	-0.001	7558	0.4999	
50 2,4,6-Trichlorophenol	196	8.651	8.652	-0.001	3177	0.4214	
51 2,4,5-Trichlorophenol	196	8.679	8.684	-0.005	3407	0.4334	
52 1,1'-Biphenyl	154	8.824	8.825	-0.001	22592	0.4930	
53 2-Chloronaphthalene	162	8.829	8.830	-0.001	22908	0.4840	
54 Phenyl ether	170	8.934	8.936	-0.002	12596	0.5146	
68 4-Nitroaniline	138	8.949	8.945	0.004	3414	0.3937	
56 Dimethyl phthalate	163	9.151	9.152	-0.001	19779	0.5000	
63 2,4-Dinitrotoluene	165	9.199	9.200	-0.001	3496	0.4564	
58 Acenaphthylene	152	9.228	9.224	0.004	25289	0.4863	
61 Acenaphthene	153	9.401	9.397	0.004	17814	0.4775	
62 4-Nitrophenol	109	9.535	9.535	0.000	1297	0.5127	M
64 Dibenzofuran	168	9.569	9.571	-0.002	24343	0.4866	
57 2,6-Dinitrotoluene	165	9.588	9.590	-0.002	3008	0.3911	
65 2,3,4,6-Tetrachlorophenol	232	9.704	9.700	0.004	2252	0.4222	
66 Diethyl phthalate	149	9.843	9.845	-0.002	18635	0.4713	
69 Fluorene	166	9.901	9.902	-0.001	18435	0.4844	
67 4-Chlorophenyl phenyl ether	204	9.925	9.926	-0.001	9200	0.4920	
59 3-Nitroaniline	138	9.939	9.936	0.003	1917	0.3852	
70 4,6-Dinitro-2-methylphenol	198	9.983	9.979	0.004	450	0.5626	
72 N-Nitrosodiphenylamine	169	10.040	10.042	-0.002	14486	0.4832	
71 Diphenylamine	169	10.040	10.042	-0.002	14486	0.4832	
74 Azobenzene	77	10.074	10.075	-0.001	29110	0.4621	
73 1,2-Diphenylhydrazine	77	10.074	10.075	-0.001	29110	0.4621	
13 Benzophenone	105	10.088	10.090	-0.002	17313	0.4642	
75 4-Bromophenyl phenyl ether	248	10.396	10.393	0.003	4618	0.4804	
55 2-Nitroaniline	65	10.391	10.393	-0.002	890	0.5417	
76 Hexachlorobenzene	284	10.435	10.436	-0.001	5351	0.4902	
77 Atrazine	200	10.589	10.590	-0.001	3134	0.4031	
78 Pentachlorophenol	266	10.641	10.638	0.003	343	0.5755	
79 Pentachloronitrobenzene	237	10.651	10.648	0.003	1423	0.4132	
80 Phenanthrene	178	10.824	10.826	-0.002	25312	0.4763	
81 Anthracene	178	10.877	10.874	0.003	19951	0.4663	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.050	11.047	0.003	17219	0.4634	
84 Di-n-butyl phthalate	149	11.445	11.446	-0.001	20800	0.3920	
87 Fluoranthene	202	11.978	11.980	-0.002	17710	0.4510	
85 Pyrene	202	12.195	12.191	0.004	18763	0.4949	
89 Butyl benzyl phthalate	149	12.892	12.893	-0.001	4293	0.3888	
93 Benzo[a]anthracene	228	13.363	13.365	-0.002	8164	0.3822	
91 3,3'-Dichlorobenzidine	252	13.368	13.367	0.001	1285	0.4074	
94 Chrysene	228	13.397	13.394	0.003	12241	0.4542	
92 Bis(2-ethylhexyl) phthalate	149	13.479	13.476	0.003	5852	0.4049	
95 Di-n-octyl phthalate	149	14.089	14.089	0.000	4859	0.3640	
97 Benzo[b]fluoranthene	252	14.368	14.365	0.003	7869	0.4551	
98 Benzo[k]fluoranthene	252	14.388	14.389	-0.001	8604	0.5537	
99 Benzo[a]pyrene	252	14.657	14.653	0.004	3113	0.3908	
100 Indeno[1,2,3-cd]pyrene	276	15.614	15.608	0.006	3107	0.3957	
101 Dibenz(a,h)anthracene	278	15.633	15.632	0.001	2945	0.4099	
102 Benzo[g,h,i]perylene	276	15.821	15.818	0.003	3954	0.4640	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 23-Sep-2009 14:26:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03043.D

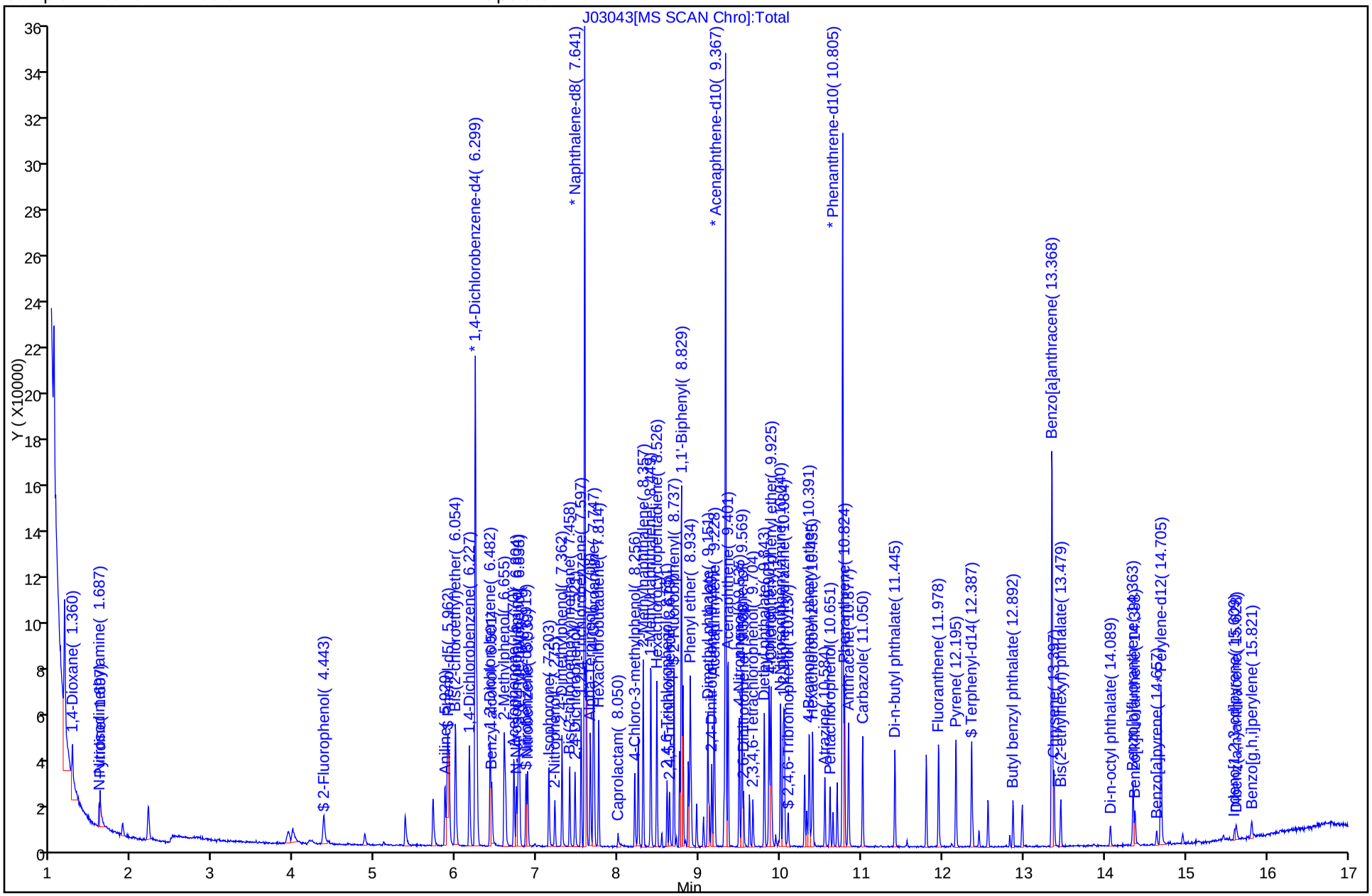
Inj Date: 21-Sep-2009 16:44:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 5

Client ID: Instrument: Inst. J

Sample Info: 0.5PPM

Sample Amount: 1.00 ul Operator:

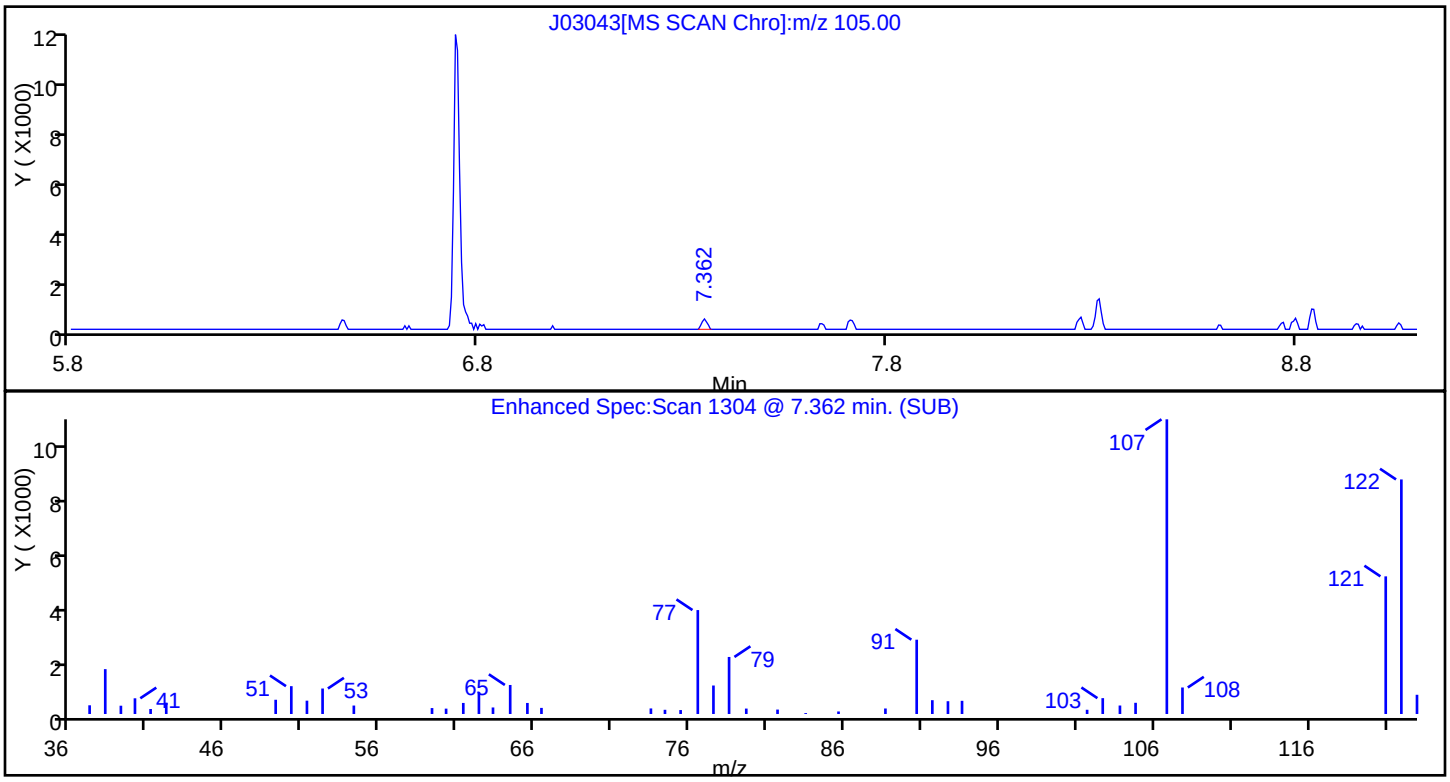


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03043.D		
Inj Date:	21-Sep-2009 16:44:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	5
Client ID:		Instrument:	Inst. J
Sample Info:	0.5PPM		
Sample Amount:	1.00 ul	Operator:	

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
7.36	105.00	365	2.304335
7.36	122.00	7116	
7.36	77.00	2887	

Reviewer: sullivanp, 23-Sep-2009 14:26:20
Audit Action: Marked Compound Undetected
Audit Reason:

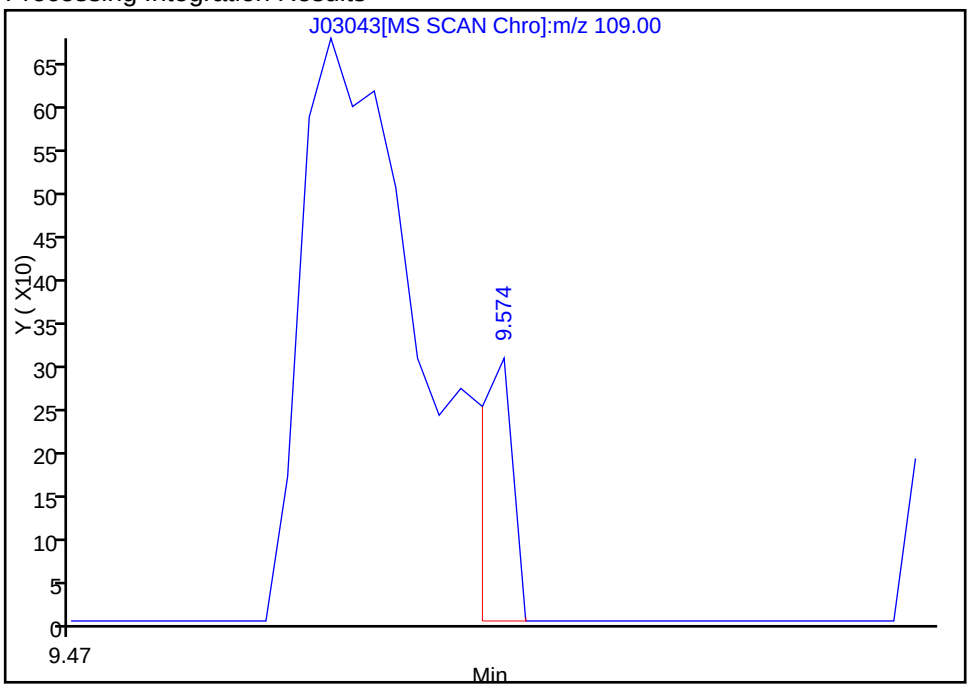
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03043.D		
Inj Date:	21-Sep-2009 16:44:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	5
Client ID:		Instrument:	Inst. J
Sample Info:	0.5PPM		
Sample Amount:	1.00 ul	Operator:	

62 4-Nitrophenol, Number: 1, m/z: 109 Type: quant, RT: 9.54

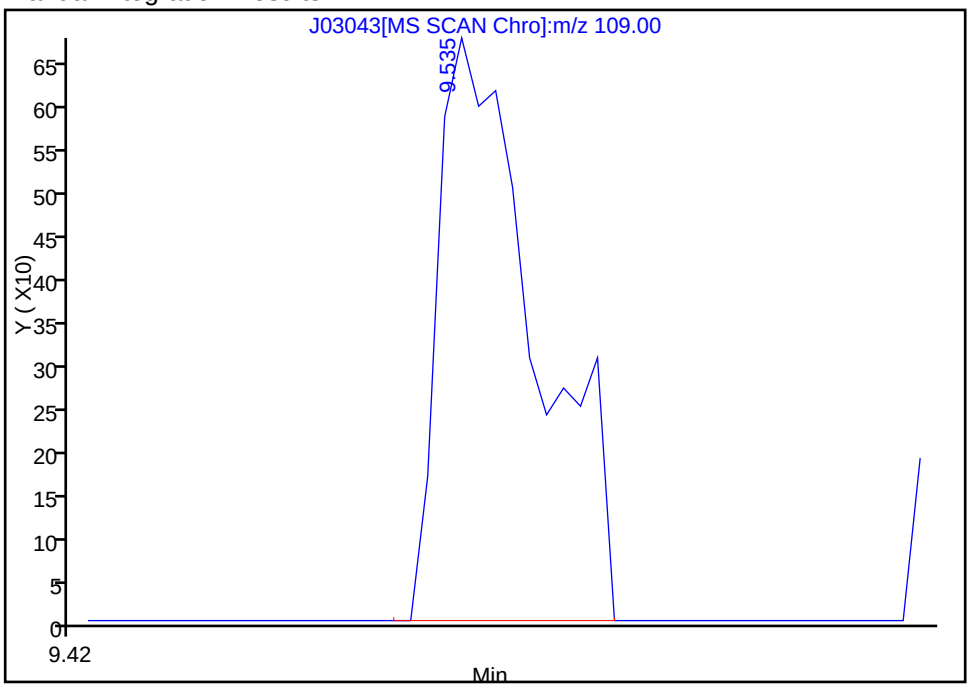
Processing Integration Results

RT: 9.57
Response: 159
Amount: 0.484350



Manual Integration Results

RT: 9.54
Response: 1297
Amount: 0.512742



Reviewer: sullivanp, 23-Sep-2009 14:26:20
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03044.D		
Lims ID:	std1	Client ID:	
Inject. Date:	21-Sep-2009 17:11:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	1 PPM		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	49259	Lims Sample ID:	6
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 14:27:25	Calib Date:	21-Sep-2009 17:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03045.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 14:27:25

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	6.300	6.296	0.004	66597	2.00	
* 2 Naphthalene-d8	136	7.641	7.637	0.004	159099	2.00	
* 3 Acenaphthene-d10	164	9.368	9.369	-0.001	75131	2.00	
* 4 Phenanthrene-d10	188	10.806	10.802	0.004	116765	2.00	
* 5 Chrysene-d12	240	13.373	13.369	0.004	75404	2.00	
* 6 Perylene-d12	264	14.705	14.706	-0.001	44664	2.00	
$ 7 2-Fluorophenol	112	4.443	4.430	0.013	17026	0.9896	
$ 8 Phenol-d5	99	5.963	5.959	0.004	26238	1.07	
$ 9 Nitrobenzene-d5	82	6.920	6.916	0.004	24430	1.04	
$ 10 2-Fluorobiphenyl	172	8.738	8.734	0.004	48603	1.00	
$ 11 2,4,6-Tribromophenol	330	10.137	10.136	0.001	3748	0.8853	
$ 12 Terphenyl-d14	244	12.388	12.386	0.002	30323	0.9347	
14 1,4-Dioxane	88	1.366	1.357	0.009	9688	1.09	
16 Pyridine	79	1.688	1.670	0.018	23456	1.02	
15 N-Nitrosodimethylamine	74	1.688	1.674	0.014	11793	1.15	
19 Aniline	93	5.925	5.921	0.004	30859	1.02	
18 Phenol	94	5.977	5.978	-0.001	29217	1.09	
20 Bis(2-chloroethyl)ether	93	6.059	6.050	0.009	23994	1.05	
21 2-Chlorophenol	128	6.054	6.050	0.004	22715	1.04	
22 1,4-Dichlorobenzene	146	6.228	6.224	0.004	27383	1.04	
23 1,3-Dichlorobenzene	146	6.319	6.320	-0.001	27675	1.00	
25 1,2-Dichlorobenzene	146	6.482	6.478	0.004	25803	0.9771	
24 Benzyl alcohol	79	6.502	6.498	0.004	15581	1.03	
26 2-Methylphenol	108	6.656	6.652	0.004	19444	1.05	
27 2,2'-oxybis[1-chloropropane]	45	6.665	6.666	-0.001	23954	1.01	
30 Acetophenone	105	6.771	6.767	0.004	29516	1.09	
17 Benzaldehyde	105	6.771	6.767	0.004	29516	1.09	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	6.800	6.796	0.004	15295	1.06	
28 3 & 4 Methylphenol	108	6.824	6.825	-0.001	20293	1.07	
31 Hexachloroethane	117	6.838	6.839	-0.001	10376	1.04	
32 Nitrobenzene	77	6.939	6.935	0.004	25120	1.05	
33 Isophorone	82	7.199	7.200	-0.001	39491	0.9628	
34 2-Nitrophenol	139	7.276	7.272	0.004	8979	0.9039	
35 2,4-Dimethylphenol	107	7.362	7.363	-0.001	22899	1.07	
36 Benzoic acid	105	7.468	7.455	0.013	43	2.16	
37 Bis(2-chloroethoxy)methane	93	7.459	7.455	0.004	26001	1.05	
38 2,4-Dichlorophenol	162	7.521	7.522	-0.001	14796	0.9517	
39 1,2,4-Trichlorobenzene	180	7.598	7.594	0.004	21019	1.00	
41 Naphthalene	128	7.661	7.661	0.000	73016	1.00	
40 Alpha-Terpineol	59	7.709	7.710	-0.001	14560	0.9866	
42 4-Chloroaniline	127	7.747	7.743	0.004	25488	1.06	
43 Hexachlorobutadiene	225	7.814	7.811	0.004	11597	1.00	
44 Caprolactam	55	8.050	8.052	-0.002	3866	0.8593	
45 4-Chloro-3-methylphenol	107	8.252	8.253	-0.001	16145	0.9105	
46 2-Methylnaphthalene	142	8.358	8.359	-0.001	45895	1.01	
47 1-Methylnaphthalene	142	8.449	8.450	-0.001	45878	1.03	
48 Hexachlorocyclopentadiene	237	8.521	8.522	-0.001	5766	0.8920	
49 1,2,4,5-Tetrachlorobenzene	216	8.526	8.527	-0.001	17665	1.02	
50 2,4,6-Trichlorophenol	196	8.651	8.652	-0.001	8897	0.9446	
51 2,4,5-Trichlorophenol	196	8.680	8.684	-0.004	9511	0.9682	
52 1,1'-Biphenyl	154	8.824	8.825	-0.001	52635	1.03	
53 2-Chloronaphthalene	162	8.829	8.830	-0.001	52992	1.00	
54 Phenyl ether	170	8.935	8.936	-0.001	28669	1.02	
68 4-Nitroaniline	138	8.949	8.945	0.004	10040	0.9132	
56 Dimethyl phthalate	163	9.151	9.152	-0.001	47069	1.06	
63 2,4-Dinitrotoluene	165	9.199	9.200	-0.001	9312	0.99	
58 Acenaphthylene	152	9.228	9.224	0.004	62963	1.08	
61 Acenaphthene	153	9.401	9.397	0.004	42288	1.01	
60 2,4-Dinitrophenol	184	9.473	9.465	0.008	398	0.3291	
62 4-Nitrophenol	109	9.541	9.535	0.006	3841	0.9402	
64 Dibenzofuran	168	9.570	9.571	-0.001	56901	1.02	
57 2,6-Dinitrotoluene	165	9.589	9.590	-0.001	10155	0.9492	
65 2,3,4,6-Tetrachlorophenol	232	9.704	9.700	0.004	6812	0.9679	
66 Diethyl phthalate	149	9.844	9.845	-0.001	46021	1.04	
69 Fluorene	166	9.901	9.902	-0.001	43595	1.02	
67 4-Chlorophenyl phenyl ether	204	9.926	9.926	0.000	21326	1.02	
59 3-Nitroaniline	138	9.940	9.936	0.004	6268	0.9203	
70 4,6-Dinitro-2-methylphenol	198	9.983	9.979	0.004	1870	0.8702	
72 N-Nitrosodiphenylamine	169	10.041	10.042	-0.001	35666	1.05	
71 Diphenylamine	169	10.041	10.042	-0.001	35666	1.05	
74 Azobenzene	77	10.075	10.075	0.000	76425	1.03	
73 1,2-Diphenylhydrazine	77	10.075	10.075	0.000	76425	1.03	
13 Benzophenone	105	10.089	10.090	-0.001	44986	1.02	
75 4-Bromophenyl phenyl ether	248	10.397	10.393	0.004	11369	1.05	
55 2-Nitroaniline	65	10.392	10.393	-0.001	1840	1.00	
76 Hexachlorobenzene	284	10.435	10.436	-0.001	12443	1.01	
77 Atrazine	200	10.589	10.590	-0.001	9473	0.9513	
78 Pentachlorophenol	266	10.637	10.638	-0.001	1622	0.8441	
79 Pentachloronitrobenzene	237	10.652	10.648	0.004	4297	0.9510	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	10.825	10.826	-0.001	59987	1.00	
81 Anthracene	178	10.878	10.874	0.004	53233	1.10	
83 Carbazole	167	11.051	11.047	0.004	46035	1.10	
84 Di-n-butyl phthalate	149	11.445	11.446	-0.001	60023	0.9236	
87 Fluoranthene	202	11.979	11.980	-0.001	47737	1.08	
86 Benzidine	184	12.142	12.143	-0.001	4190	1.00	
85 Pyrene	202	12.195	12.191	0.004	49791	0.9660	
89 Butyl benzyl phthalate	149	12.897	12.893	0.004	16890	0.8356	
93 Benzo[a]anthracene	228	13.364	13.365	-0.001	27675	0.9233	
91 3,3'-Dichlorobenzidine	252	13.369	13.367	0.002	5644	0.8116	
94 Chrysene	228	13.397	13.394	0.003	34343	1.01	
92 Bis(2-ethylhexyl) phthalate	149	13.479	13.476	0.003	21017	0.7955	
95 Di-n-octyl phthalate	149	14.090	14.089	0.001	15489	0.6898	
97 Benzo[b]fluoranthene	252	14.364	14.365	-0.001	25552	0.9810	
98 Benzo[k]fluoranthene	252	14.388	14.389	-0.001	27096	1.12	
99 Benzo[a]pyrene	252	14.657	14.653	0.004	12889	0.8793	
100 Indeno[1,2,3-cd]pyrene	276	15.614	15.608	0.006	12959	0.9083	
101 Dibenz(a,h)anthracene	278	15.634	15.632	0.002	11539	0.9499	
102 Benzo[g,h,i]perylene	276	15.821	15.818	0.003	13220	1.02	

Report Date: 23-Sep-2009 14:27:25 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03044.D

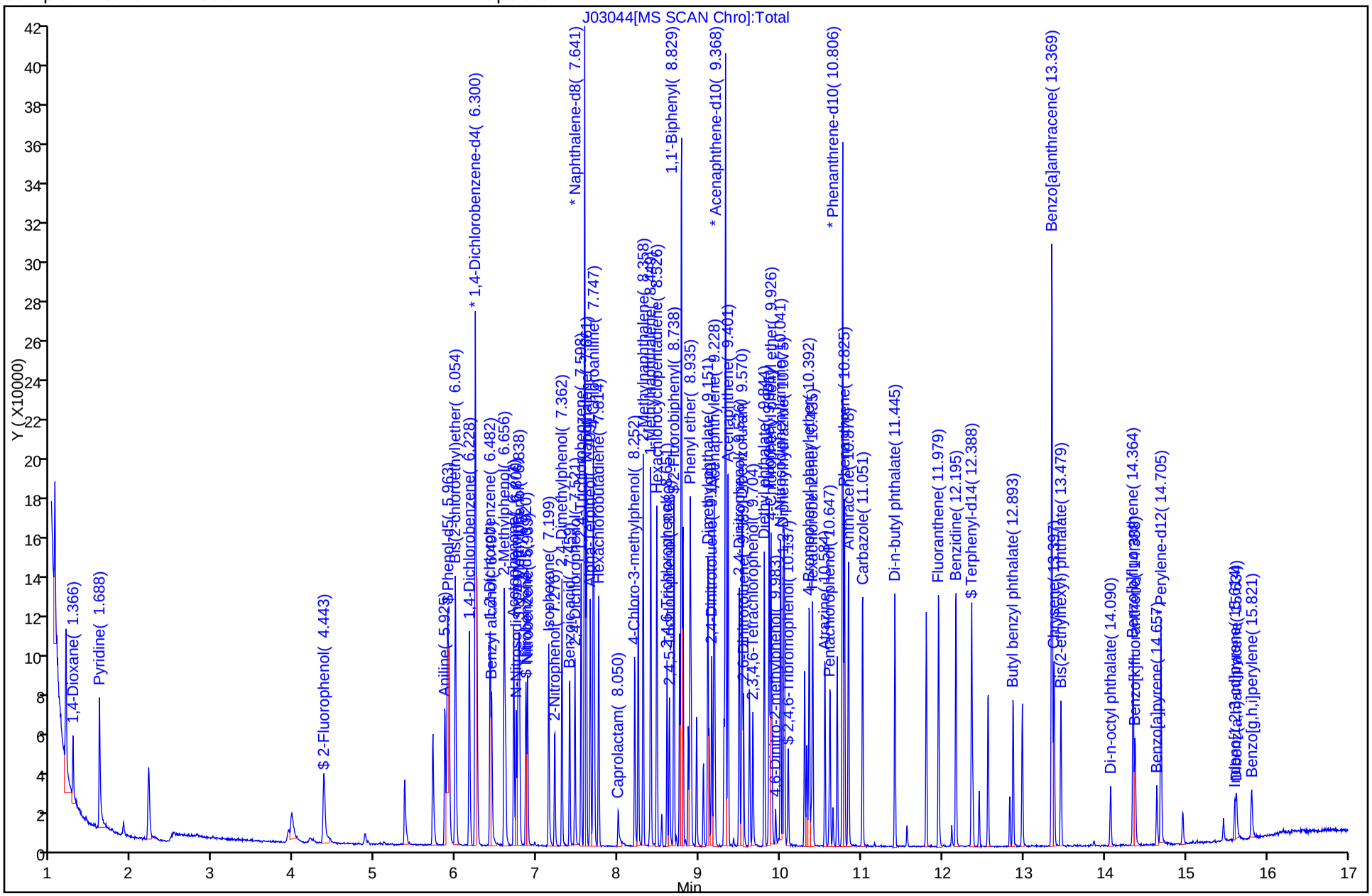
Inj Date: 21-Sep-2009 17:11:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 6

Client ID: Instrument: Inst. J

Sample Info: 1 PPM

Sample Amount: 1.00 ul Operator:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03045.D		
Lims ID:	std2.5	Client ID:	
Inject. Date:	21-Sep-2009 17:39:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	5
Sample ID:	2.5 PPM		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	49259	Lims Sample ID:	7
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 14:34:04	Calib Date:	21-Sep-2009 17:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03045.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 14:34:04

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	6.302	6.296	0.006	67771	2.00	
* 2 Naphthalene-d8	136	7.643	7.637	0.006	151829	2.00	
* 3 Acenaphthene-d10	164	9.370	9.369	0.001	73432	2.00	
* 4 Phenanthrene-d10	188	10.808	10.802	0.006	112723	2.00	
* 5 Chrysene-d12	240	13.371	13.369	0.002	73149	2.00	
* 6 Perylene-d12	264	14.708	14.706	0.002	45843	2.00	
$ 7 2-Fluorophenol	112	4.436	4.430	0.006	47242	2.62	
$ 8 Phenol-d5	99	5.965	5.959	0.006	68131	2.73	
$ 9 Nitrobenzene-d5	82	6.917	6.916	0.001	66083	2.94	
$ 10 2-Fluorobiphenyl	172	8.735	8.734	0.001	123218	2.58	
$ 11 2,4,6-Tribromophenol	330	10.139	10.139	0.000	12086	2.64	
$ 12 Terphenyl-d14	244	12.385	12.385	0.000	81657	2.59	
14 1,4-Dioxane	88	1.363	1.357	0.006	21370	2.69	
16 Pyridine	79	1.681	1.670	0.010	57668	2.51	
15 N-Nitrosodimethylamine	74	1.685	1.674	0.011	28697	2.74	
19 Aniline	93	5.927	5.921	0.006	82743	2.69	
18 Phenol	94	5.980	5.978	0.002	72568	2.67	
20 Bis(2-chloroethyl)ether	93	6.057	6.050	0.006	58630	2.52	
21 2-Chlorophenol	128	6.052	6.050	0.002	59219	2.67	
22 1,4-Dichlorobenzene	146	6.225	6.224	0.001	66990	2.49	
23 1,3-Dichlorobenzene	146	6.321	6.321	0.000	69602	2.47	
25 1,2-Dichlorobenzene	146	6.480	6.478	0.002	64882	2.41	
24 Benzyl alcohol	79	6.499	6.498	0.001	47385	3.08	
26 2-Methylphenol	108	6.653	6.652	0.001	52534	2.79	
27 2,2'-oxybis[1-chloropropane]	45	6.662	6.666	-0.004	59396	2.46	
30 Acetophenone	105	6.768	6.767	0.001	76469	2.77	
17 Benzaldehyde	105	6.768	6.767	0.001	76469	2.77	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	6.802	6.796	0.006	40536	2.76	
28 3 & 4 Methylphenol	108	6.826	6.825	0.001	54678	2.82	
31 Hexachloroethane	117	6.840	6.839	0.001	27126	2.67	
32 Nitrobenzene	77	6.937	6.935	0.002	67252	2.95	
33 Isophorone	82	7.201	7.200	0.001	109379	2.70	
34 2-Nitrophenol	139	7.273	7.272	0.001	26641	2.64	
35 2,4-Dimethylphenol	107	7.360	7.363	-0.003	59513	2.92	
36 Benzoic acid	105	7.475	7.475	0.000	4142	2.50	M
37 Bis(2-chloroethoxy)methane	93	7.456	7.455	0.001	66875	2.82	
38 2,4-Dichlorophenol	162	7.523	7.522	0.001	41709	2.71	
39 1,2,4-Trichlorobenzene	180	7.595	7.594	0.001	52849	2.63	
41 Naphthalene	128	7.663	7.661	0.002	181097	2.60	
40 Alpha-Terpineol	59	7.711	7.710	0.001	39750	2.75	
42 4-Chloroaniline	127	7.744	7.743	0.001	68298	2.99	
43 Hexachlorobutadiene	225	7.812	7.811	0.002	28775	2.61	
44 Caprolactam	55	8.057	8.057	0.000	13830	2.55	
45 4-Chloro-3-methylphenol	107	8.254	8.253	0.001	47634	2.66	
46 2-Methylnaphthalene	142	8.360	8.359	0.001	116645	2.70	
47 1-Methylnaphthalene	142	8.451	8.450	0.001	114811	2.70	
48 Hexachlorocyclopentadiene	237	8.523	8.522	0.001	18021	2.62	
49 1,2,4,5-Tetrachlorobenzene	216	8.528	8.527	0.001	43297	2.62	
50 2,4,6-Trichlorophenol	196	8.653	8.652	0.001	26714	2.75	
51 2,4,5-Trichlorophenol	196	8.682	8.682	0.000	27455	2.71	
52 1,1'-Biphenyl	154	8.826	8.825	0.001	130515	2.60	
53 2-Chloronaphthalene	162	8.831	8.830	0.001	140181	2.71	
54 Phenyl ether	170	8.937	8.936	0.001	69465	2.59	
68 4-Nitroaniline	138	8.947	8.945	0.002	31578	2.77	
56 Dimethyl phthalate	163	9.153	9.152	0.001	121505	2.81	
63 2,4-Dinitrotoluene	165	9.201	9.200	0.001	26368	2.74	
58 Acenaphthylene	152	9.226	9.224	0.002	164157	2.89	
61 Acenaphthene	153	9.399	9.397	0.002	107211	2.63	
60 2,4-Dinitrophenol	184	9.466	9.465	0.001	3154	2.67	
62 4-Nitrophenol	109	9.543	9.543	0.000	12415	2.53	
64 Dibenzofuran	168	9.572	9.571	0.001	143415	2.62	
57 2,6-Dinitrotoluene	165	9.591	9.590	0.001	31372	2.75	
65 2,3,4,6-Tetrachlorophenol	232	9.706	9.700	0.006	20622	2.78	
66 Diethyl phthalate	149	9.846	9.845	0.001	123130	2.85	
69 Fluorene	166	9.904	9.902	0.002	112850	2.71	
67 4-Chlorophenyl phenyl ether	204	9.928	9.926	0.002	53210	2.60	
59 3-Nitroaniline	138	9.937	9.936	0.001	20662	2.85	
70 4,6-Dinitro-2-methylphenol	198	9.980	9.979	0.001	8582	2.46	
72 N-Nitrosodiphenylamine	169	10.043	10.042	0.001	94787	2.90	
71 Diphenylamine	169	10.043	10.042	0.001	94787	2.90	
74 Azobenzene	77	10.077	10.075	0.002	202747	2.76	
73 1,2-Diphenylhydrazine	77	10.077	10.075	0.002	202747	2.76	
13 Benzophenone	105	10.091	10.090	0.001	120716	2.78	
75 4-Bromophenyl phenyl ether	248	10.399	10.393	0.006	28482	2.72	
55 2-Nitroaniline	65	10.394	10.393	0.001	4545	2.53	
76 Hexachlorobenzene	284	10.437	10.436	0.001	30437	2.56	
77 Atrazine	200	10.591	10.590	0.001	27629	2.72	
78 Pentachlorophenol	266	10.639	10.638	0.001	8665	2.44	
79 Pentachloronitrobenzene	237	10.649	10.648	0.001	12283	2.64	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	10.827	10.826	0.001	150314	2.60	
81 Anthracene	178	10.880	10.874	0.006	140510	3.01	
83 Carbazole	167	11.048	11.047	0.001	122917	3.04	
84 Di-n-butyl phthalate	149	11.447	11.446	0.001	177003	2.72	
87 Fluoranthene	202	11.981	11.980	0.001	128760	3.01	
86 Benzidine	184	12.144	12.143	0.001	19451	2.55	
85 Pyrene	202	12.193	12.191	0.002	135772	2.72	
89 Butyl benzyl phthalate	149	12.895	12.893	0.002	61633	2.72	
93 Benzo[a]anthracene	228	13.366	13.365	0.001	79867	2.71	
91 3,3'-Dichlorobenzidine	252	13.371	13.371	0.000	21658	2.54	
94 Chrysene	228	13.395	13.394	0.001	87879	2.76	
92 Bis(2-ethylhexyl) phthalate	149	13.481	13.481	0.000	81015	2.66	
95 Di-n-octyl phthalate	149	14.092	14.092	0.000	77823	2.47	
97 Benzo[b]fluoranthene	252	14.366	14.365	0.001	78880	2.86	
98 Benzo[k]fluoranthene	252	14.390	14.389	0.001	73114	2.86	
99 Benzo[a]pyrene	252	14.659	14.653	0.006	46336	2.63	
100 Indeno[1,2,3-cd]pyrene	276	15.616	15.616	0.000	43799	2.63	
101 Dibenz(a,h)anthracene	278	15.631	15.631	0.000	36701	2.70	
102 Benzo[g,h,i]perylene	276	15.818	15.818	0.000	40891	2.96	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 23-Sep-2009 14:34:05 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03045.D

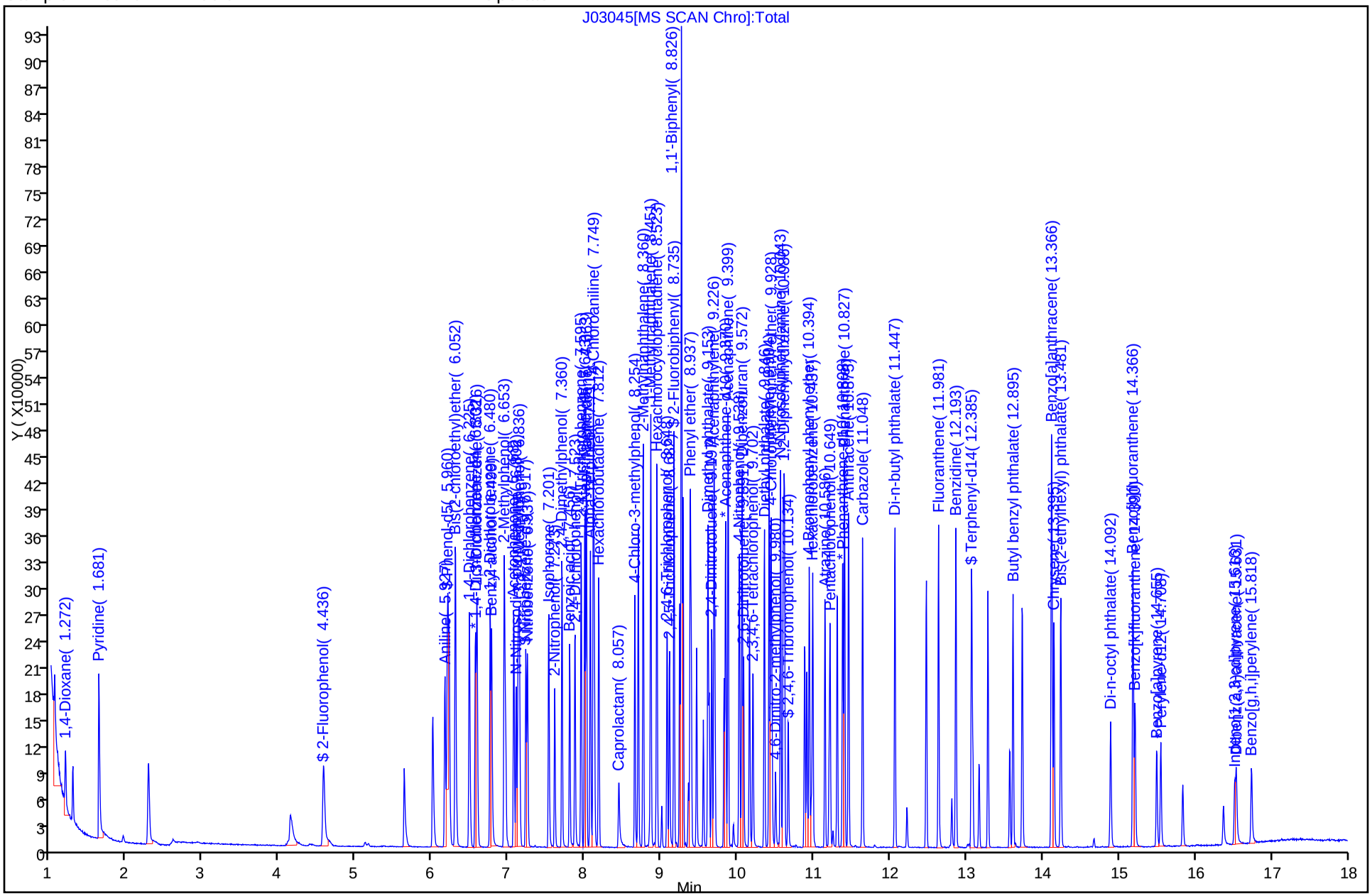
Inj Date: 21-Sep-2009 17:39:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 7

Client ID: Instrument: Inst. J

Sample Info: 2.5 PPM

Sample Amount: 1.00 ul Operator:



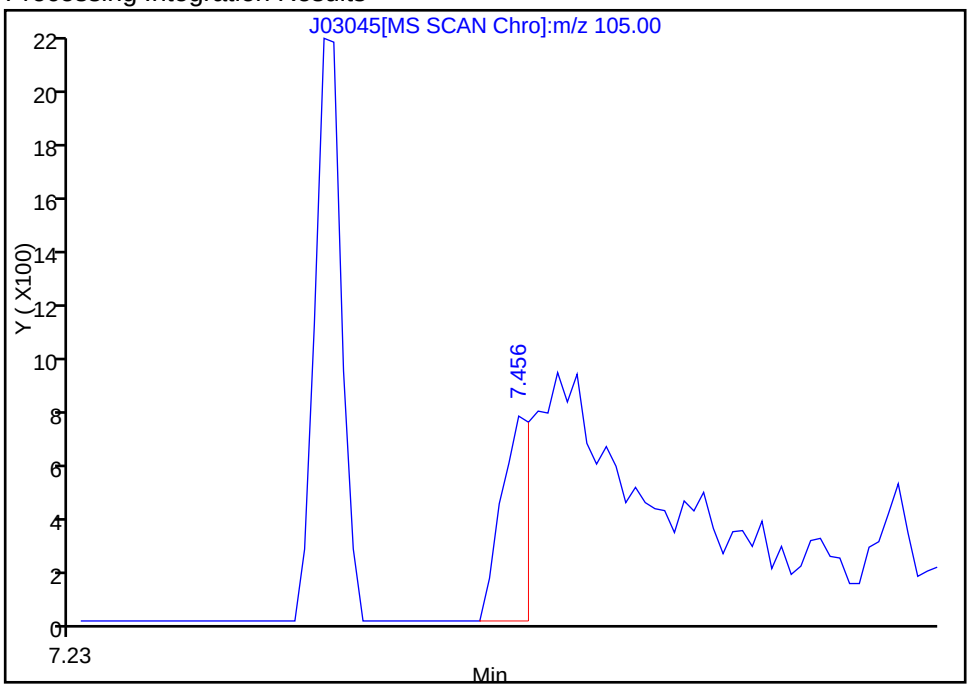
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03045.D		
Inj Date:	21-Sep-2009 17:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	7
Client ID:		Instrument:	Inst. J
Sample Info:	2.5 PPM		
Sample Amount:	1.00 ul	Operator:	

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 7.48

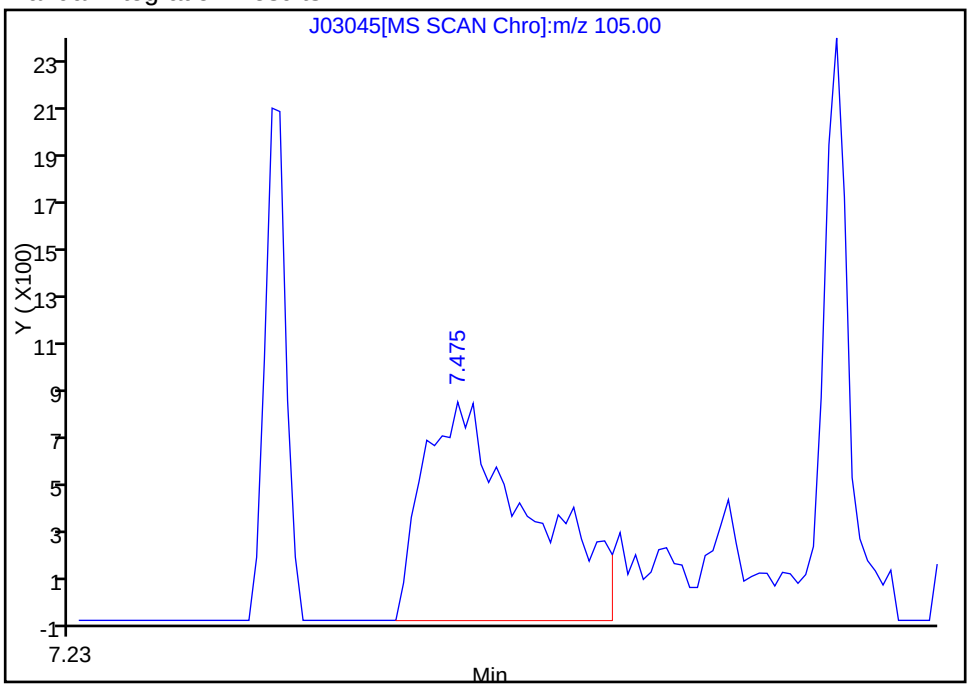
Processing Integration Results

RT: 7.46
Response: 751
Amount: 2.500000



Manual Integration Results

RT: 7.48
Response: 4142
Amount: 2.500000



Reviewer: sullivanp, 23-Sep-2009 14:34:04
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03046.D		
Lims ID:	std8	Client ID:	
Inject. Date:	21-Sep-2009 18:06:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	8 PPM		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	49259	Lims Sample ID:	8
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 14:35:18	Calib Date:	21-Sep-2009 18:06:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03046.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 14:35:18

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	6.303	6.296	0.006	86851	2.00	
* 2 Naphthalene-d8	136	7.644	7.637	0.007	160990	2.00	
* 3 Acenaphthene-d10	164	9.371	9.369	0.002	79736	2.00	
* 4 Phenanthrene-d10	188	10.804	10.802	0.002	121160	2.00	
* 5 Chrysene-d12	240	13.371	13.369	0.002	84846	2.00	
* 6 Perylene-d12	264	14.708	14.706	0.002	51078	2.00	
$ 7 2-Fluorophenol	112	4.441	4.430	0.011	187787	8.01	5
$ 8 Phenol-d5	99	5.966	5.959	0.007	230381	7.31	
$ 9 Nitrobenzene-d5	82	6.918	6.916	0.002	225793	9.22	5
$ 10 2-Fluorobiphenyl	172	8.736	8.734	0.002	405731	7.86	
$ 11 2,4,6-Tribromophenol	330	10.140	10.136	0.004	45627	8.53	5
$ 12 Terphenyl-d14	244	12.386	12.386	0.000	288937	7.93	
14 1,4-Dioxane	88	1.369	1.357	0.012	75964	7.98	
16 Pyridine	79	1.681	1.670	0.011	174207	8.17	5
15 N-Nitrosodimethylamine	74	1.691	1.674	0.017	98811	7.45	
19 Aniline	93	5.927	5.921	0.006	282324	7.26	
18 Phenol	94	5.980	5.978	0.002	246094	7.18	
20 Bis(2-chloroethyl)ether	93	6.057	6.050	0.007	194655	6.70	5
21 2-Chlorophenol	128	6.052	6.050	0.002	200669	7.18	
22 1,4-Dichlorobenzene	146	6.226	6.224	0.002	220778	6.60	
23 1,3-Dichlorobenzene	146	6.322	6.320	0.002	226438	6.47	
25 1,2-Dichlorobenzene	146	6.480	6.478	0.002	208224	6.26	
24 Benzyl alcohol	79	6.500	6.498	0.002	166371	8.37	5
26 2-Methylphenol	108	6.654	6.652	0.002	178745	7.48	
27 2,2'-oxybis[1-chloropropane]	45	6.668	6.666	0.002	199294	6.63	
30 Acetophenone	105	6.774	6.767	0.007	267423	7.62	
17 Benzaldehyde	105	6.774	6.767	0.007	267423	7.62	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	6.803	6.796	0.007	140238	7.53	
28 3 & 4 Methylphenol	108	6.827	6.825	0.002	186068	7.56	
31 Hexachloroethane	117	6.841	6.839	0.002	91080	7.11	
32 Nitrobenzene	77	6.937	6.935	0.002	224262	9.06	5
33 Isophorone	82	7.202	7.200	0.002	389785	8.44	5
34 2-Nitrophenol	139	7.274	7.272	0.002	97494	8.43	5
35 2,4-Dimethylphenol	107	7.365	7.363	0.002	204002	9.20	5
37 Bis(2-chloroethoxy)methane	93	7.457	7.455	0.002	223409	8.75	5
36 Benzoic acid	105	7.476	7.476	0.000	48914	8.01	5M
38 2,4-Dichlorophenol	162	7.524	7.522	0.002	146540	8.40	5
39 1,2,4-Trichlorobenzene	180	7.601	7.594	0.007	170793	8.00	5
41 Naphthalene	128	7.663	7.661	0.002	587034	7.96	
40 Alpha-Terpineol	59	7.711	7.710	0.001	142921	8.36	5
42 4-Chloroaniline	127	7.745	7.743	0.002	231618	9.30	5
43 Hexachlorobutadiene	225	7.812	7.811	0.002	93374	7.99	
44 Caprolactam	55	8.082	8.052	0.030	60942	8.03	5
45 4-Chloro-3-methylphenol	107	8.260	8.253	0.007	174107	8.46	5
46 2-Methylnaphthalene	142	8.361	8.359	0.002	378895	8.22	5
47 1-Methylnaphthalene	142	8.452	8.450	0.002	369784	8.18	5
48 Hexachlorocyclopentadiene	237	8.524	8.522	0.002	64194	8.17	5
49 1,2,4,5-Tetrachlorobenzene	216	8.529	8.527	0.002	142917	8.12	5
50 2,4,6-Trichlorophenol	196	8.654	8.652	0.002	96043	8.44	5
51 2,4,5-Trichlorophenol	196	8.683	8.684	-0.001	101587	8.49	5
52 1,1'-Biphenyl	154	8.827	8.825	0.002	426919	7.87	
53 2-Chloronaphthalene	162	8.832	8.830	0.002	440513	7.86	
54 Phenyl ether	170	8.938	8.936	0.002	234598	8.22	5
68 4-Nitroaniline	138	8.952	8.945	0.007	117597	8.33	5
56 Dimethyl phthalate	163	9.159	9.152	0.007	405882	8.54	5
63 2,4-Dinitrotoluene	165	9.202	9.200	0.002	91987	8.31	5
58 Acenaphthylene	152	9.231	9.224	0.007	560797	8.91	5
61 Acenaphthene	153	9.404	9.397	0.007	342601	7.77	
60 2,4-Dinitrophenol	184	9.467	9.465	0.002	21310	13.1	5
62 4-Nitrophenol	109	9.544	9.535	0.009	53110	8.73	5
64 Dibenzofuran	168	9.572	9.571	0.001	468263	7.90	
57 2,6-Dinitrotoluene	165	9.592	9.590	0.002	115257	8.51	5
65 2,3,4,6-Tetrachlorophenol	232	9.707	9.700	0.007	76724	8.59	5
66 Diethyl phthalate	149	9.847	9.845	0.002	416520	8.74	5
69 Fluorene	166	9.904	9.902	0.002	379993	8.35	5
67 4-Chlorophenyl phenyl ether	204	9.928	9.926	0.002	174592	7.88	
59 3-Nitroaniline	138	9.943	9.936	0.007	70539	8.33	5
70 4,6-Dinitro-2-methylphenol	198	9.986	9.979	0.007	41999	8.30	5
72 N-Nitrosodiphenylamine	169	10.044	10.042	0.002	318469	8.90	5
71 Diphenylamine	169	10.044	10.042	0.002	318469	8.90	5
74 Azobenzene	77	10.077	10.075	0.002	686721	8.47	5
73 1,2-Diphenylhydrazine	77	10.077	10.075	0.002	686721	8.47	5
13 Benzophenone	105	10.092	10.090	0.002	406734	8.49	5
75 4-Bromophenyl phenyl ether	248	10.400	10.393	0.007	93976	8.30	5
55 2-Nitroaniline	65	10.395	10.393	0.002	15356	7.90	
76 Hexachlorobenzene	284	10.438	10.436	0.002	103874	8.11	5
77 Atrazine	200	10.592	10.590	0.002	98203	8.39	5
78 Pentachlorophenol	266	10.640	10.638	0.002	44326	8.01	5
79 Pentachloronitrobenzene	237	10.650	10.648	0.002	46542	8.49	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	10.828	10.826	0.002	497624	8.00	
81 Anthracene	178	10.876	10.874	0.002	480208	9.32	5
83 Carbazole	167	11.049	11.047	0.002	412744	9.24	5
84 Di-n-butyl phthalate	149	11.448	11.446	0.002	659258	8.59	5
87 Fluoranthene	202	11.982	11.980	0.002	461709	9.69	5
86 Benzidine	184	12.145	12.143	0.002	89493	8.50	5
85 Pyrene	202	12.193	12.191	0.002	480976	8.25	5
89 Butyl benzyl phthalate	149	12.895	12.893	0.002	255119	8.33	5
93 Benzo[a]anthracene	228	13.367	13.365	0.002	314324	8.53	5
91 3,3'-Dichlorobenzidine	252	13.371	13.367	0.004	90093	8.14	5
94 Chrysene	228	13.400	13.394	0.006	311083	8.44	5
92 Bis(2-ethylhexyl) phthalate	149	13.482	13.476	0.006	352461	8.04	5
95 Di-n-octyl phthalate	149	14.093	14.089	0.004	440243	8.04	5
97 Benzo[b]fluoranthene	252	14.367	14.365	0.002	276732	8.86	5
98 Benzo[k]fluoranthene	252	14.391	14.389	0.002	255150	8.80	5
99 Benzo[a]pyrene	252	14.655	14.653	0.002	190737	8.34	5
100 Indeno[1,2,3-cd]pyrene	276	15.612	15.608	0.004	153511	8.10	5
101 Dibenz(a,h)anthracene	278	15.632	15.632	0.000	122692	7.97	
102 Benzo[g,h,i]perylene	276	15.819	15.818	0.001	136339	8.72	5

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 23-Sep-2009 14:35:19 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03046.D

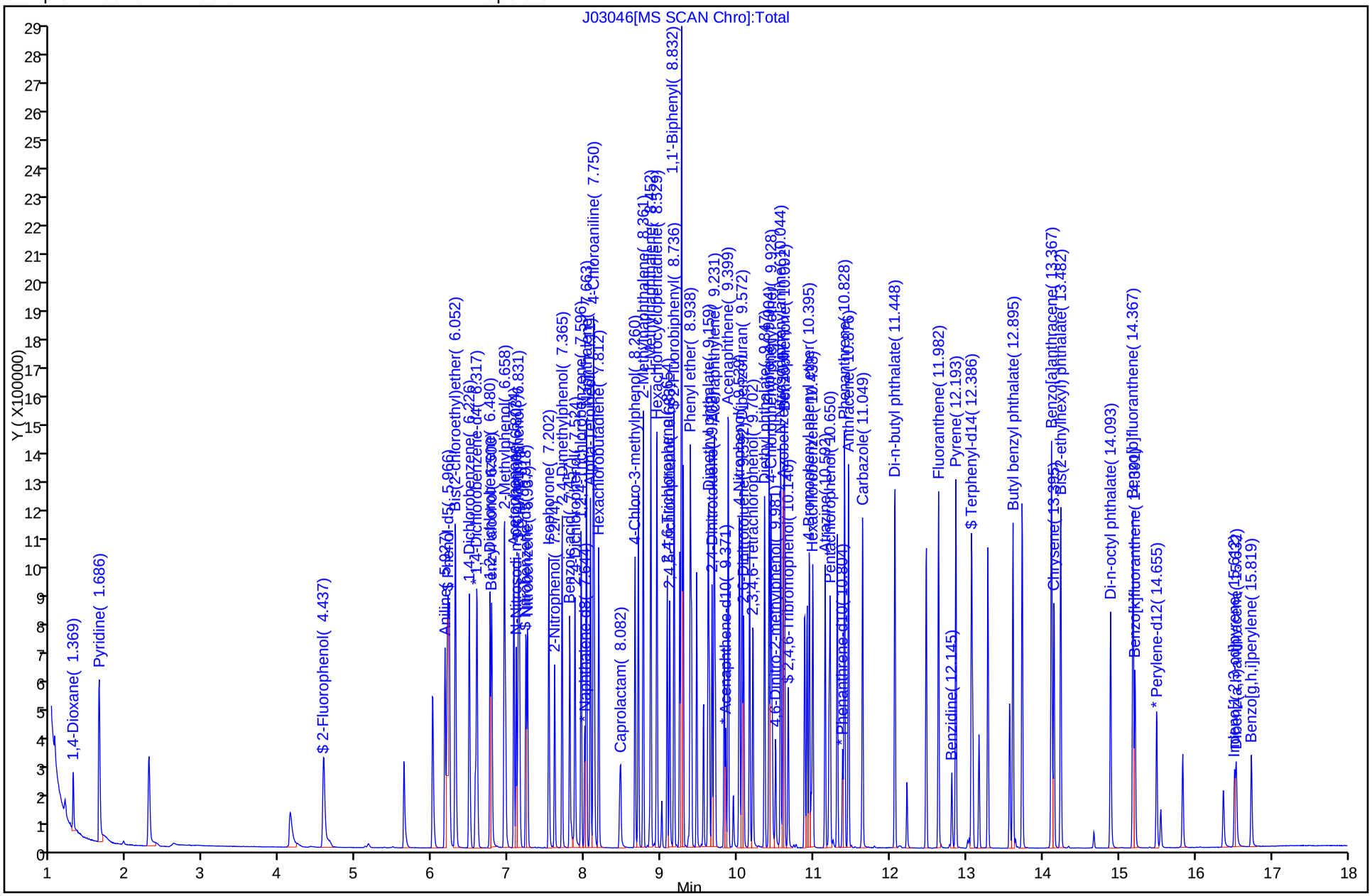
Inj Date: 21-Sep-2009 18:06:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 8

Client ID: Instrument: Inst. J

Sample Info: 8 PPM

Sample Amount: 1.00 ul Operator:



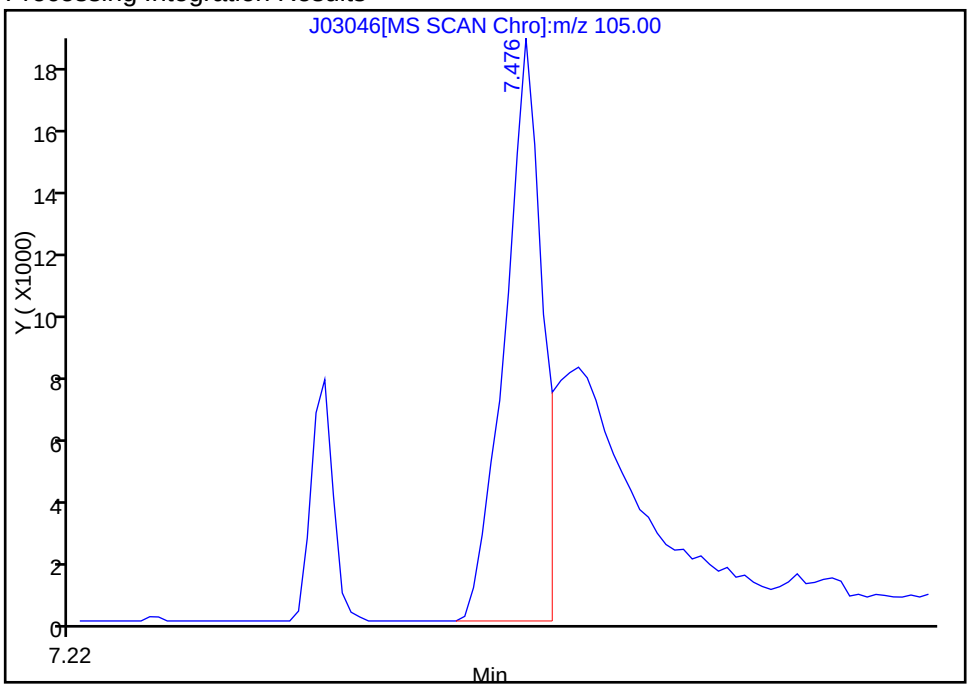
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03046.D		
Inj Date:	21-Sep-2009 18:06:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	8
Client ID:		Instrument:	Inst. J
Sample Info:	8 PPM		
Sample Amount:	1.00 ul	Operator:	

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 7.48

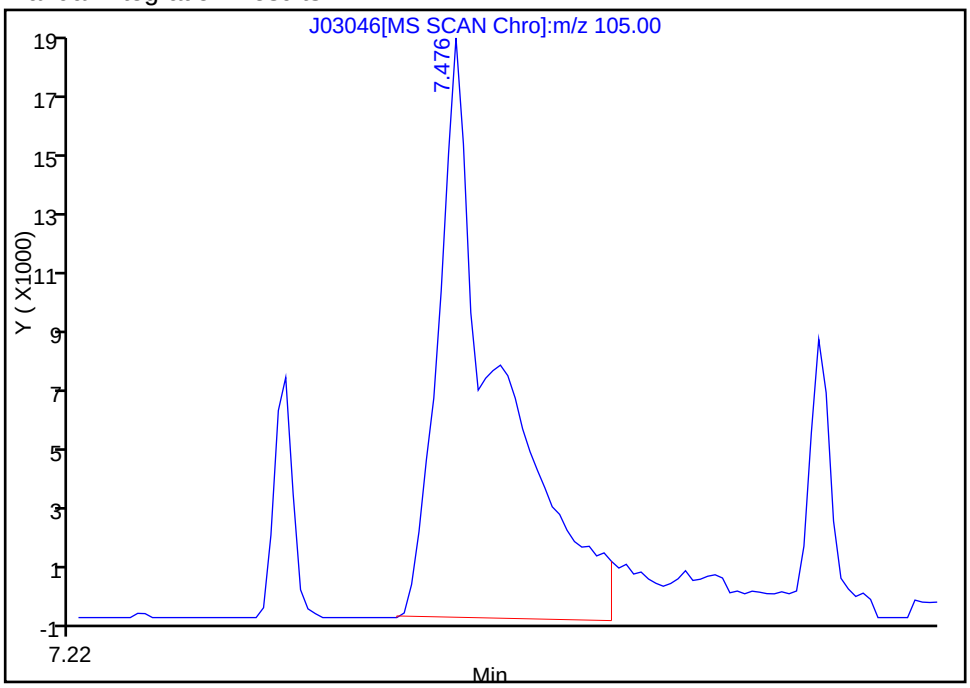
Processing Integration Results

RT: 7.48
Response: 25915
Amount: 7.920483



Manual Integration Results

RT: 7.48
Response: 48914
Amount: 8.012494



Reviewer: sullivanp, 23-Sep-2009 14:35:18
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03047.D		
Lims ID:	std10	Client ID:	
Inject. Date:	21-Sep-2009 18:33:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	8
Sample ID:	10 PPM		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	49259	Lims Sample ID:	9
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 14:37:09	Calib Date:	21-Sep-2009 18:33:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03047.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 14:37:08

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	6.299	6.296	0.003	75806	2.00	
* 2 Naphthalene-d8	136	7.641	7.637	0.004	170952	2.00	
* 3 Acenaphthene-d10	164	9.372	9.369	0.003	86787	2.00	
* 4 Phenanthrene-d10	188	10.805	10.802	0.003	138216	2.00	
* 5 Chrysene-d12	240	13.373	13.369	0.004	92375	2.00	
* 6 Perylene-d12	264	14.710	14.706	0.004	61893	2.00	
$ 7 2-Fluorophenol	112	4.433	4.430	0.003	244896	11.5	5
$ 8 Phenol-d5	99	5.967	5.959	0.008	299176	10.8	5
$ 9 Nitrobenzene-d5	82	6.920	6.916	0.004	289274	11.0	5
$ 10 2-Fluorobiphenyl	172	8.737	8.734	0.003	513489	9.24	
$ 11 2,4,6-Tribromophenol	330	10.142	10.136	0.006	61438	10.0	5
$ 12 Terphenyl-d14	244	12.387	12.386	0.001	378296	9.59	
14 1,4-Dioxane	88	1.361	1.357	0.004	88772	10.5	5
16 Pyridine	79	1.673	1.670	0.003	229364	11.1	5
15 N-Nitrosodimethylamine	74	1.678	1.674	0.004	132388	11.2	5
19 Aniline	93	5.929	5.921	0.008	369657	10.8	5
18 Phenol	94	5.982	5.978	0.004	315986	10.5	5
20 Bis(2-chloroethyl)ether	93	6.054	6.050	0.004	246071	9.73	5
21 2-Chlorophenol	128	6.054	6.050	0.004	256125	10.4	5
22 1,4-Dichlorobenzene	146	6.222	6.224	-0.002	283034	9.73	5
23 1,3-Dichlorobenzene	146	6.319	6.320	-0.001	291644	9.60	
25 1,2-Dichlorobenzene	146	6.482	6.478	0.004	268331	9.34	5
24 Benzyl alcohol	79	6.501	6.498	0.003	222378	11.0	5
26 2-Methylphenol	108	6.655	6.652	0.003	226571	10.8	5
27 2,2'-oxybis[1-chloropropane]	45	6.665	6.666	-0.001	252640	9.68	
30 Acetophenone	105	6.771	6.767	0.004	341572	11.0	5
17 Benzaldehyde	105	6.771	6.767	0.004	341572	11.0	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	6.804	6.796	0.008	186064	11.2	5
28 3 & 4 Methylphenol	108	6.828	6.825	0.003	239960	11.0	5
31 Hexachloroethane	117	6.838	6.839	-0.001	113749	10.2	5
32 Nitrobenzene	77	6.939	6.935	0.004	286632	10.8	5
33 Isophorone	82	7.203	7.200	0.003	503660	10.2	5
34 2-Nitrophenol	139	7.271	7.272	-0.001	134959	10.6	5
35 2,4-Dimethylphenol	107	7.362	7.363	-0.001	263128	11.0	5
37 Bis(2-chloroethoxy)methane	93	7.458	7.455	0.003	284946	10.4	5
36 Benzoic acid	105	7.492	7.476	0.016	94625	10.1	5
38 2,4-Dichlorophenol	162	7.521	7.522	-0.001	189538	10.1	5
39 1,2,4-Trichlorobenzene	180	7.598	7.594	0.004	216370	9.60	
41 Naphthalene	128	7.665	7.661	0.004	737785	9.49	
40 Alpha-Terpineol	59	7.713	7.710	0.003	182701	10.6	5
42 4-Chloroaniline	127	7.747	7.743	0.004	303775	11.3	5
43 Hexachlorobutadiene	225	7.814	7.811	0.004	118486	9.61	
44 Caprolactam	55	8.088	8.052	0.036	81249	10.5	5
45 4-Chloro-3-methylphenol	107	8.261	8.253	0.008	226377	10.2	5
46 2-Methylnaphthalene	142	8.357	8.359	-0.002	488100	9.98	
47 1-Methylnaphthalene	142	8.454	8.450	0.004	472483	9.86	5
48 Hexachlorocyclopentadiene	237	8.526	8.522	0.004	97766	10.8	5
49 1,2,4,5-Tetrachlorobenzene	216	8.531	8.527	0.004	184405	9.89	
50 2,4,6-Trichlorophenol	196	8.656	8.652	0.004	130403	10.3	5
51 2,4,5-Trichlorophenol	196	8.684	8.684	0.000	132067	10.1	5
52 1,1'-Biphenyl	154	8.829	8.825	0.004	544573	9.31	
53 2-Chloronaphthalene	162	8.834	8.830	0.004	588217	9.69	
54 Phenyl ether	170	8.939	8.936	0.003	297042	9.82	
68 4-Nitroaniline	138	8.954	8.945	0.009	156312	10.3	5
56 Dimethyl phthalate	163	9.161	9.152	0.009	520418	10.1	5
63 2,4-Dinitrotoluene	165	9.204	9.200	0.004	120535	10.0	
58 Acenaphthylene	152	9.228	9.224	0.004	719326	10.4	5
61 Acenaphthene	153	9.401	9.397	0.004	451975	9.49	
60 2,4-Dinitrophenol	184	9.463	9.465	-0.002	38047	10.1	5
62 4-Nitrophenol	109	9.545	9.535	0.010	73451	10.7	5
64 Dibenzofuran	168	9.574	9.571	0.003	613316	9.56	
57 2,6-Dinitrotoluene	165	9.593	9.590	0.003	151861	10.2	5
65 2,3,4,6-Tetrachlorophenol	232	9.704	9.700	0.004	103646	10.4	5
66 Diethyl phthalate	149	9.848	9.845	0.003	548164	10.5	5
69 Fluorene	166	9.906	9.902	0.004	493680	9.97	
67 4-Chlorophenyl phenyl ether	204	9.925	9.926	-0.001	228690	9.55	
59 3-Nitroaniline	138	9.944	9.936	0.008	96675	10.3	5
70 4,6-Dinitro-2-methylphenol	198	9.988	9.979	0.009	64827	10.4	5
72 N-Nitrosodiphenylamine	169	10.045	10.042	0.003	416630	10.2	5
71 Diphenylamine	169	10.045	10.042	0.003	416630	10.2	5
74 Azobenzene	77	10.079	10.075	0.004	893657	9.72	
73 1,2-Diphenylhydrazine	77	10.079	10.075	0.004	893657	9.72	
13 Benzophenone	105	10.093	10.090	0.003	528132	9.72	
75 4-Bromophenyl phenyl ether	248	10.396	10.393	0.003	123927	9.64	
55 2-Nitroaniline	65	10.396	10.393	0.003	18862	9.08	
76 Hexachlorobenzene	284	10.440	10.436	0.004	132436	9.17	
77 Atrazine	200	10.594	10.590	0.004	126535	9.66	
78 Pentachlorophenol	266	10.642	10.638	0.004	63623	10.4	5
79 Pentachloronitrobenzene	237	10.651	10.648	0.003	60611	9.80	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	10.829	10.826	0.003	660279	9.38	
81 Anthracene	178	10.877	10.874	0.003	631317	10.6	5
83 Carbazole	167	11.050	11.047	0.003	556129	10.8	5
84 Di-n-butyl phthalate	149	11.445	11.446	-0.001	843641	9.77	
87 Fluoranthene	202	11.983	11.980	0.003	594425	10.8	5
86 Benzidine	184	12.147	12.143	0.004	134203	10.6	5
85 Pyrene	202	12.195	12.191	0.004	617522	9.76	
89 Butyl benzyl phthalate	149	12.892	12.893	-0.001	344693	10.1	5
93 Benzo[a]anthracene	228	13.368	13.365	0.003	421231	10.3	5
91 3,3'-Dichlorobenzidine	252	13.368	13.367	0.001	118686	10.1	5
94 Chrysene	228	13.397	13.394	0.003	396899	9.91	5
92 Bis(2-ethylhexyl) phthalate	149	13.479	13.476	0.003	481314	10.2	5
95 Di-n-octyl phthalate	149	14.090	14.089	0.001	644087	9.75	
97 Benzo[b]fluoranthene	252	14.368	14.365	0.003	385237	10.2	5
98 Benzo[k]fluoranthene	252	14.393	14.389	0.003	354672	10.1	5
99 Benzo[a]pyrene	252	14.657	14.653	0.004	278134	10.3	5
100 Indeno[1,2,3-cd]pyrene	276	15.614	15.608	0.006	261966	10.8	5
101 Dibenz(a,h)anthracene	278	15.633	15.632	0.001	213020	10.8	5
102 Benzo[g,h,i]perylene	276	15.821	15.818	0.003	226226	11.7	5

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 23-Sep-2009 14:37:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03047.D

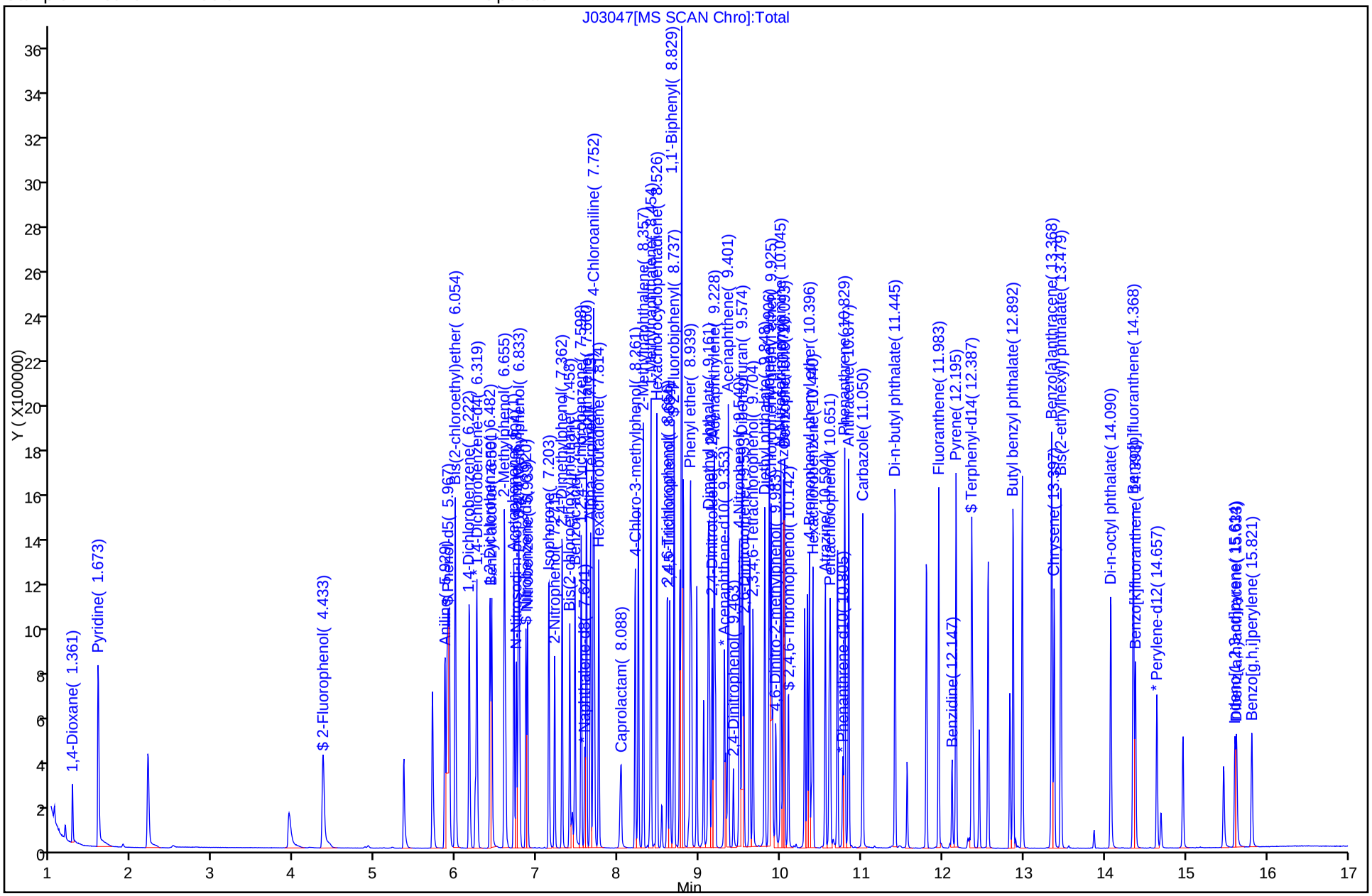
Inj Date: 21-Sep-2009 18:33:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 9

Client ID: Instrument: Inst. J

Sample Info: 10 PPM

Sample Amount: 1.00 ul Operator:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Lims ID:	std20	Client ID:	
Inject. Date:	21-Sep-2009 18:59:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	9
Sample ID:	20 PPM		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	49259	Lims Sample ID:	10
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 14:47:55	Calib Date:	21-Sep-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 14:47:55

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	6.301	6.296	0.005	69157	2.00	
* 2 Naphthalene-d8	136	7.643	7.637	0.006	165456	2.00	
* 3 Acenaphthene-d10	164	9.374	9.369	0.005	83344	2.00	
* 4 Phenanthrene-d10	188	10.807	10.802	0.005	132179	2.00	
* 5 Chrysene-d12	240	13.375	13.369	0.006	93394	2.00	
* 6 Perylene-d12	264	14.707	14.706	0.001	59757	2.00	
$ 7 2-Fluorophenol	112	4.436	4.430	0.006	479585	20.7	5
$ 8 Phenol-d5	99	5.974	5.959	0.015	575018	22.3	5
$ 9 Nitrobenzene-d5	82	6.922	6.916	0.006	555091	21.5	5
$ 10 2-Fluorobiphenyl	172	8.739	8.734	0.005	975811	18.5	
$ 11 2,4,6-Tribromophenol	330	10.144	10.136	0.008	127460	20.9	5
$ 12 Terphenyl-d14	244	12.389	12.386	0.003	753829	19.0	
14 1,4-Dioxane	88	1.363	1.357	0.006	177728	21.7	5
16 Pyridine	79	1.675	1.670	0.005	432799	20.5	5
15 N-Nitrosodimethylamine	74	1.685	1.674	0.011	247987	22.7	5
19 Aniline	93	5.931	5.921	0.010	714143	22.5	5
18 Phenol	94	5.989	5.978	0.011	599001	21.6	5
20 Bis(2-chloroethyl)ether	93	6.061	6.050	0.011	460211	20.0	
21 2-Chlorophenol	128	6.056	6.050	0.006	487610	21.6	5
22 1,4-Dichlorobenzene	146	6.224	6.224	0.000	529718	20.0	5
23 1,3-Dichlorobenzene	146	6.321	6.320	0.001	547853	19.8	
25 1,2-Dichlorobenzene	146	6.479	6.478	0.001	512154	19.6	5
24 Benzyl alcohol	79	6.503	6.498	0.005	437329	20.7	5
26 2-Methylphenol	108	6.657	6.652	0.005	435312	22.3	5
27 2,2'-oxybis[1-chloropropane]	45	6.667	6.666	0.001	493474	20.6	5
30 Acetophenone	105	6.777	6.767	0.010	647450	22.5	5
17 Benzaldehyde	105	6.777	6.767	0.010	647450	22.5	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	6.806	6.796	0.010	356628	23.2	5
28 3 & 4 Methylphenol	108	6.835	6.825	0.010	456559	22.6	5
31 Hexachloroethane	117	6.840	6.839	0.001	215646	21.0	5
32 Nitrobenzene	77	6.941	6.935	0.006	545275	21.1	5
33 Isophorone	82	7.205	7.200	0.005	950821	19.9	
34 2-Nitrophenol	139	7.273	7.272	0.001	263314	20.6	5
35 2,4-Dimethylphenol	107	7.369	7.363	0.006	510718	21.8	5
37 Bis(2-chloroethoxy)methane	93	7.460	7.455	0.005	550094	20.7	5
36 Benzoic acid	105	7.523	7.476	0.047	208881	19.9	
38 2,4-Dichlorophenol	162	7.528	7.522	0.006	372061	20.3	5
39 1,2,4-Trichlorobenzene	180	7.600	7.594	0.006	419247	19.3	
41 Naphthalene	128	7.667	7.661	0.006	1412747	18.9	
40 Alpha-Terpineol	59	7.715	7.710	0.005	352945	21.0	5
42 4-Chloroaniline	127	7.754	7.743	0.011	565430	21.5	5
43 Hexachlorobutadiene	225	7.816	7.811	0.006	233586	19.6	
44 Caprolactam	55	8.114	8.052	0.062	162288	20.7	5
45 4-Chloro-3-methylphenol	107	8.263	8.253	0.010	439743	20.2	5
46 2-Methylnaphthalene	142	8.359	8.359	0.000	920612	19.5	
47 1-Methylnaphthalene	142	8.456	8.450	0.006	892643	19.3	
48 Hexachlorocyclopentadiene	237	8.528	8.522	0.006	200421	21.5	5
49 1,2,4,5-Tetrachlorobenzene	216	8.533	8.527	0.006	360885	20.0	
50 2,4,6-Trichlorophenol	196	8.658	8.652	0.006	255550	20.5	5
51 2,4,5-Trichlorophenol	196	8.691	8.684	0.007	266762	20.6	5
52 1,1'-Biphenyl	154	8.831	8.825	0.006	1028249	18.5	
53 2-Chloronaphthalene	162	8.836	8.830	0.006	1085900	18.8	
54 Phenyl ether	170	8.941	8.936	0.005	569271	19.5	
68 4-Nitroaniline	138	8.956	8.945	0.011	308206	20.6	5
56 Dimethyl phthalate	163	9.163	9.152	0.011	995972	20.0	5
63 2,4-Dinitrotoluene	165	9.211	9.200	0.011	233972	20.1	5
58 Acenaphthylene	152	9.235	9.224	0.011	1368197	20.6	5
61 Acenaphthene	153	9.408	9.397	0.011	864997	19.0	
60 2,4-Dinitrophenol	184	9.470	9.465	0.005	91473	20.0	
62 4-Nitrophenol	109	9.552	9.535	0.017	150808	22.0	5
64 Dibenzofuran	168	9.576	9.571	0.005	1170485	19.1	
57 2,6-Dinitrotoluene	165	9.595	9.590	0.005	300059	20.4	5
65 2,3,4,6-Tetrachlorophenol	232	9.711	9.700	0.011	204703	20.7	5
66 Diethyl phthalate	149	9.855	9.845	0.010	1041640	20.7	5
69 Fluorene	166	9.908	9.902	0.006	949698	20.0	
67 4-Chlorophenyl phenyl ether	204	9.927	9.926	0.001	445396	19.4	
59 3-Nitroaniline	138	9.951	9.936	0.015	203360	21.2	5
70 4,6-Dinitro-2-methylphenol	198	9.990	9.979	0.011	139692	20.5	5
72 N-Nitrosodiphenylamine	169	10.052	10.042	0.010	815760	20.7	5
71 Diphenylamine	169	10.052	10.042	0.010	815760	20.7	5
74 Azobenzene	77	10.081	10.075	0.006	1704539	20.9	5
73 1,2-Diphenylhydrazine	77	10.081	10.075	0.006	1704539	20.9	5
13 Benzophenone	105	10.095	10.090	0.005	1018074	21.1	5
75 4-Bromophenyl phenyl ether	248	10.398	10.393	0.005	245846	20.0	
55 2-Nitroaniline	65	10.398	10.393	0.005	33729	17.3	
76 Hexachlorobenzene	284	10.442	10.436	0.006	261956	19.1	
77 Atrazine	200	10.600	10.590	0.010	255403	20.2	5
78 Pentachlorophenol	266	10.644	10.638	0.006	139243	21.5	5
79 Pentachloronitrobenzene	237	10.658	10.648	0.010	120429	20.1	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	10.831	10.826	0.005	1270870	19.0	
81 Anthracene	178	10.884	10.874	0.010	1247549	21.7	5
83 Carbazole	167	11.052	11.047	0.005	1037262	20.9	5
84 Di-n-butyl phthalate	149	11.447	11.446	0.001	1634442	19.8	
87 Fluoranthene	202	11.985	11.980	0.005	1147988	21.6	5
86 Benzidine	184	12.149	12.143	0.006	332832	20.0	
85 Pyrene	202	12.197	12.191	0.006	1222112	19.2	
89 Butyl benzyl phthalate	149	12.899	12.893	0.006	673892	20.1	5
93 Benzo[a]anthracene	228	13.370	13.365	0.005	857987	20.4	5
91 3,3'-Dichlorobenzidine	252	13.370	13.367	0.003	240609	20.1	5
94 Chrysene	228	13.404	13.394	0.010	801197	19.9	5
92 Bis(2-ethylhexyl) phthalate	149	13.481	13.476	0.005	924610	20.1	5
95 Di-n-octyl phthalate	149	14.092	14.089	0.003	1296013	20.2	5
97 Benzo[b]fluoranthene	252	14.375	14.365	0.010	739297	20.2	5
98 Benzo[k]fluoranthene	252	14.399	14.389	0.010	730053	21.3	5
99 Benzo[a]pyrene	252	14.659	14.653	0.006	563390	20.8	5
100 Indeno[1,2,3-cd]pyrene	276	15.616	15.608	0.008	487351	20.4	5
101 Dibenz(a,h)anthracene	278	15.635	15.632	0.003	402506	20.6	5
102 Benzo[g,h,i]perylene	276	15.823	15.818	0.005	416835	22.0	5

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 23-Sep-2009 14:47:56 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D

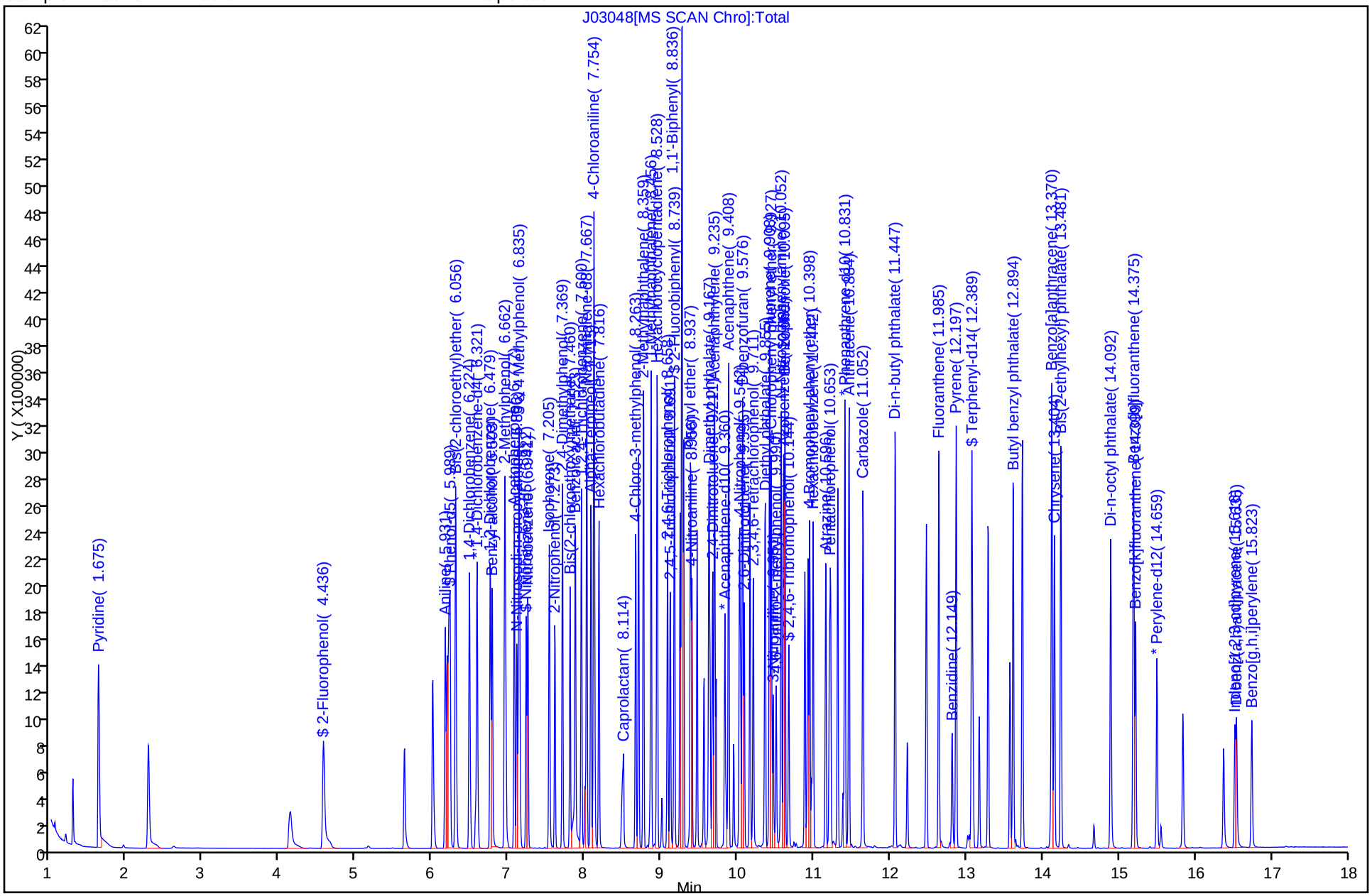
Inj Date: 21-Sep-2009 18:59:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 10

Client ID: Instrument: Inst. J

Sample Info: 20 PPM

Sample Amount: 1.00 ul Operator:

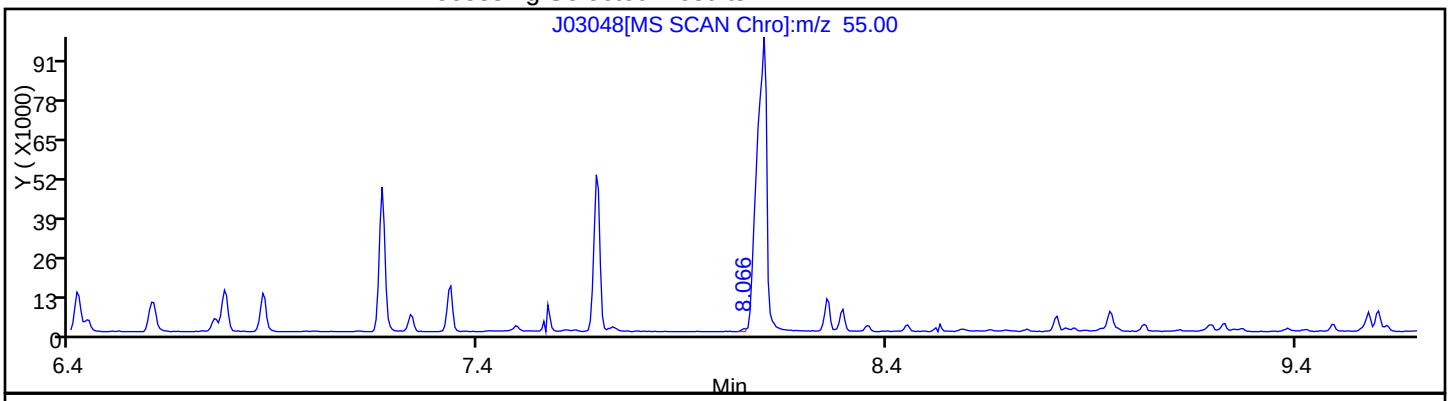


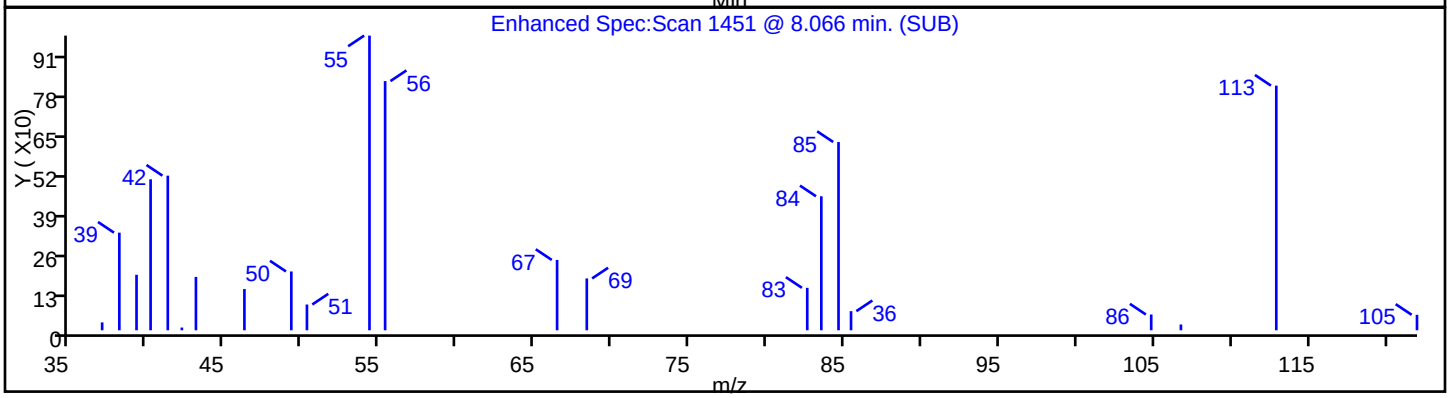
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Inj Date:	21-Sep-2009 18:59:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	10
Client ID:		Instrument:	Inst. J
Sample Info:	20 PPM		
Sample Amount:	1.00 ul	Operator:	

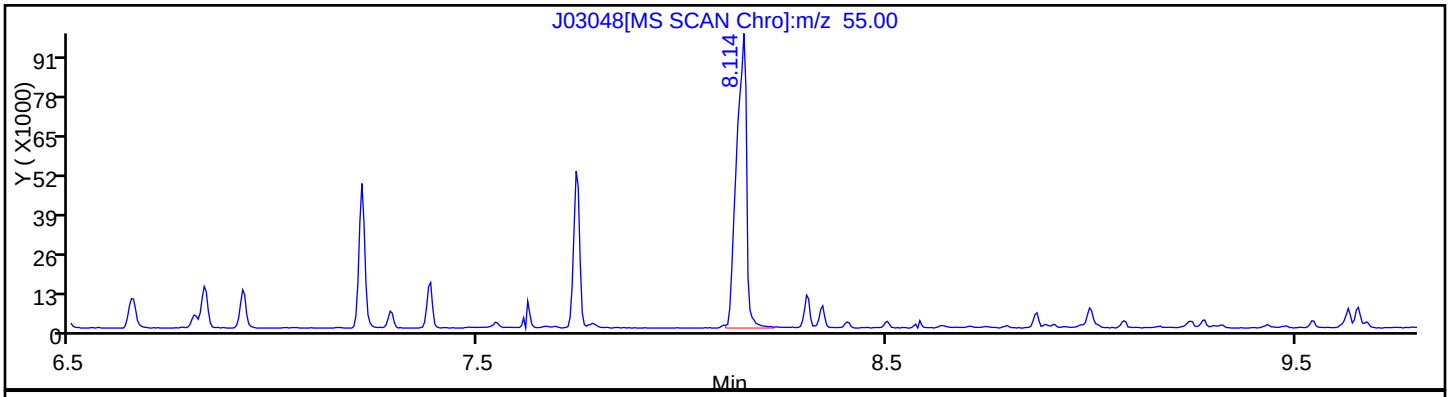
44 Caprolactam

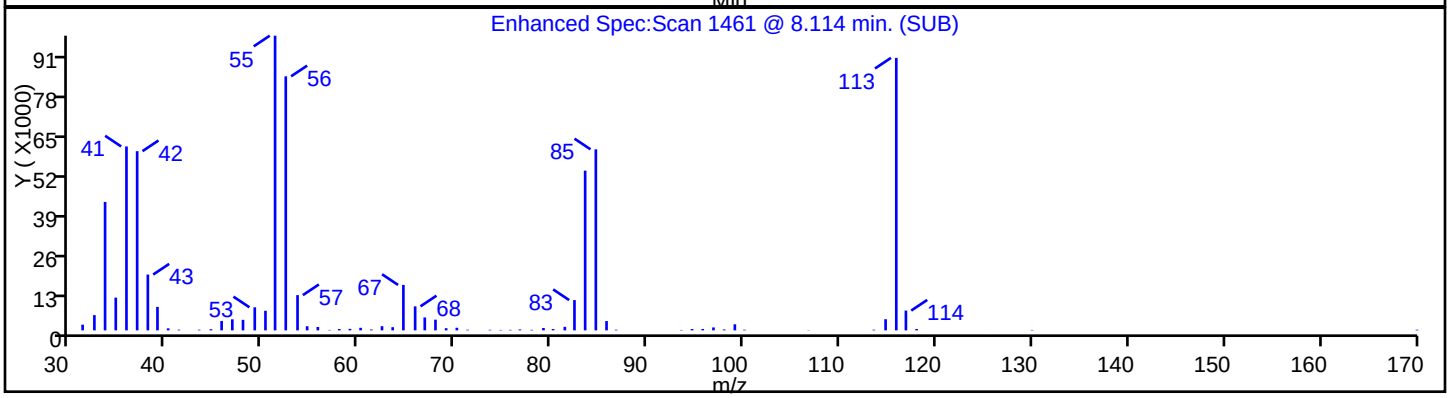
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 23-Sep-2009 14:47:55
Audit Action: Selected Alternate Hit
Audit Reason:

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

Lab Sample ID: CCV 360-49266/16 Calibration Date: 09/21/2009 22:38

Instrument ID: Inst. B Calib Start Date: 09/21/2009 15:24

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/21/2009 19:31

Lab File ID: B10453.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Qua		0.1792		5900	5000	18.1	30.0
N-Nitrosodimethylamine	Ave	0.3899	0.3618		4640	5000	-7.2	30.0
Pyridine	Ave	0.4470	0.4669		5220	5000	4.4	30.0
Benzaldehyde	Ave	0.3700	0.3569		4820	5000	-3.5	30.0
Phenol	Ave	0.6844	0.6550		4790	5000	-4.3	20.0
Aniline	Ave	0.8272	0.7992		4830	5000	-3.4	30.0
Bis(2-chloroethyl)ether	Ave	0.5696	0.5216		4580	5000	-8.4	30.0
2-Chlorophenol	Ave	0.5876	0.5623		4780	5000	-4.3	30.0
1,4-Dichlorobenzene	Ave	0.7423	0.6767		4560	5000	-8.8	20.0
1,3-Dichlorobenzene	Ave	0.7770	0.7056		4540	5000	-9.2	30.0
Benzyl alcohol	Ave	0.4159	0.4235		5090	5000	1.8	30.0
1,2-Dichlorobenzene	Lin1		0.6477		5330	5000	6.7	30.0
2-Methylphenol	Ave	0.5233	0.5148		4920	5000	-1.6	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.038	0.9276		4470	5000	-10.7	30.0
3 & 4 Methylphenol	Ave	0.5479	0.5270		4810	5000	-3.8	30.0
N-Nitrosodi-n-propylamine	Ave	0.3882	0.3993	0.0500	5140	5000	2.9	30.0
Acetophenone	Ave	0.7737	0.7399		4780	5000	-4.4	30.0
Hexachloroethane	Ave	0.2599	0.2501		4810	5000	-3.8	30.0
Nitrobenzene	Ave	0.2532	0.2416		4770	5000	-4.6	30.0
Isophorone	Ave	0.4071	0.4127		5070	5000	1.4	30.0
2,4-Dimethylphenol	Ave	0.2349	0.2330		4960	5000	-0.8	30.0
2-Nitrophenol	Ave	0.1189	0.1323		5560	5000	11.3	20.0
Benzoic acid	Lin1		0.0592		4650	5000	-7.0	30.0
Bis(2-chloroethoxy)methane	Ave	0.2557	0.2353		4600	5000	-8.0	30.0
2,4-Dichlorophenol	Ave	0.1897	0.1847		4870	5000	-2.6	20.0
1,2,4-Trichlorobenzene	Qua		0.2118		5090	5000	1.8	30.0
Alpha-Terpineol	Ave	0.2088	0.2079		4980	5000	-0.4	30.0
Naphthalene	Lin		0.7089		5580	5000	11.6	30.0
4-Chloroaniline	Ave	0.3123	0.2966		4750	5000	-5.0	30.0
Hexachlorobutadiene	Ave	0.1190	0.1086		4560	5000	-8.7	20.0
Caprolactam	Ave	0.0840	0.0978		5820	5000	16.4	30.0
4-Chloro-3-methylphenol	Ave	0.1771	0.1863		5260	5000	5.2	20.0
2-Methylnaphthalene	Ave	0.5075	0.4669		4600	5000	-8.0	30.0
1-Methylnaphthalene	Ave	0.4957	0.4551		4590	5000	-8.2	30.0
Hexachlorocyclopentadiene	Lin1		0.2327	0.0500	4860	5000	-2.7	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.2010	0.1832		4560	5000	-8.9	30.0
2,4,6-Trichlorophenol	Lin1		0.3166		4690	5000	-6.3	20.0
2,4,5-Trichlorophenol	Lin1		0.3444		4860	5000	-2.8	30.0
1,1'-Biphenyl	Ave	1.403	1.417		5050	5000	1.0	30.0
2-Chloronaphthalene	Ave	1.306	1.292		4940	5000	-1.1	30.0
Phenyl ether	Ave	0.3231	0.2964		4590	5000	-8.3	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

Lab Sample ID: CCV 360-49266/16 Calibration Date: 09/21/2009 22:38

Instrument ID: Inst. B Calib Start Date: 09/21/2009 15:24

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/21/2009 19:31

Lab File ID: B10453.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitroaniline	Lin1		0.3855		4940	5000	-1.2	30.0
Dimethyl phthalate	Ave	1.239	1.267		5110	5000	2.3	30.0
2,6-Dinitrotoluene	Ave	0.2754	0.2918		5300	5000	6.0	30.0
Acenaphthylene	Ave	1.670	1.797		5380	5000	7.6	30.0
3-Nitroaniline	Lin1		0.2962		4910	5000	-1.9	30.0
2,4-Dinitrophenol	Qua		0.0952	0.0500	5410	5000	8.2	30.0
4-Nitrophenol	Lin1		0.1739	0.0500	4920	5000	-1.6	30.0
Acenaphthene	Ave	1.174	1.229		5230	5000	4.7	20.0
2,4-Dinitrotoluene	Lin1		0.3775		4770	5000	-4.7	30.0
Dibenzofuran	Ave	1.528	1.572		5150	5000	2.9	30.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2510		4830	5000	-3.4	30.0
Diethyl phthalate	Ave	1.263	1.320		5220	5000	4.5	30.0
4-Chlorophenyl phenyl ether	Ave	0.5664	0.5786		5110	5000	2.2	30.0
2-Nitroaniline	Lin1		0.3462		4910	5000	-1.9	30.0
Fluorene	Ave	1.285	1.372		5340	5000	6.8	30.0
4,6-Dinitro-2-methylphenol	Lin		0.0990		4970	5000	-0.7	30.0
Diphenylamine	Ave	0.6519	0.6794		5210	5000	4.2	30.0
N-Nitrosodiphenylamine	Ave	0.6519	0.6794		5210	5000	4.2	20.0
1,2-Diphenylhydrazine	Ave	1.190	1.279		5370	5000	7.5	30.0
Azobenzene	Ave	1.190	1.279		5370	5000	7.5	30.0
Benzophenone	Ave	0.7148	0.7700		5390	5000	7.7	30.0
4-Bromophenyl phenyl ether	Ave	0.1833	0.1843		5030	5000	0.5	30.0
Atrazine	Lin1		0.2170		4990	5000	-0.1	30.0
Hexachlorobenzene	Ave	0.1770	0.1767		4990	5000	-0.2	30.0
Pentachlorophenol	Lin		0.0875		4830	5000	-3.5	20.0
Pentachloronitrobenzene	Lin1		0.0817		4700	5000	-6.0	30.0
Phenanthrene	Ave	1.036	1.050		5070	5000	1.4	30.0
Anthracene	Ave	0.9691	1.042		5380	5000	7.5	30.0
Carbazole	Ave	0.8190	0.8898		5430	5000	8.6	30.0
Di-n-butyl phthalate	Ave	1.221	1.233		5050	5000	1.0	30.0
Fluoranthene	Ave	0.8954	0.9516		5310	5000	6.3	20.0
Benzidine	Qua		0.2435		6500	5000	29.9	30.0
Pyrene	Ave	1.624	1.507		4640	5000	-7.2	30.0
Butyl benzyl phthalate	Ave	0.6741	0.7119		5280	5000	5.6	30.0
Bis(2-ethylhexyl) phthalate	Lin1		0.9378		4850	5000	-2.9	30.0
3,3'-Dichlorobenzidine	Lin1		0.3046		5070	5000	1.4	30.0
Benzo[a]anthracene	Ave	0.8840	0.9251		5230	5000	4.6	30.0
Chrysene	Ave	0.8662	0.8624		4980	5000	-0.4	30.0
Di-n-octyl phthalate	Lin1		2.149		4460	5000	-10.9	20.0
Benzo[b]fluoranthene	Ave	1.232	1.205		4890	5000	-2.2	30.0
Benzo[k]fluoranthene	Ave	1.130	1.111		4920	5000	-1.7	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

Lab Sample ID: CCV 360-49266/16 Calibration Date: 09/21/2009 22:38

Instrument ID: Inst. B Calib Start Date: 09/21/2009 15:24

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/21/2009 19:31

Lab File ID: B10453.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]pyrene	Ave	0.8404	0.9114		5420	5000	8.4	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.6740	0.7204		5340	5000	6.9	30.0
Dibenz(a,h)anthracene	Ave	0.5548	0.6081		5480	5000	9.6	30.0
Benzo[g,h,i]perylene	Lin1		0.5936		5090	5000	1.7	30.0
2-Fluorophenol	Ave	0.5631	0.5296		4700	5000	-5.9	30.0
Phenol-d5	Ave	0.6480	0.6468		4990	5000	-0.2	30.0
Nitrobenzene-d5	Ave	0.2563	0.2473		4820	5000	-3.5	30.0
2-Fluorobiphenyl	Ave	1.321	1.325		5010	5000	0.2	30.0
2,4,6-Tribromophenol	Lin1		0.0679		4680	5000	-6.5	30.0
Terphenyl-d14	Ave	0.9523	0.8993		4720	5000	-5.6	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10453.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	21-Sep-2009 22:38:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	ccv		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	49266	Lims Sample ID:	16
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 11:04:42	Calib Date:	21-Sep-2009 19:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 11:04:42

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.903	7.900	0.003	638341	2.00	
* 2 Naphthalene-d8	136	9.034	9.030	0.004	1600370	2.00	
* 3 Acenaphthene-d10	164	10.534	10.535	-0.001	616436	2.00	
* 4 Phenanthrene-d10	188	11.803	11.800	0.003	1029860	2.00	
* 5 Chrysene-d12	240	15.400	15.397	0.003	673112	2.00	
* 6 Perylene-d12	264	17.838	17.840	-0.002	402663	2.00	
$ 7 2-Fluorophenol	112	6.634	6.630	0.004	845230	4.70	
$ 8 Phenol-d5	99	7.524	7.520	0.004	1032136	4.99	
$ 9 Nitrobenzene-d5	82	8.394	8.390	0.004	989335	4.82	
$ 10 2-Fluorobiphenyl	172	9.928	9.924	0.004	2041194	5.01	
$ 11 2,4,6-Tribromophenol	330	11.202	11.204	-0.002	174690	4.68	
$ 12 Terphenyl-d14	244	13.424	13.425	-0.001	1513263	4.72	
14 1,4-Dioxane	88	4.355	4.351	0.004	286046	5.90	
15 N-Nitrosodimethylamine	42	4.932	4.928	0.004	577330	4.64	
16 Pyridine	79	4.965	4.967	-0.002	745022	5.22	
17 Benzaldehyde	105	7.504	7.506	-0.002	569560	4.82	
18 Phenol	94	7.538	7.534	0.004	1045276	4.79	
19 Aniline	93	7.596	7.597	-0.001	1275404	4.83	
20 Bis(2-chloroethyl)ether	93	7.634	7.635	-0.001	832418	4.58	
21 2-Chlorophenol	128	7.711	7.708	0.003	897298	4.78	
22 1,4-Dichlorobenzene	146	7.855	7.852	0.003	1079875	4.56	
23 1,3-Dichlorobenzene	146	7.918	7.919	-0.001	1126066	4.54	
24 Benzyl alcohol	79	8.004	8.001	0.003	675775	5.09	
25 1,2-Dichlorobenzene	146	8.062	8.059	0.003	1033622	5.33	
26 2-Methylphenol	108	8.086	8.083	0.003	821481	4.92	
27 2,2'-oxybis[1-chloropropane]	45	8.115	8.116	-0.001	1480324	4.47	
28 3 & 4 Methylphenol	108	8.216	8.212	0.004	841054	4.81	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	8.235	8.232	0.003	637198	5.14	
30 Acetophenone	105	8.250	8.246	0.004	1180753	4.78	
31 Hexachloroethane	117	8.365	8.366	-0.001	399180	4.81	
32 Nitrobenzene	77	8.413	8.410	0.003	966423	4.77	
33 Isophorone	82	8.606	8.607	-0.001	1651266	5.07	
35 2,4-Dimethylphenol	107	8.682	8.679	0.003	932210	4.96	
34 2-Nitrophenol	139	8.687	8.689	-0.002	529498	5.56	
36 Benzoic acid	105	8.731	8.713	0.018	236962	4.65	
37 Bis(2-chloroethoxy)methane	93	8.764	8.765	-0.001	941304	4.60	
38 2,4-Dichlorophenol	162	8.889	8.891	-0.002	738962	4.87	
39 1,2,4-Trichlorobenzene	180	8.971	8.972	-0.001	847244	5.09	
40 Alpha-Terpineol	59	9.019	9.020	-0.001	831636	4.98	
41 Naphthalene	128	9.053	9.049	0.004	2836364	5.58	
42 4-Chloroaniline	127	9.072	9.068	0.004	1186802	4.75	
43 Hexachlorobutadiene	225	9.135	9.136	-0.002	434580	4.56	
44 Caprolactam	55	9.365	9.352	0.013	391306	5.82	
45 4-Chloro-3-methylphenol	107	9.452	9.448	0.004	745476	5.26	
46 2-Methylnaphthalene	142	9.635	9.636	-0.001	1868201	4.60	
47 1-Methylnaphthalene	142	9.726	9.727	-0.001	1820688	4.59	
48 Hexachlorocyclopentadiene	237	9.764	9.766	-0.002	358559	4.86	
49 1,2,4,5-Tetrachlorobenzene	216	9.779	9.780	-0.001	732841	4.56	
50 2,4,6-Trichlorophenol	196	9.861	9.862	-0.001	487962	4.69	
51 2,4,5-Trichlorophenol	196	9.899	9.896	0.003	530741	4.86	
52 1,1'-Biphenyl	154	10.024	10.021	0.003	2184253	5.05	
53 2-Chloronaphthalene	162	10.063	10.059	0.004	1990628	4.94	
54 Phenyl ether	170	10.101	10.102	-0.001	1185756	4.59	
68 4-Nitroaniline	138	10.125	10.122	0.003	594056	4.94	
56 Dimethyl phthalate	163	10.241	10.237	0.004	1952775	5.11	
57 2,6-Dinitrotoluene	165	10.313	10.309	0.004	449734	5.30	
58 Acenaphthylene	152	10.423	10.420	0.003	2769110	5.38	
59 3-Nitroaniline	138	10.467	10.463	0.004	456475	4.91	
60 2,4-Dinitrophenol	184	10.553	10.550	0.003	146771	5.41	
61 Acenaphthene	153	10.563	10.564	-0.001	1894451	5.23	
62 4-Nitrophenol	109	10.563	10.559	0.004	267963	4.92	
63 2,4-Dinitrotoluene	165	10.659	10.655	0.004	581705	4.77	
64 Dibenzofuran	168	10.707	10.703	0.004	2423269	5.15	
65 2,3,4,6-Tetrachlorophenol	232	10.794	10.795	-0.001	386802	4.83	
66 Diethyl phthalate	149	10.827	10.824	0.003	2033953	5.22	
67 4-Chlorophenyl phenyl ether	204	10.967	10.963	0.004	891718	5.11	
55 2-Nitroaniline	65	10.986	10.982	0.004	533467	4.91	
69 Fluorene	166	11.000	10.997	0.003	2114679	5.34	
70 4,6-Dinitro-2-methylphenol	198	11.005	11.002	0.003	254863	4.97	
71 Diphenylamine	169	11.058	11.059	-0.001	1749116	5.21	
72 N-Nitrosodiphenylamine	169	11.058	11.059	-0.001	1749116	5.21	
74 Azobenzene	77	11.101	11.103	-0.002	3292418	5.37	
73 1,2-Diphenylhydrazine	77	11.101	11.103	-0.002	3292418	5.37	
13 Benzophenone	105	11.111	11.112	-0.001	1982345	5.39	
75 4-Bromophenyl phenyl ether	248	11.385	11.386	-0.001	474457	5.03	
77 Atrazine	200	11.472	11.468	0.004	558736	4.99	
76 Hexachlorobenzene	284	11.472	11.473	-0.001	454876	4.99	
78 Pentachlorophenol	266	11.625	11.629	-0.004	225309	4.83	
79 Pentachloronitrobenzene	237	11.635	11.636	-0.001	210331	4.70	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.823	11.824	-0.001	2702555	5.07	
81 Anthracene	178	11.866	11.867	-0.001	2682422	5.38	
83 Carbazole	167	11.981	11.983	-0.002	2291008	5.43	
84 Di-n-butyl phthalate	149	12.207	12.204	0.003	3173960	5.05	
87 Fluoranthene	202	13.001	13.002	-0.001	2450078	5.31	
86 Benzidine	184	13.102	13.115	-0.013	626950	6.50	
85 Pyrene	202	13.304	13.305	-0.001	2535767	4.64	
89 Butyl benzyl phthalate	149	14.140	14.142	-0.002	1198008	5.28	
92 Bis(2-ethylhexyl) phthalate	149	15.285	15.281	0.004	1578088	4.85	
91 3,3'-Dichlorobenzidine	252	15.290	15.286	0.004	512580	5.07	
93 Benzo[a]anthracene	228	15.381	15.378	0.003	1556723	5.23	
94 Chrysene	228	15.448	15.445	0.003	1451204	4.98	
95 Di-n-octyl phthalate	149	16.333	16.335	-0.002	2163369	4.46	
97 Benzo[b]fluoranthene	252	17.122	17.123	-0.001	1213382	4.89	
98 Benzo[k]fluoranthene	252	17.170	17.166	0.004	1118646	4.92	
99 Benzo[a]pyrene	252	17.733	17.734	-0.001	917424	5.42	
100 Indeno[1,2,3-cd]pyrene	276	20.272	20.268	0.004	725165	5.34	
101 Dibenz(a,h)anthracene	278	20.296	20.302	-0.006	612189	5.48	
102 Benzo[g,h,i]perylene	276	21.003	20.999	0.004	597534	5.09	

Report Date: 22-Sep-2009 11:04:43 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10453.D

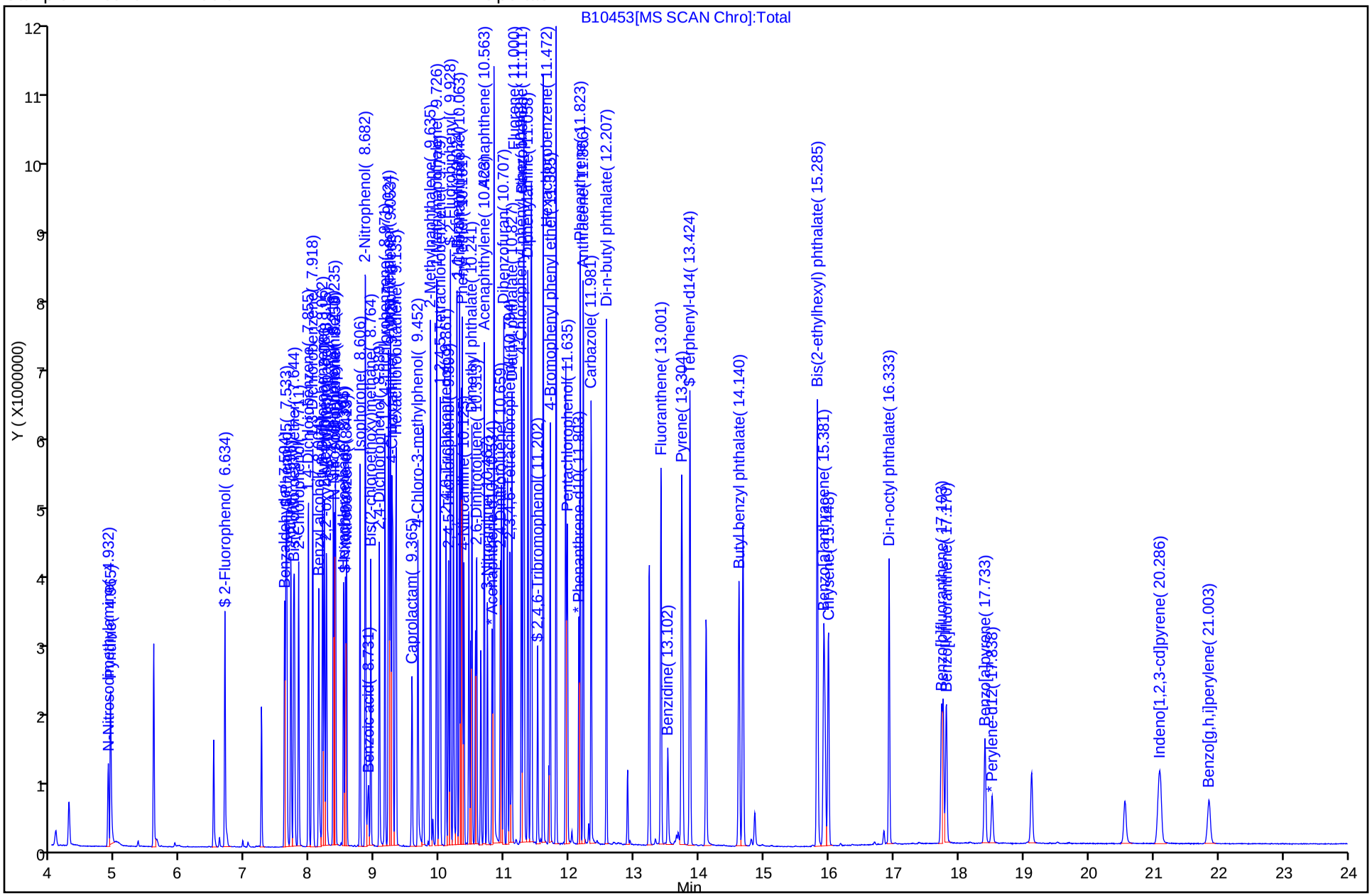
Inj Date: 21-Sep-2009 22:38:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49266 Lims Sample ID: 16

Client ID: Instrument: Inst. B

Sample Info: ccv

Sample Amount: 1.00 ul Operator: MZ



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

Lab Sample ID: CCV 360-49260/16 Calibration Date: 09/21/2009 21:41

Instrument ID: Inst. J Calib Start Date: 09/21/2009 15:23

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/21/2009 18:59

Lab File ID: J03054.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin1		0.2275		4630	5000	-7.5	30.0
Pyridine	Lin		0.5379		4630	5000	-7.4	30.0
N-Nitrosodimethylamine	Ave	0.3161	0.3117		4930	5000	-1.4	30.0
Aniline	Ave	0.9192	0.8894		4840	5000	-3.2	30.0
Phenol	Ave	0.8029	0.7722		4810	5000	-3.8	20.0
2-Chlorophenol	Ave	0.6539	0.6097		4660	5000	-6.8	30.0
Bis(2-chloroethyl)ether	Ave	0.6668	0.6020		4510	5000	-9.7	30.0
1,4-Dichlorobenzene	Ave	0.7671	0.6821		4450	5000	-11.1	20.0
1,3-Dichlorobenzene	Ave	0.8006	0.7037		4390	5000	-12.1	30.0
1,2-Dichlorobenzene	Ave	0.7563	0.6370		4210	5000	-15.8	30.0
Benzyl alcohol	Lin		0.5052		4490	5000	-10.2	30.0
2-Methylphenol	Ave	0.5641	0.5434		4820	5000	-3.7	30.0
2,2'-oxybis[1-chloropropane]	Ave	0.6916	0.6143		4440	5000	-11.2	30.0
Acetophenone	Ave	0.8325	0.8183		4910	5000	-1.7	30.0
Benzaldehyde	Ave	0.8325	0.8183		4910	5000	-1.7	30.0
N-Nitrosodi-n-propylamine	Ave	0.4454	0.4370	0.0500	4910	5000	-1.9	30.0
3 & 4 Methylphenol	Ave	0.5843	0.5739		4910	5000	-1.8	30.0
Hexachloroethane	Ave	0.2973	0.2711		4560	5000	-8.8	30.0
Nitrobenzene	Ave	0.3130	0.3317		5300	5000	6.0	30.0
Isophorone	Lin1		0.5665		4940	5000	-1.1	30.0
2-Nitrophenol	Lin1		0.1484		4900	5000	-2.1	20.0
2,4-Dimethylphenol	Ave	0.2828	0.3026		5350	5000	7.0	30.0
Benzoic acid	Qua		0.0559		4530	5000	-9.3	30.0
Bis(2-chloroethoxy)methane	Ave	0.3208	0.3315		5170	5000	3.3	30.0
2,4-Dichlorophenol	Lin1		0.2154		4910	5000	-1.9	20.0
1,2,4-Trichlorobenzene	Ave	0.2625	0.2535		4830	5000	-3.4	30.0
Naphthalene	Ave	0.9031	0.8747		4840	5000	-3.1	30.0
Alpha-Terpineol	Lin2		0.2065		5100	5000	2.1	30.0
4-Chloroaniline	Ave	0.3182	0.3472		5460	5000	9.1	30.0
Hexachlorobutadiene	Ave	0.1439	0.1363		4730	5000	-5.3	20.0
Caprolactam	Lin1		0.0886		4920	5000	-1.6	30.0
4-Chloro-3-methylphenol	Lin1		0.2535		4890	5000	-2.2	20.0
2-Methylnaphthalene	Ave	0.5704	0.5632		4940	5000	-1.3	30.0
1-Methylnaphthalene	Ave	0.5583	0.5560		4980	5000	-0.4	30.0
Hexachlorocyclopentadiene	Lin1		0.2135	0.0500	4880	5000	-2.3	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.2182	0.2112		4840	5000	-3.2	30.0
2,4,6-Trichlorophenol	Lin1		0.2887		4900	5000	-2.0	20.0
2,4,5-Trichlorophenol	Lin1		0.2933		4790	5000	-4.1	30.0
1,1'-Biphenyl	Ave	1.335	1.294		4850	5000	-3.1	30.0
2-Chloronaphthalene	Ave	1.389	1.286		4630	5000	-7.4	30.0
Phenyl ether	Ave	0.3526	0.3402		4820	5000	-3.5	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

Lab Sample ID: CCV 360-49260/16 Calibration Date: 09/21/2009 21:41

Instrument ID: Inst. J Calib Start Date: 09/21/2009 15:23

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/21/2009 18:59

Lab File ID: J03054.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitroaniline	Lin1		0.3546		5010	5000	0.1	30.0
Dimethyl phthalate	Ave	1.193	1.221		5120	5000	2.4	30.0
2,4-Dinitrotoluene	Lin1		0.2809		5080	5000	1.6	30.0
Acenaphthylene	Ave	1.595	1.678		5260	5000	5.2	30.0
Acenaphthene	Ave	1.091	1.057		4840	5000	-3.2	20.0
2,4-Dinitrophenol	Qua		0.0625	0.0500	5190	5000	3.7	30.0
4-Nitrophenol	Lin2		0.1680	0.0500	5320	5000	6.5	30.0
Dibenzofuran	Ave	1.470	1.456		4960	5000	-0.9	30.0
2,6-Dinitrotoluene	Lin1		0.3551		5130	5000	2.6	30.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2320		4970	5000	-0.5	30.0
Diethyl phthalate	Ave	1.209	1.257		5190	5000	3.9	30.0
Fluorene	Ave	1.141	1.165		5100	5000	2.1	30.0
4-Chlorophenyl phenyl ether	Ave	0.5501	0.5353		4870	5000	-2.7	30.0
3-Nitroaniline	Lin1		0.2454		5440	5000	8.9	30.0
4,6-Dinitro-2-methylphenol	Lin		0.0833		4910	5000	-1.9	30.0
Diphenylamine	Ave	0.5950	0.6307		5300	5000	6.0	30.0
N-Nitrosodiphenylamine	Ave	0.5950	0.6307		5300	5000	6.0	20.0
1,2-Diphenylhydrazine	Ave	1.232	1.315		5340	5000	6.7	30.0
Azobenzene	Ave	1.232	1.315		5340	5000	6.7	30.0
Benzophenone	Ave	0.7303	0.7877		5390	5000	7.9	30.0
2-Nitroaniline	Ave	0.0468	0.0454		4850	5000	-3.0	30.0
4-Bromophenyl phenyl ether	Ave	0.1860	0.1861		5000	5000	0.0	30.0
Hexachlorobenzene	Ave	0.2078	0.1933		4650	5000	-7.0	30.0
Atrazine	Lin1		0.1896		5010	5000	0.2	30.0
Pentachlorophenol	Lin1		0.0826		4710	5000	-5.9	20.0
Pentachloronitrobenzene	Lin1		0.0855		4810	5000	-3.9	30.0
Phenanthrene	Ave	1.012	0.9960		4920	5000	-1.6	30.0
Anthracene	Ave	0.8679	0.9677		5580	5000	11.5	30.0
Carbazole	Ave	0.7502	0.8215		5480	5000	9.5	30.0
Di-n-butyl phthalate	Lin1		1.247		5050	5000	1.0	30.0
Fluoranthene	Ave	0.8040	0.8858		5510	5000	10.2	20.0
Benzidine	Qua		0.2048		6080	5000	21.6	30.0
Pyrene	Ave	1.363	1.493		5480	5000	9.5	30.0
Butyl benzyl phthalate	Lin1		0.7764		5490	5000	9.8	30.0
Benzo[a]anthracene	Lin1		0.9220		5150	5000	3.0	30.0
3,3'-Dichlorobenzidine	Lin1		0.2898		5760	5000	15.1	30.0
Chrysene	Lin2		0.8839		5070	5000	1.5	30.0
Bis(2-ethylhexyl) phthalate	Lin1		1.079		5560	5000	11.1	30.0
Di-n-octyl phthalate	Lin		2.113		5340	5000	6.8	20.0
Benzo[b]fluoranthene	Ave	1.227	1.181		4810	5000	-3.8	30.0
Benzo[k]fluoranthene	Ave	1.147	1.250		5450	5000	9.0	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

Lab Sample ID: CCV 360-49260/16 Calibration Date: 09/21/2009 21:41

Instrument ID: Inst. J Calib Start Date: 09/21/2009 15:23

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/21/2009 18:59

Lab File ID: J03054.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]pyrene	Lin1		0.8647		4860	5000	-2.8	20.0
Indeno[1,2,3-cd]pyrene	Lin1		0.8001		5070	5000	1.5	30.0
Dibenz(a,h)anthracene	Lin1		0.6625		5130	5000	2.6	30.0
Benzo[g,h,i]perylene	Ave	0.6347	0.7029		5540	5000	10.8	30.0
2-Fluorophenol	Lin		0.5868		4760	5000	-4.8	30.0
Phenol-d5	Ave	0.7448	0.7179		4820	5000	-3.6	30.0
Nitrobenzene-d5	Ave	0.3114	0.3345		5370	5000	7.4	30.0
2-Fluorobiphenyl	Ave	1.269	1.211		4770	5000	-4.5	30.0
2,4,6-Tribromophenol	Lin1		0.0847		4670	5000	-6.5	30.0
Terphenyl-d14	Ave	0.8489	0.8864		5220	5000	4.4	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03054.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	21-Sep-2009 21:41:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	CCV		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	49260	Lims Sample ID:	16
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 15:05:26	Calib Date:	21-Sep-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 15:05:25

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	6.299	6.302	-0.003	83372	2.00	
* 2 Naphthalene-d8	136	7.641	7.643	-0.002	174508	2.00	
* 3 Acenaphthene-d10	164	9.367	9.370	-0.003	86226	2.00	
* 4 Phenanthrene-d10	188	10.805	10.808	-0.003	135967	2.00	
* 5 Chrysene-d12	240	13.373	13.371	0.002	86128	2.00	
* 6 Perylene-d12	264	14.705	14.708	-0.003	56168	2.00	
$ 7 2-Fluorophenol	112	4.433	4.436	-0.003	122302	4.76	
$ 8 Phenol-d5	99	5.963	5.965	-0.002	149630	4.82	
$ 9 Nitrobenzene-d5	82	6.920	6.917	0.003	145945	5.37	
$ 10 2-Fluorobiphenyl	172	8.737	8.735	0.002	261143	4.77	
$ 11 2,4,6-Tribromophenol	330	10.141	10.139	0.002	28794	4.67	
$ 12 Terphenyl-d14	244	12.387	12.385	0.002	190851	5.22	
14 1,4-Dioxane	88	1.361	1.363	-0.002	47413	4.63	
16 Pyridine	79	1.673	1.681	-0.007	112107	4.63	
15 N-Nitrosodimethylamine	74	1.678	1.685	-0.007	64962	4.93	
19 Aniline	93	5.924	5.927	-0.003	185368	4.84	
18 Phenol	94	5.977	5.980	-0.003	160951	4.81	
20 Bis(2-chloroethyl)ether	93	6.054	6.057	-0.002	125476	4.51	
21 2-Chlorophenol	128	6.054	6.052	0.002	127072	4.66	
22 1,4-Dichlorobenzene	146	6.227	6.225	0.002	142169	4.45	
23 1,3-Dichlorobenzene	146	6.318	6.321	-0.003	146671	4.39	
25 1,2-Dichlorobenzene	146	6.482	6.480	0.002	132772	4.21	
24 Benzyl alcohol	79	6.501	6.499	0.002	105298	4.49	
26 2-Methylphenol	108	6.655	6.653	0.002	113268	4.82	
27 2,2'-oxybis[1-chloropropane]	45	6.669	6.662	0.007	128038	4.44	
30 Acetophenone	105	6.770	6.768	0.002	170562	4.91	
17 Benzaldehyde	105	6.770	6.768	0.002	170562	4.91	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	6.799	6.802	-0.003	91084	4.91	
28 3 & 4 Methylphenol	108	6.828	6.826	0.002	119614	4.91	
31 Hexachloroethane	117	6.838	6.840	-0.002	56504	4.56	
32 Nitrobenzene	77	6.939	6.937	0.002	144707	5.30	
33 Isophorone	82	7.198	7.201	-0.003	247135	4.94	
34 2-Nitrophenol	139	7.275	7.273	0.002	64749	4.90	
35 2,4-Dimethylphenol	107	7.362	7.360	0.002	131993	5.35	
37 Bis(2-chloroethoxy)methane	93	7.458	7.456	0.002	144631	5.17	
36 Benzoic acid	105	7.458	7.458	0.000	24398	4.53	M
38 2,4-Dichlorophenol	162	7.521	7.523	-0.002	93968	4.91	
39 1,2,4-Trichlorobenzene	180	7.598	7.595	0.003	110611	4.83	
41 Naphthalene	128	7.660	7.663	-0.003	381615	4.84	
40 Alpha-Terpineol	59	7.713	7.711	0.002	90103	5.10	
42 4-Chloroaniline	127	7.747	7.744	0.003	151490	5.46	
43 Hexachlorobutadiene	225	7.814	7.812	0.002	59442	4.73	
44 Caprolactam	55	8.074	8.057	0.017	38668	4.92	
45 4-Chloro-3-methylphenol	107	8.256	8.254	0.002	110600	4.89	
46 2-Methylnaphthalene	142	8.357	8.360	-0.003	245704	4.94	
47 1-Methylnaphthalene	142	8.454	8.451	0.003	242544	4.98	
48 Hexachlorocyclopentadiene	237	8.526	8.523	0.003	46031	4.88	
49 1,2,4,5-Tetrachlorobenzene	216	8.530	8.528	0.002	92131	4.84	
50 2,4,6-Trichlorophenol	196	8.651	8.653	-0.002	62225	4.90	
51 2,4,5-Trichlorophenol	196	8.684	8.682	0.002	63234	4.79	
52 1,1'-Biphenyl	154	8.829	8.826	0.003	279010	4.85	
53 2-Chloronaphthalene	162	8.833	8.831	0.002	277300	4.63	
54 Phenyl ether	170	8.934	8.937	-0.003	148418	4.82	
68 4-Nitroaniline	138	8.949	8.947	0.002	76439	5.01	
56 Dimethyl phthalate	163	9.156	9.153	0.003	263207	5.12	
63 2,4-Dinitrotoluene	165	9.204	9.201	0.003	60541	5.08	
58 Acenaphthylene	152	9.228	9.226	0.002	361717	5.26	
61 Acenaphthene	153	9.401	9.399	0.002	227755	4.84	
60 2,4-Dinitrophenol	184	9.463	9.466	-0.003	13476	5.19	
62 4-Nitrophenol	109	9.545	9.543	0.002	36204	5.32	
64 Dibenzofuran	168	9.574	9.572	0.002	313942	4.96	
57 2,6-Dinitrotoluene	165	9.588	9.591	-0.003	76544	5.13	
65 2,3,4,6-Tetrachlorophenol	232	9.704	9.706	-0.002	50001	4.97	
66 Diethyl phthalate	149	9.848	9.846	0.002	270863	5.19	
69 Fluorene	166	9.906	9.904	0.002	251056	5.10	
67 4-Chlorophenyl phenyl ether	204	9.925	9.928	-0.003	115389	4.87	
59 3-Nitroaniline	138	9.939	9.937	0.002	52901	5.44	
70 4,6-Dinitro-2-methylphenol	198	9.983	9.980	0.003	28306	4.91	
72 N-Nitrosodiphenylamine	169	10.045	10.043	0.002	214391	5.30	
71 Diphenylamine	169	10.045	10.043	0.002	214391	5.30	
74 Azobenzene	77	10.079	10.077	0.002	446847	5.34	
73 1,2-Diphenylhydrazine	77	10.079	10.077	0.002	446847	5.34	
13 Benzophenone	105	10.089	10.091	-0.002	267766	5.39	
75 4-Bromophenyl phenyl ether	248	10.396	10.399	-0.003	63261	5.00	
55 2-Nitroaniline	65	10.396	10.394	0.002	9792	4.85	
76 Hexachlorobenzene	284	10.440	10.437	0.003	65689	4.65	
77 Atrazine	200	10.589	10.591	-0.002	64457	5.01	
78 Pentachlorophenol	266	10.642	10.644	-0.002	28077	4.71	
79 Pentachloronitrobenzene	237	10.651	10.649	0.002	29073	4.81	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	10.829	10.827	0.002	338571	4.92	
81 Anthracene	178	10.877	10.880	-0.003	328948	5.58	
83 Carbazole	167	11.050	11.048	0.002	279256	5.48	
84 Di-n-butyl phthalate	149	11.445	11.447	-0.002	423782	5.05	
87 Fluoranthene	202	11.983	11.981	0.002	301086	5.51	
86 Benzidine	184	12.142	12.149	-0.007	69599	6.08	
85 Pyrene	202	12.195	12.193	0.002	321410	5.48	
89 Butyl benzyl phthalate	149	12.897	12.895	0.002	167170	5.49	
93 Benzo[a]anthracene	228	13.363	13.366	-0.003	198527	5.15	
91 3,3'-Dichlorobenzidine	252	13.368	13.371	-0.003	62403	5.76	
94 Chrysene	228	13.397	13.395	0.002	190321	5.07	
92 Bis(2-ethylhexyl) phthalate	149	13.479	13.481	-0.002	232404	5.56	
95 Di-n-octyl phthalate	149	14.089	14.092	-0.003	296709	5.34	
97 Benzo[b]fluoranthene	252	14.364	14.366	-0.002	165860	4.81	
98 Benzo[k]fluoranthene	252	14.392	14.390	0.002	175474	5.45	
99 Benzo[a]pyrene	252	14.657	14.659	-0.002	121425	4.86	
100 Indeno[1,2,3-cd]pyrene	276	15.614	15.616	-0.002	112350	5.07	
101 Dibenz(a,h)anthracene	278	15.633	15.631	0.002	93025	5.13	
102 Benzo[g,h,i]perylene	276	15.821	15.818	0.003	98704	5.54	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 23-Sep-2009 15:05:26 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03054.D

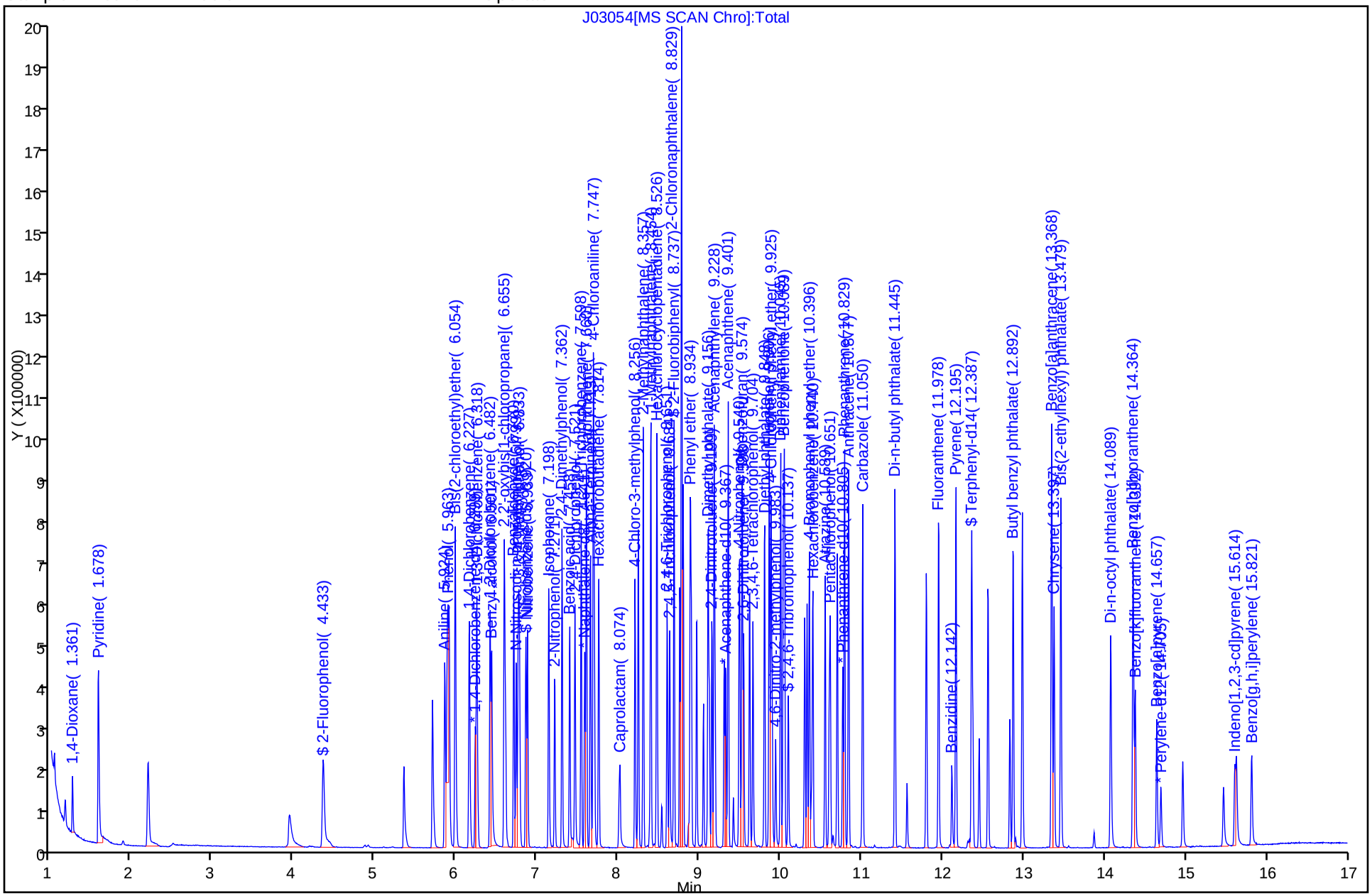
Inj Date: 21-Sep-2009 21:41:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49260 Lims Sample ID: 16

Client ID: Instrument: Inst. J

Sample Info: CCV

Sample Amount: 1.00 ul Operator:



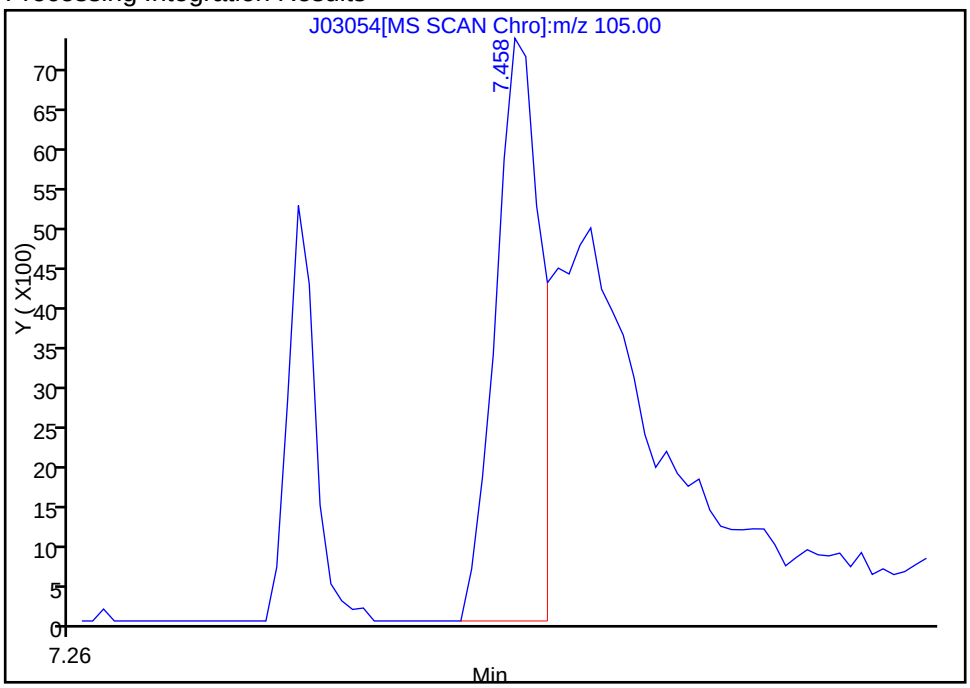
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03054.D		
Inj Date:	21-Sep-2009 21:41:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49260	Lims Sample ID:	16
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 7.46

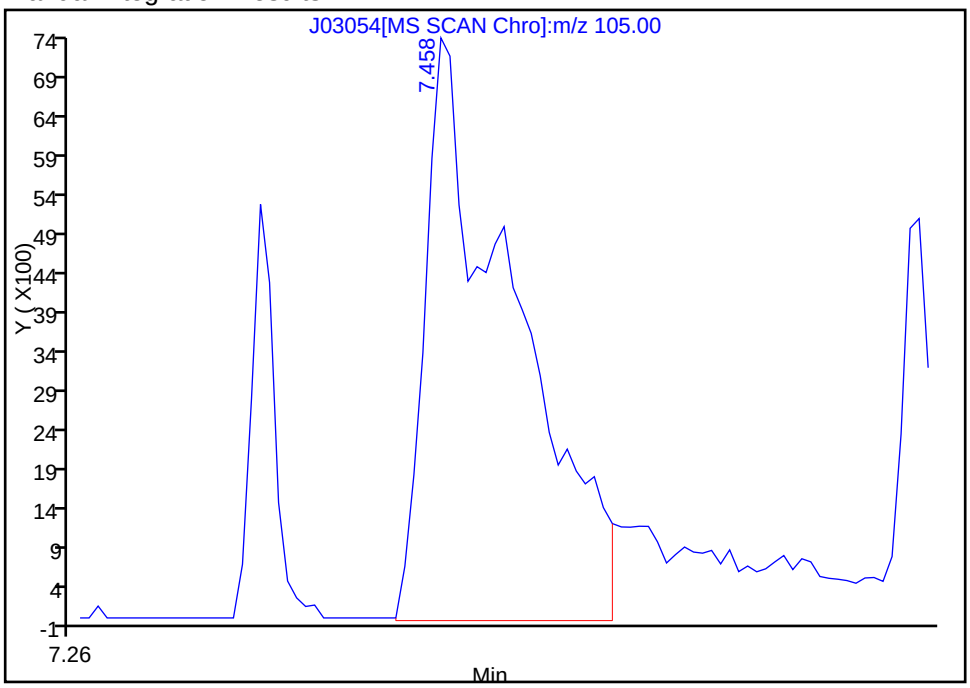
Processing Integration Results

RT: 7.46
Response: 10330
Amount: 3.000939



Manual Integration Results

RT: 7.46
Response: 24398
Amount: 4.533500



Reviewer: sullivanp, 23-Sep-2009 15:05:25
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10438.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	21-Sep-2009 14:53:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	49265	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 11:01:30	Calib Date:	21-Sep-2009 19:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 11:01:30

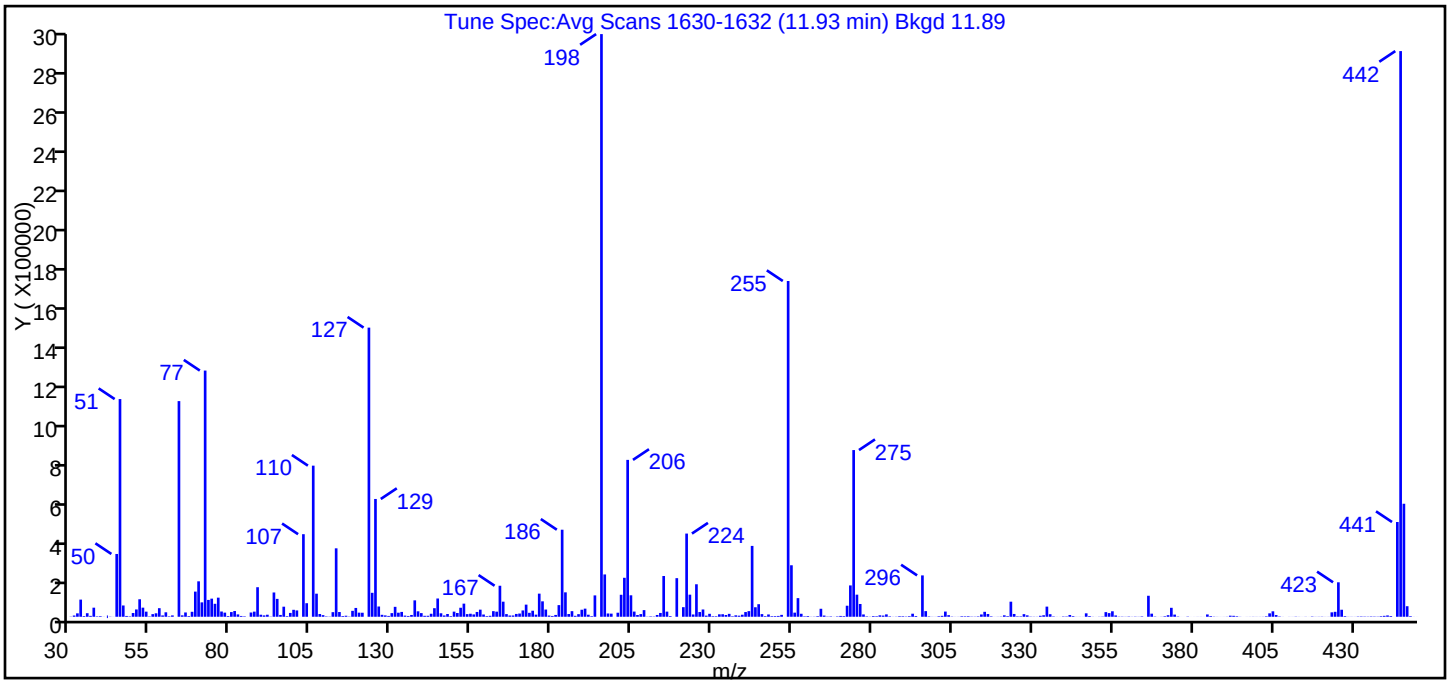
WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.629	11.629	0.000	2835263		
82 DFTPP	198	11.932	11.932	0.000	3518521		
86 Benzidine	184	13.115	13.115	0.000	7502046		
88 4,4'-DDD	235	13.846	13.846	0.000	257928		
90 4,4'-DDT	235	14.399	14.399	0.000	7236059		

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10438.D		
Inj Date:	21-Sep-2009 14:53:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	1
Client ID:		Instrument:	Inst. B
Sample Info:	dftpp		
Sample Amount:	1.00 ul	Operator:	MZ

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	37.36
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	37.01
70	Less than 2.00% of mass 69	0.24 (0.65)
127	40.00 - 60.00% of mass 198	49.62
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.26
275	10.00 - 30.00% of mass 198	28.61
365	Greater than 1.00% of mass 198	3.60
441	Present, but less than mass 443%	16.26 (83.85)
442	Greater than 40.00% of mass 198	97.08
443	17.00 - 23.00% of mass 442	19.40 (19.98)

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10438.D\8270B.rslt\spectra.d
Injection Date: 21-Sep-2009 14:53:30
Spectrum: Tune Spec:Avg Scans 1630-1632 (11.93 min) Bkgd 11.89
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 93

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	86320	107.00	415424	180.00	77632	246.00	63176
43.00	45704	108.00	68192	181.00	36328	255.00	1689088
50.00	315904	110.00	760192	185.00	58584	256.00	259072
51.00	1095168	111.00	116120	186.00	437952	258.00	93800
52.00	56784	117.00	344320	187.00	122896	265.00	40248
56.00	36816	122.00	29840	192.00	35352	273.00	55560
57.00	88072	123.00	44384	193.00	40840	274.00	157696
58.00	45800	127.00	1454592	196.00	107520	275.00	838592
63.00	43176	128.00	120504	198.00	2931200	276.00	111184
69.00	1084928	129.00	592576	199.00	212928	277.00	64304
74.00	126568	130.00	51624	204.00	110640	296.00	208128
75.00	178304	135.00	49968	205.00	196096	323.00	75872
76.00	72448	141.00	82576	206.00	789248	334.00	51040
77.00	1238528	147.00	43128	207.00	107984	365.00	105664
78.00	84784	148.00	91912	211.00	33416	372.00	45112
79.00	91176	155.00	45328	217.00	205056	423.00	173440
80.00	65200	156.00	66040	221.00	194240	424.00	35368
81.00	96152	161.00	35784	223.00	48256	441.00	476672
93.00	148672	167.00	156032	224.00	418560	442.00	2845696
98.00	122200	168.00	75904	225.00	111168	443.00	568512
99.00	89960	174.00	31840	227.00	163520	444.00	53088
101.00	50664	175.00	61040	229.00	36624		
104.00	35008	177.00	30392	244.00	356480		
105.00	31880	179.00	116344	245.00	47880		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10452.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	21-Sep-2009 22:07:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	49266	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 11:05:19	Calib Date:	21-Sep-2009 19:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 11:05:19

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.629	11.629	0.000	3200586		
82 DFTPP	198	11.927	11.932	-0.005	3580884		
86 Benzidine	184	13.119	13.119	0.000	11208978		
88 4,4'-DDD	235	13.841	13.846	-0.005	404589		
90 4,4'-DDT	235	14.398	14.399	-0.001	7062950		

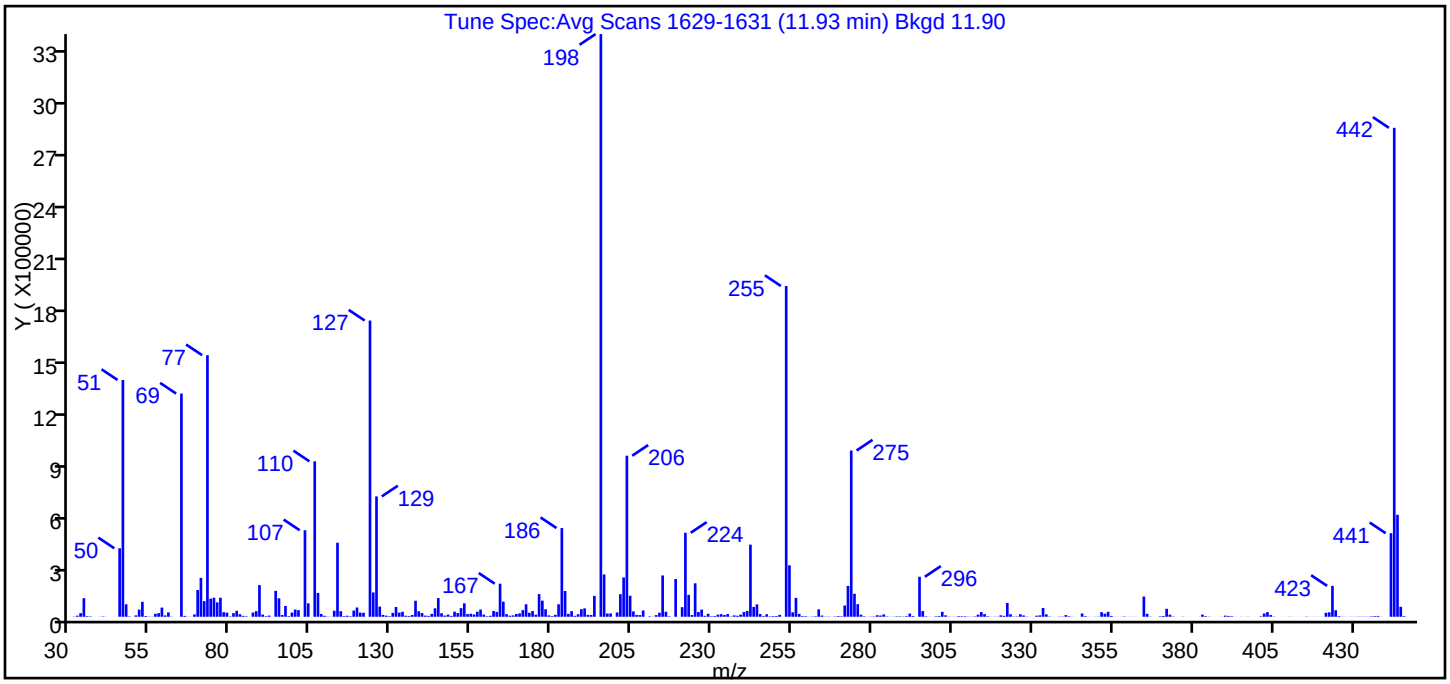
Report Date: 22-Sep-2009 11:05:20

Chrom Revision: 1.1 20-Sep-2009 21:03:36

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10452.D		
Inj Date:	21-Sep-2009 22:07:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	15
Client ID:		Instrument:	Inst. B
Sample Info:	dftpp		
Sample Amount:	1.00 ul	Operator:	MZ

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	40.64
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	38.31
70	Less than 2.00% of mass 69	0.15 (0.39)
127	40.00 - 60.00% of mass 198	50.84
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.26
275	10.00 - 30.00% of mass 198	28.53
365	Greater than 1.00% of mass 198	3.47
441	Present, but less than mass 443%	14.35 (81.97)
442	Greater than 40.00% of mass 198	83.92
443	17.00 - 23.00% of mass 442	17.50 (20.86)

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10452.D\8270B.rslt\spectra.d
Injection Date: 21-Sep-2009 22:07:30
Spectrum: Tune Spec:Avg Scans 1629-1631 (11.93 min) Bkgd 11.90
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 93

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	106584	108.00	77048	181.00	42984	246.00	71120
50.00	392832	110.00	891712	185.00	71512	255.00	1897472
51.00	1358336	111.00	137024	186.00	508864	256.00	295104
52.00	71448	116.00	34688	187.00	147840	258.00	108616
56.00	41072	117.00	424704	192.00	43480	265.00	42464
57.00	85448	122.00	35616	193.00	48304	273.00	64480
63.00	52768	123.00	53184	196.00	119728	274.00	176960
69.00	1280512	127.00	1699328	198.00	3342336	275.00	953664
74.00	153280	128.00	139584	199.00	242816	276.00	132032
75.00	223104	129.00	690560	204.00	129464	277.00	72120
76.00	89800	130.00	58456	205.00	225536	296.00	229440
77.00	1500672	135.00	56208	206.00	923840	323.00	79192
78.00	103744	141.00	91800	207.00	120472	334.00	50320
79.00	109192	147.00	48696	211.00	36000	365.00	116136
80.00	82632	148.00	107320	217.00	237120	372.00	45760
81.00	109144	155.00	49632	221.00	216512	423.00	177152
86.00	34048	156.00	76880	223.00	55096	424.00	37312
93.00	181760	161.00	41280	224.00	481920	441.00	479488
98.00	148672	167.00	189760	225.00	125544	442.00	2804736
99.00	105928	168.00	86776	227.00	192000	443.00	584960
101.00	62024	174.00	38008	229.00	41160	444.00	57160
104.00	41432	175.00	71544	243.00	33440		
105.00	37808	179.00	129984	244.00	413824		
107.00	496448	180.00	92552	245.00	56520		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03039.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	21-Sep-2009 14:57:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	49259	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 14:50:03	Calib Date:	21-Sep-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	23-Sep-2009 14:50:03

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

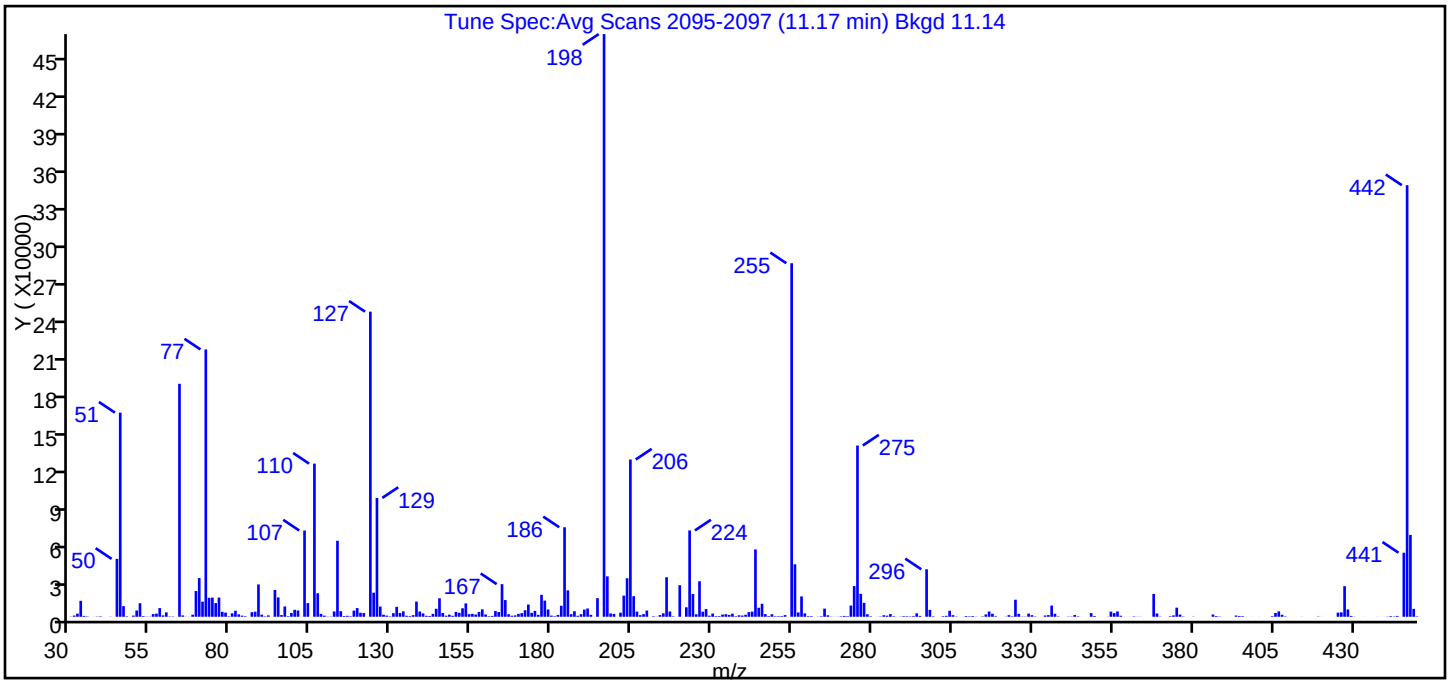
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.641	10.641	0.000	411530		
82 DFTPP	198	11.170	11.170	0.000	515422		
86 Benzidine	184	12.146	12.146	0.000	1093630		
88 4,4'-DDD	235	12.665	12.665	0.000	29213		
90 4,4'-DDT	235	12.959	12.959	0.000	1198068		

Chrom Revision: 1.1 20-Sep-2009 21:03:36

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03039.D		
Inj Date:	21-Sep-2009 14:57:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	1
Client ID:		Instrument:	Inst. J
Sample Info:	DFTPP		
Sample Amount:	1.00 ul	Operator:	

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	35.04
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	39.98
70	Less than 2.00% of mass 69	0.24 (0.59)
127	40.00 - 60.00% of mass 198	52.36
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.94
275	10.00 - 30.00% of mass 198	29.39
365	Greater than 1.00% of mass 198	3.92
441	Present, but less than mass 443%	11.00 (78.29)
442	Greater than 40.00% of mass 198	74.07
443	17.00 - 23.00% of mass 442	14.04 (18.96)

Report Date: 23-Sep-2009 14:50:03 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03039.D\8270NDMA.rslt\spectra.d
Injection Date: 21-Sep-2009 14:57:30
Spectrum: Tune Spec:Avg Scans 2095-2097 (11.17 min) Bkgd 11.14
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	12760	108.00	10925	181.00	5828	255.00	282624
50.00	46296	110.00	122424	185.00	8793	256.00	41944
51.00	163200	111.00	18848	186.00	71552	258.00	16289
52.00	8507	117.00	60744	187.00	21120	265.00	6514
56.00	5013	122.00	4918	192.00	5736	273.00	8973
57.00	10845	123.00	6965	193.00	6621	274.00	24528
63.00	6947	127.00	243904	196.00	14906	275.00	136896
69.00	186240	128.00	19256	198.00	465792	276.00	18360
74.00	20616	129.00	95008	199.00	32304	277.00	11141
75.00	30944	130.00	8194	204.00	16912	296.00	37952
76.00	12062	135.00	7956	205.00	30792	297.00	5513
77.00	213696	141.00	12148	206.00	125720	303.00	4785
78.00	15138	147.00	6406	207.00	16448	323.00	13613
79.00	15335	148.00	14760	211.00	4941	334.00	8947
80.00	10969	155.00	6832	217.00	31584	365.00	18256
81.00	15343	156.00	10706	221.00	25240	372.00	7277
86.00	4808	161.00	5956	223.00	7594	423.00	24464
93.00	25848	167.00	26088	224.00	69024	424.00	5858
98.00	21440	168.00	13353	225.00	18184	441.00	51216
99.00	15490	174.00	5217	227.00	28400	442.00	345024
101.00	8245	175.00	9768	229.00	6108	443.00	65416
104.00	5580	177.00	4711	244.00	53824	444.00	6323
105.00	5037	179.00	17560	245.00	7194		
107.00	68952	180.00	12910	246.00	10395		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03053.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	21-Sep-2009 21:14:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	49260	Lims Sample ID:	15
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 15:04:14	Calib Date:	21-Sep-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	23-Sep-2009 15:04:14

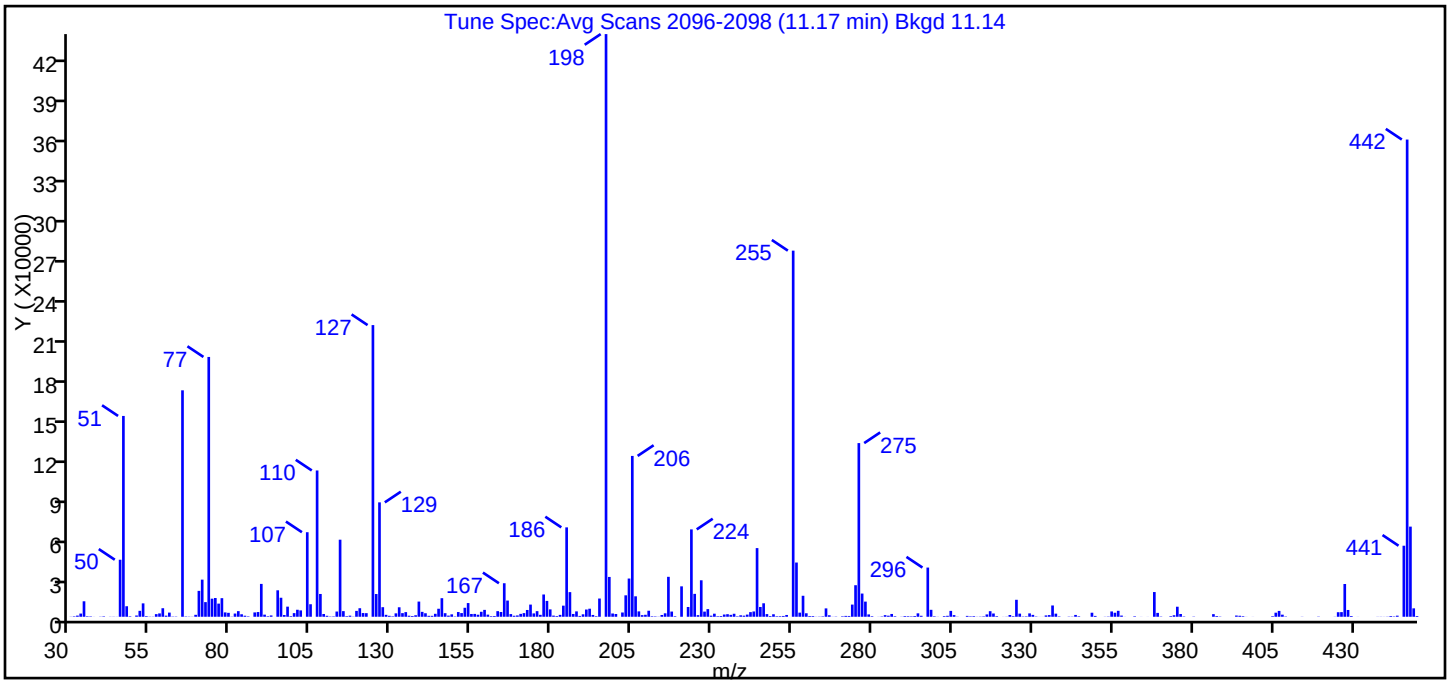
WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.644	10.641	0.003	357100		
82 DFTPP	198	11.173	11.170	0.003	497155		
86 Benzidine	184	12.149	12.146	0.003	1317382		
88 4,4'-DDD	235	12.669	12.665	0.004	46892		
90 4,4'-DDT	235	12.962	12.959	0.003	1034639		

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03053.D		
Inj Date:	21-Sep-2009 21:14:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49260	Lims Sample ID:	15
Client ID:		Instrument:	Inst. J
Sample Info:	DFTPP		
Sample Amount:	1.00 ul	Operator:	

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	34.47
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	38.86
70	Less than 2.00% of mass 69	0.06 (0.15)
127	40.00 - 60.00% of mass 198	50.06
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.83
275	10.00 - 30.00% of mass 198	29.81
365	Greater than 1.00% of mass 198	4.24
441	Present, but less than mass 443%	12.19 (78.81)
442	Greater than 40.00% of mass 198	81.90
443	17.00 - 23.00% of mass 442	15.47 (18.89)

Report Date: 23-Sep-2009 15:04:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03053.D\8270NDMA.rslt\spectra.d
Injection Date: 21-Sep-2009 21:14:30
Spectrum: Tune Spec:Avg Scans 2096-2098 (11.17 min) Bkgd 11.14
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	11608	110.00	109656	186.00	67008	258.00	15739
50.00	42752	111.00	17088	187.00	18472	265.00	6286
51.00	150528	117.00	57768	192.00	5428	273.00	9136
52.00	7896	122.00	4405	193.00	6038	274.00	23648
56.00	4452	123.00	6405	196.00	13672	275.00	130176
57.00	10042	127.00	218624	198.00	436736	276.00	17400
63.00	6406	128.00	17048	199.00	29848	277.00	11357
69.00	169728	129.00	85752	204.00	16075	296.00	36880
74.00	19408	130.00	7182	205.00	28656	297.00	5216
75.00	27832	135.00	7119	206.00	120560	303.00	4408
76.00	10985	141.00	11390	207.00	15338	323.00	12725
77.00	194752	147.00	6014	211.00	4523	334.00	8468
78.00	13568	148.00	13922	217.00	29944	354.00	4462
79.00	14058	155.00	6741	221.00	22808	365.00	18536
80.00	9857	156.00	10276	223.00	7329	372.00	7522
81.00	13940	161.00	5165	224.00	65496	403.00	4386
93.00	24632	167.00	25128	225.00	17168	423.00	24560
98.00	19840	168.00	12152	227.00	27344	424.00	5093
99.00	14256	174.00	5091	229.00	5735	441.00	53248
101.00	7584	175.00	9132	244.00	51472	442.00	357696
104.00	5254	179.00	16704	245.00	7344	443.00	67568
105.00	4776	180.00	11879	246.00	10108	444.00	6315
107.00	63376	181.00	5536	255.00	274432		
108.00	9392	185.00	8326	256.00	40648		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: | Lab Sample ID: MB 360-48854/1-A

Matrix: Solid | Lab File ID: B10449.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 20:33

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

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49265 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		33	10
120-82-1	1,2,4-Trichlorobenzene	ND		33	10
95-50-1	1,2-Dichlorobenzene	ND		33	10
541-73-1	1,3-Dichlorobenzene	ND		33	10
106-46-7	1,4-Dichlorobenzene	ND		33	10
90-12-0	1-Methylnaphthalene	ND		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	ND		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	ND		33	10
95-95-4	2,4,5-Trichlorophenol	ND		33	10
88-06-2	2,4,6-Trichlorophenol	ND		33	10
120-83-2	2,4-Dichlorophenol	ND		33	10
105-67-9	2,4-Dimethylphenol	ND		33	13
51-28-5	2,4-Dinitrophenol	ND		33	10
121-14-2	2,4-Dinitrotoluene	ND		33	10
606-20-2	2,6-Dinitrotoluene	ND		33	10
91-58-7	2-Chloronaphthalene	ND		33	10
95-57-8	2-Chlorophenol	ND		33	10
91-57-6	2-Methylnaphthalene	ND		33	10
95-48-7	2-Methylphenol	ND		33	20
88-74-4	2-Nitroaniline	ND		170	10
88-75-5	2-Nitrophenol	ND		33	10
15831-10-4	3 & 4 Methylphenol	ND		33	10
91-94-1	3,3'-Dichlorobenzidine	ND		67	10
99-09-2	3-Nitroaniline	ND		170	10
534-52-1	4,6-Dinitro-2-methylphenol	ND		170	10
101-55-3	4-Bromophenyl phenyl ether	ND		33	10
59-50-7	4-Chloro-3-methylphenol	ND		67	10
106-47-8	4-Chloroaniline	ND		67	10
7005-72-3	4-Chlorophenyl phenyl ether	ND		33	10
100-01-6	4-Nitroaniline	ND		170	10
100-02-7	4-Nitrophenol	ND		170	10
83-32-9	Acenaphthene	ND		33	10
208-96-8	Acenaphthylene	ND		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: | Lab Sample ID: MB 360-48854/1-A

Matrix: Solid | Lab File ID: B10449.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 20:33

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

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49265 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		33	10
62-53-3	Aniline	ND		33	10
120-12-7	Anthracene	ND		33	10
1912-24-9	Atrazine	ND		33	10
103-33-3	Azobenzene	ND		33	10
100-52-7	Benzaldehyde	ND		33	10
56-55-3	Benzo[a]anthracene	ND		33	10
50-32-8	Benzo[a]pyrene	ND		33	10
205-99-2	Benzo[b]fluoranthene	ND		33	10
191-24-2	Benzo[g,h,i]perylene	ND		33	10
207-08-9	Benzo[k]fluoranthene	ND		33	10
65-85-0	Benzoic acid	70.4	J	170	15
119-61-9	Benzophenone	ND		33	10
100-51-6	Benzyl alcohol	ND		67	28
111-91-1	Bis(2-chloroethoxy)methane	ND		33	10
111-44-4	Bis(2-chloroethyl)ether	ND		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	ND		33	10
85-68-7	Butyl benzyl phthalate	ND		33	10
105-60-2	Caprolactam	ND		33	10
86-74-8	Carbazole	ND		33	10
218-01-9	Chrysene	ND		33	10
53-70-3	Dibenz(a,h)anthracene	ND		33	10
132-64-9	Dibenzofuran	ND		33	10
84-66-2	Diethyl phthalate	ND		33	10
131-11-3	Dimethyl phthalate	ND		33	10
84-74-2	Di-n-butyl phthalate	ND		33	29
117-84-0	Di-n-octyl phthalate	ND		33	17
101-84-8	Diphenyl oxide	ND		33	10
206-44-0	Fluoranthene	ND		33	10
86-73-7	Fluorene	ND		33	10
118-74-1	Hexachlorobenzene	ND		33	10
87-68-3	Hexachlorobutadiene	ND		33	10
77-47-4	Hexachlorocyclopentadiene	ND		67	10
67-72-1	Hexachloroethane	ND		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: | Lab Sample ID: MB 360-48854/1-A

Matrix: Solid | Lab File ID: B10449.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 20:33

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

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49265 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	ND		33	10
78-59-1	Isophorone	ND		33	10
91-20-3	Naphthalene	ND		80	10
98-95-3	Nitrobenzene	ND		33	10
62-75-9	N-Nitrosodimethylamine	ND		33	12
621-64-7	N-Nitrosodi-n-propylamine	ND		33	10
86-30-6	N-Nitrosodiphenylamine	ND		33	10
87-86-5	Pentachlorophenol	ND		33	10
85-01-8	Phenanthrene	ND		40	10
108-95-2	Phenol	ND		33	10
129-00-0	Pyrene	ND		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	71	30-130	
321-60-8	2-Fluorobiphenyl	71	30-130	
367-12-4	2-Fluorophenol	89	30-130	
4165-60-0	Nitrobenzene-d5	83	30-130	
4165-62-2	Phenol-d5	91	30-130	
1718-51-0	Terphenyl-d14	72	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: | Lab Sample ID: MB 360-48854/1-A

Matrix: Solid | Lab File ID: B10449.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 20:33

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

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49265 | Units: ug/Kg

Number TICs Found: 8 | TIC Result Total: 170.6

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.06	23.2	T J
121-33-5	Vanillin	10.03	12.5	T J N
615-22-5	Benzothiazole, 2-(methylthio)-	11.07	12.0	T J N
593-45-3	Octadecane	11.58	42.1	T J N
112-95-8	Eicosane	12.30	24.2	T J N
54833-48-6	Heptadecane, 2,6,10,15-tetramethyl-	15.61	10.5	T J N
593-49-7	Heptacosane	16.12	14.3	T J N
7683-64-9	Squalene	16.78	31.8	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D		
Lims ID:	MB 360-48854/1-A	Client ID:	
Inject. Date:	21-Sep-2009 20:33:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-48742/1-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49265	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 11:09:16	Calib Date:	21-Sep-2009 19:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 11:09:16

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.902	7.900	0.002	431193	2.00	
* 2 Naphthalene-d8	136	9.028	9.030	-0.002	1058960	2.00	
* 3 Acenaphthene-d10	164	10.533	10.535	-0.002	541443	2.00	
* 4 Phenanthrene-d10	188	11.802	11.800	0.002	929828	2.00	
* 5 Chrysene-d12	240	15.399	15.397	0.002	577103	2.00	
* 6 Perylene-d12	264	17.837	17.840	-0.003	361051	2.00	
$ 7 2-Fluorophenol	112	6.671	6.630	0.041	1084883	8.94	
$ 8 Phenol-d5	99	7.527	7.520	0.007	1267242	9.07	
$ 9 Nitrobenzene-d5	82	8.388	8.390	-0.002	566036	4.17	
$ 10 2-Fluorobiphenyl	172	9.927	9.924	0.003	1264880	3.54	
$ 11 2,4,6-Tribromophenol	330	11.201	11.204	-0.003	240732	7.09	
$ 12 Terphenyl-d14	244	13.428	13.425	0.003	984548	3.58	
22 1,4-Dichlorobenzene	146	7.854	7.852	0.002	2126	0.0133	
30 Acetophenone	105	8.244	8.246	-0.002	10827	0.0649	
36 Benzoic acid	105	8.706	8.713	-0.007	41377	2.11	
66 Diethyl phthalate	149	10.821	10.824	-0.003	10770	0.0315	
80 Phenanthrene	178	11.822	11.824	-0.002	8627	0.0179	
89 Butyl benzyl phthalate	149	14.135	14.142	-0.007	3952	0.0203	
92 Bis(2-ethylhexyl) phthalate	149	15.279	15.281	-0.002	61107	0.2762	
100 Indeno[1,2,3-cd]pyrene	276	20.261	20.268	-0.007	15007	0.1233	
101 Dibenz(a,h)anthracene	278	20.295	20.302	-0.007	12034	0.1201	
102 Benzo[g,h,i]perylene	276	21.011	20.999	0.012	15614	0.1363	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D		
Lims ID:	MB 360-48854/1-A	Client ID:	
Inject. Date:	21-Sep-2009 20:33:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-48742/1-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49265	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 11:09:16	Calib Date:	21-Sep-2009 19:31:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	85		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 11:09:16

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

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
7.061	669447	0.6946	1			
	121-33-5	Vanillin				
10.033	444689	0.3740	3	97	68312	
	615-22-5	Benzothiazole, 2-(methylthio)-				
11.067	428574	0.3604	3	99	125390	
	593-45-3	Octadecane				
11.576	1614630	1.26	4	98	112329	
	112-95-8	Eicosane				
12.303	927402	0.7260	4	98	112343	
	54833-48-6	Heptadecane, 2,6,10,15-tetramethyl-				
15.606	259041	0.3165	5	93	17067	
	593-49-7	Heptacosane				
16.116	351703	0.4297	5	99	109643	
	7683-64-9	Squalene				
16.775	539108	0.9540	6	91	114263	

Quantitation Compounds

Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	7.902	1927650	2.00

Report Date: 22-Sep-2009 11:09:17 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D

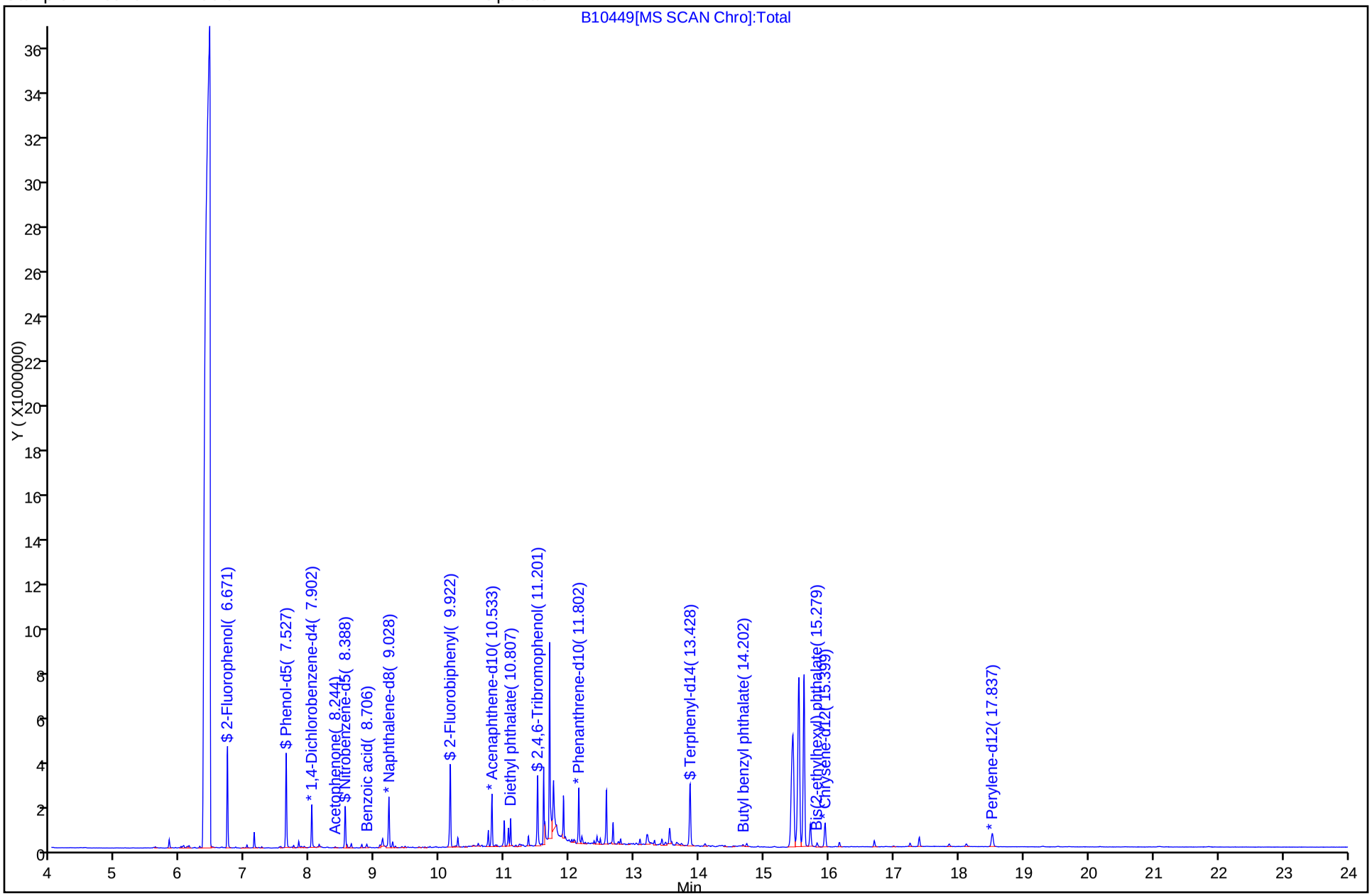
Compound	RT	Response	Amount ug/mL
* 3 Acenaphthene-d10	10.533	2378211	2.00
* 4 Phenanthrene-d10	11.802	2554734	2.00
* 5 Chrysene-d12	15.399	1636993	2.00
* 6 Perylene-d12	17.837	1130155	2.00

QC Flag Legend

Processing Flags

Report Date: 22-Sep-2009 11:09:17 Chrom Revision: 1.1 20-Sep-2009 21:03:36

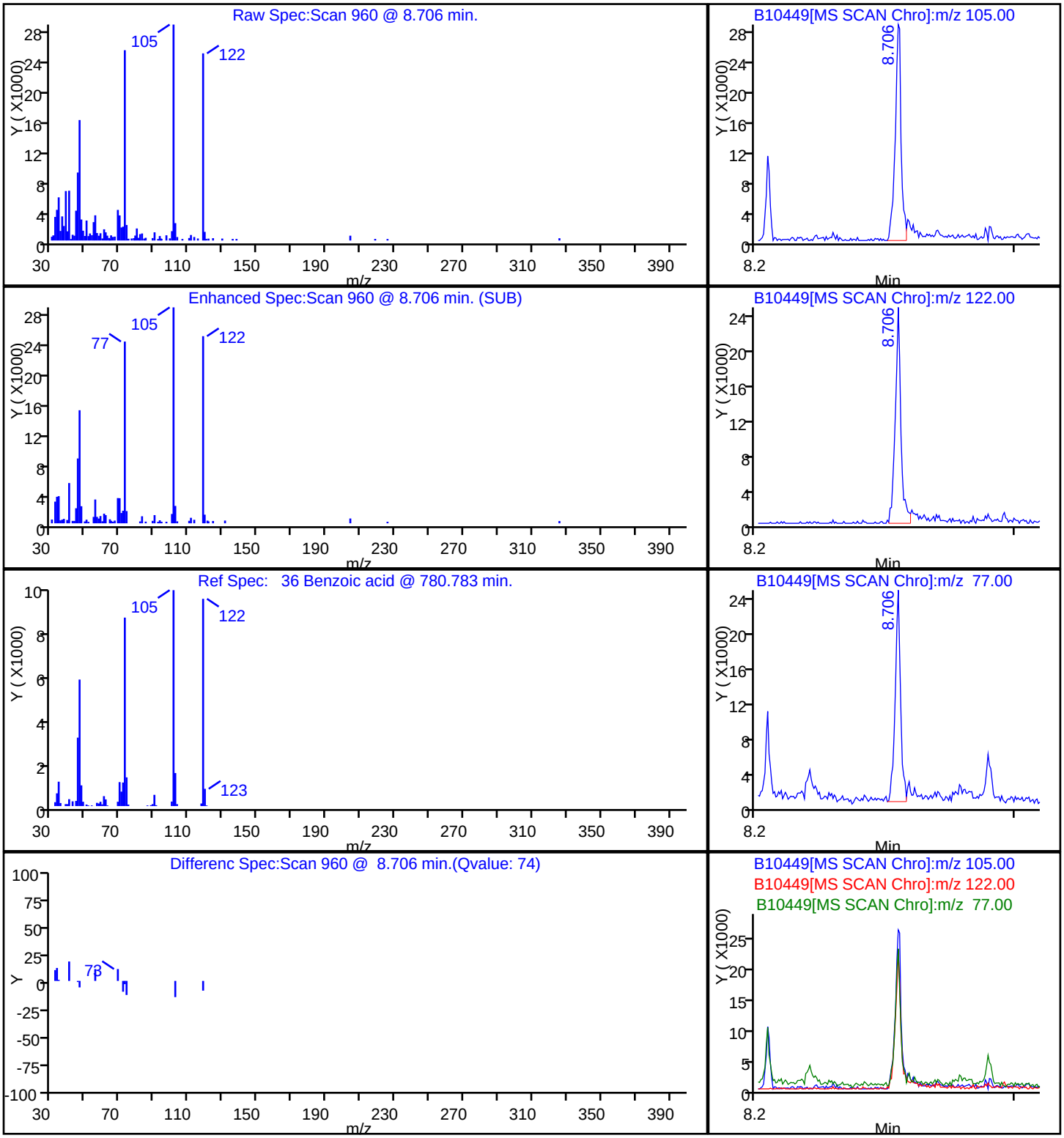
Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D		
Inj Date:	21-Sep-2009 20:33:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	12
Client ID:		Instrument:	Inst. B
Sample Info:	mb 360-48742/1-a		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 22-Sep-2009 11:09:18 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D		
Inj Date:	21-Sep-2009 20:33:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	12
Client ID:		Instrument:	Inst. B
Sample Info:	mb 360-48742/1-a		
Sample Amount:	1.00 ul	Operator:	MZ

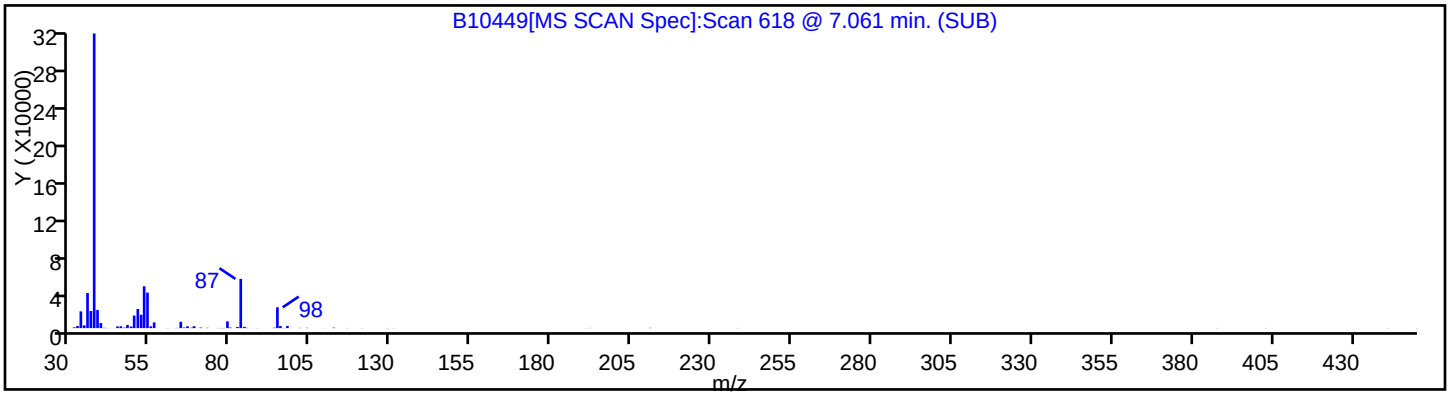
36 Benzoic acid



Report Date: 22-Sep-2009 11:09:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D		
Inj Date:	21-Sep-2009 20:33:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	12
Client ID:		Instrument:	Inst. B
Sample Info:	mb 360-48742/1-a		
Sample Amount:	1.00 ul	Operator:	MZ

No Library Matches Found above the Threshold: 85



Report Date: 22-Sep-2009 11:09:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D

Inj Date: 21-Sep-2009 20:33:30 Limit Group: SMS - 8270LL SVOA Calibration

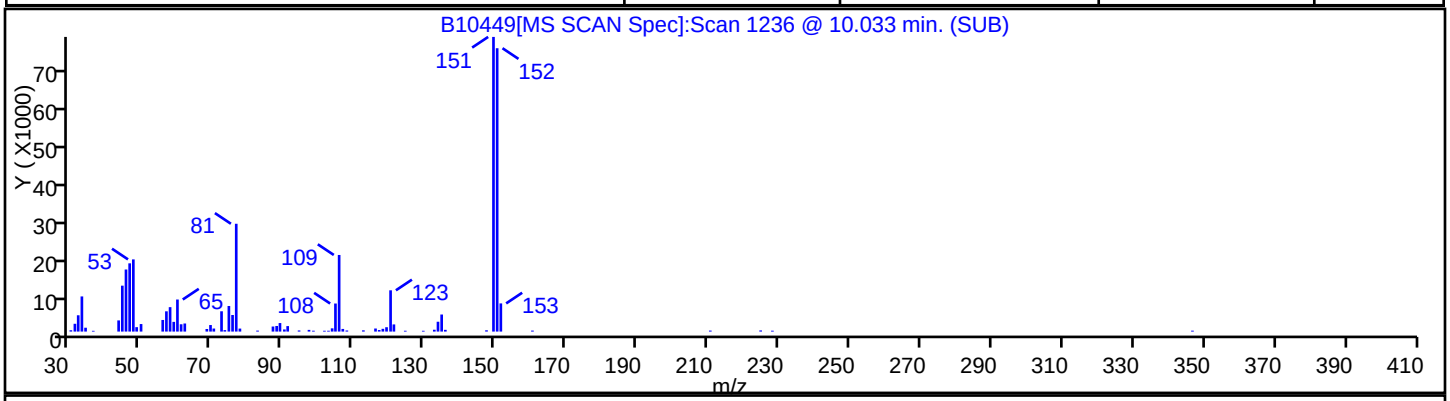
Lims Batch ID: 49265 Lims Sample ID: 12

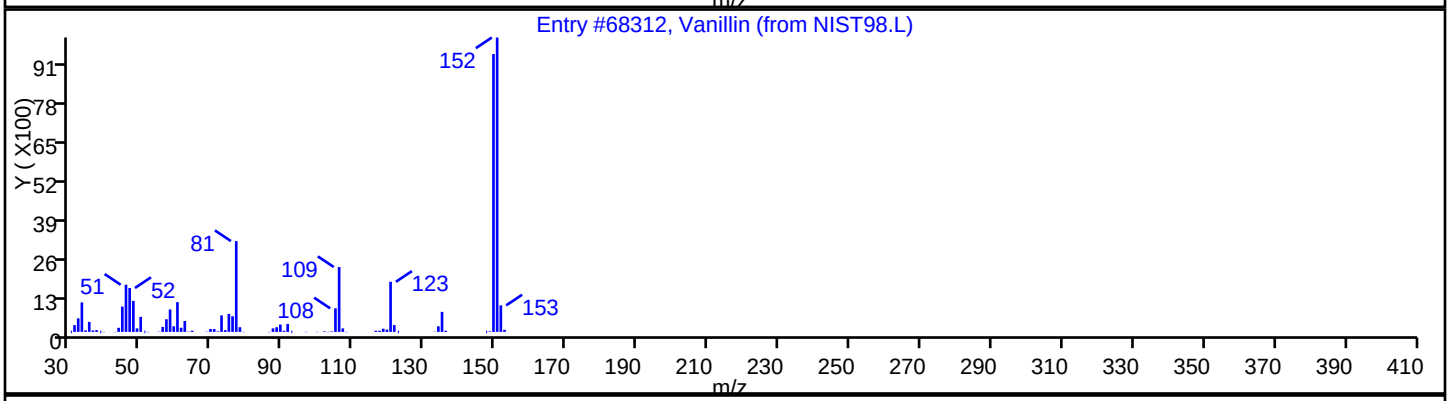
Client ID: Instrument: Inst. B

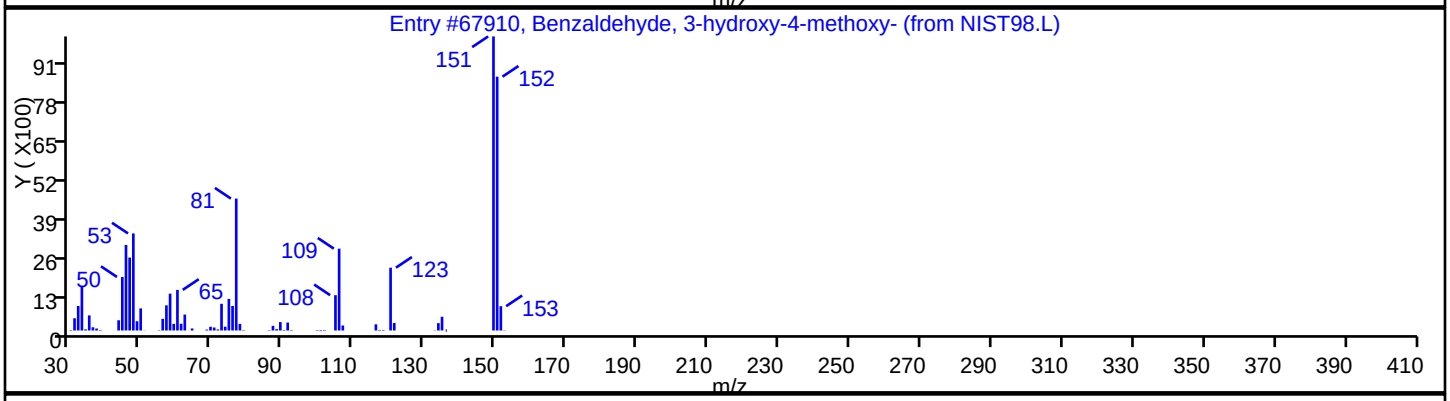
Sample Info: mb 360-48742/1-a

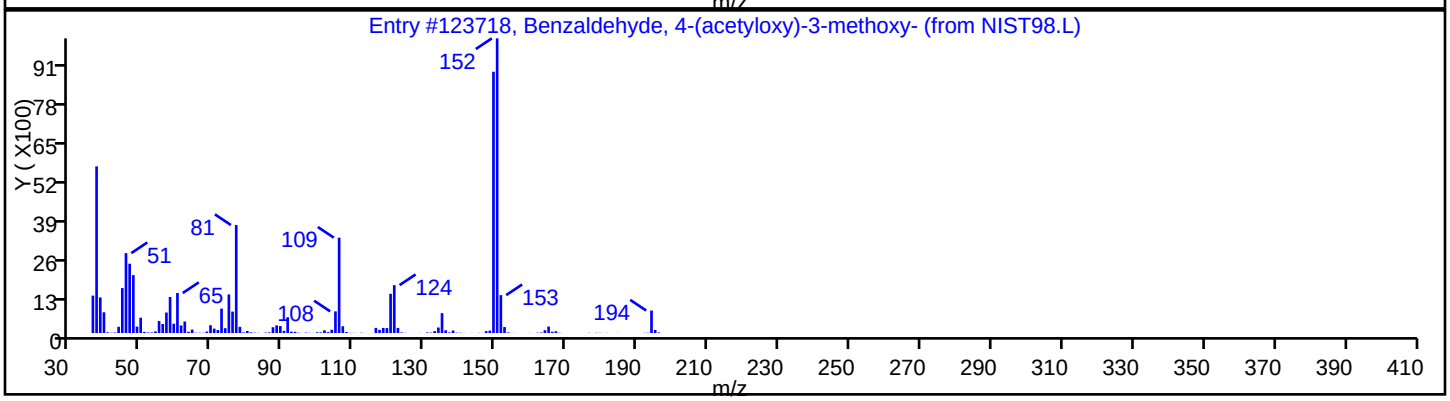
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Vanillin	121-33-5	NIST98.L	68312	97
Benzaldehyde, 3-hydroxy-4-methoxy-	621-59-0	NIST98.L	67910	94
Benzaldehyde, 4-(acetyloxy)-3-methoxy-	881-68-5	NIST98.L	123718	72









Report Date: 22-Sep-2009 11:09:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D

Inj Date: 21-Sep-2009 20:33:30 Limit Group: SMS - 8270LL SVOA Calibration

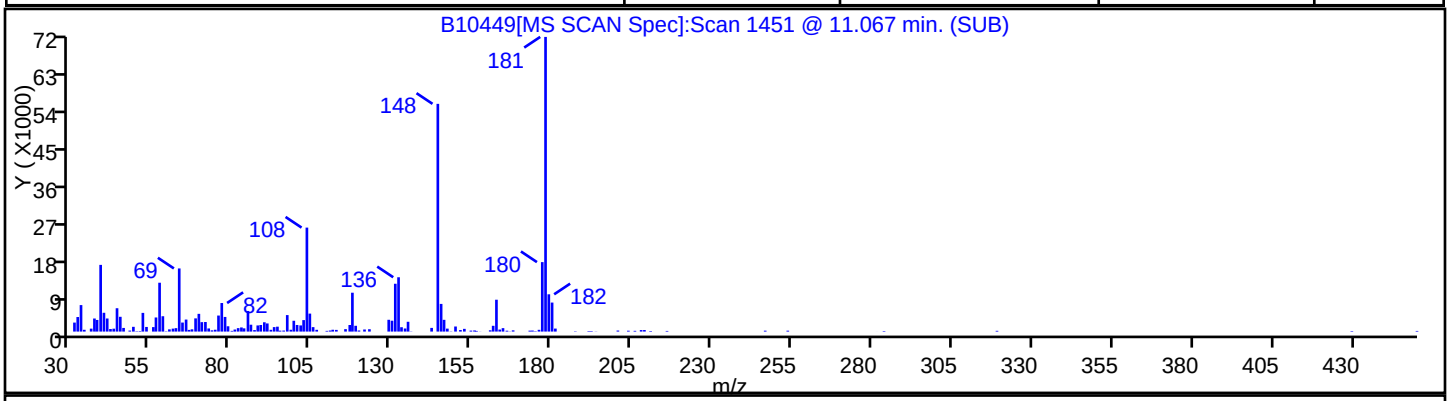
Lims Batch ID: 49265 Lims Sample ID: 12

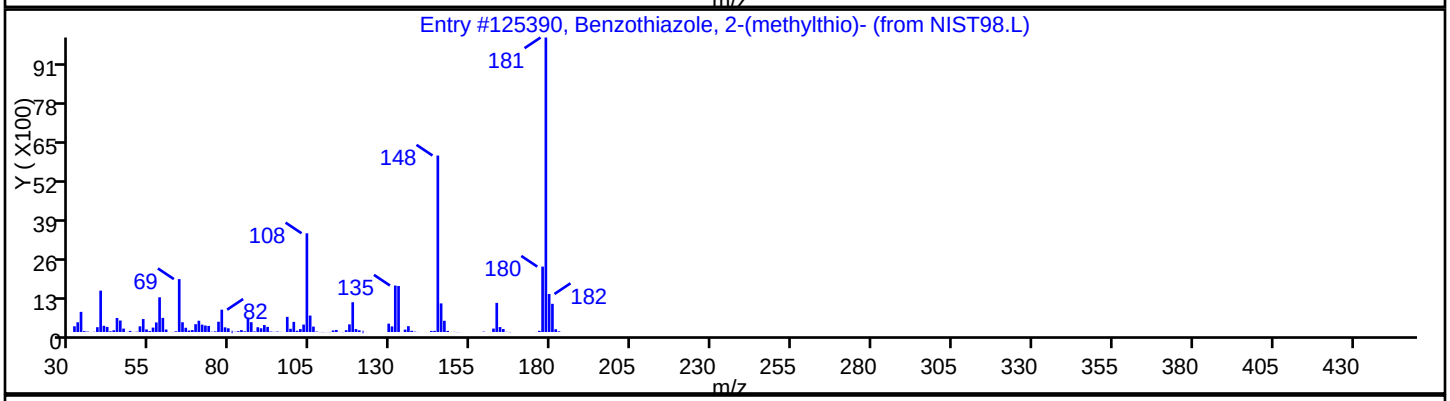
Client ID: Instrument: Inst. B

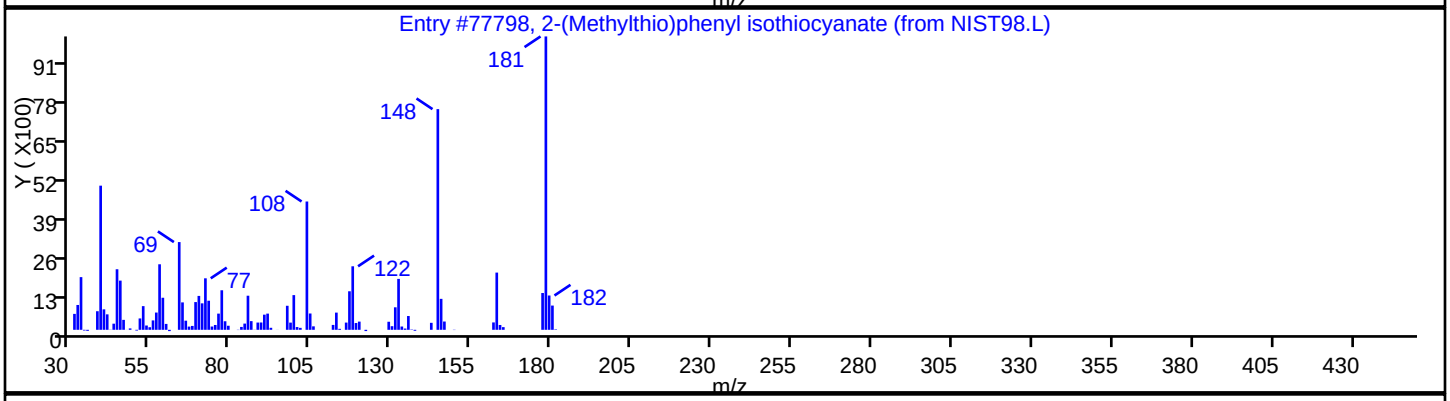
Sample Info: mb 360-48742/1-a

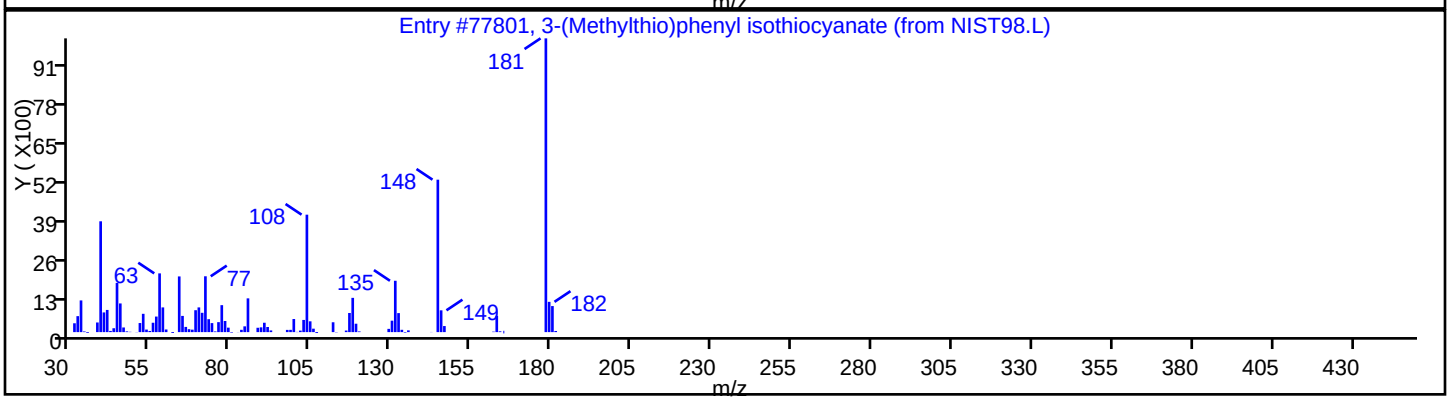
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzothiazole, 2-(methylthio)-	615-22-5	NIST98.L	125390	99
2-(Methylthio)phenyl isothiocyanate	51333-75-6	NIST98.L	77798	80
3-(Methylthio)phenyl isothiocyanate	51333-80-3	NIST98.L	77801	64









Report Date: 22-Sep-2009 11:09:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D

Inj Date: 21-Sep-2009 20:33:30 Limit Group: SMS - 8270LL SVOA Calibration

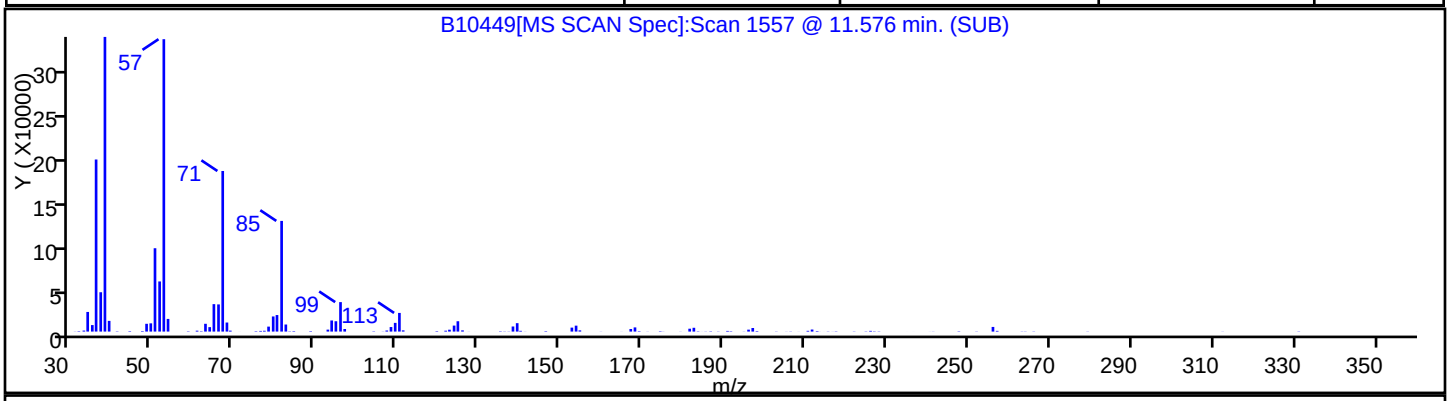
Lims Batch ID: 49265 Lims Sample ID: 12

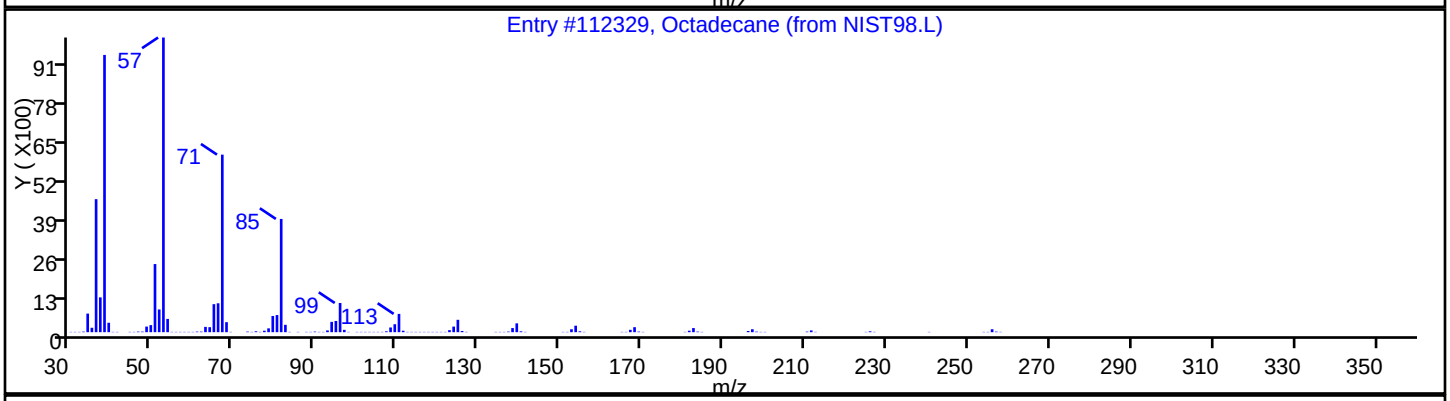
Client ID: Instrument: Inst. B

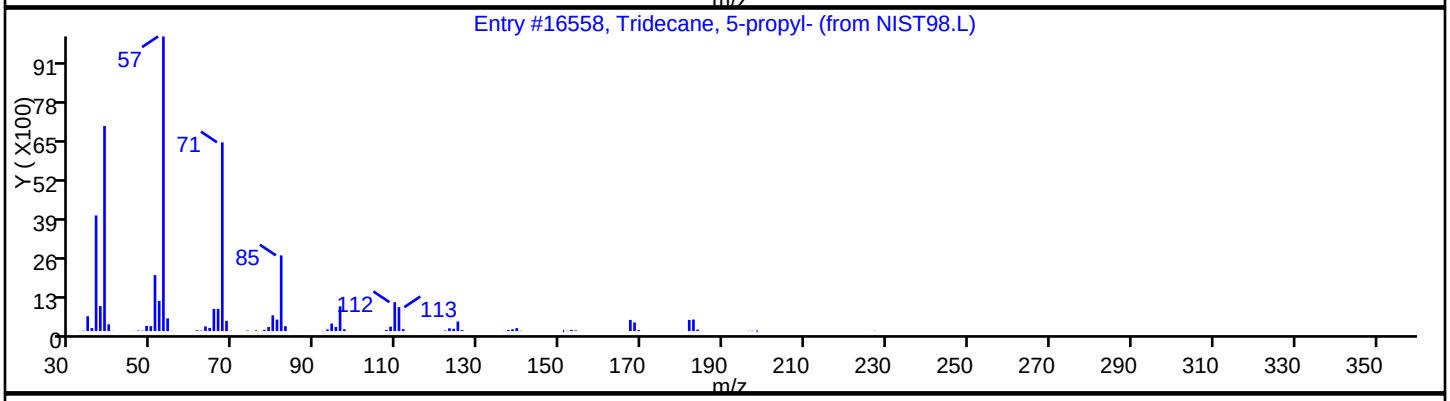
Sample Info: mb 360-48742/1-a

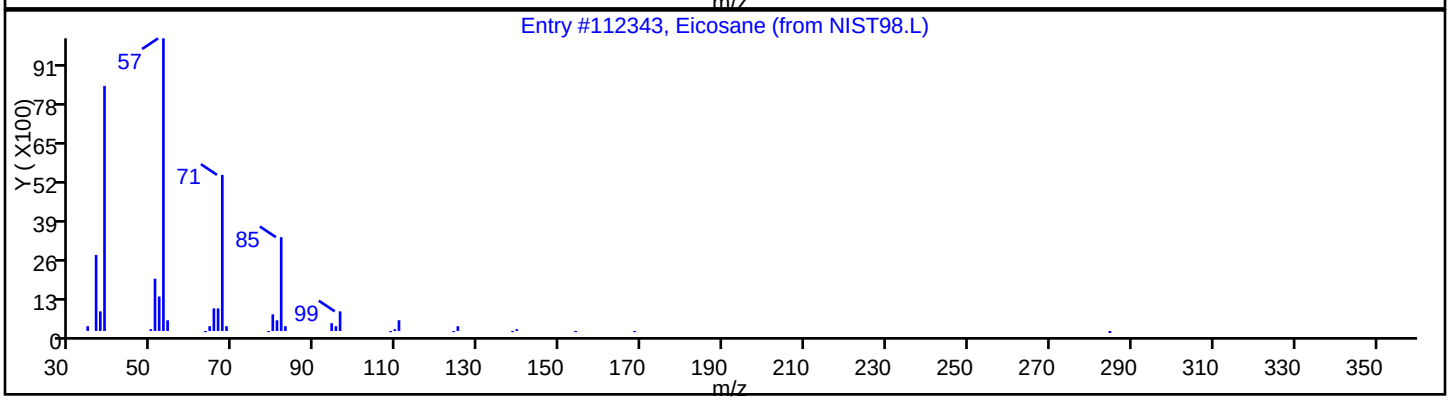
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane	593-45-3	NIST98.L	112329	98
Tridecane, 5-propyl-	55045-11-9	NIST98.L	16558	91
Eicosane	112-95-8	NIST98.L	112343	91









Report Date: 22-Sep-2009 11:09:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D

Inj Date: 21-Sep-2009 20:33:30 Limit Group: SMS - 8270LL SVOA Calibration

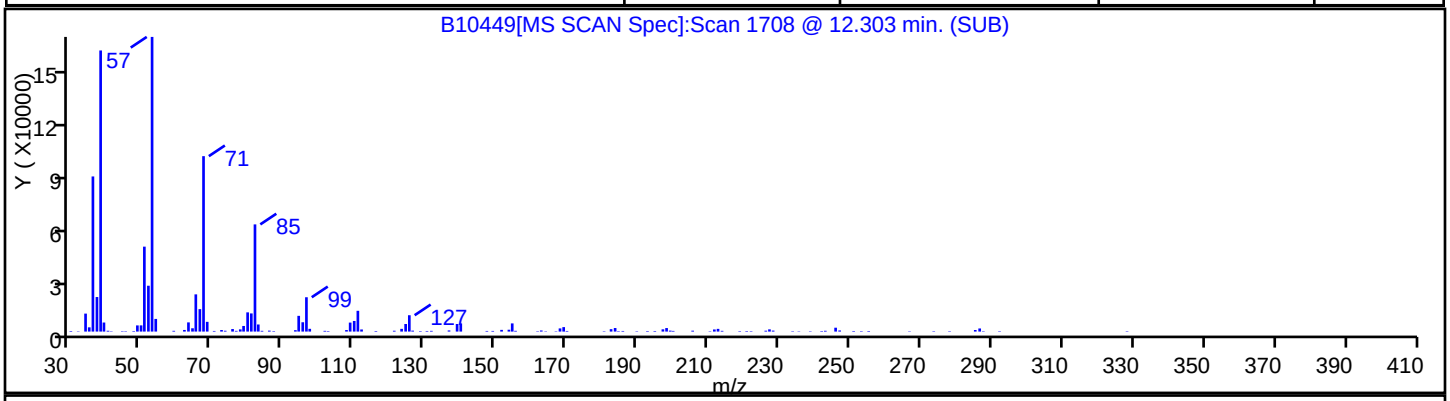
Lims Batch ID: 49265 Lims Sample ID: 12

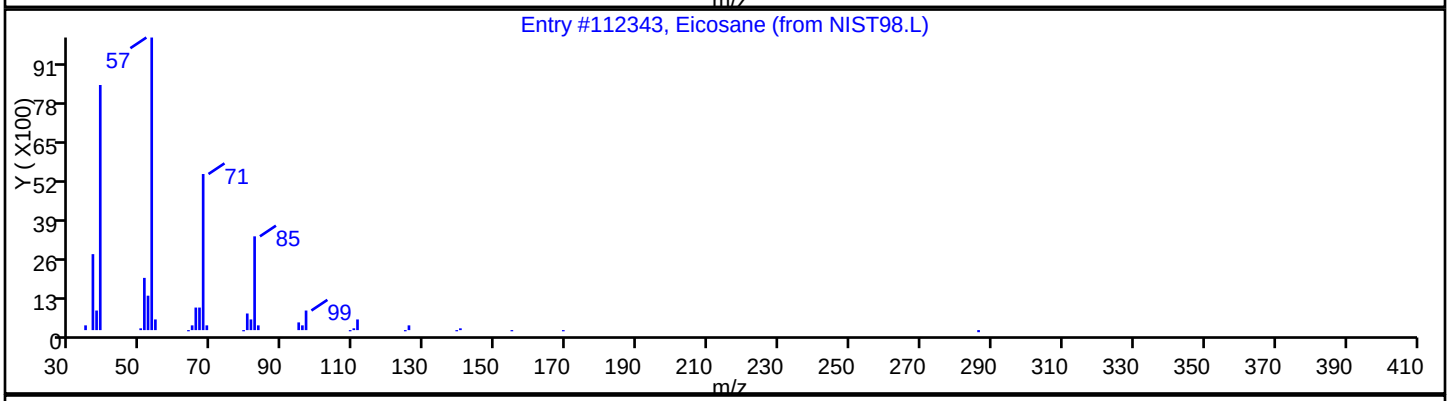
Client ID: Instrument: Inst. B

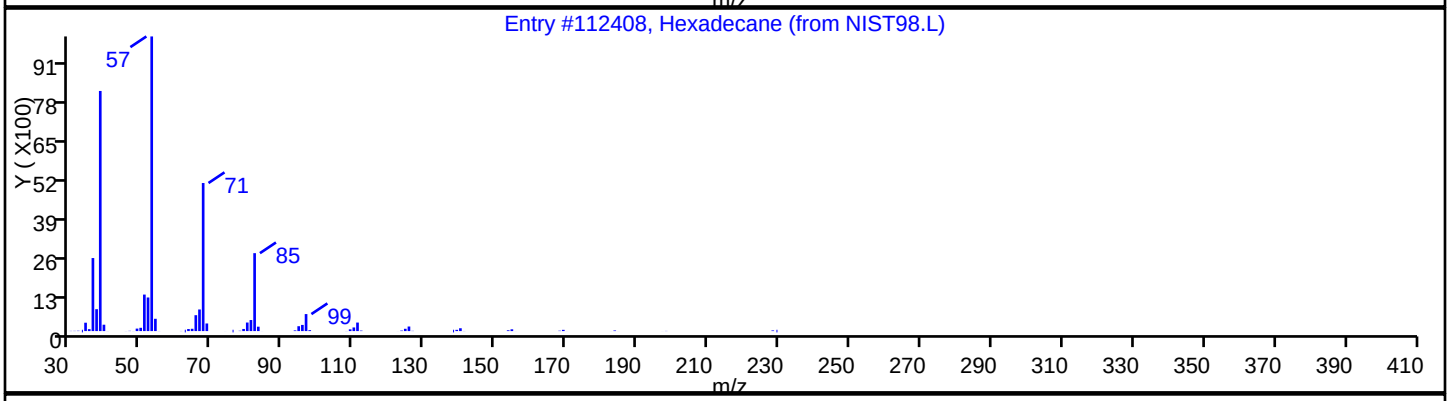
Sample Info: mb 360-48742/1-a

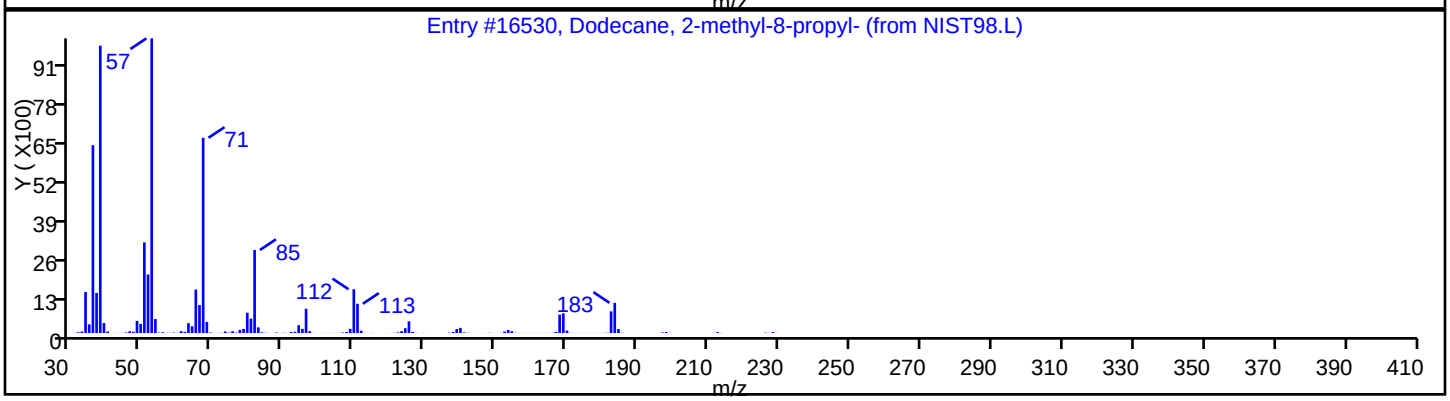
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane	112-95-8	NIST98.L	112343	98
Hexadecane	544-76-3	NIST98.L	112408	94
Dodecane, 2-methyl-8-propyl-	55045-7-3	NIST98.L	16530	93









Report Date: 22-Sep-2009 11:09:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D

Inj Date: 21-Sep-2009 20:33:30 Limit Group: SMS - 8270LL SVOA Calibration

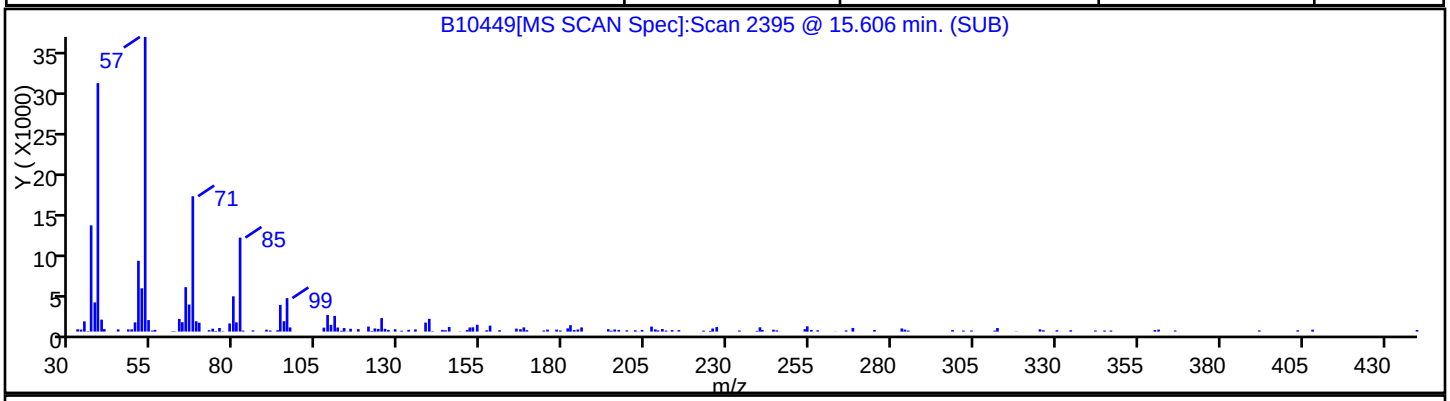
Lims Batch ID: 49265 Lims Sample ID: 12

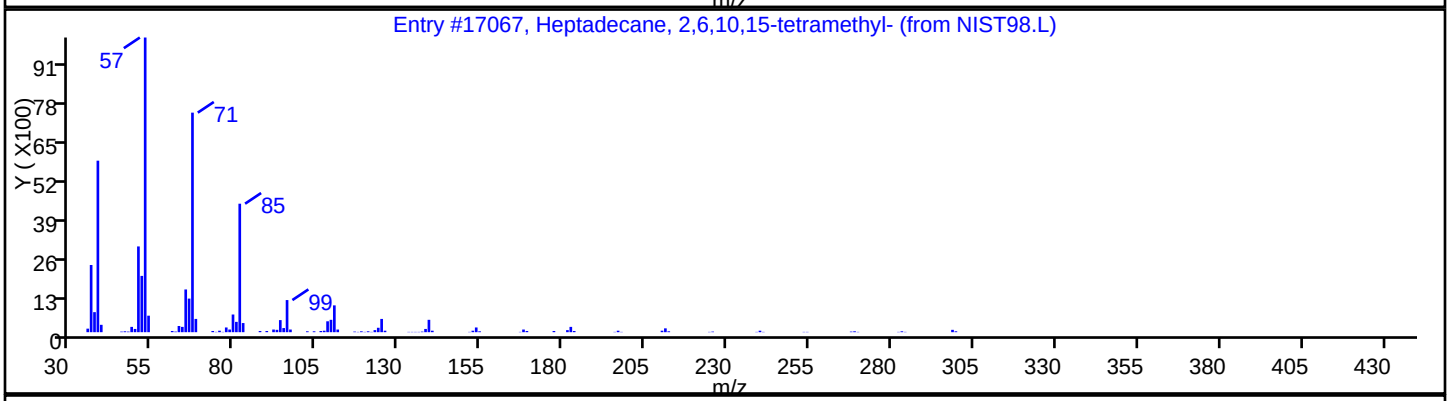
Client ID: Instrument: Inst. B

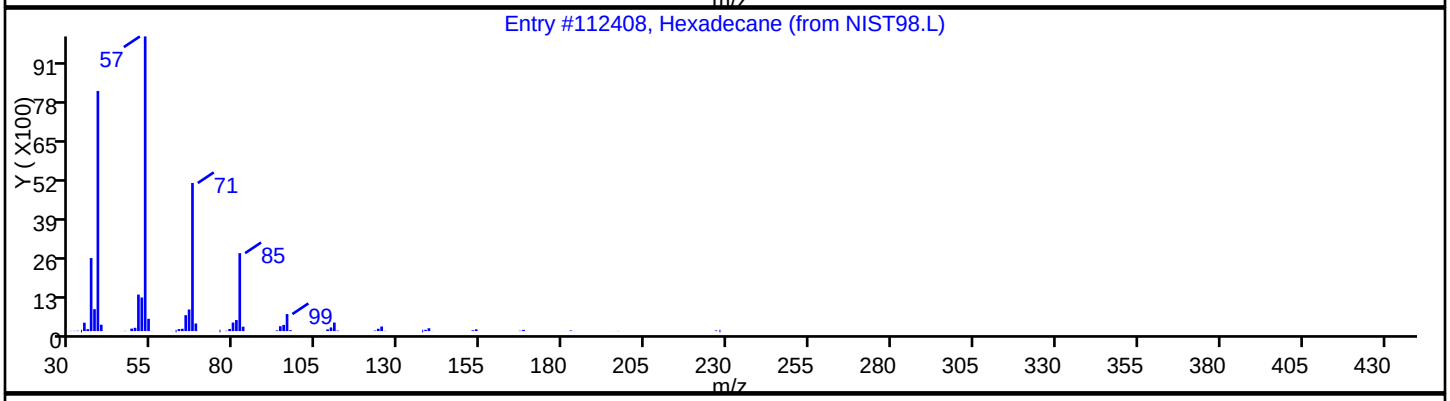
Sample Info: mb 360-48742/1-a

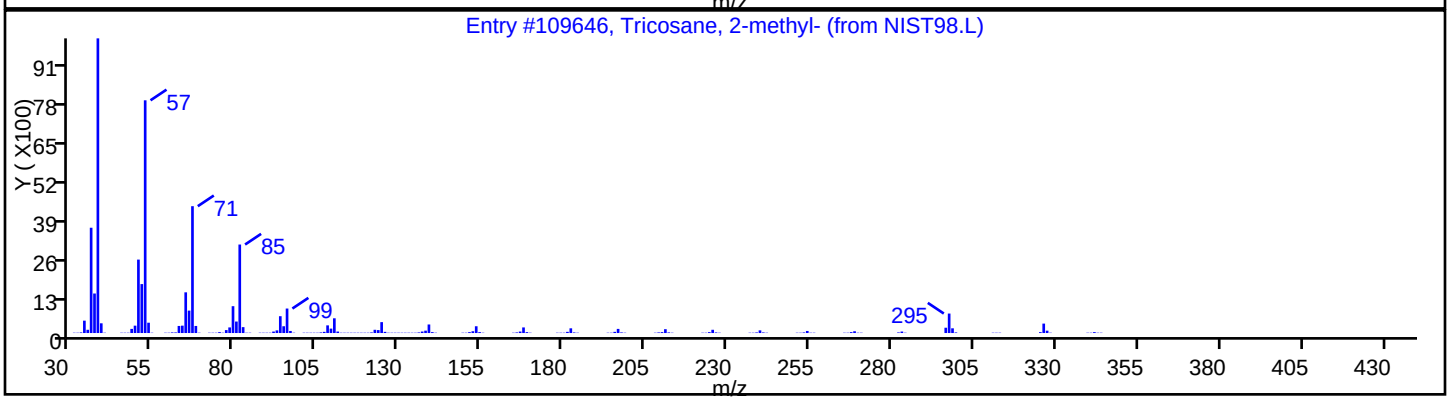
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NIST98.L	17067	93
Hexadecane	544-76-3	NIST98.L	112408	93
Tricosane, 2-methyl-	1928-30-9	NIST98.L	109646	93









Report Date: 22-Sep-2009 11:09:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D

Inj Date: 21-Sep-2009 20:33:30 Limit Group: SMS - 8270LL SVOA Calibration

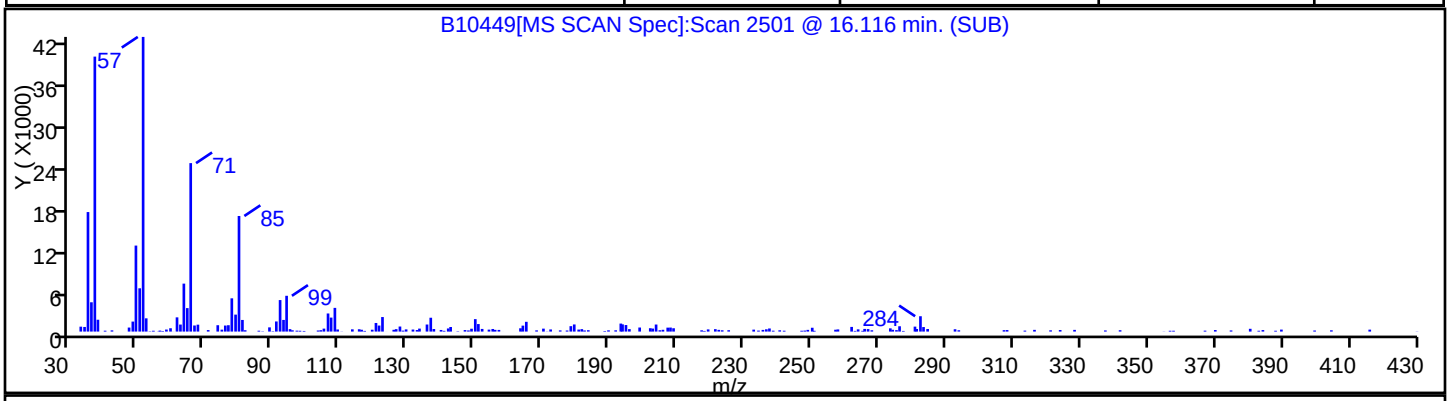
Lims Batch ID: 49265 Lims Sample ID: 12

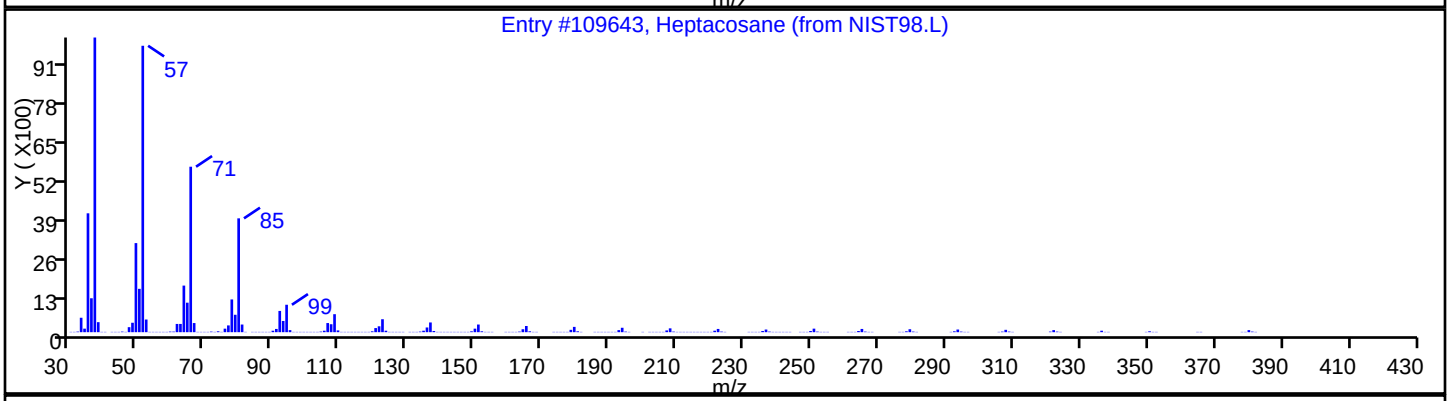
Client ID: Instrument: Inst. B

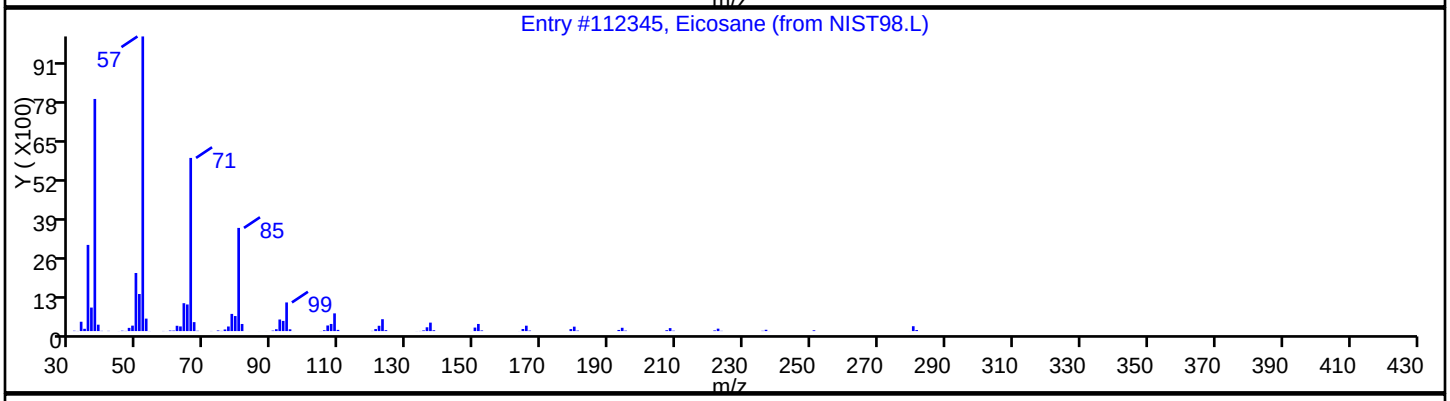
Sample Info: mb 360-48742/1-a

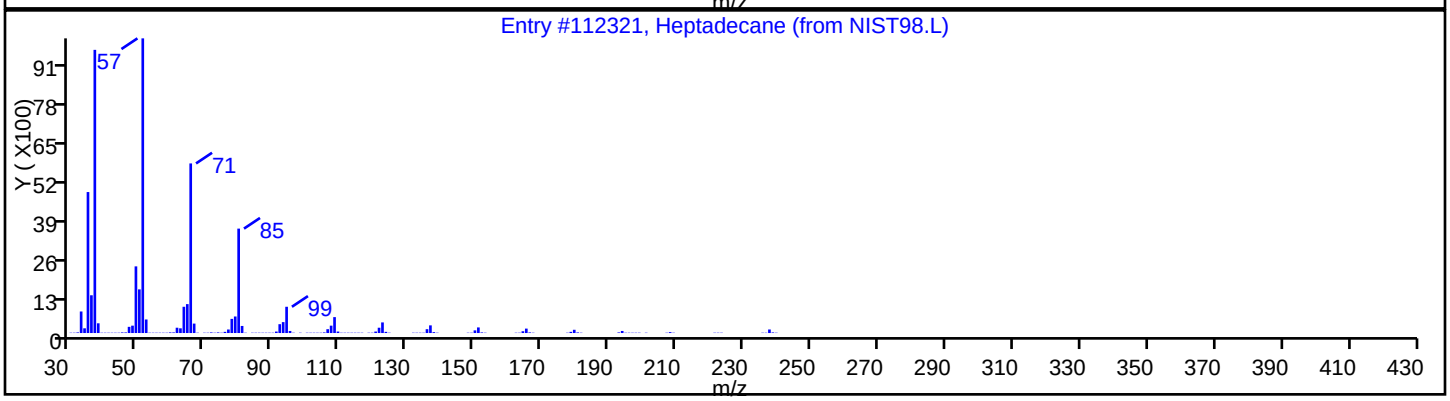
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptacosane	593-49-7	NIST98.L	109643	99
Eicosane	112-95-8	NIST98.L	112345	97
Heptadecane	629-78-7	NIST98.L	112321	95









Report Date: 22-Sep-2009 11:09:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D

Inj Date: 21-Sep-2009 20:33:30 Limit Group: SMS - 8270LL SVOA Calibration

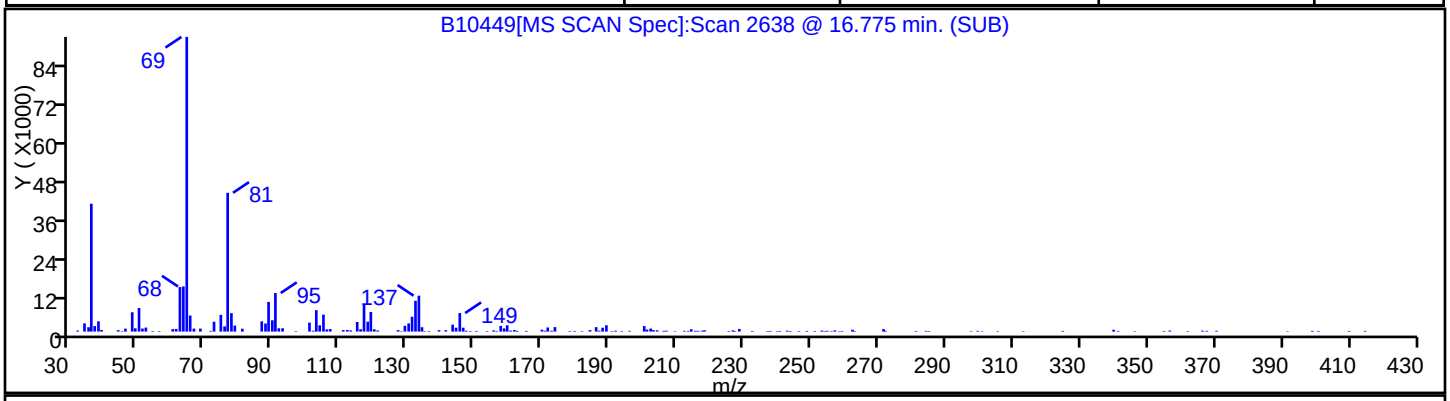
Lims Batch ID: 49265 Lims Sample ID: 12

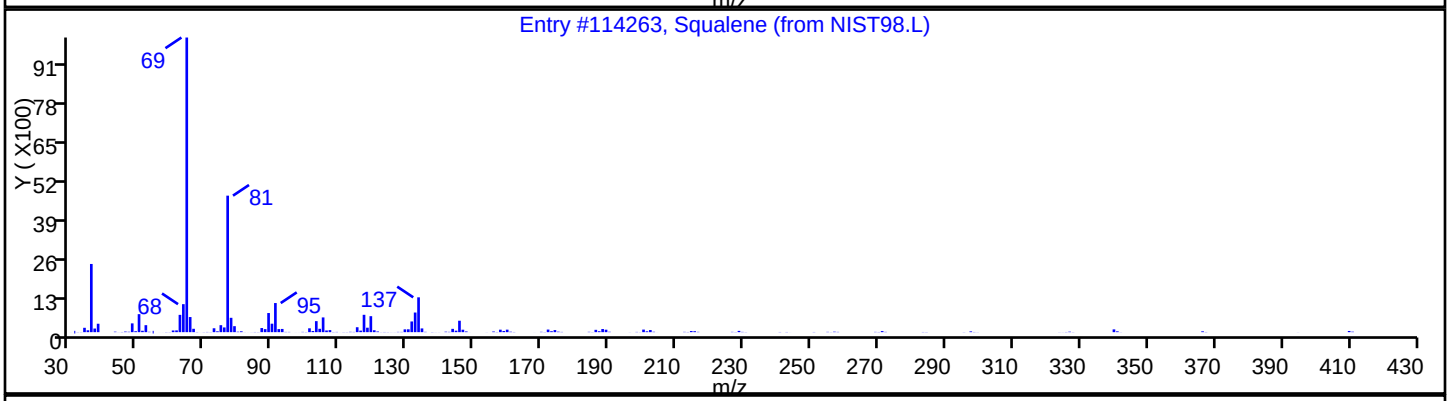
Client ID: Instrument: Inst. B

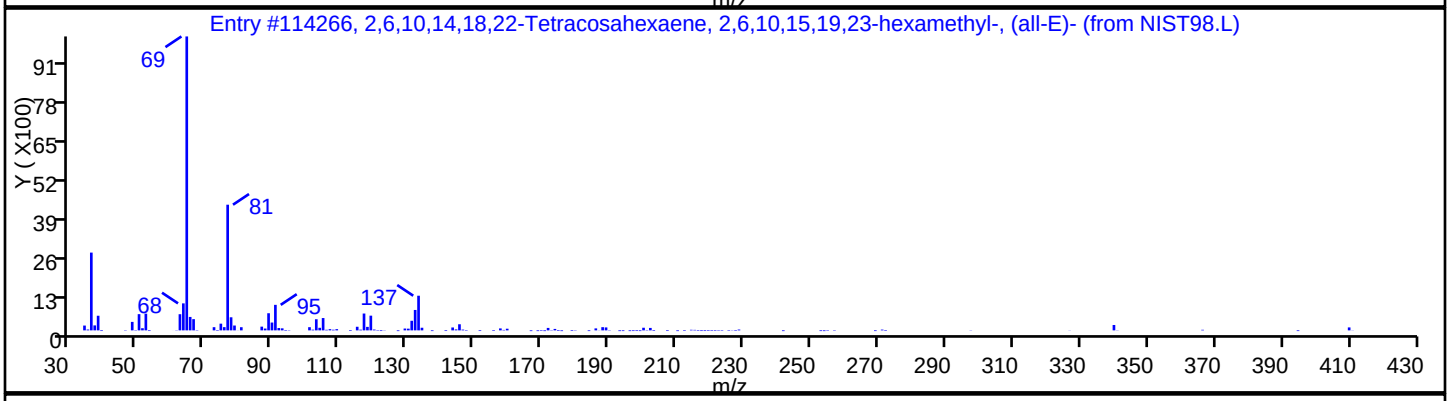
Sample Info: mb 360-48742/1-a

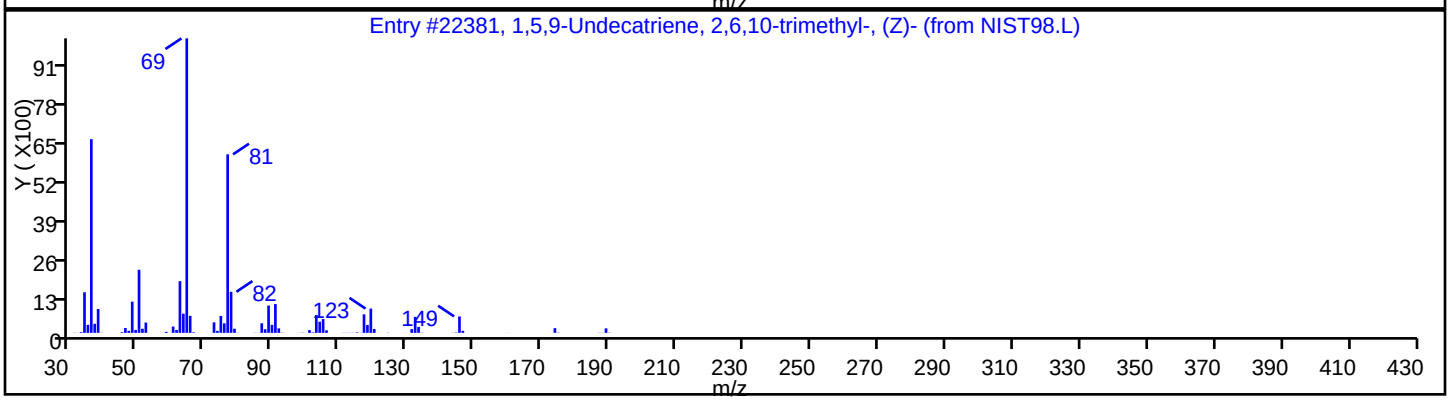
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Squalene	7683-64-9	NIST98.L	114263	91
2,6,10,14,18,22-Tetracosahexaene, 2,6,10	111-2-4	NIST98.L	114266	91
1,5,9-Undecatriene, 2,6,10-trimethyl-, (	62951-96-6	NIST98.L	22381	83









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: | Lab Sample ID: MB 360-48924/1-A

Matrix: Solid | Lab File ID: J03050.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/14/2009 13:00

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 19:53

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.: 49259 | 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.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: | Lab Sample ID: MB 360-48924/1-A

Matrix: Solid | Lab File ID: J03050.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/14/2009 13:00

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 19:53

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.: 49259 | 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	ND		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	19.4	J	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	82.2		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.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: | Lab Sample ID: MB 360-48924/1-A

Matrix: Solid | Lab File ID: J03050.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/14/2009 13:00

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 19:53

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.: 49259 | 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	78	30-130	
321-60-8	2-Fluorobiphenyl	79	30-130	
367-12-4	2-Fluorophenol	88	30-130	
4165-60-0	Nitrobenzene-d5	78	30-130	
4165-62-2	Phenol-d5	93	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.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: | Lab Sample ID: MB 360-48924/1-A

Matrix: Solid | Lab File ID: J03050.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/14/2009 13:00

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 19:53

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.: 49259 | Units: ug/Kg

Number TICs Found: 5 | TIC Result Total: 73.6

CAS NO.	COMPOUND NAME	RT	RESULT	Q
121-33-5	Vanillin	8.88	13.3	T J N
111-82-0	Dodecanoic acid, methyl ester	9.51	10.8	T J N
544-76-3	Hexadecane	9.88	22.6	T J N
112-95-8	Eicosane	11.61	15.9	T J N
593-45-3	Octadecane	12.36	11.0	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03050.D		
Lims ID:	MB 360-48924/1-A	Client ID:	
Inject. Date:	21-Sep-2009 19:53:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-48924/1-a		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49259	Lims Sample ID:	12
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 14:52:10	Calib Date:	21-Sep-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	23-Sep-2009 14:52:10

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	6.302	6.296	0.006	71419	2.00	
* 2 Naphthalene-d8	136	7.639	7.637	0.002	180351	2.00	
* 3 Acenaphthene-d10	164	9.370	9.369	0.001	86657	2.00	
* 4 Phenanthrene-d10	188	10.803	10.802	0.001	139571	2.00	
* 5 Chrysene-d12	240	13.371	13.369	0.002	94839	2.00	
* 6 Perylene-d12	264	14.708	14.706	0.002	66978	2.00	
$ 7 2-Fluorophenol	112	4.494	4.430	0.064	204338	8.82	
$ 8 Phenol-d5	99	5.970	5.959	0.011	246637	9.27	
$ 9 Nitrobenzene-d5	82	6.917	6.916	0.001	109826	3.91	
$ 10 2-Fluorobiphenyl	172	8.735	8.734	0.001	216608	3.94	
$ 11 2,4,6-Tribromophenol	330	10.139	10.136	0.003	49585	7.76	
$ 12 Terphenyl-d14	244	12.385	12.386	-0.001	174036	4.32	
30 Acetophenone	105	6.773	6.767	0.006	923	0.0310	
66 Diethyl phthalate	149	9.841	9.845	-0.004	2160	0.0412	
80 Phenanthrene	178	10.827	10.826	0.001	1279	0.0181	
84 Di-n-butyl phthalate	149	11.442	11.446	-0.004	209645	2.47	
92 Bis(2-ethylhexyl) phthalate	149	13.481	13.476	0.005	21830	0.5810	
97 Benzo[b]fluoranthene	252	14.366	14.365	0.001	2208	0.0537	
99 Benzo[a]pyrene	252	14.655	14.653	0.002	1312	0.1599	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03050.D		
Lims ID:	MB 360-48924/1-A	Client ID:	
Inject. Date:	21-Sep-2009 19:53:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-48924/1-a		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49259	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 14:52:10	Calib Date:	21-Sep-2009 18:59:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 14:52:10

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
121-33-5 Vanillin						
8.884	76718	0.3986	3	98	123636	
111-82-0 Dodecanoic acid, methyl ester						
9.509	62602	0.3253	3	97	115462	
544-76-3 Hexadecane						
9.884	130476	0.6780	3	98	112410	
112-95-8 Eicosane						
11.606	152775	0.4784	4	96	112345	
593-45-3 Octadecane						
12.356	58730	0.3287	5	91	16439	

Quantitation Compounds

Compound	RT	Response	Amount ug/mL
* 3 Acenaphthene-d10	9.365	384907	2.00
* 4 Phenanthrene-d10	10.803	638723	2.00
* 5 Chrysene-d12	13.371	357312	2.00

QC Flag Legend

Processing Flags

Report Date: 23-Sep-2009 14:52:11 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03050.D

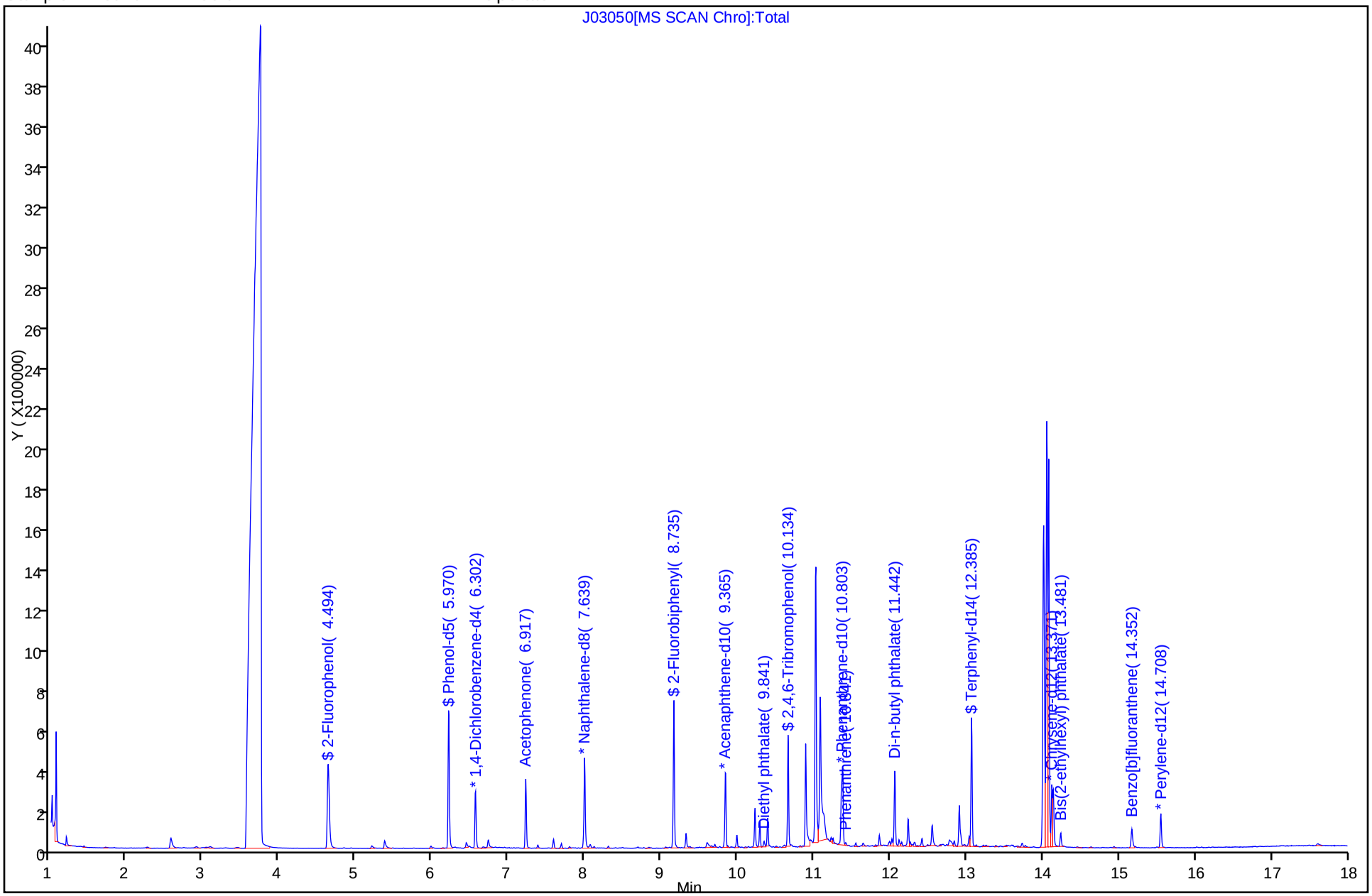
Inj Date: 21-Sep-2009 19:53:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 12

Client ID: Instrument: Inst. J

Sample Info: mb 360-48924/1-a

Sample Amount: 1.00 ul Operator:



Report Date: 23-Sep-2009 14:52:12 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03050.D

Inj Date: 21-Sep-2009 19:53:30 Limit Group: SMS - 8270LL SVOA Calibration

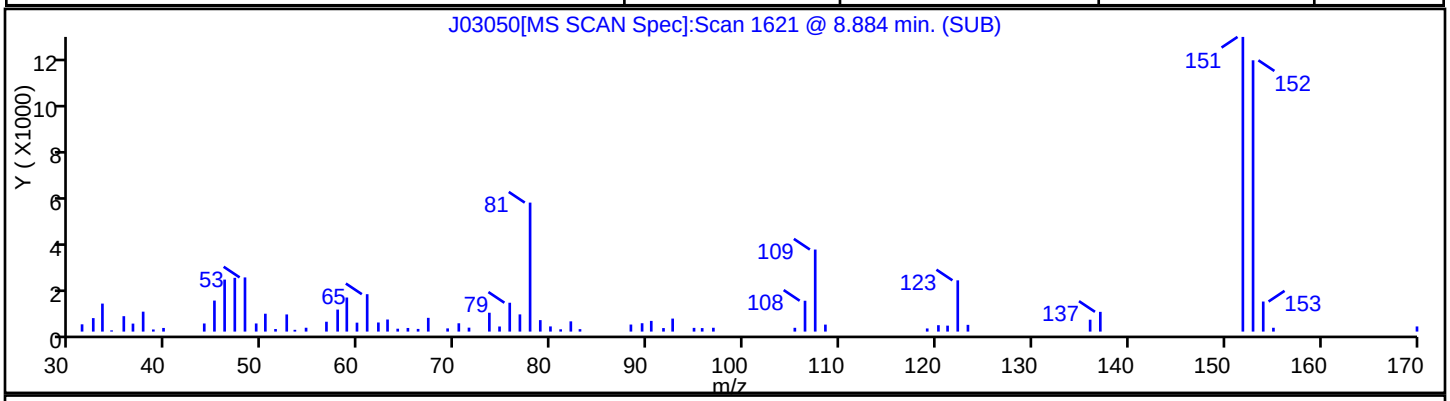
Lims Batch ID: 49259 Lims Sample ID: 12

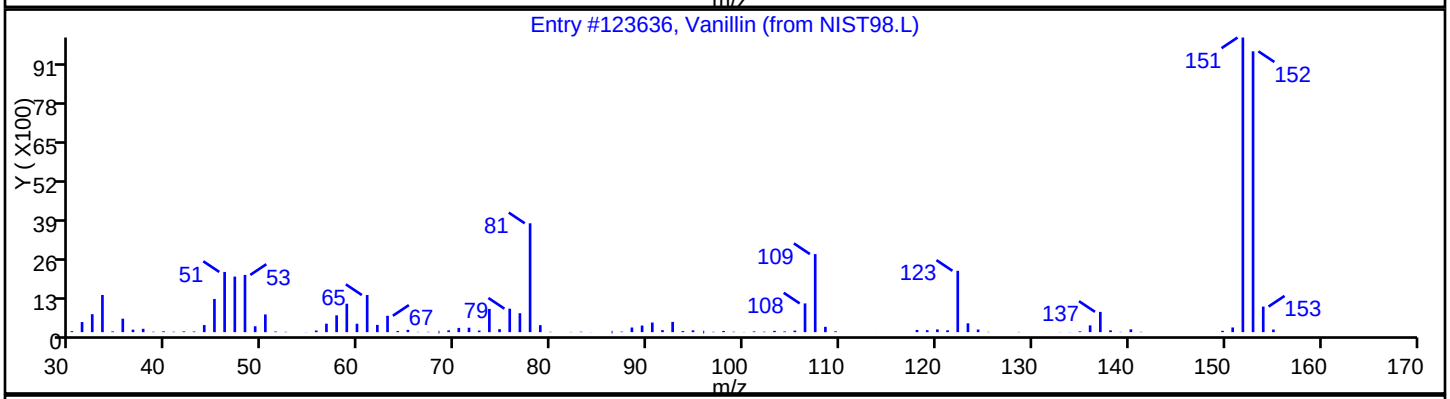
Client ID: Instrument: Inst. J

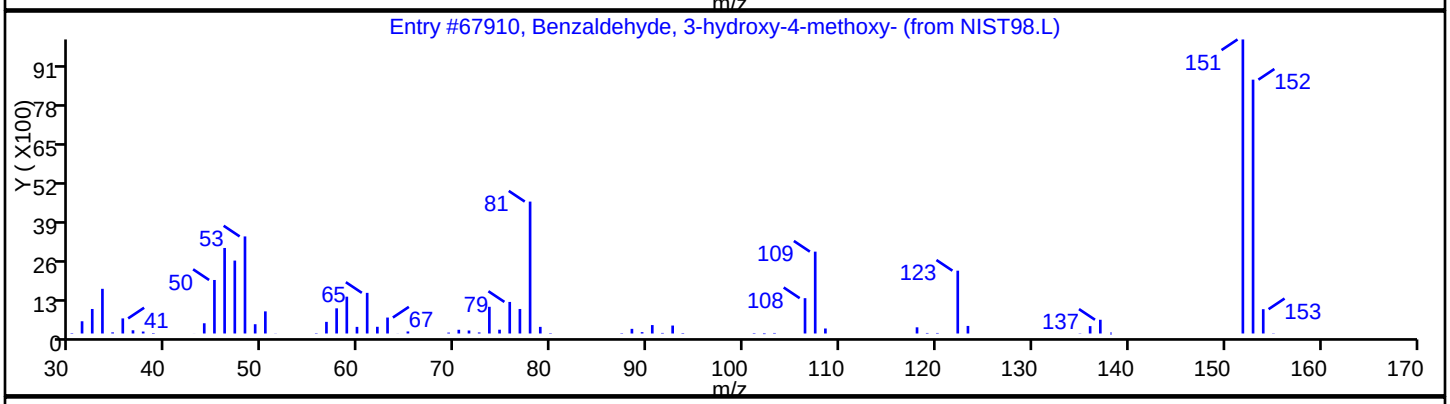
Sample Info: mb 360-48924/1-a

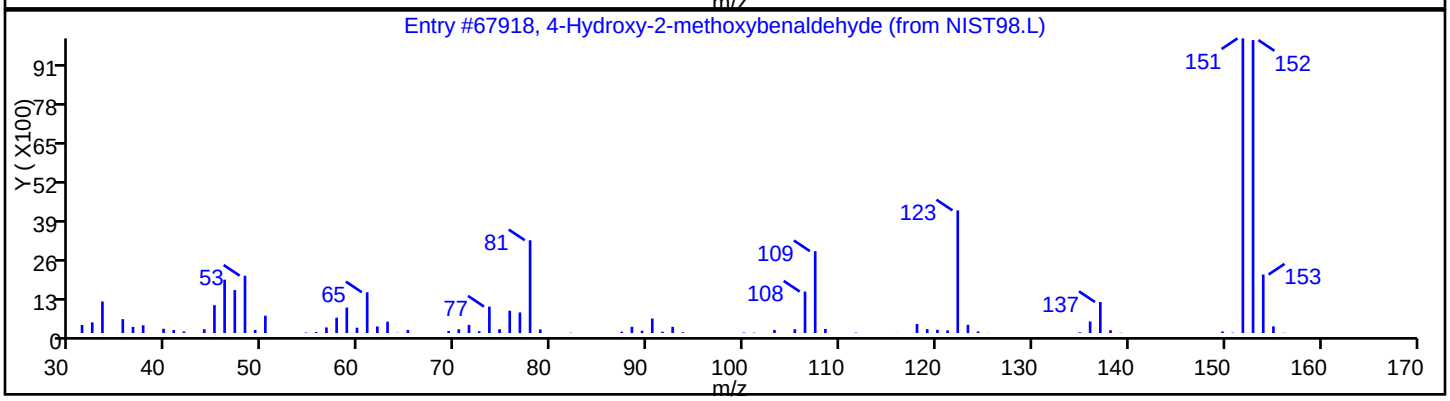
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Vanillin	121-33-5	NIST98.L	123636	98
Benzaldehyde, 3-hydroxy-4-methoxy-	621-59-0	NIST98.L	67910	95
4-Hydroxy-2-methoxybenaldehyde	18278-34-7	NIST98.L	67918	91









Report Date: 23-Sep-2009 14:52:12 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03050.D

Inj Date: 21-Sep-2009 19:53:30 Limit Group: SMS - 8270LL SVOA Calibration

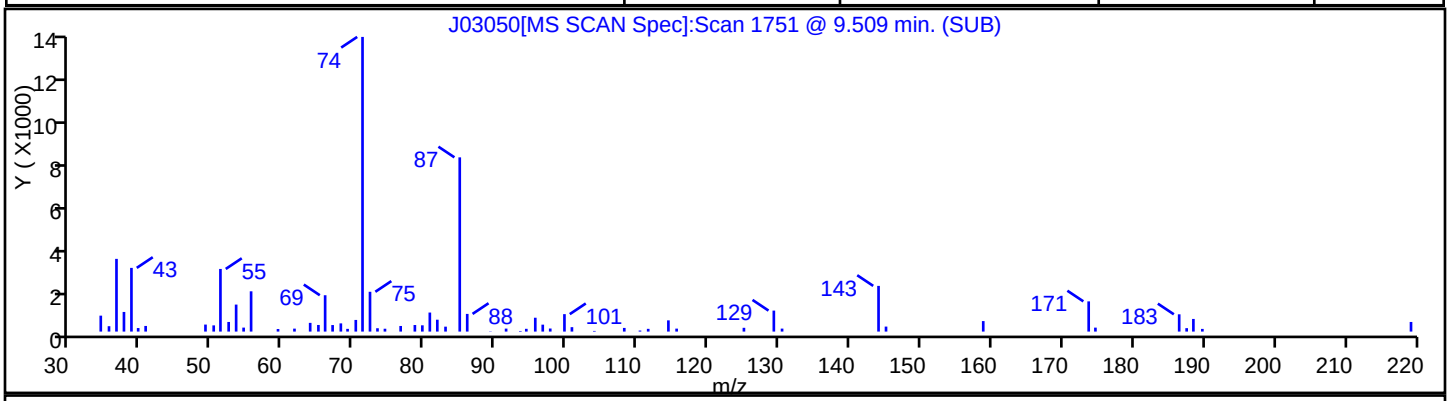
Lims Batch ID: 49259 Lims Sample ID: 12

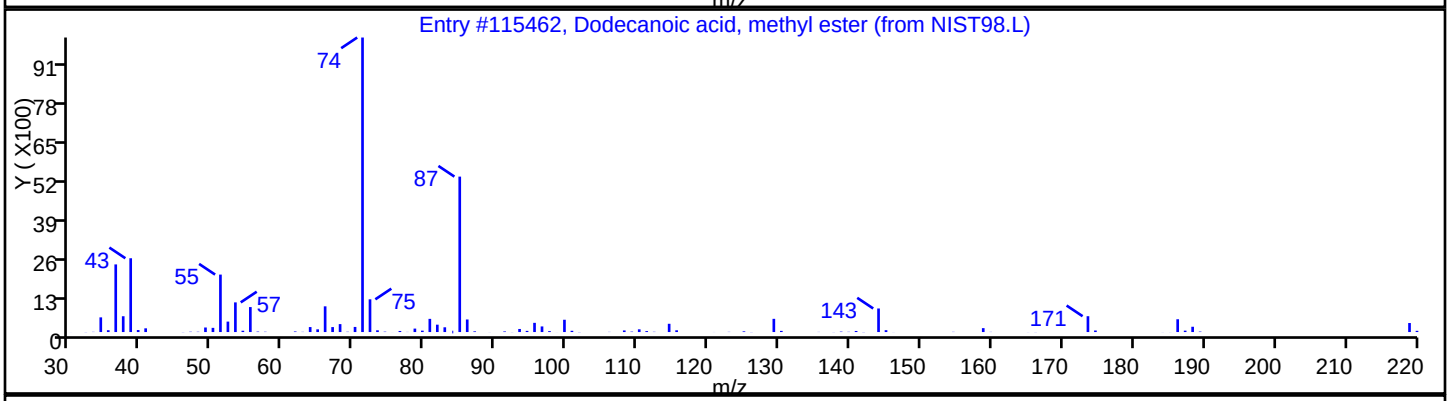
Client ID: Instrument: Inst. J

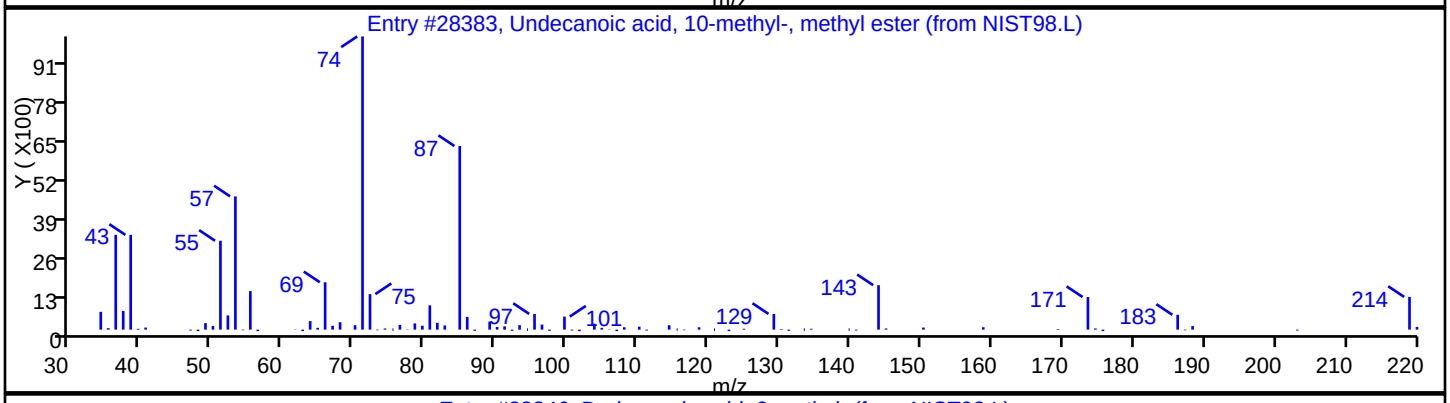
Sample Info: mb 360-48924/1-a

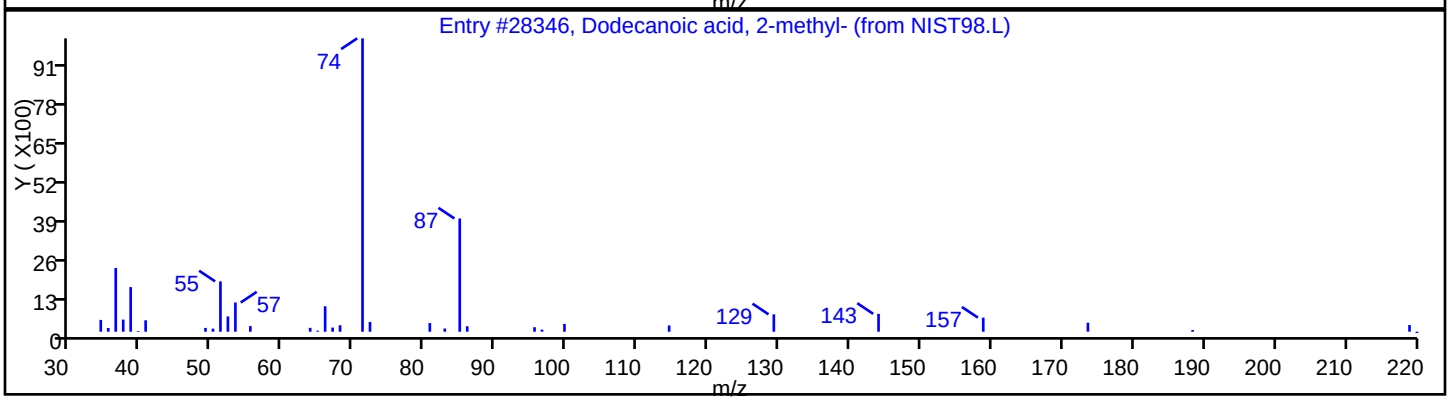
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Dodecanoic acid, methyl ester	111-82-0	NIST98.L	115462	97
Undecanoic acid, 10-methyl-, methyl este	5129-56-6	NIST98.L	28383	90
Dodecanoic acid, 2-methyl-	2874-74-0	NIST98.L	28346	87









Report Date: 23-Sep-2009 14:52:12 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03050.D

Inj Date: 21-Sep-2009 19:53:30 Limit Group: SMS - 8270LL SVOA Calibration

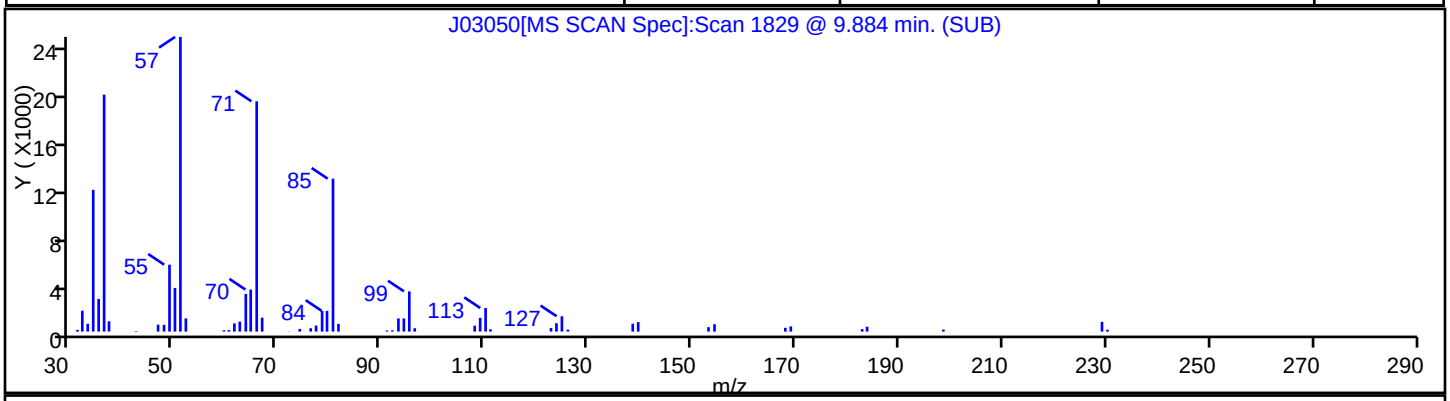
Lims Batch ID: 49259 Lims Sample ID: 12

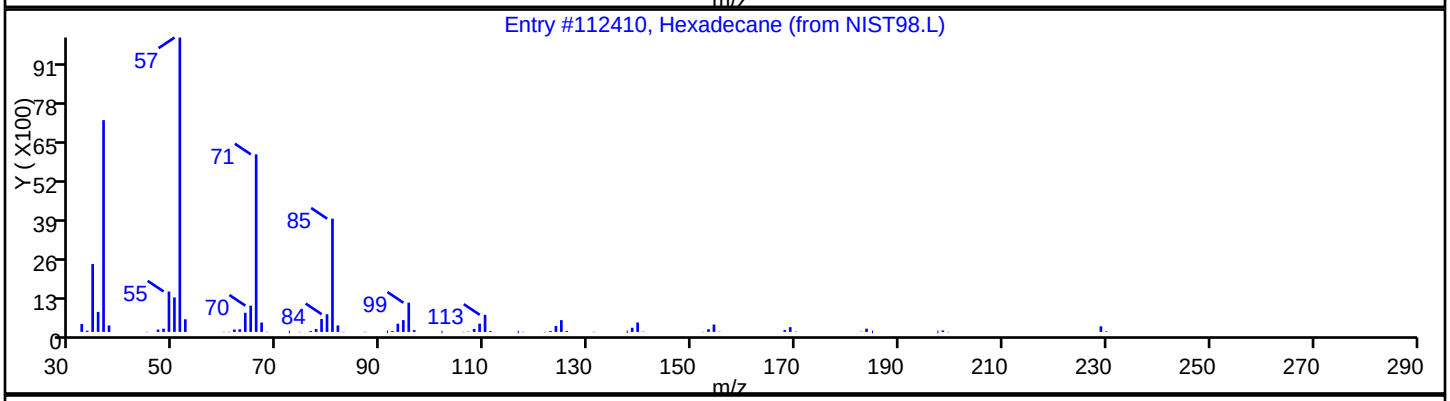
Client ID: Instrument: Inst. J

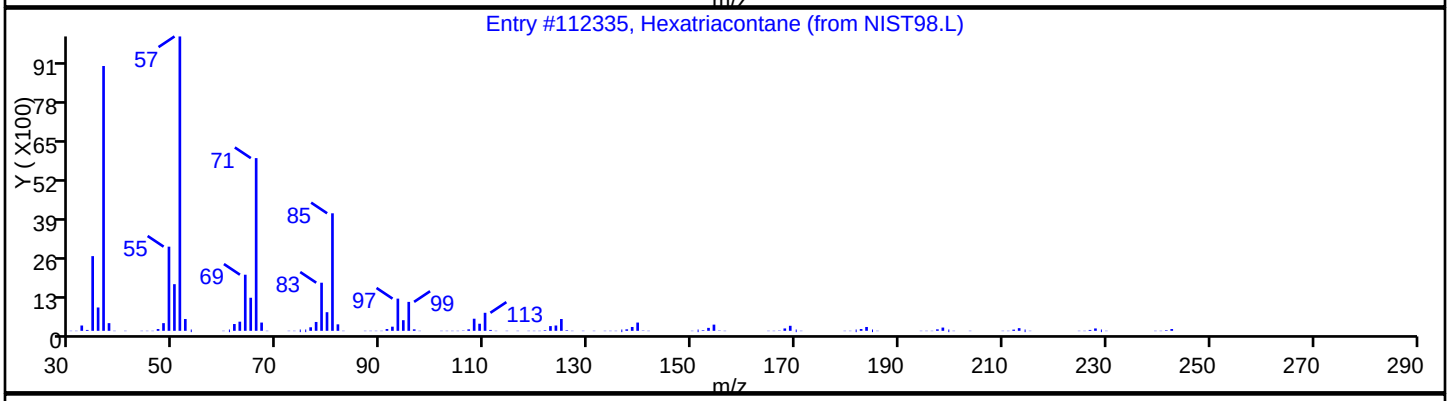
Sample Info: mb 360-48924/1-a

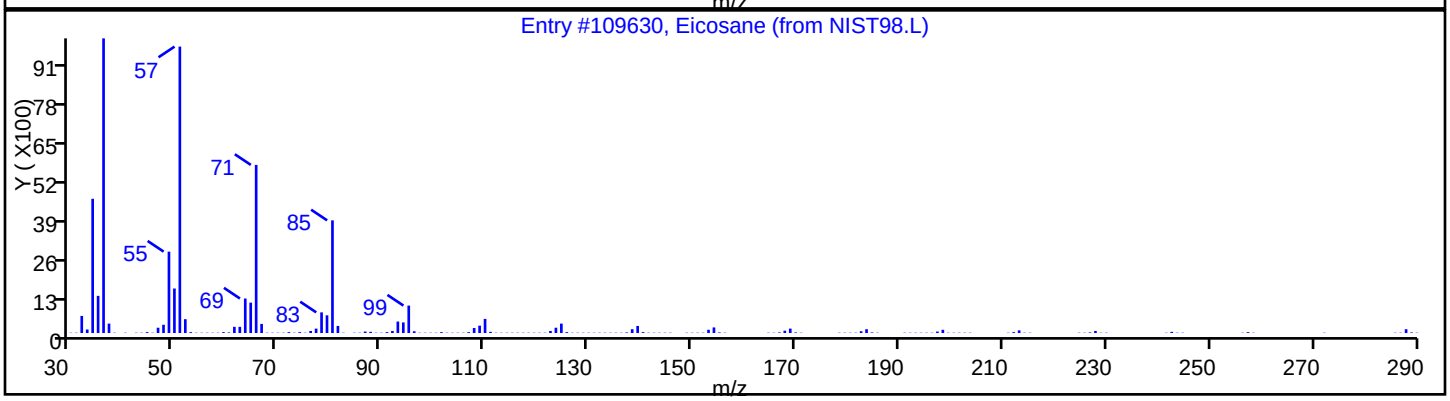
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexadecane	544-76-3	NIST98.L	112410	98
Hexatriacontane	630-6-8	NIST98.L	112335	91
Eicosane	112-95-8	NIST98.L	109630	91









Report Date: 23-Sep-2009 14:52:12 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03050.D

Inj Date: 21-Sep-2009 19:53:30 Limit Group: SMS - 8270LL SVOA Calibration

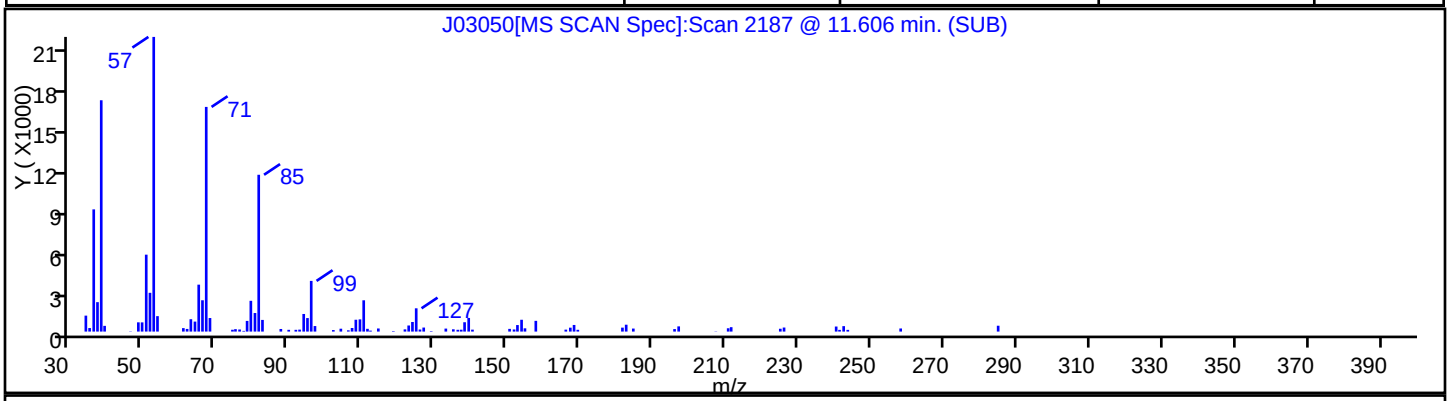
Lims Batch ID: 49259 Lims Sample ID: 12

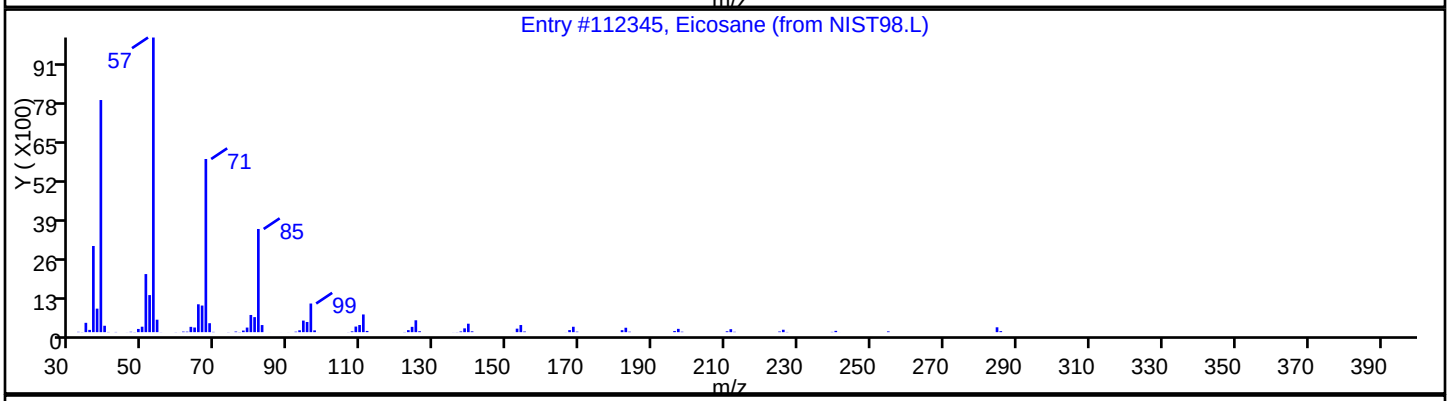
Client ID: Instrument: Inst. J

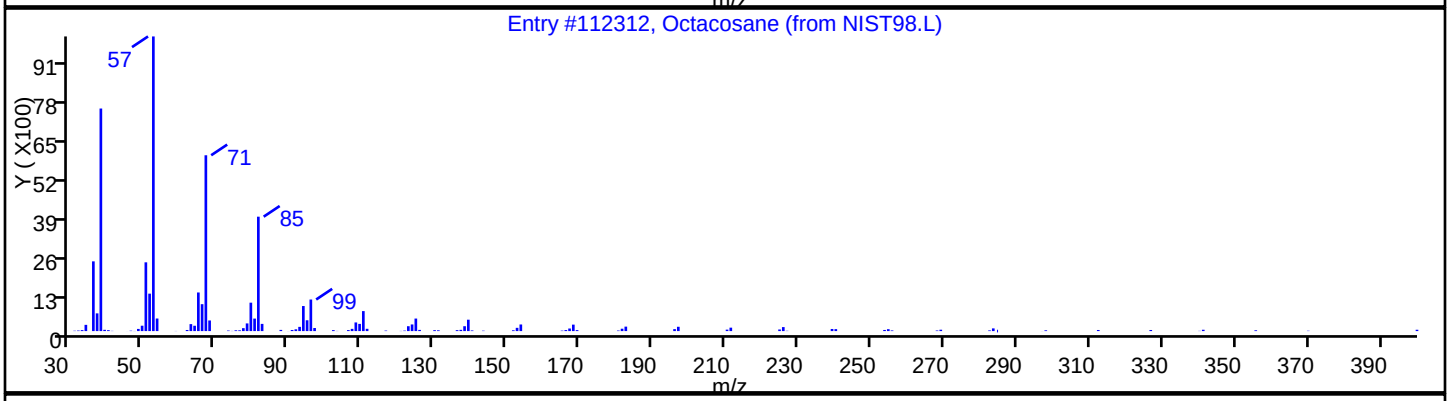
Sample Info: mb 360-48924/1-a

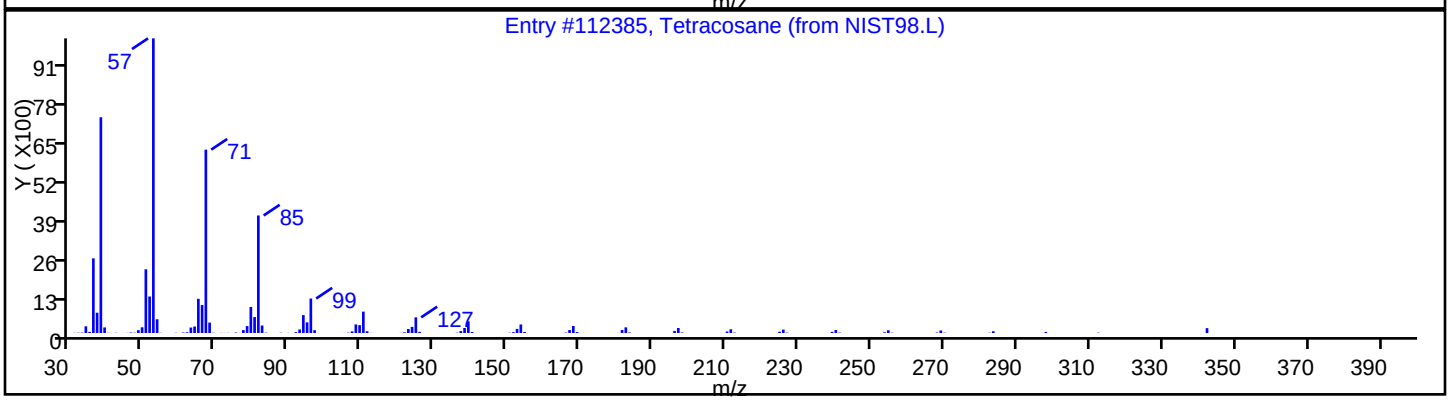
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane	112-95-8	NIST98.L	112345	96
Octacosane	630-2-4	NIST98.L	112312	90
Tetracosane	646-31-1	NIST98.L	112385	90









Report Date: 23-Sep-2009 14:52:12 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03050.D

Inj Date: 21-Sep-2009 19:53:30 Limit Group: SMS - 8270LL SVOA Calibration

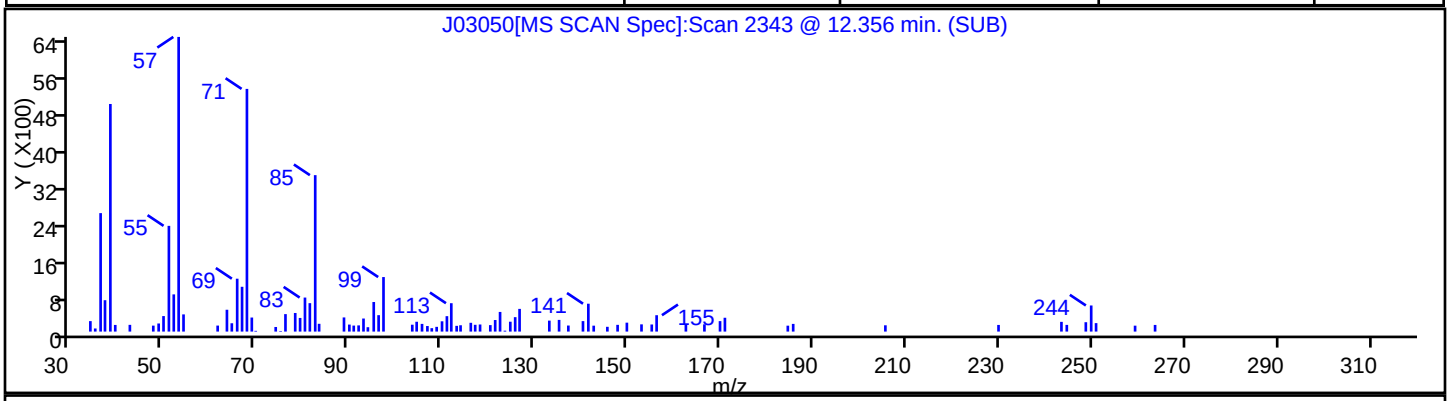
Lims Batch ID: 49259 Lims Sample ID: 12

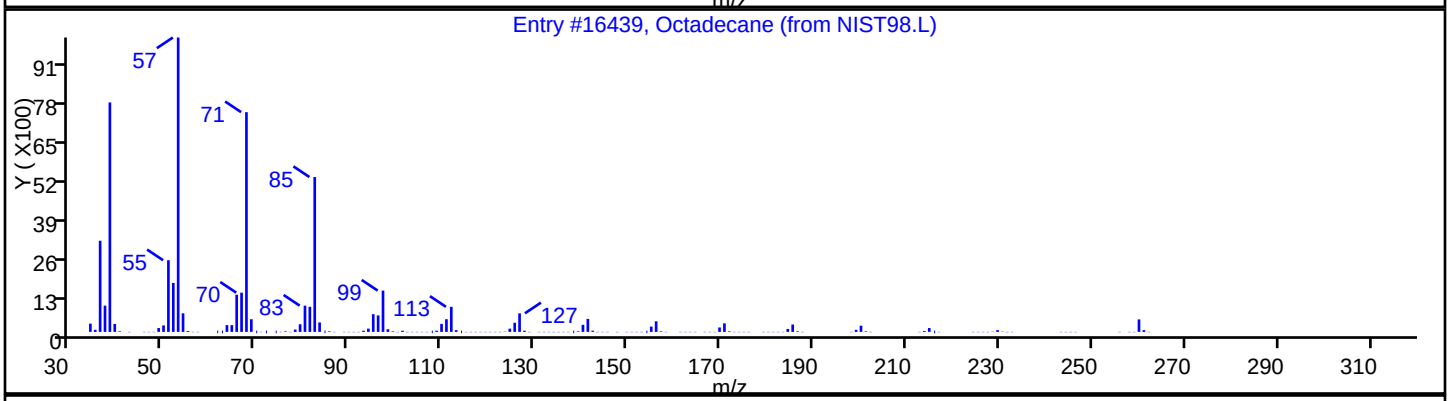
Client ID: Instrument: Inst. J

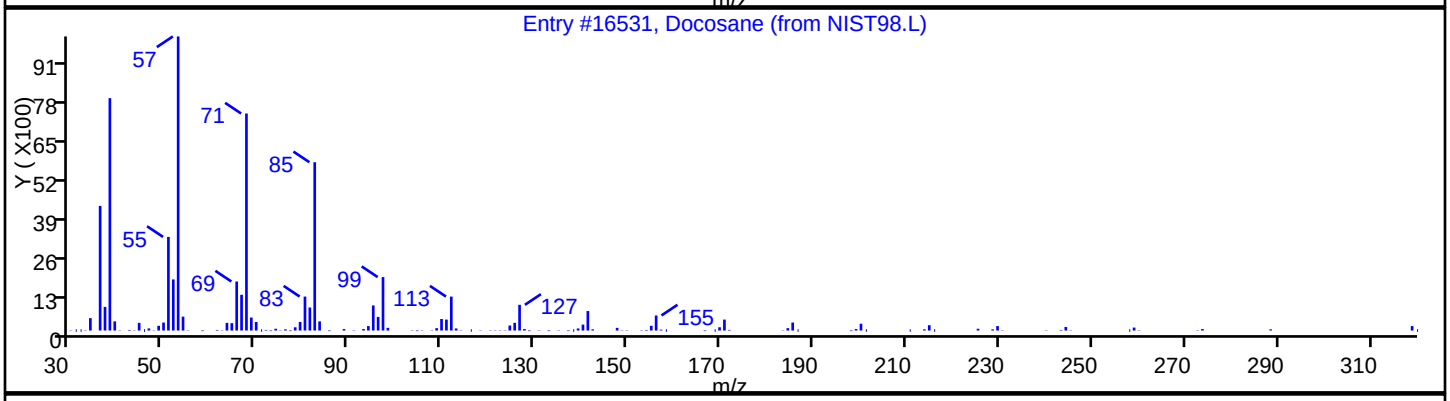
Sample Info: mb 360-48924/1-a

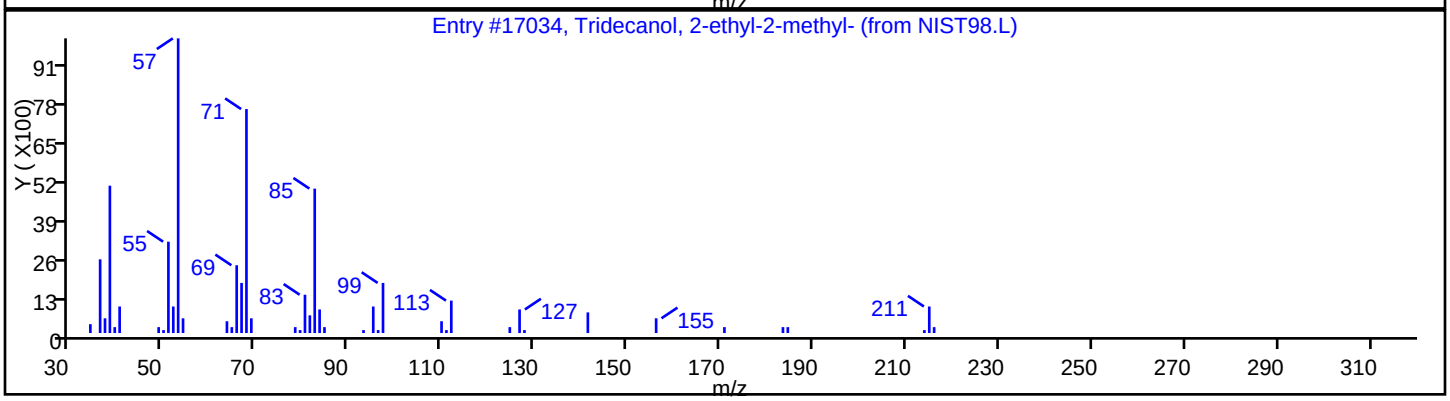
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane	593-45-3	NIST98.L	16439	91
Docosane	629-97-0	NIST98.L	16531	91
Tridecanol, 2-ethyl-2-methyl-	1000115-66-1	NIST98.L	17034	91









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

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

Matrix: Solid | Lab File ID: B10450.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 21:05

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

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49265 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	263		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	218		33	10
120-82-1	1,2,4-Trichlorobenzene	222		33	10
95-50-1	1,2-Dichlorobenzene	230		33	10
541-73-1	1,3-Dichlorobenzene	190		33	10
106-46-7	1,4-Dichlorobenzene	190		33	10
90-12-0	1-Methylnaphthalene	218		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	208		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	228		33	10
95-95-4	2,4,5-Trichlorophenol	264		33	10
88-06-2	2,4,6-Trichlorophenol	250		33	10
120-83-2	2,4-Dichlorophenol	240		33	10
105-67-9	2,4-Dimethylphenol	241		33	13
51-28-5	2,4-Dinitrophenol	192		33	10
121-14-2	2,4-Dinitrotoluene	246		33	10
606-20-2	2,6-Dinitrotoluene	268		33	10
91-58-7	2-Chloronaphthalene	199		33	10
95-57-8	2-Chlorophenol	223		33	10
91-57-6	2-Methylnaphthalene	209		33	10
95-48-7	2-Methylphenol	240		33	20
88-74-4	2-Nitroaniline	268		170	10
88-75-5	2-Nitrophenol	250		33	10
15831-10-4	3 & 4 Methylphenol	249		33	10
91-94-1	3,3'-Dichlorobenzidine	242		67	10
99-09-2	3-Nitroaniline	247		170	10
534-52-1	4,6-Dinitro-2-methylphenol	232		170	10
101-55-3	4-Bromophenyl phenyl ether	263		33	10
59-50-7	4-Chloro-3-methylphenol	274		67	10
106-47-8	4-Chloroaniline	171		67	10
7005-72-3	4-Chlorophenyl phenyl ether	262		33	10
100-01-6	4-Nitroaniline	263		170	10
100-02-7	4-Nitrophenol	281		170	10
83-32-9	Acenaphthene	294		33	10
208-96-8	Acenaphthylene	251		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

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

Matrix: Solid | Lab File ID: B10450.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 21:05

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

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49265 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	228		33	10
62-53-3	Aniline	91.1		33	10
120-12-7	Anthracene	310		33	10
1912-24-9	Atrazine	282		33	10
103-33-3	Azobenzene	264		33	10
100-52-7	Benzaldehyde	248		33	10
56-55-3	Benzo[a]anthracene	314		33	10
50-32-8	Benzo[a]pyrene	327		33	10
205-99-2	Benzo[b]fluoranthene	267		33	10
191-24-2	Benzo[g,h,i]perylene	329		33	10
207-08-9	Benzo[k]fluoranthene	289		33	10
65-85-0	Benzoic acid	118	J	170	15
119-61-9	Benzophenone	285		33	10
100-51-6	Benzyl alcohol	256		67	28
111-91-1	Bis(2-chloroethoxy)methane	208		33	10
111-44-4	Bis(2-chloroethyl)ether	201		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	271		33	10
85-68-7	Butyl benzyl phthalate	259		33	10
105-60-2	Caprolactam	271		33	10
86-74-8	Carbazole	286		33	10
218-01-9	Chrysene	296		33	10
53-70-3	Dibenz(a,h)anthracene	350		33	10
132-64-9	Dibenzofuran	251		33	10
84-66-2	Diethyl phthalate	270		33	10
131-11-3	Dimethyl phthalate	260		33	10
84-74-2	Di-n-butyl phthalate	321		33	29
117-84-0	Di-n-octyl phthalate	238		33	17
101-84-8	Diphenyl oxide	229		33	10
206-44-0	Fluoranthene	293		33	10
86-73-7	Fluorene	312		33	10
118-74-1	Hexachlorobenzene	261		33	10
87-68-3	Hexachlorobutadiene	193		33	10
77-47-4	Hexachlorocyclopentadiene	181		67	10
67-72-1	Hexachloroethane	203		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

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

Matrix: Solid | Lab File ID: B10450.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 21:05

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

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49265 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	351		33	10
78-59-1	Isophorone	196		33	10
91-20-3	Naphthalene	243		80	10
98-95-3	Nitrobenzene	212		33	10
62-75-9	N-Nitrosodimethylamine	219		33	12
621-64-7	N-Nitrosodi-n-propylamine	244		33	10
86-30-6	N-Nitrosodiphenylamine	187		33	10
87-86-5	Pentachlorophenol	239		33	10
85-01-8	Phenanthrene	279		40	10
108-95-2	Phenol	232		33	10
129-00-0	Pyrene	241		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	71	30-130	
321-60-8	2-Fluorobiphenyl	68	30-130	
367-12-4	2-Fluorophenol	64	30-130	
4165-60-0	Nitrobenzene-d5	58	30-130	
4165-62-2	Phenol-d5	67	30-130	
1718-51-0	Terphenyl-d14	57	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10450.D		
Lims ID:	LCS 360-48854/2-A	Client ID:	
Inject. Date:	21-Sep-2009 21:05:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	lcs 360-48742/2-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	49265	Lims Sample ID:	13
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 11:10:56	Calib Date:	21-Sep-2009 19:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	22-Sep-2009 11:10:56

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.905	7.900	0.005	581995	2.00	
* 2 Naphthalene-d8	136	9.030	9.030	0.000	1527961	2.00	
* 3 Acenaphthene-d10	164	10.535	10.535	0.000	572280	2.00	
* 4 Phenanthrene-d10	188	11.805	11.800	0.005	973557	2.00	
* 5 Chrysene-d12	240	15.407	15.397	0.010	744880	2.00	
* 6 Perylene-d12	264	17.845	17.840	0.005	480175	2.00	
$ 7 2-Fluorophenol	112	6.664	6.630	0.034	1040963	6.35	
$ 8 Phenol-d5	99	7.530	7.520	0.010	1265018	6.71	
$ 9 Nitrobenzene-d5	82	8.391	8.390	0.001	570424	2.91	
$ 10 2-Fluorobiphenyl	172	9.925	9.924	0.001	1292987	3.42	
$ 11 2,4,6-Tribromophenol	330	11.204	11.204	0.000	252230	7.09	
$ 12 Terphenyl-d14	244	13.425	13.425	0.000	1007967	2.84	
14 1,4-Dioxane	88	4.481	4.351	0.130	223023	5.14	M
15 N-Nitrosodimethylamine	42	4.991	4.928	0.063	745588	6.57	
16 Pyridine	79	5.044	4.967	0.077	723908	5.56	
17 Benzaldehyde	105	7.506	7.506	0.000	802292	7.45	
18 Phenol	94	7.544	7.534	0.010	1384795	6.95	
19 Aniline	93	7.597	7.597	0.000	658063	2.73	
20 Bis(2-chloroethyl)ether	93	7.636	7.635	0.001	1000920	6.04	
21 2-Chlorophenol	128	7.717	7.708	0.009	1143944	6.69	
22 1,4-Dichlorobenzene	146	7.857	7.852	0.005	1230037	5.69	
23 1,3-Dichlorobenzene	146	7.919	7.919	0.000	1289983	5.70	
24 Benzyl alcohol	79	8.011	8.001	0.010	930959	7.69	
25 1,2-Dichlorobenzene	146	8.059	8.059	0.000	1211792	6.89	
26 2-Methylphenol	108	8.092	8.083	0.009	1097744	7.21	
27 2,2'-oxybis[1-chloropropane]	45	8.116	8.116	0.000	1888500	6.25	
28 3 & 4 Methylphenol	108	8.217	8.212	0.005	1192259	7.48	
29 N-Nitrosodi-n-propylamine	70	8.232	8.232	0.000	826393	7.32	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	8.251	8.246	0.005	1542621	6.85	
31 Hexachloroethane	117	8.366	8.366	0.000	459928	6.08	
32 Nitrobenzene	77	8.410	8.410	0.000	1232695	6.37	
33 Isophorone	82	8.607	8.607	0.000	1832331	5.89	
35 2,4-Dimethylphenol	107	8.684	8.679	0.005	1296252	7.22	
34 2-Nitrophenol	139	8.689	8.689	0.000	682687	7.51	
36 Benzoic acid	105	8.722	8.713	0.009	153198	3.54	M
37 Bis(2-chloroethoxy)methane	93	8.766	8.765	0.001	1217082	6.23	
38 2,4-Dichlorophenol	162	8.891	8.891	0.000	1042024	7.19	
39 1,2,4-Trichlorobenzene	180	8.972	8.972	0.000	1014132	6.67	
40 Alpha-Terpineol	59	9.020	9.020	0.000	1014039	6.36	
41 Naphthalene	128	9.049	9.049	0.000	3485559	7.29	
42 4-Chloroaniline	127	9.073	9.068	0.005	1223945	5.13	
43 Hexachlorobutadiene	225	9.136	9.136	0.000	527046	5.80	
44 Caprolactam	55	9.372	9.352	0.020	522417	8.14	
45 4-Chloro-3-methylphenol	107	9.453	9.448	0.005	1111717	8.22	
46 2-Methylnaphthalene	142	9.636	9.636	0.000	2435507	6.28	
47 1-Methylnaphthalene	142	9.723	9.727	-0.004	2476063	6.54	
48 Hexachlorocyclopentadiene	237	9.761	9.766	-0.005	372449	5.43	
49 1,2,4,5-Tetrachlorobenzene	216	9.775	9.780	-0.005	1004965	6.54	
50 2,4,6-Trichlorophenol	196	9.862	9.862	0.000	728821	7.50	
51 2,4,5-Trichlorophenol	196	9.901	9.896	0.004	806913	7.92	
52 1,1'-Biphenyl	154	10.021	10.021	0.000	3162303	7.88	
53 2-Chloronaphthalene	162	10.059	10.059	0.000	2235731	5.98	
54 Phenyl ether	170	10.102	10.102	0.000	1696307	6.87	
68 4-Nitroaniline	138	10.127	10.122	0.004	886276	7.88	
56 Dimethyl phthalate	163	10.242	10.237	0.005	2769774	7.81	
57 2,6-Dinitrotoluene	165	10.309	10.309	0.000	634803	8.05	
58 Acenaphthylene	152	10.420	10.420	0.000	3594682	7.52	
59 3-Nitroaniline	138	10.468	10.463	0.005	643870	7.41	
60 2,4-Dinitrophenol	184	10.550	10.550	0.000	148444	5.77	
62 4-Nitrophenol	109	10.569	10.559	0.010	445771	8.44	
61 Acenaphthene	153	10.564	10.564	0.000	2962617	8.82	
63 2,4-Dinitrotoluene	165	10.655	10.655	0.000	840607	7.37	
64 Dibenzofuran	168	10.708	10.703	0.005	3296389	7.54	
65 2,3,4,6-Tetrachlorophenol	232	10.795	10.795	0.000	511405	6.83	
66 Diethyl phthalate	149	10.824	10.824	0.000	2925803	8.10	
67 4-Chlorophenyl phenyl ether	204	10.963	10.963	0.000	1275809	7.87	
55 2-Nitroaniline	65	10.992	10.982	0.010	817880	8.03	
69 Fluorene	166	10.997	10.997	0.000	3436025	9.35	
70 4,6-Dinitro-2-methylphenol	198	11.007	11.002	0.005	364698	6.97	
72 N-Nitrosodiphenylamine	169	11.059	11.059	0.000	1779831	5.61	
74 Azobenzene	77	11.103	11.103	0.000	4594376	7.93	
73 1,2-Diphenylhydrazine	77	11.103	11.103	0.000	4594376	7.93	
13 Benzophenone	105	11.112	11.112	0.000	2979444	8.56	
75 4-Bromophenyl phenyl ether	248	11.386	11.386	0.000	703059	7.88	
77 Atrazine	200	11.473	11.468	0.005	900275	8.47	
76 Hexachlorobenzene	284	11.473	11.473	0.000	675655	7.84	
78 Pentachlorophenol	266	11.627	11.625	0.002	348101	7.17	
79 Pentachloronitrobenzene	237	11.636	11.636	0.000	321201	7.54	
80 Phenanthrene	178	11.824	11.824	0.000	4223086	8.38	
81 Anthracene	178	11.867	11.867	0.000	4388636	9.30	

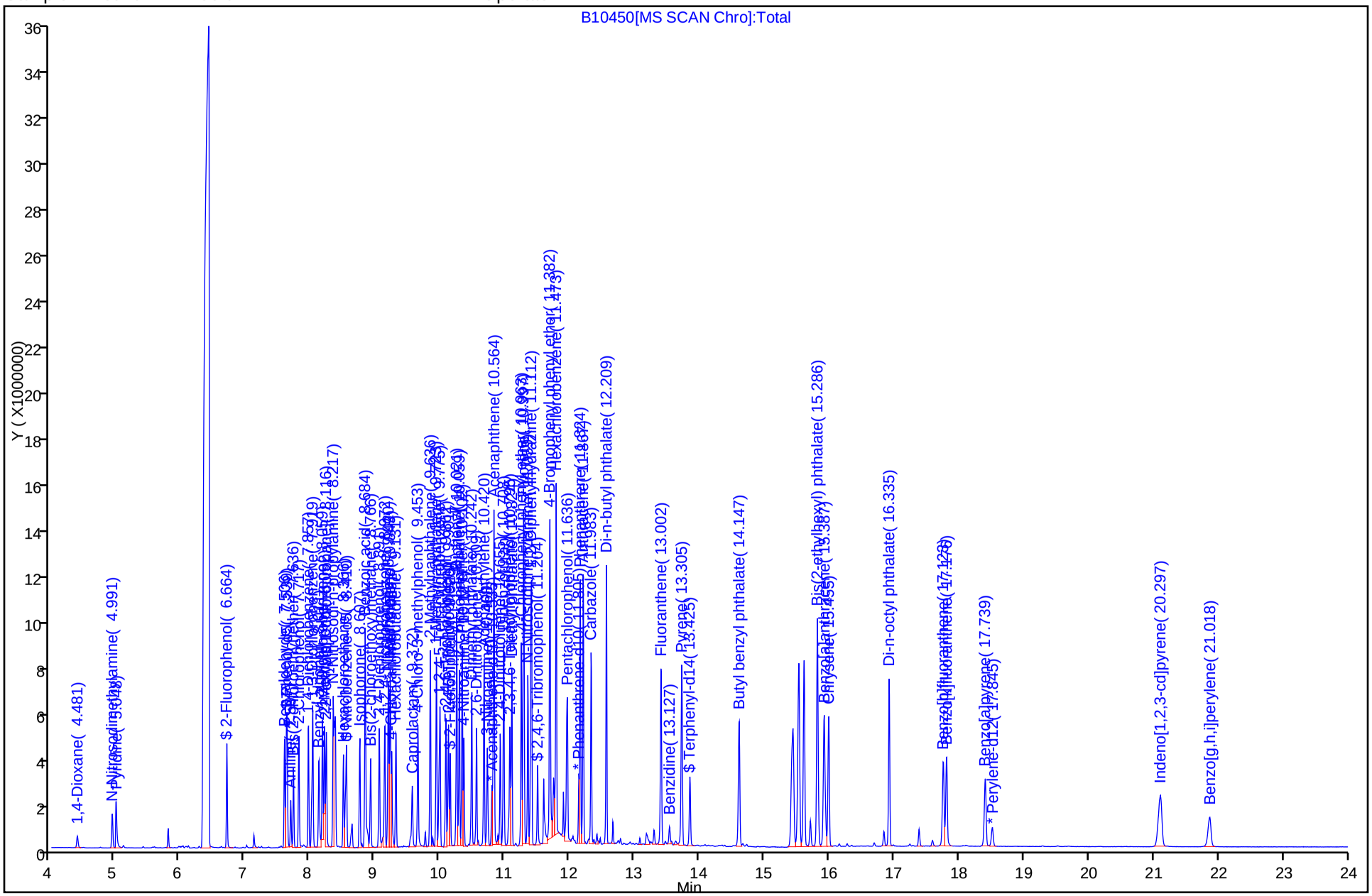
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.983	11.983	0.000	3424398	8.59	
84 Di-n-butyl phthalate	149	12.209	12.204	0.005	5721969	9.63	
87 Fluoranthene	202	13.007	13.002	0.005	3825594	8.78	
86 Benzidine	184	13.108	13.102	0.006	18382	0.4702	
85 Pyrene	202	13.310	13.305	0.005	4380205	7.24	
89 Butyl benzyl phthalate	149	14.147	14.142	0.005	1953665	7.78	
92 Bis(2-ethylhexyl) phthalate	149	15.286	15.281	0.005	2936028	8.12	
91 3,3'-Dichlorobenzidine	252	15.296	15.286	0.010	818298	7.27	
93 Benzo[a]anthracene	228	15.387	15.378	0.009	3102879	9.42	
94 Chrysene	228	15.455	15.445	0.010	2866492	8.89	
95 Di-n-octyl phthalate	149	16.335	16.335	0.000	4171134	7.14	
97 Benzo[b]fluoranthene	252	17.128	17.123	0.005	2369389	8.01	
98 Benzo[k]fluoranthene	252	17.176	17.166	0.010	2352086	8.67	
99 Benzo[a]pyrene	252	17.739	17.734	0.005	1980655	9.82	
100 Indeno[1,2,3-cd]pyrene	276	20.283	20.268	0.015	1704847	10.5	
101 Dibenz(a,h)anthracene	278	20.307	20.302	0.005	1398563	10.5	
102 Benzo[g,h,i]perylene	276	21.018	20.999	0.019	1381742	9.88	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 22-Sep-2009 11:10:57 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10450.D		
Inj Date:	21-Sep-2009 21:05:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	13
Client ID:		Instrument:	Inst. B
Sample Info:	lcs 360-48742/2-a		
Sample Amount:	1.00 ul	Operator:	MZ



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: | Lab Sample ID: LCS 360-48924/2-A

Matrix: Solid | Lab File ID: J03051.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/14/2009 13:00

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 20:20

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.: 49259 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	293		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	277		33	10
120-82-1	1,2,4-Trichlorobenzene	245		33	10
95-50-1	1,2-Dichlorobenzene	202		33	10
541-73-1	1,3-Dichlorobenzene	199		33	10
106-46-7	1,4-Dichlorobenzene	201		33	10
90-12-0	1-Methylnaphthalene	272		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	222		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	270		33	10
95-95-4	2,4,5-Trichlorophenol	311		33	10
88-06-2	2,4,6-Trichlorophenol	306		33	10
120-83-2	2,4-Dichlorophenol	292		33	10
105-67-9	2,4-Dimethylphenol	312		33	13
51-28-5	2,4-Dinitrophenol	226		33	10
121-14-2	2,4-Dinitrotoluene	292		33	10
606-20-2	2,6-Dinitrotoluene	311		33	10
91-58-7	2-Chloronaphthalene	206		33	10
95-57-8	2-Chlorophenol	234		33	10
91-57-6	2-Methylnaphthalene	269		33	10
95-48-7	2-Methylphenol	254		33	20
88-74-4	2-Nitroaniline	291		170	10
88-75-5	2-Nitrophenol	276		33	10
15831-10-4	3 & 4 Methylphenol	267		33	10
91-94-1	3,3'-Dichlorobenzidine	329		67	10
99-09-2	3-Nitroaniline	336		170	10
534-52-1	4,6-Dinitro-2-methylphenol	270		170	10
101-55-3	4-Bromophenyl phenyl ether	297		33	10
59-50-7	4-Chloro-3-methylphenol	306		67	10
106-47-8	4-Chloroaniline	262		67	10
7005-72-3	4-Chlorophenyl phenyl ether	290		33	10
100-01-6	4-Nitroaniline	313		170	10
100-02-7	4-Nitrophenol	314		170	10
83-32-9	Acenaphthene	317		33	10
208-96-8	Acenaphthylene	290		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: | Lab Sample ID: LCS 360-48924/2-A

Matrix: Solid | Lab File ID: J03051.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/14/2009 13:00

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 20:20

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.: 49259 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	254		33	10
62-53-3	Aniline	103		33	10
120-12-7	Anthracene	367		33	10
1912-24-9	Atrazine	343		33	10
103-33-3	Azobenzene	312		33	10
100-52-7	Benzaldehyde	254		33	10
56-55-3	Benzo[a]anthracene	363		33	10
50-32-8	Benzo[a]pyrene	354		33	10
205-99-2	Benzo[b]fluoranthene	322		33	10
191-24-2	Benzo[g,h,i]perylene	385		33	10
207-08-9	Benzo[k]fluoranthene	346		33	10
65-85-0	Benzoic acid	113	J	170	15
119-61-9	Benzophenone	331		33	10
100-51-6	Benzyl alcohol	237		67	28
111-91-1	Bis(2-chloroethoxy)methane	282		33	10
111-44-4	Bis(2-chloroethyl)ether	216		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	351		33	10
85-68-7	Butyl benzyl phthalate	323		33	10
105-60-2	Caprolactam	313		33	10
86-74-8	Carbazole	337		33	10
218-01-9	Chrysene	348		33	10
53-70-3	Dibenz(a,h)anthracene	355		33	10
132-64-9	Dibenzofuran	282		33	10
84-66-2	Diethyl phthalate	325		33	10
131-11-3	Dimethyl phthalate	305		33	10
84-74-2	Di-n-butyl phthalate	397		33	29
117-84-0	Di-n-octyl phthalate	318		33	17
101-84-8	Diphenyl oxide	290		33	10
206-44-0	Fluoranthene	348		33	10
86-73-7	Fluorene	348		33	10
118-74-1	Hexachlorobenzene	289		33	10
87-68-3	Hexachlorobutadiene	252		33	10
77-47-4	Hexachlorocyclopentadiene	233		67	10
67-72-1	Hexachloroethane	215		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: | Lab Sample ID: LCS 360-48924/2-A

Matrix: Solid | Lab File ID: J03051.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/14/2009 13:00

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 20:20

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.: 49259 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	354		33	10
78-59-1	Isophorone	235		33	10
91-20-3	Naphthalene	257		80	10
98-95-3	Nitrobenzene	281		33	10
62-75-9	N-Nitrosodimethylamine	253		33	12
621-64-7	N-Nitrosodi-n-propylamine	249		33	10
86-30-6	N-Nitrosodiphenylamine	230		33	10
87-86-5	Pentachlorophenol	313		33	10
85-01-8	Phenanthrene	313		40	10
108-95-2	Phenol	245		33	10
129-00-0	Pyrene	338		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	84	30-130	
321-60-8	2-Fluorobiphenyl	78	30-130	
367-12-4	2-Fluorophenol	66	30-130	
4165-60-0	Nitrobenzene-d5	79	30-130	
4165-62-2	Phenol-d5	70	30-130	
1718-51-0	Terphenyl-d14	82	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03051.D		
Lims ID:	LCS 360-48924/2-A	Client ID:	
Inject. Date:	21-Sep-2009 20:20:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	lcs 360-48924/2-a		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	49259	Lims Sample ID:	13
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 14:52:10	Calib Date:	21-Sep-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 15:03:30

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
* 1 1,4-Dichlorobenzene-d4	150	6.301	6.296	0.005	92497	2.00	
* 2 Naphthalene-d8	136	7.642	7.637	0.005	177578	2.00	
* 3 Acenaphthene-d10	164	9.369	9.369	0.000	85345	2.00	
* 4 Phenanthrene-d10	188	10.806	10.802	0.004	136487	2.00	
* 5 Chrysene-d12	240	13.374	13.369	0.005	93876	2.00	
* 6 Perylene-d12	264	14.706	14.706	0.000	64218	2.00	
$ 7 2-Fluorophenol	112	4.492	4.430	0.062	195017	6.63	
$ 8 Phenol-d5	99	5.974	5.959	0.015	240654	6.99	
$ 9 Nitrobenzene-d5	82	6.916	6.916	0.000	109559	3.96	
$ 10 2-Fluorobiphenyl	172	8.734	8.734	0.000	211504	3.91	
$ 11 2,4,6-Tribromophenol	330	10.138	10.136	0.002	52787	8.44	
$ 12 Terphenyl-d14	244	12.384	12.386	-0.002	163487	4.10	
14 1,4-Dioxane	88	1.439	1.357	0.082	49490	4.34	
16 Pyridine	79	1.751	1.670	0.081	155432	5.72	
15 N-Nitrosodimethylamine	74	1.737	1.674	0.063	110736	7.58	
19 Aniline	93	5.926	5.921	0.005	131007	3.08	
18 Phenol	94	5.988	5.978	0.010	272736	7.35	
20 Bis(2-chloroethyl)ether	93	6.055	6.050	0.005	200012	6.49	
21 2-Chlorophenol	128	6.060	6.050	0.010	212389	7.02	
22 1,4-Dichlorobenzene	146	6.224	6.224	0.000	214406	6.04	
23 1,3-Dichlorobenzene	146	6.320	6.320	0.000	220523	5.96	
25 1,2-Dichlorobenzene	146	6.479	6.478	0.001	211578	6.05	
24 Benzyl alcohol	79	6.503	6.498	0.005	192081	7.10	
26 2-Methylphenol	108	6.656	6.652	0.004	198942	7.63	
27 2,2'-oxybis[1-chloropropane]	45	6.671	6.666	0.005	213353	6.67	
30 Acetophenone	105	6.772	6.767	0.005	293129	7.61	
17 Benzaldehyde	105	6.772	6.767	0.005	293129	7.61	
29 N-Nitrosodi-n-propylamine	70	6.801	6.796	0.005	153871	7.47	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	6.825	6.825	0.000	216692	8.02	
31 Hexachloroethane	117	6.839	6.839	0.000	88636	6.45	
32 Nitrobenzene	77	6.935	6.935	0.000	233991	8.42	
33 Isophorone	82	7.200	7.200	0.000	360469	7.06	
34 2-Nitrophenol	139	7.272	7.272	0.000	112353	8.27	
35 2,4-Dimethylphenol	107	7.363	7.363	0.000	235118	9.36	
37 Bis(2-chloroethoxy)methane	93	7.455	7.455	0.000	241100	8.46	
36 Benzoic acid	105	7.464	7.476	-0.012	13952	3.38	
38 2,4-Dichlorophenol	162	7.522	7.522	0.000	171903	8.76	
39 1,2,4-Trichlorobenzene	180	7.599	7.594	0.005	171320	7.35	
41 Naphthalene	128	7.661	7.661	0.000	617796	7.70	
40 Alpha-Terpineol	59	7.710	7.710	0.000	142881	7.93	
42 4-Chloroaniline	127	7.748	7.743	0.005	222460	7.87	
43 Hexachlorobutadiene	225	7.815	7.811	0.005	96680	7.56	
44 Caprolactam	55	8.085	8.052	0.033	77480	9.39	
45 4-Chloro-3-methylphenol	107	8.263	8.253	0.010	213195	9.18	
46 2-Methylnaphthalene	142	8.359	8.359	0.000	408595	8.07	
47 1-Methylnaphthalene	142	8.450	8.450	0.000	404968	8.17	
48 Hexachlorocyclopentadiene	237	8.522	8.522	0.000	65689	6.98	
49 1,2,4,5-Tetrachlorobenzene	216	8.527	8.527	0.000	161015	8.31	
50 2,4,6-Trichlorophenol	196	8.652	8.652	0.000	116585	9.19	
51 2,4,5-Trichlorophenol	196	8.686	8.684	0.002	123231	9.34	
52 1,1'-Biphenyl	154	8.825	8.825	0.000	500043	8.78	
53 2-Chloronaphthalene	162	8.830	8.830	0.000	367000	6.19	
54 Phenyl ether	170	8.936	8.936	0.000	272528	8.70	
68 4-Nitroaniline	138	8.950	8.945	0.005	143190	9.38	
56 Dimethyl phthalate	163	9.152	9.152	0.000	465539	9.15	
63 2,4-Dinitrotoluene	165	9.200	9.200	0.000	103904	8.75	
58 Acenaphthylene	152	9.229	9.224	0.005	592751	8.71	
61 Acenaphthene	153	9.402	9.397	0.005	443388	9.52	
60 2,4-Dinitrophenol	184	9.465	9.465	0.000	19682	6.77	
62 4-Nitrophenol	109	9.547	9.535	0.012	65116	9.43	
64 Dibenzofuran	168	9.571	9.571	0.000	530707	8.46	
57 2,6-Dinitrotoluene	165	9.590	9.590	0.000	139097	9.32	
65 2,3,4,6-Tetrachlorophenol	232	9.705	9.700	0.005	81471	8.11	
66 Diethyl phthalate	149	9.849	9.845	0.004	502772	9.74	
69 Fluorene	166	9.902	9.902	0.000	508227	10.4	
67 4-Chlorophenyl phenyl ether	204	9.926	9.926	0.000	204180	8.70	
59 3-Nitroaniline	138	9.946	9.936	0.010	98165	10.1	
70 4,6-Dinitro-2-methylphenol	198	9.984	9.979	0.005	52020	8.09	
72 N-Nitrosodiphenylamine	169	10.047	10.042	0.005	280476	6.91	
74 Azobenzene	77	10.076	10.075	0.001	785896	9.35	
73 1,2-Diphenylhydrazine	77	10.076	10.075	0.001	785896	9.35	
13 Benzophenone	105	10.090	10.090	0.000	494326	9.92	
75 4-Bromophenyl phenyl ether	248	10.398	10.393	0.005	113086	8.91	
55 2-Nitroaniline	65	10.393	10.393	0.000	17464	8.74	
76 Hexachlorobenzene	284	10.441	10.436	0.005	122792	8.66	
77 Atrazine	200	10.595	10.590	0.005	134047	10.3	
78 Pentachlorophenol	266	10.643	10.641	0.002	60464	9.38	
79 Pentachloronitrobenzene	237	10.653	10.648	0.005	56712	9.24	
80 Phenanthrene	178	10.830	10.826	0.004	647590	9.38	
81 Anthracene	178	10.879	10.874	0.005	652919	11.0	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.052	11.047	0.005	516869	10.1	
84 Di-n-butyl phthalate	149	11.446	11.446	0.000	1010334	11.9	
87 Fluoranthene	202	11.980	11.980	0.000	573358	10.4	
86 Benzidine	184	12.143	12.146	-0.003	4277	0.9271	
85 Pyrene	202	12.196	12.191	0.005	648254	10.1	
89 Butyl benzyl phthalate	149	12.893	12.893	0.000	325084	9.70	
93 Benzo[a]anthracene	228	13.365	13.365	0.000	460565	10.9	
91 3,3'-Dichlorobenzidine	252	13.370	13.367	0.003	117673	9.86	
94 Chrysene	228	13.398	13.394	0.004	424277	10.4	
92 Bis(2-ethylhexyl) phthalate	149	13.480	13.476	0.004	484837	10.5	
95 Di-n-octyl phthalate	149	14.091	14.089	0.002	636182	9.53	
97 Benzo[b]fluoranthene	252	14.370	14.365	0.005	380684	9.66	
98 Benzo[k]fluoranthene	252	14.394	14.389	0.005	382540	10.4	
99 Benzo[a]pyrene	252	14.658	14.653	0.005	307007	10.6	
100 Indeno[1,2,3-cd]pyrene	276	15.615	15.608	0.007	271187	10.6	
101 Dibenz(a,h)anthracene	278	15.634	15.632	0.002	223190	10.7	
102 Benzo[g,h,i]perylene	276	15.822	15.818	0.004	235270	11.5	

Report Date: 23-Sep-2009 15:03:31 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03051.D

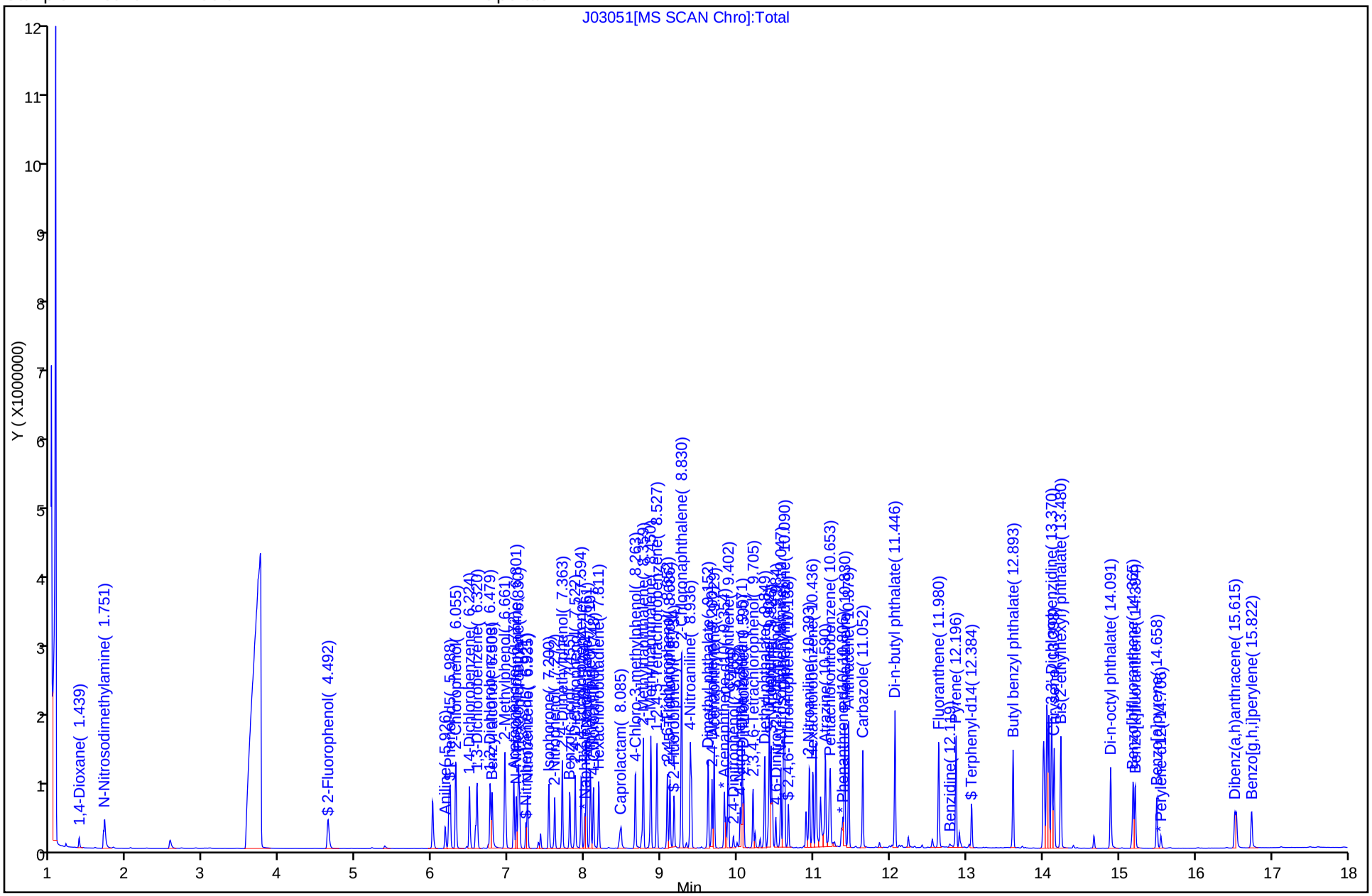
Inj Date: 21-Sep-2009 20:20:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 13

Client ID: Instrument: Inst. J

Sample Info: lcs 360-48924/2-a

Sample Amount: 1.00 ul Operator:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

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

Matrix: Solid | Lab File ID: B10451.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 21:36

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

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49265 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	249		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	208		33	10
120-82-1	1,2,4-Trichlorobenzene	208		33	10
95-50-1	1,2-Dichlorobenzene	212		33	10
541-73-1	1,3-Dichlorobenzene	177		33	10
106-46-7	1,4-Dichlorobenzene	176		33	10
90-12-0	1-Methylnaphthalene	205		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	195		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	221		33	10
95-95-4	2,4,5-Trichlorophenol	255		33	10
88-06-2	2,4,6-Trichlorophenol	241		33	10
120-83-2	2,4-Dichlorophenol	231		33	10
105-67-9	2,4-Dimethylphenol	235		33	13
51-28-5	2,4-Dinitrophenol	199		33	10
121-14-2	2,4-Dinitrotoluene	238		33	10
606-20-2	2,6-Dinitrotoluene	262		33	10
91-58-7	2-Chloronaphthalene	194		33	10
95-57-8	2-Chlorophenol	214		33	10
91-57-6	2-Methylnaphthalene	200		33	10
95-48-7	2-Methylphenol	224		33	20
88-74-4	2-Nitroaniline	252		170	10
88-75-5	2-Nitrophenol	241		33	10
15831-10-4	3 & 4 Methylphenol	237		33	10
91-94-1	3,3'-Dichlorobenzidine	236		67	10
99-09-2	3-Nitroaniline	240		170	10
534-52-1	4,6-Dinitro-2-methylphenol	225		170	10
101-55-3	4-Bromophenyl phenyl ether	250		33	10
59-50-7	4-Chloro-3-methylphenol	268		67	10
106-47-8	4-Chloroaniline	170		67	10
7005-72-3	4-Chlorophenyl phenyl ether	253		33	10
100-01-6	4-Nitroaniline	254		170	10
100-02-7	4-Nitrophenol	277		170	10
83-32-9	Acenaphthene	281		33	10
208-96-8	Acenaphthylene	243		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

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

Matrix: Solid | Lab File ID: B10451.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 21:36

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

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49265 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	221		33	10
62-53-3	Aniline	88.2		33	10
120-12-7	Anthracene	294		33	10
1912-24-9	Atrazine	271		33	10
103-33-3	Azobenzene	249		33	10
100-52-7	Benzaldehyde	234		33	10
56-55-3	Benzo[a]anthracene	301		33	10
50-32-8	Benzo[a]pyrene	320		33	10
205-99-2	Benzo[b]fluoranthene	272		33	10
191-24-2	Benzo[g,h,i]perylene	296		33	10
207-08-9	Benzo[k]fluoranthene	282		33	10
65-85-0	Benzoic acid	118	J	170	15
119-61-9	Benzophenone	267		33	10
100-51-6	Benzyl alcohol	243		67	28
111-91-1	Bis(2-chloroethoxy)methane	200		33	10
111-44-4	Bis(2-chloroethyl)ether	188		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	261		33	10
85-68-7	Butyl benzyl phthalate	258		33	10
105-60-2	Caprolactam	278		33	10
86-74-8	Carbazole	277		33	10
218-01-9	Chrysene	287		33	10
53-70-3	Dibenz(a,h)anthracene	311		33	10
132-64-9	Dibenzofuran	244		33	10
84-66-2	Diethyl phthalate	267		33	10
131-11-3	Dimethyl phthalate	253		33	10
84-74-2	Di-n-butyl phthalate	312		33	29
117-84-0	Di-n-octyl phthalate	244		33	17
101-84-8	Diphenyl oxide	214		33	10
206-44-0	Fluoranthene	281		33	10
86-73-7	Fluorene	303		33	10
118-74-1	Hexachlorobenzene	245		33	10
87-68-3	Hexachlorobutadiene	179		33	10
77-47-4	Hexachlorocyclopentadiene	186		67	10
67-72-1	Hexachloroethane	188		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

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

Matrix: Solid | Lab File ID: B10451.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 21:36

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

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49265 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	316		33	10
78-59-1	Isophorone	187		33	10
91-20-3	Naphthalene	228		80	10
98-95-3	Nitrobenzene	199		33	10
62-75-9	N-Nitrosodimethylamine	204		33	12
621-64-7	N-Nitrosodi-n-propylamine	230		33	10
86-30-6	N-Nitrosodiphenylamine	179		33	10
87-86-5	Pentachlorophenol	239		33	10
85-01-8	Phenanthrene	267		40	10
108-95-2	Phenol	224		33	10
129-00-0	Pyrene	243		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	70	30-130	
321-60-8	2-Fluorobiphenyl	67	30-130	
367-12-4	2-Fluorophenol	62	30-130	
4165-60-0	Nitrobenzene-d5	57	30-130	
4165-62-2	Phenol-d5	65	30-130	
1718-51-0	Terphenyl-d14	60	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10451.D		
Lims ID:	LCSD 360-48854/3-A	Client ID:	
Inject. Date:	21-Sep-2009 21:36:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	lcsd 360-48742/3-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	49265	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 11:12:58	Calib Date:	21-Sep-2009 19:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 11:12:58

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.901	7.900	0.001	586095	2.00	
* 2 Naphthalene-d8	136	9.031	9.030	0.001	1527106	2.00	
* 3 Acenaphthene-d10	164	10.536	10.535	0.001	571559	2.00	
* 4 Phenanthrene-d10	188	11.801	11.800	0.001	992925	2.00	
* 5 Chrysene-d12	240	15.403	15.397	0.006	719889	2.00	
* 6 Perylene-d12	264	17.836	17.840	-0.004	430605	2.00	
$ 7 2-Fluorophenol	112	6.661	6.630	0.031	1030400	6.24	
$ 8 Phenol-d5	99	7.531	7.520	0.011	1240948	6.53	
$ 9 Nitrobenzene-d5	82	8.392	8.390	0.002	559367	2.86	
$ 10 2-Fluorobiphenyl	172	9.926	9.924	0.002	1267187	3.36	
$ 11 2,4,6-Tribromophenol	330	11.205	11.204	0.001	253964	7.00	
$ 12 Terphenyl-d14	244	13.427	13.425	0.002	1026661	3.00	
14 1,4-Dioxane	88	4.458	4.351	0.107	197985	4.57	M
15 N-Nitrosodimethylamine	42	4.973	4.928	0.045	699019	6.12	
16 Pyridine	79	5.030	4.967	0.063	653318	4.99	
17 Benzaldehyde	105	7.507	7.506	0.001	761363	7.02	
18 Phenol	94	7.545	7.534	0.011	1348106	6.72	
19 Aniline	93	7.598	7.597	0.001	641374	2.65	
20 Bis(2-chloroethyl)ether	93	7.637	7.635	0.002	942141	5.64	
21 2-Chlorophenol	128	7.714	7.708	0.006	1107740	6.43	
22 1,4-Dichlorobenzene	146	7.853	7.852	0.001	1147323	5.27	
23 1,3-Dichlorobenzene	146	7.920	7.919	0.001	1208967	5.31	
24 Benzyl alcohol	79	8.007	8.001	0.006	889675	7.30	
25 1,2-Dichlorobenzene	146	8.060	8.059	0.001	1130994	6.37	
26 2-Methylphenol	108	8.094	8.083	0.011	1028445	6.71	
27 2,2'-oxybis[1-chloropropane]	45	8.118	8.116	0.002	1776224	5.84	
28 3 & 4 Methylphenol	108	8.219	8.212	0.007	1139231	7.10	
29 N-Nitrosodi-n-propylamine	70	8.233	8.232	0.001	786203	6.91	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	8.247	8.246	0.001	1500752	6.62	
31 Hexachloroethane	117	8.368	8.366	0.002	428536	5.63	
32 Nitrobenzene	77	8.411	8.410	0.001	1151499	5.96	
33 Isophorone	82	8.608	8.607	0.001	1742123	5.61	
35 2,4-Dimethylphenol	107	8.685	8.679	0.006	1263684	7.05	
34 2-Nitrophenol	139	8.690	8.689	0.001	656602	7.23	
36 Benzoic acid	105	8.728	8.713	0.015	153571	3.54	
37 Bis(2-chloroethoxy)methane	93	8.767	8.765	0.002	1174021	6.01	
38 2,4-Dichlorophenol	162	8.892	8.891	0.001	1003846	6.93	
39 1,2,4-Trichlorobenzene	180	8.974	8.972	0.002	961408	6.25	
40 Alpha-Terpineol	59	9.022	9.020	0.002	959284	6.02	
41 Naphthalene	128	9.051	9.049	0.001	3273373	6.83	
42 4-Chloroaniline	127	9.070	9.068	0.002	1217073	5.10	
43 Hexachlorobutadiene	225	9.137	9.136	0.001	488169	5.37	
44 Caprolactam	55	9.373	9.352	0.021	535605	8.35	
45 4-Chloro-3-methylphenol	107	9.454	9.448	0.006	1087544	8.04	
46 2-Methylnaphthalene	142	9.637	9.636	0.001	2325658	6.00	
47 1-Methylnaphthalene	142	9.724	9.727	-0.003	2330246	6.16	
48 Hexachlorocyclopentadiene	237	9.762	9.766	-0.004	382278	5.58	
49 1,2,4,5-Tetrachlorobenzene	216	9.777	9.780	-0.003	959885	6.25	
50 2,4,6-Trichlorophenol	196	9.863	9.862	0.001	702087	7.23	
51 2,4,5-Trichlorophenol	196	9.902	9.896	0.006	778215	7.65	
52 1,1'-Biphenyl	154	10.022	10.021	0.001	2991402	7.46	
53 2-Chloronaphthalene	162	10.060	10.059	0.001	2169391	5.81	
54 Phenyl ether	170	10.104	10.102	0.002	1582610	6.41	
68 4-Nitroaniline	138	10.128	10.122	0.006	856809	7.63	
56 Dimethyl phthalate	163	10.243	10.237	0.006	2689221	7.60	
57 2,6-Dinitrotoluene	165	10.310	10.309	0.001	619573	7.87	
58 Acenaphthylene	152	10.421	10.420	0.001	3482311	7.30	
59 3-Nitroaniline	138	10.469	10.463	0.006	624025	7.20	
60 2,4-Dinitrophenol	184	10.551	10.550	0.001	155373	5.98	
62 4-Nitrophenol	109	10.570	10.559	0.011	437672	8.31	
61 Acenaphthene	153	10.565	10.564	0.001	2829603	8.43	
63 2,4-Dinitrotoluene	165	10.657	10.655	0.002	812069	7.13	
64 Dibenzofuran	168	10.705	10.703	0.002	3202469	7.33	
65 2,3,4,6-Tetrachlorophenol	232	10.796	10.795	0.001	494380	6.62	
66 Diethyl phthalate	149	10.825	10.824	0.001	2887647	8.00	
67 4-Chlorophenyl phenyl ether	204	10.964	10.963	0.001	1230075	7.60	
55 2-Nitroaniline	65	10.993	10.982	0.011	769557	7.57	
69 Fluorene	166	10.998	10.997	0.001	3340312	9.10	
70 4,6-Dinitro-2-methylphenol	198	11.008	11.002	0.006	357640	6.74	
72 N-Nitrosodiphenylamine	169	11.061	11.059	0.002	1733967	5.36	
74 Azobenzene	77	11.104	11.103	0.001	4419995	7.48	
73 1,2-Diphenylhydrazine	77	11.104	11.103	0.001	4419995	7.48	
13 Benzophenone	105	11.113	11.112	0.001	2846482	8.02	
75 4-Bromophenyl phenyl ether	248	11.388	11.386	0.002	681513	7.49	
77 Atrazine	200	11.474	11.468	0.006	882525	8.14	
76 Hexachlorobenzene	284	11.474	11.473	0.001	645197	7.34	
78 Pentachlorophenol	266	11.628	11.625	0.003	356148	7.18	
79 Pentachloronitrobenzene	237	11.638	11.636	0.002	319853	7.36	
80 Phenanthrene	178	11.825	11.824	0.001	4112911	8.00	
81 Anthracene	178	11.868	11.867	0.001	4236461	8.81	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.984	11.983	0.001	3380432	8.31	
84 Di-n-butyl phthalate	149	12.210	12.204	0.006	5668231	9.35	
87 Fluoranthene	202	13.003	13.002	0.001	3751276	8.44	
86 Benzidine	184	13.109	13.102	0.007	16589	0.4382	
85 Pyrene	202	13.306	13.305	0.001	4261651	7.29	
89 Butyl benzyl phthalate	149	14.143	14.142	0.001	1876489	7.73	
92 Bis(2-ethylhexyl) phthalate	149	15.288	15.281	0.007	2733740	7.82	
91 3,3'-Dichlorobenzidine	252	15.297	15.286	0.011	769681	7.07	
93 Benzo[a]anthracene	228	15.384	15.378	0.006	2870548	9.02	
94 Chrysene	228	15.451	15.445	0.006	2684321	8.61	
95 Di-n-octyl phthalate	149	16.336	16.335	0.001	3841073	7.33	
97 Benzo[b]fluoranthene	252	17.124	17.123	0.001	2167844	8.17	
98 Benzo[k]fluoranthene	252	17.173	17.166	0.007	2058405	8.46	
99 Benzo[a]pyrene	252	17.740	17.734	0.006	1737271	9.60	
100 Indeno[1,2,3-cd]pyrene	276	20.274	20.268	0.006	1373580	9.47	
101 Dibenz(a,h)anthracene	278	20.303	20.302	0.001	1113164	9.32	
102 Benzo[g,h,i]perylene	276	21.015	20.999	0.016	1114397	8.88	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 22-Sep-2009 11:12:59 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10451.D

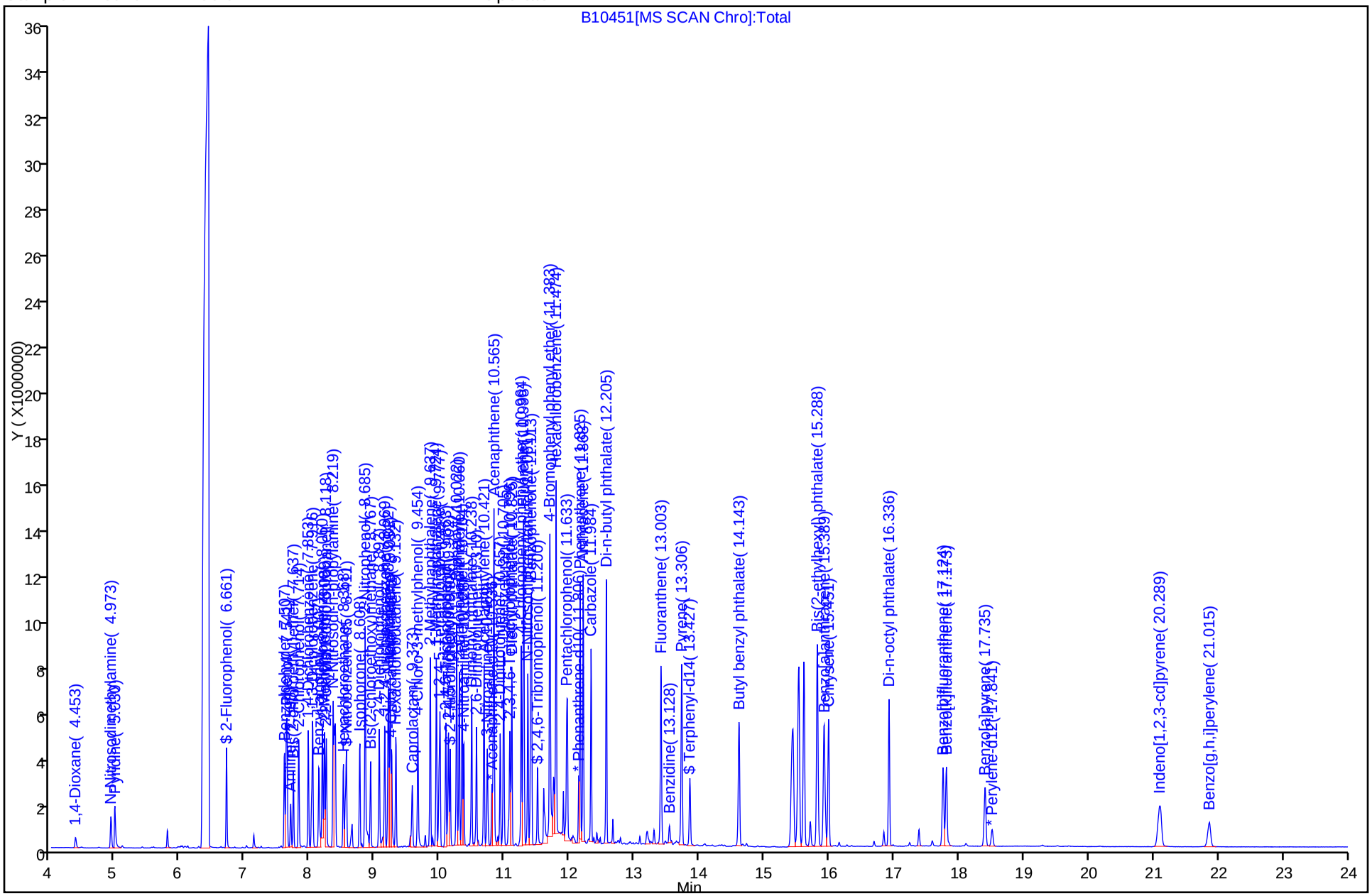
Inj Date: 21-Sep-2009 21:36:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 14

Client ID: Instrument: Inst. B

Sample Info: lcsd 360-48742/3-a

Sample Amount: 1.00 ul Operator: MZ



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: | Lab Sample ID: LCSD 360-48924/3-A

Matrix: Solid | Lab File ID: J03052.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/14/2009 13:00

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 20:47

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.: 49259 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	312		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	301		33	10
120-82-1	1,2,4-Trichlorobenzene	271		33	10
95-50-1	1,2-Dichlorobenzene	212		33	10
541-73-1	1,3-Dichlorobenzene	212		33	10
106-46-7	1,4-Dichlorobenzene	214		33	10
90-12-0	1-Methylnaphthalene	304		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	235		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	294		33	10
95-95-4	2,4,5-Trichlorophenol	335		33	10
88-06-2	2,4,6-Trichlorophenol	324		33	10
120-83-2	2,4-Dichlorophenol	321		33	10
105-67-9	2,4-Dimethylphenol	343		33	13
51-28-5	2,4-Dinitrophenol	260		33	10
121-14-2	2,4-Dinitrotoluene	304		33	10
606-20-2	2,6-Dinitrotoluene	326		33	10
91-58-7	2-Chloronaphthalene	216		33	10
95-57-8	2-Chlorophenol	246		33	10
91-57-6	2-Methylnaphthalene	289		33	10
95-48-7	2-Methylphenol	268		33	20
88-74-4	2-Nitroaniline	283		170	10
88-75-5	2-Nitrophenol	304		33	10
15831-10-4	3 & 4 Methylphenol	280		33	10
91-94-1	3,3'-Dichlorobenzidine	373		67	10
99-09-2	3-Nitroaniline	365		170	10
534-52-1	4,6-Dinitro-2-methylphenol	299		170	10
101-55-3	4-Bromophenyl phenyl ether	317		33	10
59-50-7	4-Chloro-3-methylphenol	334		67	10
106-47-8	4-Chloroaniline	292		67	10
7005-72-3	4-Chlorophenyl phenyl ether	310		33	10
100-01-6	4-Nitroaniline	327		170	10
100-02-7	4-Nitrophenol	343		170	10
83-32-9	Acenaphthene	339		33	10
208-96-8	Acenaphthylene	309		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: | Lab Sample ID: LCSD 360-48924/3-A

Matrix: Solid | Lab File ID: J03052.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/14/2009 13:00

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 20:47

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.: 49259 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	271		33	10
62-53-3	Aniline	109		33	10
120-12-7	Anthracene	401		33	10
1912-24-9	Atrazine	371		33	10
103-33-3	Azobenzene	332		33	10
100-52-7	Benzaldehyde	271		33	10
56-55-3	Benzo[a]anthracene	406		33	10
50-32-8	Benzo[a]pyrene	375		33	10
205-99-2	Benzo[b]fluoranthene	351		33	10
191-24-2	Benzo[g,h,i]perylene	413		33	10
207-08-9	Benzo[k]fluoranthene	369		33	10
65-85-0	Benzoic acid	121	J	170	15
119-61-9	Benzophenone	355		33	10
100-51-6	Benzyl alcohol	253		67	28
111-91-1	Bis(2-chloroethoxy)methane	311		33	10
111-44-4	Bis(2-chloroethyl)ether	228		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	363		33	10
85-68-7	Butyl benzyl phthalate	342		33	10
105-60-2	Caprolactam	352		33	10
86-74-8	Carbazole	367		33	10
218-01-9	Chrysene	378		33	10
53-70-3	Dibenz(a,h)anthracene	378		33	10
132-64-9	Dibenzofuran	295		33	10
84-66-2	Diethyl phthalate	342		33	10
131-11-3	Dimethyl phthalate	326		33	10
84-74-2	Di-n-butyl phthalate	421		33	29
117-84-0	Di-n-octyl phthalate	328		33	17
101-84-8	Diphenyl oxide	324		33	10
206-44-0	Fluoranthene	382		33	10
86-73-7	Fluorene	363		33	10
118-74-1	Hexachlorobenzene	302		33	10
87-68-3	Hexachlorobutadiene	273		33	10
77-47-4	Hexachlorocyclopentadiene	256		67	10
67-72-1	Hexachloroethane	225		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-2

SDG No.: OCRI-10A

Client Sample ID: | Lab Sample ID: LCSD 360-48924/3-A

Matrix: Solid | Lab File ID: J03052.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/14/2009 13:00

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 20:47

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.: 49259 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	382		33	10
78-59-1	Isophorone	256		33	10
91-20-3	Naphthalene	283		80	10
98-95-3	Nitrobenzene	308		33	10
62-75-9	N-Nitrosodimethylamine	271		33	12
621-64-7	N-Nitrosodi-n-propylamine	268		33	10
86-30-6	N-Nitrosodiphenylamine	247		33	10
87-86-5	Pentachlorophenol	341		33	10
85-01-8	Phenanthrene	338		40	10
108-95-2	Phenol	259		33	10
129-00-0	Pyrene	369		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	90	30-130	
321-60-8	2-Fluorobiphenyl	79	30-130	
367-12-4	2-Fluorophenol	68	30-130	
4165-60-0	Nitrobenzene-d5	84	30-130	
4165-62-2	Phenol-d5	71	30-130	
1718-51-0	Terphenyl-d14	86	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03052.D		
Lims ID:	LCSD 360-48924/3-A	Client ID:	
Inject. Date:	21-Sep-2009 20:47:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	lcsd 360-48924/3-a		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	49259	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 16:02:01	Calib Date:	21-Sep-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 08:54:42

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.302	6.302	0.000	96747	2.00	
* 2 Naphthalene-d8	136	7.638	7.643	-0.005	179690	2.00	
* 3 Acenaphthene-d10	164	9.370	9.370	0.000	90517	2.00	
* 4 Phenanthrene-d10	188	10.807	10.808	-0.001	141450	2.00	
* 5 Chrysene-d12	240	13.375	13.371	0.004	98827	2.00	
* 6 Perylene-d12	264	14.707	14.708	-0.001	69595	2.00	
$ 7 2-Fluorophenol	112	4.493	4.436	0.057	208101	6.75	
$ 8 Phenol-d5	99	5.975	5.965	0.010	254941	7.08	
$ 9 Nitrobenzene-d5	82	6.917	6.917	0.000	117521	4.20	
$ 10 2-Fluorobiphenyl	172	8.735	8.735	0.000	226903	3.95	
$ 11 2,4,6-Tribromophenol	330	10.139	10.139	0.000	58132	8.96	
$ 12 Terphenyl-d14	244	12.385	12.385	0.000	179786	4.29	
14 1,4-Dioxane	88	1.449	1.363	0.086	55205	4.64	
16 Pyridine	79	1.757	1.681	0.077	172061	6.03	
15 N-Nitrosodimethylamine	74	1.748	1.685	0.063	124510	8.14	
19 Aniline	93	5.926	5.927	-0.001	145474	3.27	
18 Phenol	94	5.989	5.980	0.009	302098	7.78	
21 2-Chlorophenol	128	6.061	6.052	0.009	233229	7.37	
20 Bis(2-chloroethyl)ether	93	6.056	6.057	0.000	220651	6.84	
22 1,4-Dichlorobenzene	146	6.225	6.225	0.000	238649	6.43	
23 1,3-Dichlorobenzene	146	6.321	6.321	0.000	246421	6.36	
25 1,2-Dichlorobenzene	146	6.479	6.480	-0.001	232308	6.35	
24 Benzyl alcohol	79	6.504	6.499	0.005	215301	7.58	
26 2-Methylphenol	108	6.657	6.653	0.004	219573	8.05	
27 2,2'-oxybis[1-chloropropane]	45	6.672	6.662	0.010	235774	7.05	
30 Acetophenone	105	6.773	6.768	0.005	326869	8.12	
17 Benzaldehyde	105	6.773	6.768	0.005	326869	8.12	
29 N-Nitrosodi-n-propylamine	70	6.802	6.802	0.000	172982	8.03	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	6.826	6.826	0.000	237487	8.40	
31 Hexachloroethane	117	6.840	6.840	0.000	97272	6.76	
32 Nitrobenzene	77	6.936	6.937	-0.001	260065	9.25	
33 Isophorone	82	7.201	7.201	0.000	397789	7.69	
34 2-Nitrophenol	139	7.273	7.273	0.000	125447	9.12	
35 2,4-Dimethylphenol	107	7.364	7.360	0.004	261292	10.3	
37 Bis(2-chloroethoxy)methane	93	7.456	7.456	0.000	269334	9.34	
36 Benzoic acid	105	7.465	7.458	0.007	16442	3.63	
38 2,4-Dichlorophenol	162	7.523	7.523	0.000	191333	9.63	
39 1,2,4-Trichlorobenzene	180	7.600	7.595	0.005	191681	8.13	
41 Naphthalene	128	7.662	7.663	-0.001	687786	8.48	
40 Alpha-Terpineol	59	7.711	7.711	-0.001	160393	8.79	
42 4-Chloroaniline	127	7.749	7.744	0.005	250265	8.75	
43 Hexachlorobutadiene	225	7.811	7.812	-0.001	105730	8.18	
44 Caprolactam	55	8.090	8.057	0.033	88427	10.5	
45 4-Chloro-3-methylphenol	107	8.259	8.254	0.005	235763	10.0	
46 2-Methylnaphthalene	142	8.360	8.360	0.000	444360	8.67	
47 1-Methylnaphthalene	142	8.451	8.451	0.000	457891	9.13	
48 Hexachlorocyclopentadiene	237	8.523	8.523	0.000	76708	7.67	
49 1,2,4,5-Tetrachlorobenzene	216	8.528	8.528	0.000	176841	9.02	
50 2,4,6-Trichlorophenol	196	8.653	8.653	0.000	130724	9.71	
51 2,4,5-Trichlorophenol	196	8.687	8.682	0.005	140492	10.0	
52 1,1'-Biphenyl	154	8.826	8.826	0.000	566271	9.37	
53 2-Chloronaphthalene	162	8.831	8.831	0.000	408102	6.49	
54 Phenyl ether	170	8.937	8.937	0.000	307801	9.72	
68 4-Nitroaniline	138	8.951	8.947	0.004	158857	9.81	
56 Dimethyl phthalate	163	9.153	9.153	0.000	527629	9.77	
63 2,4-Dinitrotoluene	165	9.201	9.201	0.000	114926	9.12	
58 Acenaphthylene	152	9.230	9.226	0.004	668145	9.26	
61 Acenaphthene	153	9.403	9.399	0.004	502097	10.2	
60 2,4-Dinitrophenol	184	9.466	9.466	0.000	25511	7.80	
62 4-Nitrophenol	109	9.547	9.543	0.004	75656	10.3	
64 Dibenzofuran	168	9.572	9.572	0.000	589206	8.86	
57 2,6-Dinitrotoluene	165	9.591	9.591	0.000	154843	9.77	
65 2,3,4,6-Tetrachlorophenol	232	9.706	9.706	0.000	94279	8.83	
66 Diethyl phthalate	149	9.850	9.846	0.004	561494	10.3	
69 Fluorene	166	9.903	9.904	-0.001	561884	10.9	
67 4-Chlorophenyl phenyl ether	204	9.927	9.928	-0.001	231303	9.29	
59 3-Nitroaniline	138	9.947	9.937	0.010	113180	11.0	
70 4,6-Dinitro-2-methylphenol	198	9.985	9.980	0.005	60832	8.98	
72 N-Nitrosodiphenylamine	169	10.048	10.043	0.005	312224	7.42	
73 1,2-Diphenylhydrazine	77	10.076	10.077	-0.001	866835	9.95	
74 Azobenzene	77	10.076	10.077	-0.001	866835	9.95	
13 Benzophenone	105	10.091	10.091	0.000	550228	10.7	
55 2-Nitroaniline	65	10.394	10.394	0.000	18012	8.50	
75 4-Bromophenyl phenyl ether	248	10.399	10.399	0.000	124976	9.50	
76 Hexachlorobenzene	284	10.437	10.437	0.000	133331	9.07	
77 Atrazine	200	10.596	10.591	0.005	150237	11.1	
78 Pentachlorophenol	266	10.639	10.644	-0.005	68702	10.2	
79 Pentachloronitrobenzene	237	10.653	10.649	0.004	64520	10.1	
80 Phenanthrene	178	10.831	10.827	0.004	725569	10.1	
81 Anthracene	178	10.880	10.880	0.000	738492	12.0	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.053	11.048	0.005	584589	11.0	
84 Di-n-butyl phthalate	149	11.447	11.447	0.000	1111981	12.6	
87 Fluoranthene	202	11.981	11.981	0.000	651656	11.5	
86 Benzidine	184	12.144	12.149	-0.005	4954	0.9734	
85 Pyrene	202	12.197	12.193	0.004	746061	11.1	
89 Butyl benzyl phthalate	149	12.894	12.895	-0.001	362043	10.3	
93 Benzo[a]anthracene	228	13.366	13.366	0.000	542193	12.2	
91 3,3'-Dichlorobenzidine	252	13.370	13.371	-0.001	140668	11.2	
94 Chrysene	228	13.399	13.395	0.004	484485	11.3	
92 Bis(2-ethylhexyl) phthalate	149	13.481	13.481	0.000	528055	10.9	
95 Di-n-octyl phthalate	149	14.092	14.092	0.000	713129	9.83	
97 Benzo[b]fluoranthene	252	14.371	14.366	0.005	449551	10.5	
98 Benzo[k]fluoranthene	252	14.395	14.390	0.005	442118	11.1	
99 Benzo[a]pyrene	252	14.659	14.659	0.000	353266	11.3	
100 Indeno[1,2,3-cd]pyrene	276	15.616	15.616	0.000	317517	11.5	
101 Dibenz(a,h)anthracene	278	15.635	15.631	0.004	257411	11.3	
102 Benzo[g,h,i]perylene	276	15.823	15.818	0.005	273905	12.4	

Report Date: 24-Sep-2009 08:54:43 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03052.D

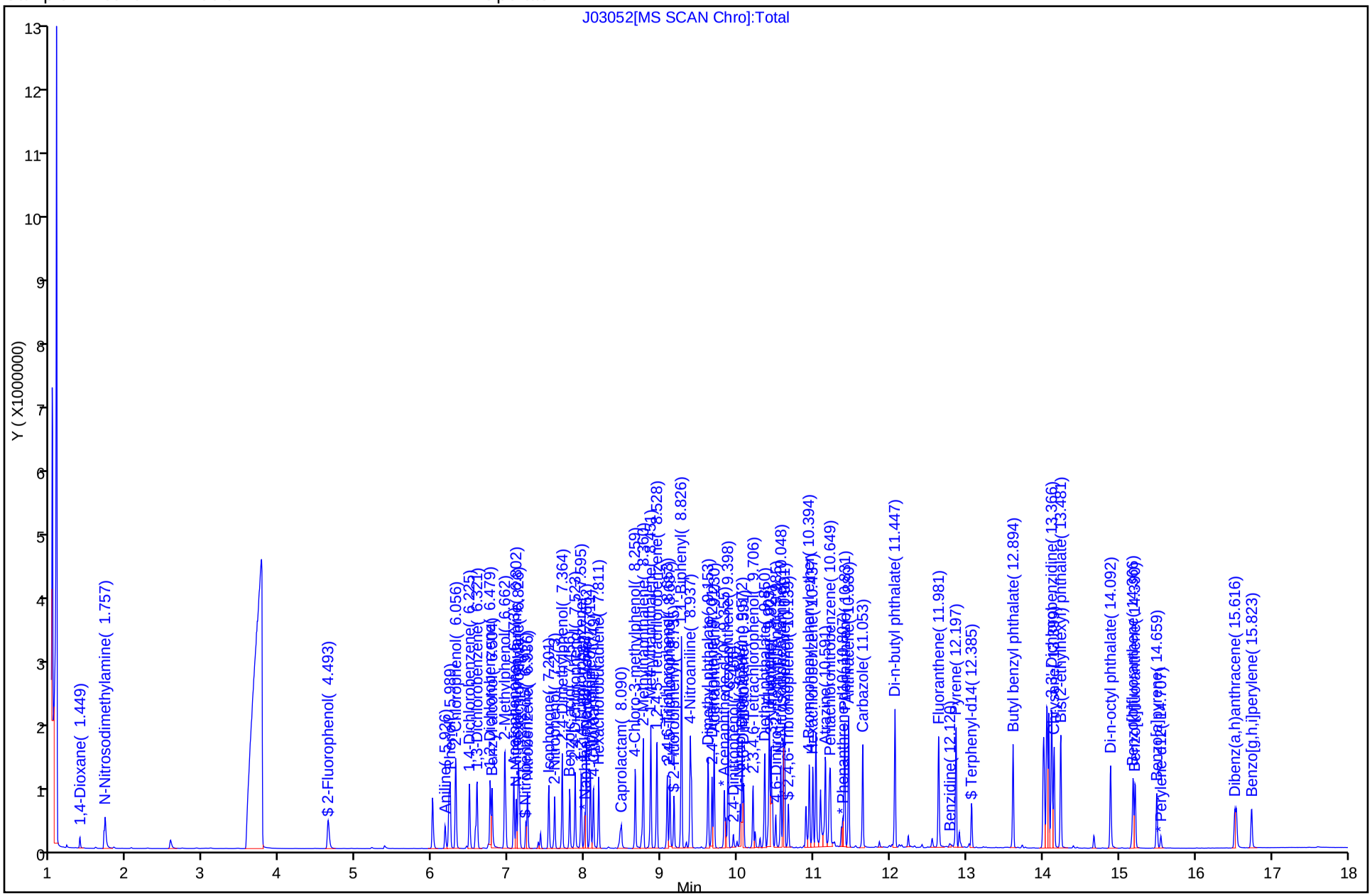
Inj Date: 21-Sep-2009 20:47:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 14

Client ID: Instrument: Inst. J

Sample Info: lcsd 360-48924/3-a

Sample Amount: 1.00 ul Operator:



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

Instrument ID: Inst. B Start Date: 09/21/2009 14:53

Analysis Batch Number: 49265 End Date: 09/21/2009 21:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49265/1		09/21/2009 14:53	1	B10438.D	Rtx-5ms 0.25(um)
STD5 360-49265/2 ICIS		09/21/2009 15:24	1		Rtx-5ms 0.25(um)
STD01 360-49265/3 IC		09/21/2009 15:55	1	B10440.D	Rtx-5ms 0.25(um)
STD025 360-49265/4 IC		09/21/2009 16:25	1	B10441.D	Rtx-5ms 0.25(um)
STD05 360-49265/5 IC		09/21/2009 16:56	1	B10442.D	Rtx-5ms 0.25(um)
STD1 360-49265/6 IC		09/21/2009 17:27	1	B10443.D	Rtx-5ms 0.25(um)
STD25 360-49265/7 IC		09/21/2009 17:58	1	B10444.D	Rtx-5ms 0.25(um)
STD8 360-49265/8 IC		09/21/2009 18:29	1	B10445.D	Rtx-5ms 0.25(um)
STD10 360-49265/9 IC		09/21/2009 19:00	1	B10446.D	Rtx-5ms 0.25(um)
STD20 360-49265/10 IC		09/21/2009 19:31	1	B10447.D	Rtx-5ms 0.25(um)
ICV 360-49265/11		09/21/2009 20:02	1		Rtx-5ms 0.25(um)
MB 360-48854/1-A		09/21/2009 20:33	1	B10449.D	Rtx-5ms 0.25(um)
LCS 360-48854/2-A		09/21/2009 21:05	1	B10450.D	Rtx-5ms 0.25(um)
LCSD 360-48854/3-A		09/21/2009 21:36	1	B10451.D	Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

Instrument ID: Inst. B Start Date: 09/21/2009 22:07

Analysis Batch Number: 49266 End Date: 09/22/2009 09:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49266/15		09/21/2009 22:07	1	B10452.D	Rtx-5ms 0.25(um)
CCV 360-49266/16 CCVIS		09/21/2009 22:38	1	B10453.D	Rtx-5ms 0.25(um)
ZZZZZ		09/21/2009 23:09	1		Rtx-5ms 0.25(um)
ZZZZZ		09/21/2009 23:40	100		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 00:11	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 00:42	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 01:13	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 01:44	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 02:15	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 02:46	10		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 03:17	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 03:48	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 04:19	10		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 04:50	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 05:21	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 05:52	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 06:23	1		Rtx-5ms 0.25(um)
360-24417-2	OC-SB-463-28/30-XXX	09/22/2009 06:54	1	B10467.D	Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 07:25	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 07:56	1		Rtx-5ms 0.25(um)
360-24417-5	OC-SB-464-26/28-XXX	09/22/2009 08:27	1	B10470.D	Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 08:58	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 09:29	10		Rtx-5ms 0.25(um)
360-24417-12	OC-SB-468-31/33-XXX	09/22/2009 09:59	1	B10473.D	Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

Instrument ID: Inst. J Start Date: 09/21/2009 14:57

Analysis Batch Number: 49259 End Date: 09/21/2009 20:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49259/1		09/21/2009 14:57	1	J03039.D	Rtx-5ms 0.25(um)
STD5 360-49259/2 ICIS		09/21/2009 15:23	1	J03040.D	Rtx-5ms 0.25(um)
STD01 360-49259/3 IC		09/21/2009 15:50	1	J03041.D	Rtx-5ms 0.25(um)
STD025 360-49259/4 IC		09/21/2009 16:17	1	J03042.D	Rtx-5ms 0.25(um)
STD05 360-49259/5 IC		09/21/2009 16:44	1	J03043.D	Rtx-5ms 0.25(um)
STD1 360-49259/6 IC		09/21/2009 17:11	1	J03044.D	Rtx-5ms 0.25(um)
STD25 360-49259/7 IC		09/21/2009 17:39	1	J03045.D	Rtx-5ms 0.25(um)
STD8 360-49259/8 IC		09/21/2009 18:06	1	J03046.D	Rtx-5ms 0.25(um)
STD10 360-49259/9 IC		09/21/2009 18:33	1	J03047.D	Rtx-5ms 0.25(um)
STD20 360-49259/10 IC		09/21/2009 18:59	1	J03048.D	Rtx-5ms 0.25(um)
ICV 360-49259/11		09/21/2009 19:26	1		Rtx-5ms 0.25(um)
MB 360-48924/1-A		09/21/2009 19:53	1	J03050.D	Rtx-5ms 0.25(um)
LCS 360-48924/2-A		09/21/2009 20:20	1	J03051.D	Rtx-5ms 0.25(um)
LCSD 360-48924/3-A		09/21/2009 20:47	1	J03052.D	Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

Instrument ID: Inst. J Start Date: 09/21/2009 21:14

Analysis Batch Number: 49260 End Date: 09/22/2009 06:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49260/15		09/21/2009 21:14	1	J03053.D	Rtx-5ms 0.25(um)
CCV 360-49260/16 CCVIS		09/21/2009 21:41	1	J03054.D	Rtx-5ms 0.25(um)
ZZZZZ		09/21/2009 22:09	1		Rtx-5ms 0.25(um)
ZZZZZ		09/21/2009 22:36	1		Rtx-5ms 0.25(um)
ZZZZZ		09/21/2009 23:03	1		Rtx-5ms 0.25(um)
ZZZZZ		09/21/2009 23:30	1		Rtx-5ms 0.25(um)
360-24417-8	OC-SB-465-16/18-XXX	09/21/2009 23:57	1	J03059.D	Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 00:24	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 00:51	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 01:18	10		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 01:45	1		Rtx-5ms 0.25(um)
360-24417-16	OC-SB-471-26/28-XXX	09/22/2009 02:12	1	J03064.D	Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 02:39	10		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 03:05	10		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 03:32	10		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 03:59	10		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 04:26	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 04:53	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 05:20	10		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 05:47	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 06:13	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 06:40	1		Rtx-5ms 0.25(um)

Organic Prep Worksheet

Batch Number: 360-48854
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 11 2009 11:42AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	ABN SURR_00010	OlinLCSextras_00001	OP-abnms_00063
MB~360-48854/1		3546, 8270C LL		30.00 g	1.0 mL	50 uL		
LCS~360-48854/2		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
LCSD~360-48854/3		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
360-24365-A-4	OC-SB-442-8.0/10-XXX		T	30.19 g	1.0 mL	50 uL		
360-24365-A-4~MS	OC-SB-442-8.0/10-XMS		T	30.39 g	1.0 mL	50 uL	.100 mL	100 uL
360-24365-A-4~MSD	OC-SB-442-8.0/10-MSD		T	30.29 g	1.0 mL	50 uL	.100 mL	100 uL
360-24365-A-9	OC-SB-452-13/15-XXX		T	30.03 g	1.0 mL	50 uL		
360-24365-A-10	OC-SB-452-5.0/7.0-XXX		T	30.46 g	1.0 mL	50 uL		
360-24365-A-13	OC-SB-458-0.0/1.0-XXX		T	30.33 g	1.0 mL	50 uL		
360-24365-A-14	OC-SB-458-22/24-XXX		T	30.42 g	1.0 mL	50 uL		
360-24365-A-15	OC-SB-458-5.0/7.0-XXX		T	30.17 g	1.0 mL	50 uL		
360-24365-A-16	OC-SB-460-0.0/1.0-XXX		T	30.25 g	1.0 mL	50 uL		
360-24365-A-17	OC-SB-460-30/32-XXX		T	30.15 g	1.0 mL	50 uL		
360-24365-A-18	OC-SB-460-5.5/7.5-XXX		T	30.36 g	1.0 mL	50 uL		
360-24365-A-20	OC-PE-SS1039-SVOC		T	30.29 g	1.0 mL	50 uL		
360-24417-A-1	OC-SB-463-0.0/1.0-XXX		T	30.37 g	1.0 mL	50 uL		
360-24417-A-2	OC-SB-463-28/30-XXX		T	30.61 g	1.0 mL	50 uL		
360-24417-A-3	OC-SB-463-6.0/8.0-XXX		T	30.67 g	1.0 mL	50 uL		
360-24417-A-4	OC-SB-464-0.0/1.0-XXX		T	30.48 g	1.0 mL	50 uL		
360-24417-A-5	OC-SB-464-26/28-XXX		T	30.03 g	1.0 mL	50 uL		
360-24417-A-6	OC-SB-464-5.0/7.0-XXX		T	30.53 g	1.0 mL	50 uL		
360-24417-A-11	OC-SB-468-0.0/1.0-XXX		T	30.14 g	1.0 mL	50 uL		
360-24417-A-12	OC-SB-468-31/33-XXX		T	30.28 g	1.0 mL	50 uL		
360-24365-A-9	OC-SB-452-13/15-XXX		T	30.03 g	1.0 mL	50 uL		
360-24365-A-14	OC-SB-458-22/24-XXX		T	30.42 g	1.0 mL	50 uL		

Organic Prep Worksheet

Batch Number: 360-48854
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 11 2009 11:42AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	ABN SURR_00010	OlinLCSextras_00001	OP-abnms_00063
360-24365-A-17	OC-SB-460-30/32-XXX		T	30.15 g	1.0 mL	50 uL		
360-24417-A-2	OC-SB-463-28/30-XXX	3546, 8270C LL	T	30.61 g	1.0 mL	50 uL		
360-24417-A-5	OC-SB-464-26/28-XXX	3546, 8270C LL	T	30.03 g	1.0 mL	50 uL		
360-24417-A-12	OC-SB-468-31/33-XXX	3546, 8270C LL	T	30.28 g	1.0 mL	50 uL		

Organic Prep Worksheet

Batch Number: 360-48854
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 11 2009 11:42AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~360-48854/1		3546, 8270C LL		
LCS~360-48854/2		3546, 8270C LL		
LCSD~360-48854/3		3546, 8270C LL		
360-24365-A-4	OC-SB-442-8.0/10-XXX		T	
360-24365-A-4~MS	OC-SB-442-8.0/10-XMS		T	
360-24365-A-4~MSD	OC-SB-442-8.0/10-MSD		T	
360-24365-A-9	OC-SB-452-13/15-XXX		T	
360-24365-A-10	OC-SB-452-5.0/7.0-XXX		T	
360-24365-A-13	OC-SB-458-0.0/1.0-XXX		T	
360-24365-A-14	OC-SB-458-22/24-XXX		T	
360-24365-A-15	OC-SB-458-5.0/7.0-XXX		T	
360-24365-A-16	OC-SB-460-0.0/1.0-XXX		T	
360-24365-A-17	OC-SB-460-30/32-XXX		T	
360-24365-A-18	OC-SB-460-5.5/7.5-XXX		T	
360-24365-A-20	OC-PE-SS1039-SVOC		T	PE sample
360-24417-A-1	OC-SB-463-0.0/1.0-XXX		T	
360-24417-A-2	OC-SB-463-28/30-XXX		T	
360-24417-A-3	OC-SB-463-6.0/8.0-XXX		T	
360-24417-A-4	OC-SB-464-0.0/1.0-XXX		T	
360-24417-A-5	OC-SB-464-26/28-XXX		T	
360-24417-A-6	OC-SB-464-5.0/7.0-XXX		T	
360-24417-A-11	OC-SB-468-0.0/1.0-XXX		T	
360-24417-A-12	OC-SB-468-31/33-XXX		T	
360-24365-A-9	OC-SB-452-13/15-XXX		T	
360-24365-A-14	OC-SB-458-22/24-XXX		T	

Organic Prep Worksheet

Batch Number: 360-48854
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 11 2009 11:42AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
360-24365-A-17	OC-SB-460-30/32-XXX		T	
360-24417-A-2	OC-SB-463-28/30-XXX	3546, 8270C LL	T	
360-24417-A-5	OC-SB-464-26/28-XXX	3546, 8270C LL	T	
360-24417-A-12	OC-SB-468-31/33-XXX	3546, 8270C LL	T	

Organic Prep Worksheet

Batch Number: 360-48924
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 14 2009 1:00PM
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~360-48924/1		3546, 8270C LL		30.00 g	1.0 mL	50 uL		
LCS~360-48924/2		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
LCSD~360-48924/3		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
360-24417-A-10	OC-SB-465-8.0/10-XXX		T	30.01 g	1.0 mL	50 uL		
360-24417-A-10~MS	OC-SB-465-8.0/10-XMS		T	30.20 g	1.0 mL	50 uL	.100 mL	100 uL
360-24417-A-10~MSD	OC-SB-465-8.0/10-MSD		T	30.15 g	1.0 mL	50 uL	.100 mL	100 uL
360-24417-A-7	OC-SB-465-0.0/1.0-XXX		T	30.13 g	1.0 mL	50 uL		
360-24417-A-8	OC-SB-465-16/18-XXX		T	30.21 g	1.0 mL	50 uL		
360-24417-A-9	OC-SB-465-8.0/10-DUP		T	30.15 g	1.0 mL	50 uL		
360-24417-A-13	OC-SB-468-8.0/10-XXX		T	30.70 g	1.0 mL	50 uL		
360-24417-A-14	OC-SB-471-0.0/1.0-XXX		T	30.75 g	1.0 mL	50 uL		
360-24417-A-15	OC-SB-471-3.0/5.0-XXX		T	30.07 g	1.0 mL	50 uL		
360-24417-A-16	OC-SB-471-26/28-XXX		T	30.38 g	1.0 mL	50 uL		
360-24444-A-1	OC-SB-459-6.0/8.0-DUP		T	30.21 g	1.0 mL	50 uL		
360-24444-A-2	OC-SB-459-6.0/8.0-XXX		T	30.15 g	1.0 mL	50 uL		
360-24444-A-2~MS	OC-SB-459-6.0/8.0-XMS		T	30.42 g	1.0 mL	50 uL	.100 mL	100 uL
360-24444-A-2~MSD	OC-SB-459-6.0/8.0-MSD		T	30.28 g	1.0 mL	50 uL	.100 mL	100 uL
360-24444-A-3	OC-SB-462-0.0/1.0-XXX		T	30.39 g	1.0 mL	50 uL		
360-24444-A-4	OC-SB-462-31/33-XXX		T	30.04 g	1.0 mL	50 uL		
360-24444-A-5	OC-SB-462-4.0/6.0-XXX		T	30.04 g	1.0 mL	50 uL		
360-24444-A-7	OC-SB-467-30/32-XXX		T	30.23 g	1.0 mL	50 uL		
360-24444-A-8	OC-SB-467-6.0/8.0-DUP		T	30.43 g	1.0 mL	50 uL		
360-24444-A-9	OC-SB-467-6.0/8.0-XXX		T	30.42 g	1.0 mL	50 uL		
360-24417-A-8	OC-SB-465-16/18-XXX	3546, 8270C LL	T	30.21 g	1.0 mL	50 uL		
360-24417-A-16	OC-SB-471-26/28-XXX	3546, 8270C LL	T	30.38 g	1.0 mL	50 uL		

Organic Prep Worksheet

Batch Number: 360-48924
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 14 2009 1:00PM
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
360-24444-A-4	OC-SB-462-31/33-XXX		T	30.04 g	1.0 mL	50 uL		
360-24444-A-7	OC-SB-467-30/32-XXX		T	30.23 g	1.0 mL	50 uL		

Organic Prep Worksheet

Batch Number: 360-48924
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 14 2009 1:00PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~360-48924/1		3546, 8270C LL		
LCS~360-48924/2		3546, 8270C LL		
LCSD~360-48924/3		3546, 8270C LL		
360-24417-A-10	OC-SB-465-8.0/10-XXX		T	
360-24417-A-10~MS	OC-SB-465-8.0/10-XMS		T	possible double olin extra spike
360-24417-A-10~MSD	OC-SB-465-8.0/10-MSD		T	
360-24417-A-7	OC-SB-465-0.0/1.0-XXX		T	
360-24417-A-8	OC-SB-465-16/18-XXX		T	
360-24417-A-9	OC-SB-465-8.0/10-DUP		T	
360-24417-A-13	OC-SB-468-8.0/10-XXX		T	
360-24417-A-14	OC-SB-471-0.0/1.0-XXX		T	
360-24417-A-15	OC-SB-471-3.0/5.0-XXX		T	
360-24417-A-16	OC-SB-471-26/28-XXX		T	
360-24444-A-1	OC-SB-459-6.0/8.0-DUP		T	
360-24444-A-2	OC-SB-459-6.0/8.0-XXX		T	
360-24444-A-2~MS	OC-SB-459-6.0/8.0-XMS		T	
360-24444-A-2~MSD	OC-SB-459-6.0/8.0-MSD		T	
360-24444-A-3	OC-SB-462-0.0/1.0-XXX		T	
360-24444-A-4	OC-SB-462-31/33-XXX		T	
360-24444-A-5	OC-SB-462-4.0/6.0-XXX		T	
360-24444-A-7	OC-SB-467-30/32-XXX		T	
360-24444-A-8	OC-SB-467-6.0/8.0-DUP		T	
360-24444-A-9	OC-SB-467-6.0/8.0-XXX		T	
360-24417-A-8	OC-SB-465-16/18-XXX	3546, 8270C LL	T	
360-24417-A-16	OC-SB-471-26/28-XXX	3546, 8270C LL	T	

Organic Prep Worksheet

Batch Number: 360-48924
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 14 2009 1:00PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
360-24444-A-4	OC-SB-462-31/33-XXX		T	
360-24444-A-7	OC-SB-467-30/32-XXX		T	

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24417-2

SDG No.: OCRI-10A

Project: Olin Chemical Superfund Site

Client Sample ID	Lab Sample ID
OC-SB-463-28/30-XXX	360-24417-2
OC-SB-464-26/28-XXX	360-24417-5
OC-SB-465-16/18-XXX	360-24417-8
OC-SB-468-31/33-XXX	360-24417-12
OC-SB-471-26/28-XXX	360-24417-16

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-463-28/30-XXX
Lab Sample ID: 360-24417-2
Lab Name: TestAmerica Westfield
Job No.: 360-24417-2
SDG ID.: OCRI-10A
Matrix: Solid
Date Sampled: 09/01/2009 14:50
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 90.8

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	8100	2.8	0.72	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.55	0.20	mg/Kg			1	6010B
7440-38-2	Arsenic	3.0	1.1	0.10	mg/Kg			1	6010B
7440-39-3	Barium	31	0.55	0.072	mg/Kg			1	6010B
7440-41-7	Beryllium	0.24	0.22	0.028	mg/Kg			1	6010B
7440-43-9	Cadmium	0.24	0.22	0.0077	mg/Kg			1	6010B
7440-70-2	Calcium	2900	11	2.8	mg/Kg		B	1	6010B
7440-47-3	Chromium	16	0.55	0.074	mg/Kg			1	6010B
7440-48-4	Cobalt	9.9	0.55	0.072	mg/Kg			1	6010B
7440-50-8	Copper	16	1.1	0.072	mg/Kg			1	6010B
7439-89-6	Iron	16000	5.5	0.88	mg/Kg		B	1	6010B
7439-92-1	Lead	2.5	0.55	0.063	mg/Kg			1	6010B
7439-95-4	Magnesium	6500	11	0.55	mg/Kg		B	1	6010B
7439-96-5	Manganese	330	1.1	0.074	mg/Kg			1	6010B
7440-02-0	Nickel	15	1.1	0.072	mg/Kg			1	6010B
7440-09-7	Potassium	1700	220	35	mg/Kg			1	6010B
7782-49-2	Selenium	0.31	0.55	0.26	mg/Kg	J		1	6010B
7440-22-4	Silver	ND	0.55	0.056	mg/Kg			1	6010B
7440-23-5	Sodium	71	110	14	mg/Kg	J		1	6010B
7440-28-0	Thallium	0.20	1.1	0.080	mg/Kg	J		1	6010B
7440-62-2	Vanadium	20	1.1	0.072	mg/Kg			1	6010B
7440-66-6	Zinc	27	2.8	0.65	mg/Kg			1	6010B
7440-31-5	Tin	5.0	5.5	0.35	mg/Kg	J	B ^	1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-464-26/28-XXX
Lab Sample ID: 360-24417-5
Lab Name: TestAmerica Westfield
Job No.: 360-24417-2
SDG ID.: OCRI-10A
Matrix: Solid
Date Sampled: 09/01/2009 16:50
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 92.5

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	9600	3.4	0.88	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.68	0.24	mg/Kg			1	6010B
7440-38-2	Arsenic	3.2	1.4	0.12	mg/Kg			1	6010B
7440-39-3	Barium	62	0.68	0.088	mg/Kg			1	6010B
7440-41-7	Beryllium	0.22	0.27	0.034	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.22	0.27	0.0095	mg/Kg	J		1	6010B
7440-70-2	Calcium	3700	14	3.4	mg/Kg		B	1	6010B
7440-47-3	Chromium	53	0.68	0.090	mg/Kg			1	6010B
7440-48-4	Cobalt	11	0.68	0.088	mg/Kg			1	6010B
7440-50-8	Copper	50	1.4	0.088	mg/Kg			1	6010B
7439-89-6	Iron	15000	6.8	1.1	mg/Kg		B	1	6010B
7439-92-1	Lead	7.4	0.68	0.077	mg/Kg			1	6010B
7439-95-4	Magnesium	7100	14	0.68	mg/Kg		B	1	6010B
7439-96-5	Manganese	230	1.4	0.090	mg/Kg			1	6010B
7440-02-0	Nickel	23	1.4	0.088	mg/Kg			1	6010B
7440-09-7	Potassium	3700	270	42	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.68	0.32	mg/Kg			1	6010B
7440-22-4	Silver	0.38	0.68	0.068	mg/Kg	J		1	6010B
7440-23-5	Sodium	450	140	18	mg/Kg			1	6010B
7440-28-0	Thallium	0.13	1.4	0.098	mg/Kg	J		1	6010B
7440-62-2	Vanadium	24	1.4	0.088	mg/Kg			1	6010B
7440-66-6	Zinc	28	3.4	0.79	mg/Kg			1	6010B
7440-31-5	Tin	19	6.8	0.43	mg/Kg		B ^	1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-465-16/18-XXX
Lab Sample ID: 360-24417-8
Lab Name: TestAmerica Westfield
Job No.: 360-24417-2
SDG ID.: OCRI-10A
Matrix: Solid
Date Sampled: 09/02/2009 08:25
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 90.4

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	4700	2.8	0.73	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.56	0.20	mg/Kg			1	6010B
7440-38-2	Arsenic	6.6	1.1	0.10	mg/Kg			1	6010B
7440-39-3	Barium	13	0.56	0.073	mg/Kg			1	6010B
7440-41-7	Beryllium	0.17	0.23	0.028	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.090	0.23	0.0079	mg/Kg	J		1	6010B
7440-70-2	Calcium	840	11	2.8	mg/Kg		B	1	6010B
7440-47-3	Chromium	9.2	0.56	0.075	mg/Kg			1	6010B
7440-48-4	Cobalt	2.5	0.56	0.073	mg/Kg			1	6010B
7440-50-8	Copper	6.2	1.1	0.073	mg/Kg			1	6010B
7439-89-6	Iron	7700	5.6	0.90	mg/Kg		B	1	6010B
7439-92-1	Lead	2.9	0.56	0.064	mg/Kg			1	6010B
7439-95-4	Magnesium	1700	11	0.56	mg/Kg		B	1	6010B
7439-96-5	Manganese	61	1.1	0.075	mg/Kg			1	6010B
7440-02-0	Nickel	6.5	1.1	0.073	mg/Kg			1	6010B
7440-09-7	Potassium	870	230	35	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.56	0.26	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.56	0.057	mg/Kg			1	6010B
7440-23-5	Sodium	47	110	15	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	1.1	0.082	mg/Kg			1	6010B
7440-62-2	Vanadium	9.3	1.1	0.073	mg/Kg			1	6010B
7440-66-6	Zinc	11	2.8	0.66	mg/Kg			1	6010B
7440-31-5	Tin	2.9	5.6	0.36	mg/Kg	J	B ^	1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-468-31/33-XXX
Lab Sample ID: 360-24417-12
Lab Name: TestAmerica Westfield
Job No.: 360-24417-2
SDG ID.: OCRI-10A
Matrix: Solid
Date Sampled: 09/02/2009 11:00
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 92.6

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5900	3.6	0.93	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.72	0.26	mg/Kg			1	6010B
7440-38-2	Arsenic	3.8	1.4	0.13	mg/Kg			1	6010B
7440-39-3	Barium	42	0.72	0.093	mg/Kg			1	6010B
7440-41-7	Beryllium	0.15	0.29	0.036	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.15	0.29	0.010	mg/Kg	J		1	6010B
7440-70-2	Calcium	3200	14	3.6	mg/Kg		B	1	6010B
7440-47-3	Chromium	23	0.72	0.095	mg/Kg			1	6010B
7440-48-4	Cobalt	7.1	0.72	0.093	mg/Kg			1	6010B
7440-50-8	Copper	14	1.4	0.093	mg/Kg			1	6010B
7439-89-6	Iron	12000	7.2	1.1	mg/Kg		B	1	6010B
7439-92-1	Lead	1.6	0.72	0.082	mg/Kg			1	6010B
7439-95-4	Magnesium	3800	14	0.72	mg/Kg		B	1	6010B
7439-96-5	Manganese	110	1.4	0.096	mg/Kg			1	6010B
7440-02-0	Nickel	15	1.4	0.093	mg/Kg			1	6010B
7440-09-7	Potassium	2000	290	45	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.72	0.33	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.72	0.072	mg/Kg			1	6010B
7440-23-5	Sodium	190	140	19	mg/Kg			1	6010B
7440-28-0	Thallium	ND	1.4	0.10	mg/Kg			1	6010B
7440-62-2	Vanadium	18	1.4	0.093	mg/Kg			1	6010B
7440-66-6	Zinc	19	3.6	0.84	mg/Kg			1	6010B
7440-31-5	Tin	7.9	7.2	0.46	mg/Kg		B ^	1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-471-26/28-XXX
Lab Sample ID: 360-24417-16
Lab Name: TestAmerica Westfield
Job No.: 360-24417-2
SDG ID.: OCRI-10A
Matrix: Solid
Date Sampled: 09/02/2009 14:30
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 92.0

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7800	3.0	0.78	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.60	0.22	mg/Kg			1	6010B
7440-38-2	Arsenic	3.6	1.2	0.11	mg/Kg			1	6010B
7440-39-3	Barium	43	0.60	0.078	mg/Kg			1	6010B
7440-41-7	Beryllium	0.20	0.24	0.030	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.20	0.24	0.0085	mg/Kg	J		1	6010B
7440-70-2	Calcium	3300	12	3.0	mg/Kg		B	1	6010B
7440-47-3	Chromium	21	0.60	0.080	mg/Kg			1	6010B
7440-48-4	Cobalt	9.6	0.60	0.078	mg/Kg			1	6010B
7440-50-8	Copper	16	1.2	0.078	mg/Kg			1	6010B
7439-89-6	Iron	16000	6.0	0.96	mg/Kg		B	1	6010B
7439-92-1	Lead	1.3	0.60	0.069	mg/Kg			1	6010B
7439-95-4	Magnesium	5200	12	0.60	mg/Kg		B	1	6010B
7439-96-5	Manganese	150	1.2	0.081	mg/Kg			1	6010B
7440-02-0	Nickel	15	1.2	0.078	mg/Kg			1	6010B
7440-09-7	Potassium	2500	240	38	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.60	0.28	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.60	0.061	mg/Kg			1	6010B
7440-23-5	Sodium	170	120	16	mg/Kg			1	6010B
7440-28-0	Thallium	ND	1.2	0.087	mg/Kg			1	6010B
7440-62-2	Vanadium	25	1.2	0.078	mg/Kg			1	6010B
7440-66-6	Zinc	23	3.0	0.71	mg/Kg			1	6010B
7440-31-5	Tin	6.9	6.0	0.39	mg/Kg		B ^	1	6010B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	ICV 360-49137/6 09/17/2009 11:26				CCV 360-49137/13 09/17/2009 11:46				CCV 360-49137/19 09/17/2009 12:40			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	971		1000	97	993		1000	99	997		1000	100
Al	974		1000	97	4980		5000	100	5010		5000	100
As	965		1000	96	991		1000	99	1000		1000	100
Ba	978		1000	98	997		1000	100	1000		1000	100
Be	978		1000	98	995		1000	99	1000		1000	100
Cd	978		1000	98	991		1000	99	997		1000	100
Co	982		1000	98	993		1000	99	999		1000	100
Cr	968		1000	97	993		1000	99	999		1000	100
Cu	969		1000	97	995		1000	100	1000		1000	100
Fe	961		1000	96	4970		5000	99	5000		5000	100
Mn	978		1000	98	993		1000	99	999		1000	100
Ni	978		1000	98	994		1000	99	996		1000	100
Pb	982		1000	98	995		1000	99	997		1000	100
Sb	935		1000	93	991		1000	99	998		1000	100
Se	987		1000	99	1000		1000	100	1000		1000	100
Tl	982		1000	98	998		1000	100	1010		1000	101
V	979		1000	98	994		1000	99	1000		1000	100
Zn	984		1000	98	991		1000	99	995		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.: 360-24417-2

SDG No.: OCRI-10A

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49137/21 09/17/2009 15:02				CCV 360-49137/31 09/17/2009 15:39				CCV 360-49137/43 09/17/2009 16:14			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	962		1000	96	969		1000	97	967		1000	97
Al	4820		5000	96	4850		5000	97	4830		5000	97
As	955		1000	96	962		1000	96	959		1000	96
Ba	969		1000	97	975		1000	97	974		1000	97
Be	959		1000	96	968		1000	97	964		1000	96
Cd	961		1000	96	973		1000	97	969		1000	97
Co	963		1000	96	972		1000	97	969		1000	97
Cr	962		1000	96	971		1000	97	968		1000	97
Cu	958		1000	96	965		1000	97	956		1000	96
Fe	4810		5000	96	4860		5000	97	4850		5000	97
Mn	961		1000	96	970		1000	97	966		1000	97
Ni	963		1000	96	976		1000	98	974		1000	97
Pb	959		1000	96	969		1000	97	963		1000	96
Sb	958		1000	96	964		1000	96	961		1000	96
Se	947		1000	95	957		1000	96	944		1000	94
Tl	969		1000	97	979		1000	98	978		1000	98
V	963		1000	96	971		1000	97	969		1000	97
Zn	959		1000	96	972		1000	97	968		1000	97

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49137/53 09/17/2009 16:43											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	973		1000	97								
Al	4870		5000	97								
As	962		1000	96								
Ba	981		1000	98								
Be	967		1000	97								
Cd	971		1000	97								
Co	973		1000	97								
Cr	972		1000	97								
Cu	962		1000	96								
Fe	4870		5000	97								
Mn	971		1000	97								
Ni	974		1000	97								
Pb	965		1000	97								
Sb	965		1000	97								
Se	956		1000	96								
Tl	979		1000	98								
V	974		1000	97								
Zn	968		1000	97								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	ICV 360-49137/6 09/17/2009 11:26				CCV 360-49137/13 09/17/2009 11:46				CCV 360-49137/19 09/17/2009 12:40			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	9810		10000	98	19800		20000	99	20000		20000	100
Mg	9700		10000	97	19800		20000	99	19900		20000	100
Na	9020		10000	90	19900		20000	100	20000		20000	100
Sn	973		1000	97	995		1000	100	999		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.: 360-24417-2

SDG No.: OCRI-10A

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49137/21 09/17/2009 15:02				CCV 360-49137/31 09/17/2009 15:39				CCV 360-49137/43 09/17/2009 16:14			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	19300		20000	96	19400		20000	97	19400		20000	97
Mg	19200		20000	96	19400		20000	97	19300		20000	97
Na	19300		20000	96	19500		20000	97	19600		20000	98
Sn	961		1000	96	967		1000	97	962		1000	96

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.: 360-24417-2

SDG No.: OCRI-10A

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49137/53 09/17/2009 16:43											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	19500		20000	98								
Mg	19400		20000	97								
Na	19600		20000	98								
Sn	966		1000	97								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

ICV Source: ME ICV KNa_00003 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49137/13 09/17/2009 11:46				ICV 360-49137/16 09/17/2009 11:55				CCV 360-49137/19 09/17/2009 12:40			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
K	20100		20000	100	75900		75000	101	20400		20000	102

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.: 360-24417-2

SDG No.: OCRI-10A

ICV Source: ME ICV KNa_00003 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49137/21 09/17/2009 15:02				CCV 360-49137/31 09/17/2009 15:39				CCV 360-49137/43 09/17/2009 16:14			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
K	19300		20000	96	19600		20000	98	19800		20000	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.: 360-24417-2

SDG No.: OCRI-10A

ICV Source: ME ICV KNa_00003 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49137/53 09/17/2009 16:43											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
K	20200		20000	101								

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.: 360-24417-2

SDG No.: OCRI-10A

Analysis Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-49137/8 Concentration Units: ug/L

CRQL Check Standard Source: CRI-RL ICP_00004

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	103		103	70-130
Antimony	10.0	10.2		102	70-130
Arsenic	10.0	10.1		101	70-130
Barium	10.0	11.1		111	70-130
Beryllium	1.00	1.00		100	70-130
Cadmium	1.00	1.00		100	70-130
Calcium	400	408		102	70-130
Chromium	5.00	5.07		101	70-130
Cobalt	10.0	10.8		108	70-130
Copper	10.0	10.9		109	70-130
Iron	100	105		105	70-130
Lead	5.00	5.43		109	70-130
Magnesium	400	418		104	70-130
Manganese	10.0	10.6		106	70-130
Nickel	10.0	10.5		105	70-130
Potassium	4000	3590	J	90	70-130
Selenium	10.0	12.4		124	70-130
Silver	5.00	5.20		104	70-130
Sodium	2000	1990	J	99	70-130
Thallium	10.0	12.3		123	70-130
Vanadium	10.0	10.4		104	70-130
Zinc	50.0	51.6		103	70-130
Tin	50.0	31.3	J	63	70-130

Lab Sample ID: CRI 360-49137/9 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	6.00	7.09	J	118	70-130
Arsenic	50.0	48.6		97	70-130
Barium	2000	2180		109	70-130
Beryllium	4.00	4.14		103	70-130
Cadmium	5.00	5.17		103	70-130
Chromium	100	107		107	70-130
Lead	15.0	16.7		111	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.: 360-24417-2

SDG No.: OCRI-10A

Analysis Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-49137/9 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Nickel	100	110		110	70-130
Selenium	50.0	52.5		105	70-130
Silver	7.00	7.49		107	70-130
Thallium	2.00	1.98	J	99	70-130
Vanadium	50.0	51.9		104	70-130
Zinc	900	945		105	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.: 360-24417-2

SDG No.: OCRI-10A

Concentration Units: ug/L

Analyte	RL	ICB 360-49137/7 09/17/2009 11:29		CCB 360-49137/14 09/17/2009 11:49		CCB 360-49137/20 09/17/2009 12:43		CCB 360-49137/22 09/17/2009 15:05	
		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	3.22	J	ND		ND		ND	
Se	10	3.52	J	5.00	J	4.21	J	6.70	J
Sn	50	ND		ND		ND		ND	
Tl	10	ND		1.53	J	1.75	J	ND	
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.: 360-24417-2

SDG No.: OCRI-10A

Concentration Units: ug/L

Analyte	RL	CCB 360-49137/32 09/17/2009 15:42		CCB 360-49137/44 09/17/2009 16:17		CCB 360-49137/54 09/17/2009 16:46			
		Found	C	Found	C	Found	C	Found	C
Ag	5.0	ND		ND		ND			
Al	100	ND		ND		ND			
As	10	ND		ND		ND			
Ba	10	ND		ND		ND			
Be	1.0	ND		ND		ND			
Ca	400	ND		ND		ND			
Cd	1.0	ND		ND		ND			
Co	10	ND		ND		ND			
Cr	5.0	ND		ND		ND			
Cu	10	ND		ND		ND			
Fe	100	ND		ND		ND			
K	4000	ND		ND		ND			
Mg	400	ND		ND		ND			
Mn	10	ND		ND		ND			
Na	2000	ND		ND		ND			
Ni	10	ND		ND		ND			
Pb	5.0	ND		ND		ND			
Sb	10	ND		ND		ND			
Se	10	6.00	J	3.60	J	ND			
Sn	50	ND		ND		ND			
Tl	10	3.03	J	1.54	J	2.10	J		
V	10	ND		ND		ND			
Zn	50	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

Concentration Units: mg/Kg Lab Sample ID: MB 360-49084/1-A

Instrument Code: Varian ICP Batch No.: 49137

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	ND			6010B
7440-36-0	Antimony	ND			6010B
7440-38-2	Arsenic	ND			6010B
7440-39-3	Barium	ND			6010B
7440-41-7	Beryllium	ND			6010B
7440-43-9	Cadmium	ND			6010B
7440-70-2	Calcium	7.00	J		6010B
7440-47-3	Chromium	ND			6010B
7440-48-4	Cobalt	ND			6010B
7440-50-8	Copper	ND			6010B
7439-89-6	Iron	2.27	J		6010B
7439-92-1	Lead	ND			6010B
7439-95-4	Magnesium	1.80	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	0.511	J		6010B

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

Lab Sample ID: ICSA 360-49137/10 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		**0.522**	
Al	**100000**	**115172**	**115**
As		**0.276**	
Ba		**0.373**	
Be		**0.0059**	
Ca	**100000**	**109519**	**110**
Cd		**0.375**	
Co		**1.72**	
Cr		**0.272**	
Cu		**0.322**	
Fe	**40000**	**43899**	**110**
K		**1433**	
Mg	**100000**	**110351**	**110**
Mn		**3.24**	
Na		**118**	
Ni		**5.81**	
Pb		**-0.643**	
Sb		**0.155**	
Se		**-0.314**	
Sn		**0.616**	
Tl		**0.363**	
V		**1.28**	
Zn		**1.98**	
B		*8.22*	
Li		*1.31*	
Mo		*0.712*	
Si		*-3.44*	
Si		*-1.84*	
SiO2		*-7.36*	
Sr		*0.597*	
Ti		*1.75*	
Zr		*0.777*	

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.: 360-24417-2

SDG No.: OCRI-10A

Lab Sample ID: ICSAB 360-49137/11 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**	**607**	**101**
Al	**100000**	**112240**	**112**
As	**2000**	**1963**	**98**
Ba	**600**	**587**	**98**
Be	**200**	**192**	**96**
Ca	**100000**	**106167**	**106**
Cd	**600**	**569**	**95**
Co	**600**	**571**	**95**
Cr	**600**	**565**	**94**
Cu	**600**	**600**	**100**
Fe	**40000**	**42761**	**107**
K	**40000**	**42539**	**106**
Mg	**100000**	**106376**	**106**
Mn	**400**	**383**	**96**
Na		**-140**	
Ni	**600**	**575**	**96**
Pb	**2000**	**1864**	**93**
Sb		**944**	
Se	**1000**	**978**	**98**
Sn		**240**	
Tl	**2000**	**1879**	**94**
V	**600**	**584**	**97**
Zn	**600**	**553**	**92**
B		*8.03*	
Li		*1.30*	
Mo		*0.408*	
Si		*-2.77*	
Si		*-0.916*	
SiO2		*-5.94*	
Sr		*0.624*	
Ti		*1.72*	
Zr		*1.66*	

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.: 360-24417-2

SDG No.: OCRI-10A

Lab Sample ID: ICSA 360-49137/55 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		**0.413**	
Al	**100000**	**111559**	**112**
As		**0.569**	
Ba		**0.391**	
Be		**0.0124**	
Ca	**100000**	**106108**	**106**
Cd		**0.352**	
Co		**2.08**	
Cr		**0.153**	
Cu		**0.455**	
Fe	**40000**	**42387**	**106**
K		**1845**	
Mg	**100000**	**106665**	**107**
Mn		**3.18**	
Na		**195**	
Ni		**5.68**	
Pb		**-1.34**	
Sb		**0.0742**	
Se		**1.21**	
Sn		**0.546**	
Tl		**0.770**	
V		**2.57**	
Zn		**0.115**	
B		*10.8*	
Li		*1.35*	
Mo		*2.27*	
Si		*2.45*	
Si		*0.609*	
SiO2		*5.25*	
Sr		*0.588*	
Ti		*2.24*	
Zr		*0.981*	

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.: 360-24417-2

SDG No.: OCRI-10A

Lab Sample ID: ICSAB 360-49137/56 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**	**589**	**98**
Al	**100000**	**108424**	**108**
As	**2000**	**1884**	**94**
Ba	**600**	**572**	**95**
Be	**200**	**184**	**92**
Ca	**100000**	**102420**	**102**
Cd	**600**	**550**	**92**
Co	**600**	**553**	**92**
Cr	**600**	**546**	**91**
Cu	**600**	**575**	**96**
Fe	**40000**	**41166**	**103**
K	**40000**	**42223**	**106**
Mg	**100000**	**102458**	**102**
Mn	**400**	**370**	**92**
Na		**-212**	
Ni	**600**	**558**	**93**
Pb	**2000**	**1792**	**90**
Sb		**911**	
Se	**1000**	**923**	**92**
Sn		**228**	
Tl	**2000**	**1823**	**91**
V	**600**	**566**	**94**
Zn	**600**	**532**	**89**
B		*8.22*	
Li		*1.38*	
Mo		*0.793*	
Si		*0.739*	
Si		*-0.556*	
SiO2		*1.58*	
Sr		*0.611*	
Ti		*2.05*	
Zr		*2.80*	

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-463-28/30-XXX MS
Lab ID: 360-24417-2 MS
Lab Name: TestAmerica Westfield
Job No.: 360-24417-2
SDG No.: OCRI-10A
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 90.8

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	8930		8100		275	287	75-125	4	6010B
Antimony	21.1		ND		55.0	38	75-125	F	6010B
Arsenic	50.3		3.0		55.0	86	75-125		6010B
Barium	83.1		31		55.0	95	75-125		6010B
Beryllium	46.7		0.24		55.0	84	75-125		6010B
Cadmium	45.2		0.24		55.0	82	75-125		6010B
Calcium	4660		2900		1100	161	75-125	F	6010B
Chromium	64.1		16		55.0	88	75-125		6010B
Cobalt	55.4		9.9		55.0	83	75-125		6010B
Copper	69.9		16		55.0	98	75-125		6010B
Iron	17400		16000		275	325	75-125	4	6010B
Lead	47.1		2.5		55.0	81	75-125		6010B
Magnesium	7230		6500		1100	62	75-125	4	6010B
Manganese	319		330		55.0	-16	75-125	4	6010B
Nickel	59.9		15		55.0	81	75-125		6010B
Potassium	3310		1700		1100	144	75-125	F	6010B
Selenium	44.5		0.31	J	55.0	80	75-125		6010B
Silver	46.3		ND		55.0	84	75-125		6010B
Sodium	1050		71	J	1100	89	75-125		6010B
Thallium	42.3		0.20	J	55.0	76	75-125		6010B
Vanadium	71.8		20		55.0	94	75-125		6010B
Zinc	70.1		27		55.0	79	75-125		6010B
Tin	48.0		5.0	J	55.0	78	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 VA - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: OC-SB-463-28/30-XXX PDS Lab ID: 360-24417-2 PDS

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	8140		8100		277	NC	75-125		6010B
Antimony	47.3		ND		55.3	86	75-125		6010B
Arsenic	51.5		3.0		55.3	88	75-125		6010B
Barium	78.2		31		55.3	85	75-125		6010B
Beryllium	47.8		0.24		55.3	86	75-125		6010B
Cadmium	46.6		0.24		55.3	84	75-125		6010B
Calcium	3850		2900		1110	88	75-125		6010B
Chromium	63.4		16		55.3	86	75-125		6010B
Cobalt	56.3		9.9		55.3	84	75-125		6010B
Copper	65.3		16		55.3	89	75-125		6010B
Iron	16100		16000		277	NC	75-125		6010B
Lead	48.1		2.5		55.3	82	75-125		6010B
Magnesium	7370		6500		1110	74	75-125	W	6010B
Manganese	359		330		55.3	56	75-125	W	6010B
Nickel	61.2		15		55.3	83	75-125		6010B
Potassium	2690		1700		1110	87	75-125		6010B
Selenium	46.6		0.31	J	55.3	84	75-125		6010B
Silver	48.1		ND		55.3	87	75-125		6010B
Sodium	1030		71	J	1110	86	75-125		6010B
Thallium	44.1		0.20	J	55.3	79	75-125		6010B
Vanadium	67.9		20		55.3	86	75-125		6010B
Zinc	71.0		27		55.3	80	75-125		6010B
Tin	50.2		5.0	J	55.3	82	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-463-28/30-XXX DU
Lab ID: 360-24417-2 DU
Lab Name: TestAmerica Westfield
Job No.: 360-24417-2
SDG No.: OCRI-10A
% Solids for Sample: 90.8
% Solids for Duplicate: 90.8
Matrix: Solid
Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Aluminum	2.8	8100		8670		6		6010B
Antimony	0.56	ND		ND		NC		6010B
Arsenic	1.1	3.0		3.67		21		6010B
Barium	0.56	31		38.9		23		6010B
Beryllium	0.22	0.24		0.275		15		6010B
Cadmium	0.22	0.24		0.265		11		6010B
Calcium	11	2900		4330		40	F	6010B
Chromium	0.56	16		17.7		12		6010B
Cobalt	0.56	9.9		11.0		10		6010B
Copper	1.1	16		21.2		28		6010B
Iron	5.6	16000		17800		8		6010B
Lead	0.56	2.5		2.79		10		6010B
Magnesium	11	6500		6270		4		6010B
Manganese	1.1	330		337		3		6010B
Nickel	1.1	15		15.7		2		6010B
Potassium	220	1700		2360		31		6010B
Selenium	0.56	0.31	J	ND		NC		6010B
Silver	0.56	ND		ND		NC		6010B
Sodium	110	71	J	105	J	38		6010B
Thallium	1.1	0.20	J	0.154	J	25		6010B
Vanadium	1.1	20		24.7		20		6010B
Zinc	2.8	27		28.0		5		6010B
Tin	5.6	5.0	J	5.57		11		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 360-49084/2-A

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

Sample Matrix: Solid LCS Source: stlma-3_00039

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	250	220		88	80	120		6010B
Antimony	50.0	41.4		83	80	120		6010B
Arsenic	50.0	43.9		88	80	120		6010B
Barium	50.0	45.7		91	80	120		6010B
Beryllium	50.0	44.7		89	80	120		6010B
Cadmium	50.0	44.3		89	80	120		6010B
Calcium	1000	913		91	80	120		6010B
Chromium	50.0	45.4		91	80	120		6010B
Cobalt	50.0	44.9		90	80	120		6010B
Copper	50.0	45.3		91	80	120		6010B
Iron	250	228		91	80	120		6010B
Lead	50.0	44.2		88	80	120		6010B
Magnesium	1000	875		87	80	120		6010B
Manganese	50.0	45.3		91	80	120		6010B
Nickel	50.0	44.7		89	80	120		6010B
Potassium	1000	880		88	80	120		6010B
Selenium	50.0	43.8		88	80	120		6010B
Silver	50.0	44.2		88	80	120		6010B
Sodium	1000	863		86	80	120		6010B
Thallium	50.0	44.3		89	80	120		6010B
Vanadium	50.0	45.5		91	80	120		6010B
Zinc	50.0	44.2		88	80	120		6010B
Tin	50.0	45.2		90	80	120		6010B

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

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCSD 360-49084/3-A

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

Sample Matrix: Solid LCS Source: stlma-3_00039

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	218		250	87	80-120	1	30		6010B
Antimony	42.9		50.0	86	80-120	4	30		6010B
Arsenic	43.5		50.0	87	80-120	1	30		6010B
Barium	45.3		50.0	91	80-120	1	30		6010B
Beryllium	44.4		50.0	89	80-120	1	30		6010B
Cadmium	43.9		50.0	88	80-120	1	30		6010B
Calcium	904		1000	90	80-120	1	30		6010B
Chromium	45.0		50.0	90	80-120	1	30		6010B
Cobalt	44.4		50.0	89	80-120	1	30		6010B
Copper	45.0		50.0	90	80-120	1	30		6010B
Iron	226		250	91	80-120	1	30		6010B
Lead	43.7		50.0	87	80-120	1	30		6010B
Magnesium	864		1000	86	80-120	1	30		6010B
Manganese	44.8		50.0	90	80-120	1	30		6010B
Nickel	44.1		50.0	88	80-120	1	30		6010B
Potassium	836		1000	84	80-120	5	30		6010B
Selenium	43.4		50.0	87	80-120	1	30		6010B
Silver	43.7		50.0	87	80-120	1	30		6010B
Sodium	852		1000	85	80-120	1	30		6010B
Thallium	43.8		50.0	88	80-120	1	30		6010B
Vanadium	45.1		50.0	90	80-120	1	30		6010B
Zinc	43.7		50.0	87	80-120	1	30		6010B
Tin	45.0		50.0	90	80-120	0	30		6010B

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 360-24417-2

SDG No: OCRI-10A

Lab Name: TestAmerica Westfield Job No: 360-24417-2

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	8100		8480		4.2		6010B
Antimony	ND		ND		NC		6010B
Arsenic	3.0		3.45	J	NC		6010B
Barium	31		34.9		13	V	6010B
Beryllium	0.24		0.258	J	NC		6010B
Cadmium	0.24		0.246	J	NC		6010B
Calcium	2900		2900		0.65		6010B
Chromium	16		17.3		9.7		6010B
Cobalt	9.9		11.2		13	V	6010B
Copper	16		16.8		5.1		6010B
Iron	16000		18300		11	V	6010B
Lead	2.5		2.49	J	NC		6010B
Magnesium	6500		6790		3.7		6010B
Manganese	330		379		16	V	6010B
Nickel	15		17.3		12	V	6010B
Potassium	1700		1560		9.5		6010B
Selenium	0.31	J	ND		NC		6010B
Silver	ND		ND		NC		6010B
Sodium	71	J	ND		NC		6010B
Thallium	0.20	J	0.846	J	NC		6010B
Vanadium	20		22.0		9.0		6010B
Zinc	27		30.4		NC		6010B
Tin	5.0	J	4.94	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: 360-24417-2

SDG Number: OCRI-10A

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: 360-24417-2

SDG No.: OCRI-10A

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: 360-24417-2

SDG No.: OCRI-10A

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: 360-24417-2

SDG No.: OCRI-10A

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: 360-24417-2

SDG No.: OCRI-10A

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: 360-24417-2

SDG No.: OCRI-10A

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: 360-24417-2

SDG No.: OCRI-10A

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														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24417-2

SDG No.: OCRI-10A

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: 360-24417-2

SDG No.: OCRI-10A

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: 360-24417-2

SDG No.: OCRI-10A

Instrument ID: Varian ICP Date: 01/01/2009 14:05

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Aluminum		200000	6010B
Antimony		50000	6010B
Arsenic		50000	6010B
Barium		10000	6010B
Beryllium		8000	6010B
Cadmium		15000	6010B
Calcium		500000	6010B
Chromium		50000	6010B
Cobalt		50000	6010B
Copper		50000	6010B
Iron		700000	6010B
Lead		50000	6010B
Magnesium		175000	6010B
Manganese		15000	6010B
Nickel		50000	6010B
Potassium		75000	6010B
Selenium		50000	6010B
Silver		25000	6010B
Sodium		500000	6010B
Thallium		50000	6010B
Vanadium		50000	6010B
Zinc		20000	6010B
Tin			6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

Preparation Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 360-49084/1-A	09/17/2009 09:26	49084	2.0		100
LCS 360-49084/2-A	09/17/2009 09:26	49084	2.0		100
LCSD 360-49084/3-A	09/17/2009 09:26	49084	2.0		100
360-24417-2	09/17/2009 09:26	49084	1.99		100
360-24417-2 DU	09/17/2009 09:26	49084	1.98		100
360-24417-2 MS	09/17/2009 09:26	49084	2.00		100
360-24417-5	09/17/2009 09:26	49084	1.60		100
360-24417-8	09/17/2009 09:26	49084	1.96		100
360-24417-12	09/17/2009 09:26	49084	1.51		100
360-24417-16	09/17/2009 09:26	49084	1.80		100

FORM XII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/17/2009 11:12 End Date: 09/17/2009 16:54

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			11:12																				
ZZZZZZ			11:15																				
ZZZZZZ			11:17																				
ZZZZZZ			11:20																				
ZZZZZZ			11:23																				
ICV 360-49137/6	1		11:26	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
ICB 360-49137/7	1		11:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 360-49137/8	1		11:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 360-49137/9	1		11:35	X		X	X	X		X		X							X	X	X	X	
ICSA 360-49137/10	1		11:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 360-49137/11	1		11:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			11:44																				
CCV 360-49137/13	1		11:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49137/14	1		11:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 360-49137/15			11:52																				
ICV 360-49137/16	1		11:55												X								
ICV 360-49137/17			11:58																				
CRI 360-49137/18			12:10																				
CCV 360-49137/19	1		12:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49137/20	1		12:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 360-49137/21	1		15:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49137/22	1		15:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 360-49084/1-A	1	T	15:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 360-49084/2-A	1	T	15:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSD 360-49084/3-A	1	T	15:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24417-2	1	T	15:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24417-2 DU	1	T	15:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24417-2 MS	1	T	15:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24417-2 SD	5	T	15:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24417-2 PDS	1	T	15:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 360-49137/31	1		15:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49137/32	1		15:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24417-5	1	T	15:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24417-8	1	T	15:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24417-12	1	T	15:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24417-16	1	T	15:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:56																				
ZZZZZZ			15:59																				
ZZZZZZ			16:02																				
ZZZZZZ			16:05																				
ZZZZZZ			16:08																				
ZZZZZZ			16:11																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/17/2009 11:12 End Date: 09/17/2009 16:54

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Sn
CCV 360-49137/43	1		16:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49137/44	1		16:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:19																				
ZZZZZZ			16:22																				
ZZZZZZ			16:25																				
ZZZZZZ			16:28																				
ZZZZZZ			16:31																				
ZZZZZZ			16:34																				
ZZZZZZ			16:37																				
ZZZZZZ			16:40																				
CCV 360-49137/53	1		16:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49137/54	1		16:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 360-49137/55	1		16:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 360-49137/56	1		16:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:54																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/17/2009 11:12 End Date: 09/17/2009 16:54

Lab Sample ID	D/F	Type	Time	Analytes																			
				Tl	V	Zn																	
ZZZZZZ			11:12																				
ZZZZZZ			11:15																				
ZZZZZZ			11:17																				
ZZZZZZ			11:20																				
ZZZZZZ			11:23																				
ICV 360-49137/6	1		11:26	X	X	X																	
ICB 360-49137/7	1		11:29	X	X	X																	
CRI 360-49137/8	1		11:32	X	X	X																	
CRI 360-49137/9	1		11:35	X	X	X																	
ICSA 360-49137/10	1		11:38	X	X	X																	
ICSAB 360-49137/11	1		11:41	X	X	X																	
ZZZZZZ			11:44																				
CCV 360-49137/13	1		11:46	X	X	X																	
CCB 360-49137/14	1		11:49	X	X	X																	
ICB 360-49137/15			11:52																				
ICV 360-49137/16	1		11:55																				
ICV 360-49137/17			11:58																				
CRI 360-49137/18			12:10																				
CCV 360-49137/19	1		12:40	X	X	X																	
CCB 360-49137/20	1		12:43	X	X	X																	
CCV 360-49137/21	1		15:02	X	X	X																	
CCB 360-49137/22	1		15:05	X	X	X																	
MB 360-49084/1-A	1	T	15:16	X	X	X																	
LCS 360-49084/2-A	1	T	15:19	X	X	X																	
LCSD 360-49084/3-A	1	T	15:22	X	X	X																	
360-24417-2	1	T	15:25	X	X	X																	
360-24417-2 DU	1	T	15:27	X	X	X																	
360-24417-2 MS	1	T	15:30	X	X	X																	
360-24417-2 SD	5	T	15:33	X	X	X																	
360-24417-2 PDS	1	T	15:36	X	X	X																	
CCV 360-49137/31	1		15:39	X	X	X																	
CCB 360-49137/32	1		15:42	X	X	X																	
360-24417-5	1	T	15:45	X	X	X																	
360-24417-8	1	T	15:48	X	X	X																	
360-24417-12	1	T	15:51	X	X	X																	
360-24417-16	1	T	15:53	X	X	X																	
ZZZZZZ			15:56																				
ZZZZZZ			15:59																				
ZZZZZZ			16:02																				
ZZZZZZ			16:05																				
ZZZZZZ			16:08																				
ZZZZZZ			16:11																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-2

SDG No.: OCRI-10A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/17/2009 11:12 End Date: 09/17/2009 16:54

Lab Sample ID	D/F	Type	Time	Analytes																			
				Tl	V	Zn																	
CCV 360-49137/43	1		16:14	X	X	X																	
CCB 360-49137/44	1		16:17	X	X	X																	
ZZZZZZ			16:19																				
ZZZZZZ			16:22																				
ZZZZZZ			16:25																				
ZZZZZZ			16:28																				
ZZZZZZ			16:31																				
ZZZZZZ			16:34																				
ZZZZZZ			16:37																				
ZZZZZZ			16:40																				
CCV 360-49137/53	1		16:43	X	X	X																	
CCB 360-49137/54	1		16:46	X	X	X																	
ICSA 360-49137/55	1		16:48	X	X	X																	
ICSAB 360-49137/56	1		16:51	X	X	X																	
ZZZZZZ			16:54																				

Prep Types

T = Total/NA

MET091709emn@720/725/730/735-ES@Quant@. All Data Report 9/18/2009, 7:11:26 AM

Blank (Blk) **9/17/2009, 11:12:12 AM** **Rack 0, Tube 1**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	0.000000	ug/L	1.633	41.1	3.97473
Al 237.312	0.000000	ug/L	4.698	52.1	9.02545
As 188.980	0.000000	ug/L	1.167	52.7	2.21576
B 249.678	0.000000	ug/L	1.705	10.6	16.1517
Ba 493.408	0.000000	ug/L	4.667	2.3	200.579
Be 313.042	0.000000	ug/L	8.799	5.0	175.078
Ca 373.690	0.000000	ug/L	0.625	2.1	29.9734
Cd 214.439	0.000000	ug/L	1.515	34.0	4.45448
Co 228.615	0.000000	ug/L	0.881	5.8	15.1767
Cr 267.716	0.000000	ug/L	6.108	18.2	33.5191
Cu 327.395	0.000000	ug/L	0.183	0.3	71.9526
Fe 273.955	0.000000	ug/L	2.025	7.6	26.7724
K 404.721	0.000000	ug/L	0.407	2.3	17.6040
Li 610.365	0.000000	ug/L	3.143	11.2	27.9688
Mg 279.078	0.000000	ug/L	2.135	16.6	12.8914
Mn 257.610	0.000000	ug/L	1.208	2.8	42.8817
Mo 202.032	0.000000	ug/L	0.780	9.4	8.34399
Na 330.237	0.000000	ug/L	0.929	6.0	15.5348
Ni 216.555	0.000000	ug/L	1.793	63.4	2.82831
Pb 220.353	0.000000	ug/L	1.677	30.4	5.51633
Sb 217.582	0.000000	ug/L	1.861	48.8	3.81415
Se 196.026	0.000000	ug/L	0.527	24.8	2.12419
Si 251.611	0.000000	ug/L	5.145	9.8	52.4966
Si 288.158	0.000000	ug/L	14.836	3.8	391.861
Sn 283.998	0.000000	ug/L	0.455	3.7	12.3308
Sr 421.552	0.000000	ug/L	1.755	4.6	38.1511
Ti 336.122	0.000000	ug/L	0.220	1.0	21.5117
Tl 190.794	0.000000	ug/L	0.227	13.4	1.69733
V 292.401	0.000000	ug/L	3.322	23.6	14.0956
Zn 202.548	0.000000	ug/L	0.163	0.4	44.4124
Zr 339.198	0.000000	ug/L	0.143	8.4	1.70178

Standard 1 (Std) **9/17/2009, 11:15:05 AM** **Rack 0, Tube 2**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	1000.00	ug/L	9.565	0.1	8925.50
Al 237.312	5000.00	ug/L	46.389	0.2	22921.2
As 188.980	1000.00	ug/L	0.302	0.0	1114.55
B 249.678	1000.00	ug/L	273.624	0.9	29521.7
Ba 493.408	1000.00	ug/L	1371.964	0.1	2561764
Be 313.042	1000.00	ug/L	3680.844	0.1	3534862
Ca 373.690	20000.0	ug/L	21.898	0.0	105391
Cd 214.439	1000.00	ug/L	113.974	0.3	40480.8
Co 228.615	1000.00	ug/L	11.110	0.1	9445.20
Cr 267.716	1000.00	ug/L	60.154	0.1	49066.5
Cu 327.395	1000.00	ug/L	381.882	0.6	69156.3
Fe 273.955	5000.00	ug/L	211.408	0.3	80934.1
K 404.721	20000.0	ug/L	1.253	0.4	295.885
Li 610.365	5000.00	ug/L	221.811	0.1	392677
Mg 279.078	20000.0	ug/L	258.801	0.3	93630.4
Mn 257.610	1000.00	ug/L	445.477	0.1	308583
Mo 202.032	1000.00	ug/L	25.182	0.3	9267.33
Na 330.237	20000.0	ug/L	4.674	0.2	2893.79

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ni 216.555	1000.00	ug/L	3.159	0.0	8630.42
Pb 220.353	1000.00	ug/L	16.483	0.3	5331.28
Sb 217.582	1000.00	ug/L	4.842	0.2	1949.65
Se 196.026	1000.00	ug/L	2.027	0.4	564.828
Si 251.611	1000.00	ug/L	61.096	1.1	5547.67
Si 288.158	1000.00	ug/L	125.854	1.0	12769.7
Sn 283.998	1000.00	ug/L	15.239	0.3	4744.56
Sr 421.552	1000.00	ug/L	2523.487	0.1	2501356
Ti 336.122	1000.00	ug/L	46.095	0.0	252048
Tl 190.794	1000.00	ug/L	1.197	0.1	815.797
V 292.401	1000.00	ug/L	22.108	0.1	41145.3
Zn 202.548	1000.00	ug/L	79.920	0.3	24231.2
Zr 339.198	1000.00	ug/L	264.618	0.4	61375.7

Standard 2 (Std) **9/17/2009, 11:17:57 AM** **Rack 0, Tube 3**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	25000.0	ug/L	338.649	0.3	107269
Ca 373.690	100000	ug/L	2083.733	0.4	477380
Fe 273.955	25000.0	ug/L	1099.109	0.3	365856
K 404.721	100000	ug/L	5.879	0.3	1824.56
Mg 279.078	100000	ug/L	937.911	0.2	439127
Na 330.237	100000	ug/L	41.727	0.3	16391.5

RB (ICV) **9/17/2009, 11:20:50 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	6.70234	ug/L	0.701687	10.5	63.7698	-
Al 237.312	0.802260	ug/L	0.026903	3.4	12.7603	-
As 188.980	3.21944	ug/L	0.771526	24.0	5.79684	-
B 249.678	9.63559	ug/L	0.220877	2.3	300.455	-
Ba 493.408	0.203050	ug/L	0.120563	59.4	720.704	-
Be 313.042	0.164667	ug/L	0.101968	61.9	757.125	-
Ca 373.690	5.07862	ug/L	2.33890	46.1	57.3557	-
Cd 214.439	0.115535	ug/L	0.014375	12.4	9.13094	-
Co 228.615	0.442284	ug/L	0.337710	76.4	19.3475	-
Cr 267.716	0.079430uv	ug/L	0.171444	215.8	37.4138	-
Cu 327.395	0.776380	ug/L	0.135509	17.5	125.588	-
Fe 273.955	3.48035	ug/L	1.53538	44.1	84.4357	-
K 404.721	-72.1092uv	ug/L	592.463	821.6	16.6787	-
Li 610.365	-0.337688uv	ug/L	0.009972	3.0	1.45020	-
Mg 279.078	4.46092	ug/L	1.88500	42.3	34.0954	-
Mn 257.610	0.312389	ug/L	0.104972	33.6	139.266	-
Mo 202.032	2.46999	ug/L	0.902532	36.5	31.2136	-
Na 330.237	-16.0900uv	ug/L	32.7497	203.5	13.2991	-
Ni 216.555	0.519416	ug/L	0.280265	54.0	7.30962	-
Pb 220.353	0.173103uv	ug/L	0.299205	172.8	6.43823	-
Sb 217.582	-0.733392uv	ug/L	0.533514	72.7	2.38708	-
Se 196.026	6.80013	ug/L	2.90830	42.8	5.95065	-
Si 251.611	-1.19518uv	ug/L	0.822175	68.8	45.9289	-
Si 288.158	-0.553053uv	ug/L	1.66829	301.7	385.015	-
Sn 283.998	0.154399uv	ug/L	0.734223	475.5	13.0615	-
Sr 421.552	0.193053	ug/L	0.114469	59.3	521.039	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 336.122	0.214710	ug/L	0.071004	33.1	75.6243	-
Tl 190.794	2.41136	ug/L	0.841697	34.9	3.66042	-
V 292.401	0.570302	ug/L	0.175833	30.8	37.5528	-
Zn 202.548	0.348063	ug/L	0.079280	22.8	52.8309	-
Zr 339.198	0.233201	ug/L	0.087279	37.4	16.0143	-

IPC (ICV) **9/17/2009, 11:23:43 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	991.303	ug/L	0.062148	0.0	8847.91	99.13032
Al 237.312	4970.04	ug/L	1.68387	0.0	22786.1	99.40082
As 188.980	993.221	ug/L	0.463780	0.0	1107.01	99.32206
B 249.678	998.528	ug/L	7.92975	0.8	29478.2	99.85275
Ba 493.408	995.114	ug/L	1.46255	0.1	2549249	99.51143
Be 313.042	993.811	ug/L	1.27093	0.1	3512987	99.38113
Ca 373.690	19856.3	ug/L	13.9861	0.1	104652	99.28140
Cd 214.439	991.570	ug/L	0.522044	0.1	40139.6	99.15704
Co 228.615	993.096	ug/L	0.421571	0.0	9380.09	99.30956
Cr 267.716	992.918	ug/L	0.717983	0.1	48719.3	99.29181
Cu 327.395	990.345	ug/L	0.431411	0.0	68489.3	99.03447
Fe 273.955	4964.09	ug/L	2.29499	0.0	80366.8	99.28180
K 404.721	20078.0	ug/L	86.2408	0.4	297.052	100.39014
Li 610.365	4960.93	ug/L	1.76397	0.0	389609	99.21861
Mg 279.078	19825.7	ug/L	7.84032	0.0	92826.9	99.12836
Mn 257.610	992.779	ug/L	0.109795	0.0	306355	99.27788
Mo 202.032	995.918	ug/L	3.49199	0.4	9229.53	99.59184
Na 330.237	19827.4	ug/L	8.69658	0.0	2868.10	99.13696
Ni 216.555	993.828	ug/L	1.64399	0.2	8577.17	99.38283
Pb 220.353	991.319	ug/L	0.387174	0.0	5285.04	99.13190
Sb 217.582	993.910	ug/L	1.81964	0.2	1937.80	99.39097
Se 196.026	995.139	ug/L	0.599125	0.1	562.093	99.51390
Si 251.611	990.011	ug/L	9.28186	0.9	5492.78	99.00112
Si 288.158	991.787	ug/L	9.65815	1.0	12668.0	99.17873
Sn 283.998	992.692	ug/L	1.37062	0.1	4709.97	99.26916
Sr 421.552	994.573	ug/L	1.23852	0.1	2487781	99.45726
Ti 336.122	993.885	ug/L	2.37807	0.2	250507	99.38853
Tl 190.794	996.612	ug/L	3.20680	0.3	813.039	99.66118
V 292.401	994.029	ug/L	0.819966	0.1	40899.7	99.40285
Zn 202.548	991.022	ug/L	0.135345	0.0	24014.0	99.10225
Zr 339.198	1010.16	ug/L	0.331111	0.0	61999.1	101.01573

ICV (ICV) **9/17/2009, 11:26:37 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	970.849	ug/L	0.277983	0.0	8665.43	97.08490
Al 237.312	973.930	ug/L	0.376773	0.0	4529.25	97.39299
As 188.980	964.915	ug/L	0.469952	0.0	1075.52	96.49154
B 249.678	987.502	ug/L	6.60919	0.7	29152.9	98.75022
Ba 493.408	978.320	ug/L	1.26946	0.1	2506230	97.83204
Be 313.042	977.515	ug/L	1.61861	0.2	3455384	97.75149
Ca 373.690	9805.76	ug/L	8.67242	0.1	52305.4	98.05764

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cd 214.439	977.959	ug/L	0.082044	0.0	39588.7	97.79594
Co 228.615	981.882	ug/L	1.25738	0.1	9274.34	98.18816
Cr 267.716	967.908	ug/L	0.676810	0.1	47492.9	96.79076
Cu 327.395	969.446	ug/L	0.435252	0.0	67045.5	96.94458
Fe 273.955	960.841	ug/L	0.711811	0.1	15875.0	96.08409
K 404.721	8777.97	ug/L	179.056	2.0	134.625	87.77969Q
Li 610.365	9799.11	ug/L	19.6036	0.2	769550	97.99106
Mg 279.078	9699.45	ug/L	7.12631	0.1	45776.7	96.99452
Mn 257.610	977.618	ug/L	0.780001	0.1	301677	97.76178
Mo 202.032	969.693	ug/L	2.50789	0.3	8986.71	96.96925
Na 330.237	9020.07	ug/L	19.2376	0.2	1289.07	90.20071
Ni 216.555	977.833	ug/L	1.03170	0.1	8439.17	97.78330
Pb 220.353	981.515	ug/L	1.99474	0.2	5232.83	98.15149
Sb 217.582	934.549	ug/L	3.39095	0.4	1822.30	93.45489
Se 196.026	986.616	ug/L	0.895018	0.1	557.297	98.66155
Si 251.611	563.411	ug/L	26.5816	4.7	3148.54	112.68227Q
Si 288.158	560.727	ug/L	26.2937	4.7	7332.43	112.14539Q
Sn 283.998	973.089	ug/L	2.10915	0.2	4617.21	97.30894
Sr 421.552	976.099	ug/L	0.283378	0.0	2441572	97.60990
Ti 336.122	958.263	ug/L	0.820052	0.1	241529	95.82627
Tl 190.794	981.887	ug/L	4.51570	0.5	801.052	98.18872
V 292.401	979.072	ug/L	0.616086	0.1	40284.5	97.90715
Zn 202.548	984.310	ug/L	0.457953	0.0	23851.7	98.43103
Zr 339.198	1008.11	ug/L	2.65869	0.3	61873.7	100.81145

ICB (ICB) **9/17/2009, 11:29:31 AM** **Rack 0, Tube 7**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.036471uv	ug/L	0.206264	565.6	4.30011	0.03647
Al 237.312	-0.175536uv	ug/L	0.483921	275.7	8.20825	-0.17554
As 188.980	0.920017uv	ug/L	1.37286	149.2	3.23912	0.92002
B 249.678	35.9019	ug/L	4.75707	13.3	1075.46	35.90194
Ba 493.408	0.050626	ug/L	0.027696	54.7	330.260	0.05063
Be 313.042	0.052555	ug/L	0.028485	54.2	360.842	0.05255
Ca 373.690	1.46741	ug/L	0.186987	12.7	37.8853	1.46741
Cd 214.439	0.007041	ug/L	0.000742	10.5	4.73947	0.00704
Co 228.615	0.174888	ug/L	0.215531	123.2	16.8259	0.17489
Cr 267.716	-0.074185uv	ug/L	0.090547	122.1	29.8816	-0.07418
Cu 327.395	0.152654	ug/L	0.111802	73.2	82.4987	0.15265
Fe 273.955	0.681952	ug/L	0.526796	77.2	38.0713	0.68195
K 404.721	-366.263uv	ug/L	122.833	33.5	12.8883	-366.26337
Li 610.365	-0.154524uv	ug/L	0.095812	62.0	15.8340	-0.15452
Mg 279.078	1.57331	ug/L	1.51405	96.2	20.3698	1.57331
Mn 257.610	0.093735	ug/L	0.034615	36.9	71.8026	0.09373
Mo 202.032	11.9578	ug/L	2.01180	16.8	119.061	11.95784
Na 330.237	-60.7535uv	ug/L	18.9367	31.2	7.09302	-60.75351
Ni 216.555	0.542631	ug/L	0.333165	61.4	7.50990	0.54263
Pb 220.353	0.316896uv	ug/L	0.959316	302.7	7.20404	0.31690
Sb 217.582	3.21850	ug/L	0.635840	19.8	10.0768	3.21850
Se 196.026	3.51817	ug/L	0.025128	0.7	4.10388	3.51817
Si 251.611	-0.219175uv	ug/L	0.237729	108.5	51.2922	-0.21918
Si 288.158	0.442046	ug/L	0.399917	90.5	397.333	0.44205
Sn 283.998	0.169554uv	ug/L	0.250657	147.8	13.1332	0.16955

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sr 421.552	0.055114	ug/L	0.030175	54.8	176.008	0.05511
Ti 336.122	0.565262	ug/L	0.112015	19.8	163.973	0.56526
Tl 190.794	0.723049	ug/L	0.550845	76.2	2.28597	0.72305
V 292.401	0.138124	ug/L	0.049130	35.6	19.7768	0.13812
Zn 202.548	0.087704	ug/L	0.070431	80.3	46.5337	0.08770
Zr 339.198	0.215420	ug/L	0.116487	54.1	14.9230	0.21542

CRI-RL (CRI) **9/17/2009, 11:32:25 AM** **Rack 0, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	5.20185	ug/L	0.373866	7.2	50.3832	104.03706
Al 237.312	102.937	ug/L	0.452532	0.4	488.088	102.93692
As 188.980	10.0708	ug/L	1.64164	16.3	13.4178	100.70772
B 249.678	26.7994	ug/L	0.862650	3.2	806.880	267.99353R
Ba 493.408	11.1183	ug/L	0.025979	0.2	28680.8	111.18317
Be 313.042	1.00475	ug/L	0.003042	0.3	3726.54	100.47450
Ca 373.690	408.007	ug/L	0.127274	0.0	2228.80	102.00182
Cd 214.439	1.00114	ug/L	0.042328	4.2	44.9769	100.11359
Co 228.615	10.8289	ug/L	0.150887	1.4	117.293	108.28880
Cr 267.716	5.07026	ug/L	0.023705	0.5	282.129	101.40511
Cu 327.395	10.9082	ug/L	0.136569	1.3	825.539	109.08203
Fe 273.955	104.706	ug/L	0.082028	0.1	1760.74	104.70581
K 404.721	3585.94	ug/L	203.886	5.7	64.4426	89.64861
Li 610.365	81.9757	ug/L	0.298672	0.4	6465.50	-R
Mg 279.078	417.642	ug/L	0.077966	0.0	1997.44	104.41043
Mn 257.610	10.6046	ug/L	0.001192	0.0	3314.83	106.04618
Mo 202.032	13.2110	ug/L	0.904523	6.8	130.665	132.11023R
Na 330.237	1988.67	ug/L	60.5755	3.0	292.845	99.43356
Ni 216.555	10.5150	ug/L	0.118609	1.1	93.5472	105.14972
Pb 220.353	5.43211	ug/L	0.099287	1.8	34.4465	108.64228
Sb 217.582	10.1825	ug/L	0.884776	8.7	23.6277	101.82520
Se 196.026	12.4175	ug/L	2.43021	19.6	9.11158	124.17520
Si 251.611	93.9407	ug/L	0.946317	1.0	568.717	93.94066
Si 288.158	96.2947	ug/L	1.02982	1.1	1583.78	96.29469
Sn 283.998	31.2808	ug/L	0.985609	3.2	160.358	62.56152R
Sr 421.552	21.8664	ug/L	0.046217	0.2	54733.0	109.33197
Ti 336.122	10.4213	ug/L	0.059250	0.6	2647.97	104.21329
Tl 190.794	12.2554	ug/L	0.514928	4.2	11.6744	122.55367
V 292.401	10.3509	ug/L	0.079341	0.8	439.842	103.50935
Zn 202.548	51.6364	ug/L	0.126651	0.2	1293.33	103.27274
Zr 339.198	9.89171	ug/L	0.061876	0.6	608.796	-R

CRI2-MCP (CRI) **9/17/2009, 11:35:19 AM** **Rack 0, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	7.48902	ug/L	0.494553	6.6	70.7882	106.98602
Al 237.312	-0.585607uv	ug/L	0.025846	4.4	6.29919	-
As 188.980	48.6220	ug/L	0.659560	1.4	56.2996	97.24409
B 249.678	11.8191	ug/L	0.469109	4.0	364.880	-
Ba 493.408	2175.25	ug/L	2.69498	0.1	5572251	108.76270
Be 313.042	4.13672	ug/L	0.003768	0.1	14797.1	103.41803

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ca 373.690	15.5722	ug/L	0.575133	3.7	113.933	-
Cd 214.439	5.16534	ug/L	0.013894	0.3	213.529	103.30672
Co 228.615	0.198022	ug/L	0.178700	90.2	17.0441	-
Cr 267.716	106.631	ug/L	0.085653	0.1	5261.98	106.63144
Cu 327.395	0.046579uv	ug/L	0.108599	233.1	75.1705	-
Fe 273.955	1.05080	ug/L	0.107784	10.3	44.1826	-
K 404.721	137.140	ug/L	126.675	92.4	19.3711	-
Li 610.365	-0.076255uv	ug/L	0.008406	11.0	21.9805	-
Mg 279.078	0.567489uv	ug/L	1.17158	206.5	15.5888	-
Mn 257.610	0.035856	ug/L	0.011026	30.7	53.9448	-
Mo 202.032	1.66985	ug/L	0.746852	44.7	23.8051	-
Na 330.237	-41.3068uv	ug/L	19.2821	46.7	9.79517	-
Ni 216.555	110.221	ug/L	0.787640	0.7	953.766	110.22051
Pb 220.353	16.7005	ug/L	0.205331	1.2	94.4593	111.33676
Sb 217.582	7.09433	ug/L	0.266624	3.8	17.6186	118.23877
Se 196.026	52.4909	ug/L	0.857918	1.6	31.6610	104.98174
Si 251.611	-1.28042uv	ug/L	1.30557	102.0	45.4605	-
Si 288.158	-1.31204uv	ug/L	0.726445	55.4	375.621	-
Sn 283.998	46.4694	ug/L	0.164288	0.4	232.235	-
Sr 421.552	0.009462	ug/L	0.001978	20.9	61.8181	-
Ti 336.122	0.109655	ug/L	0.064129	58.5	49.1477	-
Tl 190.794	1.98077	ug/L	1.00890	50.9	3.30988	99.03852
V 292.401	51.8503	ug/L	0.090927	0.2	2146.76	103.70058
Zn 202.548	945.132	ug/L	3.74114	0.4	22904.1	105.01462
Zr 339.198	0.028096	ug/L	0.005955	21.2	3.42615	-

Interf Check A (ICSA) **9/17/2009, 11:38:14 AM** **Rack 0, Tube 10**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.522199	ug/L	0.238008	45.6	8.63354	0.52220
Al 237.312	115172	ug/L	114.728	0.1	4612265	171.82031K
As 188.980	0.275591uv	ug/L	1.39424	505.9	2.52231	0.27559
B 249.678	8.22038	ug/L	0.182835	2.2	258.698	8.22038
Ba 493.408	0.372711	ug/L	0.026993	7.2	1155.30	0.37271
Be 313.042	0.005860	ug/L	0.004127	70.4	195.789	0.00586
Ca 373.690	109519	ug/L	34.6151	0.0	5169369	519.40625K
Cd 214.439	0.375215	ug/L	0.016021	4.3	19.6418	0.37521
Co 228.615	1.71512	ug/L	0.111150	6.5	31.3503	1.71512
Cr 267.716	0.271834	ug/L	0.034804	12.8	46.8480	0.27183
Cu 327.395	0.322003	ug/L	0.046614	14.5	94.1980	0.32200
Fe 273.955	43899.2	ug/L	72.3403	0.2	6058353	899.21094K
K 404.721	1432.71	ug/L	255.080	17.8	36.1587	1432.71069
Li 610.365	1.30570	ug/L	0.072931	5.6	130.505	1.30570
Mg 279.078	110351	ug/L	143.482	0.1	4808300	350.64063K
Mn 257.610	3.24411	ug/L	0.005584	0.2	1043.82	3.24411
Mo 202.032	0.712460	ug/L	0.192407	27.0	14.9406	0.71246
Na 330.237	118.298	ug/L	14.1612	12.0	31.9760	118.29813
Ni 216.555	5.80572	ug/L	0.102938	1.8	52.9177	5.80572
Pb 220.353	-0.643230uv	ug/L	0.303127	47.1	2.09064	-0.64323
Sb 217.582	0.155235uv	ug/L	0.469636	302.5	4.11621	0.15524
Se 196.026	-0.314475uv	ug/L	0.158075	50.3	1.94724	-0.31447
Si 251.611	-3.44035uv	ug/L	1.05148	30.6	33.5913	-3.44035
Si 288.158	-1.83865uv	ug/L	1.01515	55.2	369.103	-1.83865

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sn 283.998	0.615843	ug/L	0.833066	135.3	15.2451	0.61584
Sr 421.552	0.597025	ug/L	0.001104	0.2	1531.50	0.59703
Ti 336.122	1.74988	ug/L	0.017101	1.0	462.528	1.74988
Tl 190.794	0.362839uv	ug/L	2.28051	628.5	1.99272	0.36284
V 292.401	1.28164	ug/L	0.216157	16.9	66.8112	1.28164
Zn 202.548	1.98357	ug/L	0.608656	30.7	92.3886	1.98357
Zr 339.198	0.776714	ug/L	0.047520	6.1	49.3718	0.77671

Interf Check AB (ICSAB) **9/17/2009, 11:41:09 AM** **Rack 0, Tube 11**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	607.467	ug/L	0.806285	0.1	5423.51	101.24453
Al 237.312	112240	ug/L	82.8033	0.1	449716	112.23965
As 188.980	1962.93	ug/L	3.24948	0.2	2185.65	98.14674
B 249.678	8.03448	ug/L	1.08831	13.5	253.213	-
Ba 493.408	587.288	ug/L	0.472498	0.1	1504575	97.88128
Be 313.042	191.637	ug/L	0.011307	0.0	677553	95.81865
Ca 373.690	106167	ug/L	137.720	0.1	503006	106.16707
Cd 214.439	568.554	ug/L	0.236767	0.0	23017.5	94.75896
Co 228.615	570.621	ug/L	0.345871	0.1	5396.14	95.10349
Cr 267.716	565.417	ug/L	0.572151	0.1	27757.6	94.23617
Cu 327.395	599.778	ug/L	0.739864	0.1	41507.2	99.96297
Fe 273.955	42761.1	ug/L	28.4666	0.1	591384	106.90282
K 404.721	42539.1	ug/L	104.713	0.2	659.299	106.34782
Li 610.365	1.29725	ug/L	0.021631	1.7	129.842	-
Mg 279.078	106376	ug/L	114.491	0.1	464815	106.37579
Mn 257.610	382.918	ug/L	0.046503	0.0	118189	95.72961
Mo 202.032	0.407523	ug/L	0.188088	46.2	12.1172	-
Na 330.237	-140.002uv	ug/L	48.8762	34.9	-3.91870	-
Ni 216.555	574.877	ug/L	3.10045	0.5	4962.63	95.81287
Pb 220.353	1864.11	ug/L	2.62342	0.1	9933.30	93.20530
Sb 217.582	944.485	ug/L	7.42138	0.8	1841.63	94.44847
Se 196.026	978.237	ug/L	1.99400	0.2	552.582	97.82365
Si 251.611	-2.77400uv	ug/L	0.971728	35.0	37.2530	-
Si 288.158	-0.916203uv	ug/L	1.19809	130.8	380.520	-
Sn 283.998	240.277	ug/L	0.501608	0.2	1149.38	-
Sr 421.552	0.624462	ug/L	0.000795	0.1	1600.13	-
Ti 336.122	1.71775	ug/L	0.020107	1.2	454.430	-
Tl 190.794	1878.57	ug/L	1.23744	0.1	1531.04	93.92831
V 292.401	584.410	ug/L	0.073197	0.0	24051.6	97.40173
Zn 202.548	553.253	ug/L	2.85739	0.5	13425.8	92.20889
Zr 339.198	1.65781	ug/L	0.060453	3.6	103.448	-

RB (ICSAB) **9/17/2009, 11:44:03 AM** **Rack 4, Tube 1**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.287959uv	ug/L	0.281807	97.9	1.40570	-
Al 237.312	1.59131	ug/L	0.147681	9.3	16.4337	-
As 188.980	0.624415	ug/L	0.297760	47.7	2.91032	-
B 249.678	4.74847	ug/L	0.071232	1.5	156.258	-
Ba 493.408	-0.000273uv	ug/L	0.006489	2374.0	199.879	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Be 313.042	0.007013	ug/L	0.001871	26.7	199.865	-
Ca 373.690	1.42403	ug/L	0.485911	34.1	37.6514	-
Cd 214.439	0.000938uv	ug/L	0.020994	2239.2	4.49243	-
Co 228.615	0.155091	ug/L	0.178855	115.3	16.6392	-
Cr 267.716	-0.067207uv	ug/L	0.029219	43.5	30.2238	-
Cu 327.395	0.208342	ug/L	0.096374	46.3	86.3458	-
Fe 273.955	5.53757	ug/L	1.31065	23.7	118.519	-
K 404.721	-232.613uv	ug/L	574.726	247.1	14.6099	-
Li 610.365	-0.246485uv	ug/L	0.024709	10.0	8.61230	-
Mg 279.078	1.69374	ug/L	0.118018	7.0	20.9422	-
Mn 257.610	0.027622	ug/L	0.001557	5.6	51.4041	-
Mo 202.032	0.299240	ug/L	0.039743	13.3	11.1146	-
Na 330.237	-6.54316uv	ug/L	9.25964	141.5	14.6256	-
Ni 216.555	0.224317	ug/L	0.140454	62.6	4.76363	-
Pb 220.353	0.411719	ug/L	0.099173	24.1	7.70905	-
Sb 217.582	0.929021	ug/L	0.597935	64.4	5.62187	-
Se 196.026	0.906897	ug/L	0.038100	4.2	2.63451	-
Si 251.611	-0.348445uv	ug/L	2.56705	736.7	50.5818	-
Si 288.158	0.041352uv	ug/L	2.89208	6993.9	392.373	-
Sn 283.998	-0.214967uv	ug/L	0.156811	72.9	11.3135	-
Sr 421.552	0.001774uv	ug/L	0.002668	150.4	42.5894	-
Ti 336.122	0.115715	ug/L	0.077212	66.7	50.6750	-
Tl 190.794	1.48457	ug/L	0.318141	21.4	2.90593	-
V 292.401	0.200184	ug/L	0.012690	6.3	22.3294	-
Zn 202.548	0.130642	ug/L	0.037047	28.4	47.5722	-
Zr 339.198	0.023321	ug/L	0.004742	20.3	3.13306	-

CCV (CCV) **9/17/2009, 11:46:58 AM** **Rack 4, Tube 2**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	992.775	ug/L	2.23094	0.2	8861.04	99.27745
Al 237.312	4977.53	ug/L	3.09152	0.1	22819.8	99.55054
As 188.980	990.588	ug/L	0.819621	0.1	1104.08	99.05878
B 249.678	996.783	ug/L	17.0533	1.7	29426.7	99.67827
Ba 493.408	996.505	ug/L	1.26221	0.1	2552810	99.65047
Be 313.042	994.910	ug/L	0.328910	0.0	3516871	99.49101
Ca 373.690	19846.3	ug/L	0.843834	0.0	104601	99.23151
Cd 214.439	990.656	ug/L	1.02644	0.1	40102.6	99.06564
Co 228.615	992.823	ug/L	1.14279	0.1	9377.52	99.28231
Cr 267.716	992.995	ug/L	0.620099	0.1	48723.0	99.29945
Cu 327.395	995.344	ug/L	1.47956	0.1	68834.7	99.53444
Fe 273.955	4966.82	ug/L	5.86712	0.1	80410.0	99.33645
K 404.721	20073.9	ug/L	195.150	1.0	296.991	100.36955
Li 610.365	4956.86	ug/L	0.244449	0.0	389289	99.13715
Mg 279.078	19825.3	ug/L	31.9938	0.2	92825.1	99.12639
Mn 257.610	993.380	ug/L	0.978055	0.1	306541	99.33799
Mo 202.032	995.815	ug/L	2.19180	0.2	9228.58	99.58154
Na 330.237	19900.6	ug/L	5.60990	0.0	2879.00	99.50311
Ni 216.555	994.386	ug/L	0.794330	0.1	8581.99	99.43862
Pb 220.353	994.699	ug/L	2.21610	0.2	5303.04	99.46988
Sb 217.582	990.771	ug/L	1.09942	0.1	1931.69	99.07710
Se 196.026	1000.16	ug/L	1.68408	0.2	564.917	100.01564
Si 251.611	987.290	ug/L	8.10601	0.8	5477.82	98.72896

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Si 288.158	987.063	ug/L	8.59184	0.9	12609.5	98.70625
Sn 283.998	995.052	ug/L	1.66177	0.2	4721.14	99.50525
Sr 421.552	996.801	ug/L	0.095380	0.0	2493355	99.68011
Ti 336.122	996.637	ug/L	0.216482	0.0	251201	99.66367
Tl 190.794	997.763	ug/L	1.35319	0.1	813.976	99.77634
V 292.401	993.916	ug/L	0.081526	0.0	40895.1	99.39156
Zn 202.548	991.415	ug/L	1.25125	0.1	24023.5	99.14149
Zr 339.198	990.205	ug/L	3.21362	0.3	60774.5	99.02049

CCB (CCB) **9/17/2009, 11:49:51 AM** **Rack 4, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.136854uv	ug/L	0.021595	15.8	2.75378	-0.13685
Al 237.312	-1.27759uv	ug/L	0.350518	27.4	3.07770	-1.27759
As 188.980	1.60887	ug/L	0.035182	2.2	4.00536	1.60887
B 249.678	27.3920	ug/L	4.10854	15.0	824.367	27.39202
Ba 493.408	0.003656	ug/L	0.003851	105.3	209.944	0.00366
Be 313.042	0.023308	ug/L	0.003487	15.0	257.465	0.02331
Ca 373.690	-0.041205uv	ug/L	0.752558	1826.4	29.7512	-0.04121
Cd 214.439	-0.010851uv	ug/L	0.048897	450.6	4.01526	-0.01085
Co 228.615	-0.073376uv	ug/L	0.011568	15.8	14.4848	-0.07338
Cr 267.716	-0.084367uv	ug/L	0.044513	52.8	29.3823	-0.08437
Cu 327.395	0.051817uv	ug/L	0.190212	367.1	75.5323	0.05182
Fe 273.955	1.55158	ug/L	0.782328	50.4	52.4796	1.55158
K 404.721	-83.4825uv	ug/L	158.470	189.8	16.5292	-83.48251
Li 610.365	-0.333982uv	ug/L	0.044969	13.5	1.74121	-0.33398
Mg 279.078	1.10631	ug/L	0.882198	79.7	18.1500	1.10631
Mn 257.610	0.006034uv	ug/L	0.016978	281.4	44.7433	0.00603
Mo 202.032	10.4909	ug/L	1.74488	16.6	105.479	10.49088
Na 330.237	-15.4293uv	ug/L	7.42212	48.1	13.3909	-15.42931
Ni 216.555	0.059494uv	ug/L	0.091016	153.0	3.34160	0.05949
Pb 220.353	0.089872uv	ug/L	0.378143	420.8	5.99496	0.08987
Sb 217.582	1.27767	ug/L	0.891840	69.8	6.30028	1.27767
Se 196.026	5.00195	ug/L	0.688069	13.8	4.93881	5.00195
Si 251.611	-1.32271uv	ug/L	0.847174	64.0	45.2281	-1.32271
Si 288.158	-0.724998uv	ug/L	0.965120	133.1	382.887	-0.72500
Sn 283.998	-0.196149uv	ug/L	0.075296	38.4	11.4026	-0.19615
Sr 421.552	0.010394	ug/L	0.004098	39.4	64.1499	0.01039
Ti 336.122	0.393104	ug/L	0.134769	34.3	120.584	0.39310
Tl 190.794	1.52536	ug/L	1.43413	94.0	2.93913	1.52536
V 292.401	0.128272	ug/L	0.051285	40.0	19.3716	0.12827
Zn 202.548	-0.032290uv	ug/L	0.025534	79.1	43.6315	-0.03229
Zr 339.198	0.481598	ug/L	0.054915	11.4	31.2594	0.48160

ICB RR (Samp) **9/17/2009, 11:52:46 AM** **Rack 1, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.292276	ug/L	0.351787	120.4	6.58228
Al 237.312	-0.742408uv	ug/L	0.102680	13.8	5.56921
As 188.980	-0.354390uv	ug/L	0.310297	87.6	1.82156
B 249.678	12.0274	ug/L	0.584788	4.9	371.027

MET091709emn@720/725/730/735-ES@Quant@. All Data Report 9/18/2009, 7:11:26 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ba 493.408	-0.011113uv	ug/L	0.007507	67.6	172.113
Be 313.042	0.007277	ug/L	0.001971	27.1	200.801
Ca 373.690	0.658563	ug/L	0.619491	94.1	33.5242
Cd 214.439	-0.020755uv	ug/L	0.041324	199.1	3.61441
Co 228.615	0.114489	ug/L	0.093495	81.7	16.2564
Cr 267.716	-0.102692uv	ug/L	0.059027	57.5	28.4838
Cu 327.395	0.049620uv	ug/L	0.094208	189.9	75.3806
Fe 273.955	0.544519	ug/L	0.091467	16.8	35.7943
K 404.721	-587.902uv	ug/L	0.563174	0.1	10.0347
Li 610.365	-0.300344uv	ug/L	0.002075	0.7	4.38281
Mg 279.078	0.848492	ug/L	0.092849	10.9	16.9245
Mn 257.610	0.011544	ug/L	0.005346	46.3	46.4435
Mo 202.032	2.48835	ug/L	0.850445	34.2	31.3836
Na 330.237	-1.01692uv	ug/L	72.2128	7101.1	15.3938
Ni 216.555	0.079449	ug/L	0.039844	50.2	3.51376
Pb 220.353	-0.164708uv	ug/L	0.518775	315.0	4.63913
Sb 217.582	0.423118	ug/L	0.141762	33.5	4.63747
Se 196.026	1.44376uv	ug/L	2.40655	166.7	2.93660
Si 251.611	-1.66893uv	ug/L	0.862834	51.7	43.3255
Si 288.158	-1.19976uv	ug/L	0.812540	67.7	377.011
Sn 283.998	-0.138161uv	ug/L	0.112506	81.4	11.6770
Sr 421.552	0.001206uv	ug/L	0.002604	216.0	41.1665
Ti 336.122	0.155031	ug/L	0.014257	9.2	60.5837
Tl 190.794	0.184695uv	ug/L	0.532694	288.4	1.84769
V 292.401	0.015577uv	ug/L	0.069213	444.3	14.7363
Zn 202.548	-0.048791uv	ug/L	0.002522	5.2	43.2324
Zr 339.198	0.290533	ug/L	0.052009	17.9	19.5330

ICVNa K Mg Ca 75ppm (Samp) 9/17/2009, 11:55:40 AM Rack 1, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.229212	ug/L	0.173939	75.9	6.01965
Al 237.312	2.78439	ug/L	1.27157	45.7	21.9879
As 188.980	0.032930uv	ug/L	1.45380	4414.9	2.25239
B 249.678	7.74895	ug/L	0.319930	4.1	244.789
Ba 493.408	0.227202	ug/L	0.005131	2.3	782.571
Be 313.042	0.048335	ug/L	0.001012	2.1	345.928
Ca 373.690	78083.8	ug/L	154.000	0.2	383342
Cd 214.439	-0.037026uv	ug/L	0.006735	18.2	2.95581
Co 228.615	0.500971	ug/L	0.147573	29.5	19.9009
Cr 267.716	-0.025486uv	ug/L	0.099868	391.9	32.2695
Cu 327.395	0.394244	ug/L	0.075331	19.1	99.1887
Fe 273.955	3.99287	ug/L	0.213761	5.4	92.9271
K 404.721	75902.9	ug/L	317.369	0.4	1294.13
Li 610.365	1.11766	ug/L	0.034470	3.1	115.738
Mg 279.078	76736.2	ug/L	127.064	0.2	343438
Mn 257.610	3.80182	ug/L	0.012597	0.3	1215.90
Mo 202.032	1.37304	ug/L	0.338549	24.7	21.0569
Na 330.237	77068.4	ug/L	271.993	0.4	12197.8
Ni 216.555	1.04139	ug/L	0.042755	4.1	11.8130
Pb 220.353	0.561225	ug/L	0.108889	19.4	8.50528
Sb 217.582	1.22484	ug/L	0.713836	58.3	6.19748
Se 196.026	3.08292	ug/L	0.977288	31.7	3.85896

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Si 251.611	2.84530	ug/L	1.21803	42.8	68.1320
Si 288.158	0.510232	ug/L	0.464715	91.1	398.177
Sn 283.998	-0.329796uv	ug/L	0.153838	46.6	10.7701
Sr 421.552	0.489231	ug/L	0.003224	0.7	1261.87
Ti 336.122	1.50387	ug/L	0.023526	1.6	400.526
Tl 190.794	0.239997uv	ug/L	0.937678	390.7	1.89272
V 292.401	1.07972	ug/L	0.023554	2.2	58.5056
Zn 202.548	-0.565413uv	ug/L	0.229236	40.5	30.7369
Zr 339.198	0.493315	ug/L	0.076385	15.5	31.9785

ICV Sb 1ppm (Samp) **9/17/2009, 11:58:34 AM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.021256uv	ug/L	0.297519	1399.7	4.16437
Al 237.312	-0.394088uv	ug/L	0.713979	181.2	7.19080
As 188.980	-1.10129uv	ug/L	0.133462	12.1	0.990761
B 249.678	5.45197	ug/L	0.140591	2.6	177.015
Ba 493.408	-0.016069uv	ug/L	0.004464	27.8	159.417
Be 313.042	-0.033027uv	ug/L	0.001642	5.0	58.3374
Ca 373.690	2.79589	ug/L	1.35947	48.6	45.0480
Cd 214.439	-0.032137uv	ug/L	0.018832	58.6	3.15370
Co 228.615	0.212930	ug/L	0.090921	42.7	17.1847
Cr 267.716	-0.110387uv	ug/L	0.043793	39.7	28.1065
Cu 327.395	0.140791	ug/L	0.116125	82.5	81.6791
Fe 273.955	0.678519	ug/L	0.612058	90.2	38.0144
K 404.721	-240.497uv	ug/L	438.423	182.3	14.5077
Li 610.365	-0.168676uv	ug/L	0.069185	41.0	14.7227
Mg 279.078	2.00061	ug/L	1.18675	59.3	22.4009
Mn 257.610	0.318244	ug/L	0.012766	4.0	141.073
Mo 202.032	0.527495	ug/L	0.427563	81.1	13.2281
Na 330.237	-57.5346uv	ug/L	17.7192	30.8	7.54028
Ni 216.555	0.171756	ug/L	0.170616	99.3	4.31015
Pb 220.353	0.361443	ug/L	0.215591	59.6	7.44128
Sb 217.582	998.970	ug/L	0.689584	0.1	1947.65
Se 196.026	4.36985	ug/L	0.683610	15.6	4.58312
Si 251.611	0.793083uv	ug/L	1.33414	168.2	56.8547
Si 288.158	1.47177	ug/L	1.47343	100.1	410.078
Sn 283.998	0.443387	ug/L	0.412247	93.0	14.4290
Sr 421.552	0.002981	ug/L	0.001335	44.8	45.6084
Ti 336.122	0.113997	ug/L	0.010131	8.9	50.2419
Tl 190.794	-0.406867uv	ug/L	0.449463	110.5	1.36610
V 292.401	0.019352uv	ug/L	0.082606	426.9	14.8915
Zn 202.548	-0.513111uv	ug/L	0.100141	19.5	32.0019
Zr 339.198	13.0238	ug/L	1.74652	13.4	801.022

CRI RL B Mo (Samp) **9/17/2009, 12:10:43 PM** **Rack 1, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	4.25284	ug/L	1.00411	23.6	41.9166
Al 237.312	102.169	ug/L	0.070629	0.1	484.516
As 188.980	9.42613	ug/L	1.54160	16.4	12.7008

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	11.6007	ug/L	0.198365	1.7	358.436
Ba 493.408	11.1055	ug/L	0.003602	0.0	28648.0
Be 313.042	1.00758	ug/L	0.000227	0.0	3736.55
Ca 373.690	407.183	ug/L	0.089273	0.0	2224.36
Cd 214.439	0.985377	ug/L	0.000102	0.0	44.3390
Co 228.615	10.8352	ug/L	0.311651	2.9	117.353
Cr 267.716	5.04045	ug/L	0.010270	0.2	280.667
Cu 327.395	10.9669	ug/L	0.021106	0.2	829.597
Fe 273.955	103.941	ug/L	0.531619	0.5	1748.09
K 404.721	3657.07	ug/L	501.708	13.7	65.3906
Li 610.365	81.8421	ug/L	0.004445	0.0	6455.01
Mg 279.078	416.224	ug/L	0.164455	0.0	1990.71
Mn 257.610	10.5586	ug/L	0.002656	0.0	3300.65
Mo 202.032	9.79813	ug/L	0.200829	2.0	99.0647
Na 330.237	1969.73	ug/L	42.7412	2.2	290.194
Ni 216.555	10.7676	ug/L	0.132713	1.2	95.7270
Pb 220.353	5.22229	ug/L	0.071070	1.4	33.3290
Sb 217.582	10.3917	ug/L	0.021526	0.2	24.0347
Se 196.026	9.92236	ug/L	0.554135	5.6	7.70755
Si 251.611	94.2952	ug/L	0.014059	0.0	570.665
Si 288.158	96.2257	ug/L	0.847350	0.9	1582.92
Sn 283.998	31.2888	ug/L	0.417426	1.3	160.396
Sr 421.552	21.8619	ug/L	0.026251	0.1	54721.8
Ti 336.122	10.3269	ug/L	0.051020	0.5	2624.16
Tl 190.794	11.1486	ug/L	1.42132	12.7	10.7734
V 292.401	10.3216	ug/L	0.231256	2.2	438.637
Zn 202.548	51.4998	ug/L	0.161453	0.3	1290.02
Zr 339.198	10.3780	ug/L	0.330820	3.2	638.638

CCV (CCV) **9/17/2009, 12:40:39 PM** **Rack 4, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	996.916	ug/L	1.48780	0.1	8897.98	99.69155
Al 237.312	5006.66	ug/L	3.56523	0.1	22951.2	100.13315
As 188.980	999.694	ug/L	0.370774	0.0	1114.21	99.96938
B 249.678	1024.41	ug/L	7.38185	0.7	30241.9	102.44112
Ba 493.408	1003.51	ug/L	3.05354	0.3	2570766	100.35144
Be 313.042	1000.06	ug/L	0.051488	0.0	3535083	100.00626
Ca 373.690	19980.9	ug/L	20.0241	0.1	105293	99.90450
Cd 214.439	996.933	ug/L	1.55888	0.2	40356.7	99.69334
Co 228.615	998.844	ug/L	0.636543	0.1	9434.29	99.88438
Cr 267.716	998.895	ug/L	0.946506	0.1	49012.3	99.88947
Cu 327.395	1000.28	ug/L	7.86566	0.8	69175.6	100.02785
Fe 273.955	4997.08	ug/L	2.94064	0.1	80887.9	99.94158
K 404.721	20358.2	ug/L	82.9428	0.4	301.247	101.79086
Li 610.365	4989.17	ug/L	7.10870	0.1	391826	99.78334
Mg 279.078	19941.9	ug/L	3.11707	0.0	93362.6	99.70950
Mn 257.610	999.170	ug/L	0.157355	0.0	308327	99.91702
Mo 202.032	1013.58	ug/L	1.95775	0.2	9393.08	101.35817
Na 330.237	20007.9	ug/L	60.8305	0.3	2894.97	100.03942
Ni 216.555	996.082	ug/L	1.41029	0.1	8596.61	99.60815
Pb 220.353	996.920	ug/L	2.07100	0.2	5314.88	99.69203
Sb 217.582	997.771	ug/L	2.31562	0.2	1945.32	99.77708

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Se 196.026	1002.89	ug/L	0.309489	0.0	566.455	100.28899
Si 251.611	990.268	ug/L	5.24400	0.5	5494.19	99.02684
Si 288.158	988.104	ug/L	7.68866	0.8	12622.4	98.81038
Sn 283.998	999.090	ug/L	0.746251	0.1	4740.25	99.90896
Sr 421.552	1002.63	ug/L	1.20641	0.1	2507932	100.26290
Ti 336.122	1004.32	ug/L	0.087396	0.0	253137	100.43203
Tl 190.794	1009.05	ug/L	1.38953	0.1	823.167	100.90530
V 292.401	1001.18	ug/L	1.06748	0.1	41193.8	100.11791
Zn 202.548	995.269	ug/L	1.59207	0.2	24116.7	99.52694
Zr 339.198	1007.72	ug/L	1.64744	0.2	61849.4	100.77190

CCB (CCB) **9/17/2009, 12:43:32 PM** **Rack 4, Tube 3**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.096538uv	ug/L	0.158159	163.8	4.83600	0.09654
Al 237.312	0.143547	ug/L	0.056736	39.5	9.69373	0.14355
As 188.980	0.322348uv	ug/L	1.15385	358.0	2.57432	0.32235
B 249.678	38.2072	ug/L	4.83165	12.6	1143.47	38.20718
Ba 493.408	0.031110	ug/L	0.009628	30.9	280.271	0.03111
Be 313.042	-0.009313uv	ug/L	0.003509	37.7	142.158	-0.00931
Ca 373.690	0.704613	ug/L	0.592915	84.1	33.7725	0.70461
Cd 214.439	0.042948	ug/L	0.031336	73.0	6.19286	0.04295
Co 228.615	0.115157	ug/L	0.067456	58.6	16.2627	0.11516
Cr 267.716	-0.175922uv	ug/L	0.032467	18.5	24.8931	-0.17592
Cu 327.395	-0.013706uv	ug/L	0.083960	612.6	71.0057	-0.01371
Fe 273.955	1.50765	ug/L	0.338957	22.5	51.7517	1.50765
K 404.721	-414.617uv	ug/L	104.759	25.3	12.2657	-414.61685
Li 610.365	-0.324693uv	ug/L	0.046147	14.2	2.47070	-0.32469
Mg 279.078	1.02655	ug/L	1.03784	101.1	17.7709	1.02655
Mn 257.610	0.042821	ug/L	0.008288	19.4	56.0936	0.04282
Mo 202.032	12.2997	ug/L	2.40463	19.6	122.227	12.29974
Na 330.237	-32.0253uv	ug/L	16.6345	51.9	11.0848	-32.02528
Ni 216.555	0.189426	ug/L	0.184060	97.2	4.46260	0.18943
Pb 220.353	0.490280	ug/L	0.216596	44.2	8.12744	0.49028
Sb 217.582	0.464483	ug/L	0.592756	127.6	4.71796	0.46448
Se 196.026	4.20637	ug/L	2.20492	52.4	4.49113	4.20637
Si 251.611	-1.09604uv	ug/L	0.378949	34.6	46.4737	-1.09604
Si 288.158	-0.670352uv	ug/L	0.155175	23.1	383.563	-0.67035
Sn 283.998	0.989272	ug/L	0.541387	54.7	17.0123	0.98927
Sr 421.552	0.033027	ug/L	0.003713	11.2	120.761	0.03303
Ti 336.122	0.450129	ug/L	0.113848	25.3	134.956	0.45013
Tl 190.794	1.75493	ug/L	0.172566	9.8	3.12602	1.75493
V 292.401	0.224381	ug/L	0.024782	11.0	23.3246	0.22438
Zn 202.548	0.022672uv	ug/L	0.049022	216.2	44.9608	0.02267
Zr 339.198	0.510476	ug/L	0.087867	17.2	33.0317	0.51048

CCV (CCV) **9/17/2009, 3:02:50 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	962.241	ug/L	0.295376	0.0	8588.63	96.22412
Al 237.312	4817.50	ug/L	5.44313	0.1	22097.7	96.35004

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	955.010	ug/L	1.31197	0.1	1064.50	95.50095
B 249.678	970.280	ug/L	19.5254	2.0	28644.8	97.02799
Ba 493.408	968.936	ug/L	1.32388	0.1	2482190	96.89357
Be 313.042	959.122	ug/L	2.02853	0.2	3390372	95.91222
Ca 373.690	19259.9	ug/L	52.1878	0.3	101581	96.29948
Cd 214.439	961.066	ug/L	0.831834	0.1	38904.9	96.10659
Co 228.615	963.042	ug/L	2.42093	0.3	9096.68	96.30418
Cr 267.716	962.178	ug/L	1.90933	0.2	47212.0	96.21779
Cu 327.395	958.238	ug/L	0.914612	0.1	66271.2	95.82378
Fe 273.955	4811.55	ug/L	11.1680	0.2	77954.8	96.23098
K 404.721	19259.0	ug/L	379.225	2.0	284.838	96.29524
Li 610.365	4807.92	ug/L	6.61808	0.1	377593	96.15833
Mg 279.078	19195.2	ug/L	20.4301	0.1	89919.1	95.97592
Mn 257.610	961.087	ug/L	1.28275	0.1	296577	96.10869
Mo 202.032	969.623	ug/L	2.51885	0.3	8986.07	96.96230
Na 330.237	19285.1	ug/L	48.0888	0.2	2787.48	96.42537
Ni 216.555	963.157	ug/L	1.60273	0.2	8312.55	96.31567
Pb 220.353	958.995	ug/L	0.070305	0.0	5112.90	95.89954
Sb 217.582	958.462	ug/L	3.30666	0.3	1868.83	95.84617
Se 196.026	946.722	ug/L	1.35172	0.1	534.849	94.67220
Si 251.611	966.416	ug/L	8.52395	0.9	5363.12	96.64161
Si 288.158	959.198	ug/L	10.2970	1.1	12264.6	95.91978
Sn 283.998	960.941	ug/L	3.23606	0.3	4559.72	96.09407
Sr 421.552	964.883	ug/L	0.965884	0.1	2413517	96.48827
Ti 336.122	965.067	ug/L	0.339268	0.0	243244	96.50674
Tl 190.794	968.860	ug/L	3.83876	0.4	790.446	96.88596
V 292.401	963.180	ug/L	1.65038	0.2	39630.9	96.31797
Zn 202.548	959.496	ug/L	2.34350	0.2	23251.5	95.94955
Zr 339.198	1029.68	ug/L	6.18520	0.6	63197.6	102.96848

CCB (CCB) **9/17/2009, 3:05:43 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	0.328063	ug/L	0.108603	33.1	6.90155	0.32806
Al 237.312	0.251302	ug/L	0.164033	65.3	10.1954	0.25130
As 188.980	2.05948	ug/L	1.55113	75.3	4.50658	2.05948
B 249.678	31.2206	ug/L	3.62141	11.6	937.332	31.22063
Ba 493.408	0.096271	ug/L	0.002567	2.7	447.183	0.09627
Be 313.042	0.101046	ug/L	0.001478	1.5	532.245	0.10105
Ca 373.690	1.67677	ug/L	0.512262	30.6	39.0140	1.67677
Cd 214.439	0.064656	ug/L	0.017183	26.6	7.07153	0.06466
Co 228.615	0.503835	ug/L	0.010693	2.1	19.9279	0.50384
Cr 267.716	0.133958	ug/L	0.010145	7.6	40.0875	0.13396
Cu 327.395	0.065986	ug/L	0.058234	88.3	76.5112	0.06599
Fe 273.955	8.95043	ug/L	3.12662	34.9	175.061	8.95043
K 404.721	-311.719uv	ug/L	1.17993	0.4	13.5906	-311.71875
Li 610.365	-0.265599uv	ug/L	0.069537	26.2	7.11133	-0.26560
Mg 279.078	3.12802	ug/L	0.484492	15.5	27.7598	3.12802
Mn 257.610	0.168136	ug/L	0.002457	1.5	94.7582	0.16814
Mo 202.032	14.6046	ug/L	3.03561	20.8	143.568	14.60458
Na 330.237	-33.9712uv	ug/L	24.2890	71.5	10.8145	-33.97119
Ni 216.555	0.070569	ug/L	0.086799	123.0	3.43715	0.07057
Pb 220.353	0.135691uv	ug/L	0.404934	298.4	6.23898	0.13569

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sb 217.582	0.123570uv	ug/L	0.797964	645.8	4.05460	0.12357
Se 196.026	6.69972	ug/L	0.219136	3.3	5.89415	6.69972
Si 251.611	6.33880	ug/L	1.45072	22.9	87.3294	6.33880
Si 288.158	5.32730	ug/L	1.62865	30.6	457.801	5.32730
Sn 283.998	1.89769	ug/L	0.488965	25.8	21.3111	1.89769
Sr 421.552	0.100034	ug/L	0.001198	1.2	288.368	0.10003
Ti 336.122	0.681987	ug/L	0.171673	25.2	193.391	0.68199
Tl 190.794	0.936529	ug/L	0.467500	49.9	2.45976	0.93653
V 292.401	0.524256	ug/L	0.025097	4.8	35.6589	0.52426
Zn 202.548	0.063202	ug/L	0.031325	49.6	45.9411	0.06320
Zr 339.198	0.505593	ug/L	0.095897	19.0	32.7321	0.50559

MB 360-49084/1-A (Samp) **9/17/2009, 3:16:19 PM** **Rack 1, Tube 53**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.182814uv	ug/L	0.462528	253.0	5.60571
Al 237.312	2.41356	ug/L	0.516580	21.4	20.2615
As 188.980	-0.982187uv	ug/L	0.307960	31.4	1.12324
B 249.678	8.01332	ug/L	0.059456	0.7	252.589
Ba 493.408	0.745076	ug/L	0.000343	0.0	2109.14
Be 313.042	0.007319	ug/L	0.003493	47.7	200.949
Ca 373.690	139.958	ug/L	0.292711	0.2	784.464
Cd 214.439	0.027527	ug/L	0.026885	97.7	5.56866
Co 228.615	0.278622	ug/L	0.089946	32.3	17.8041
Cr 267.716	1.26900	ug/L	0.055755	4.4	95.7419
Cu 327.395	0.890649	ug/L	0.122613	13.8	133.483
Fe 273.955	45.4563	ug/L	4.26707	9.4	779.756
K 404.721	-520.426uv	ug/L	154.128	29.6	10.9034
Li 610.365	-0.014015uv	ug/L	0.028719	204.9	26.8682
Mg 279.078	36.0664	ug/L	0.194569	0.5	184.321
Mn 257.610	0.720891	ug/L	0.004415	0.6	265.305
Mo 202.032	2.84197	ug/L	1.33799	47.1	34.6578
Na 330.237	190.483	ug/L	78.3660	41.1	42.0123
Ni 216.555	0.498177	ug/L	0.273374	54.9	7.12637
Pb 220.353	0.920594	ug/L	0.009595	1.0	10.4192
Sb 217.582	-0.922841uv	ug/L	0.186832	20.2	2.01845
Se 196.026	1.54298	ug/L	1.38867	90.0	2.99244
Si 251.611	49.9691	ug/L	7.37847	14.8	327.086
Si 288.158	49.5166	ug/L	7.16210	14.5	1004.77
Sn 283.998	10.2185	ug/L	0.697031	6.8	60.6869
Sr 421.552	0.330412	ug/L	0.001276	0.4	864.616
Ti 336.122	0.549306	ug/L	0.071683	13.0	159.951
Tl 190.794	0.557285	ug/L	0.132514	23.8	2.15102
V 292.401	0.423528	ug/L	0.115314	27.2	31.5158
Zn 202.548	3.22735	ug/L	0.012940	0.4	122.471
Zr 339.198	2.60511	ug/L	0.313125	12.0	161.588

LCS 360-49084/2-A (Samp) **9/17/2009, 3:19:13 PM** **Rack 1, Tube 54**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	884.467	ug/L	1.70959	0.2	7894.77
Al 237.312	4404.59	ug/L	6.46927	0.1	20231.1
As 188.980	877.482	ug/L	0.880862	0.1	978.268
B 249.678	879.397	ug/L	8.37398	1.0	25963.2
Ba 493.408	914.663	ug/L	1.91921	0.2	2343168
Be 313.042	894.412	ug/L	2.42015	0.3	3161642
Ca 373.690	18260.8	ug/L	59.1056	0.3	96425.4
Cd 214.439	886.430	ug/L	2.74375	0.3	35883.9
Co 228.615	898.882	ug/L	2.12482	0.2	8491.66
Cr 267.716	908.750	ug/L	3.25246	0.4	44592.3
Cu 327.395	906.526	ug/L	3.73251	0.4	62698.7
Fe 273.955	4556.37	ug/L	20.6532	0.5	73912.0
K 404.721	17606.7	ug/L	261.881	1.5	260.397
Li 610.365	4222.83	ug/L	9.48552	0.2	331646
Mg 279.078	17494.0	ug/L	60.1662	0.3	82058.8
Mn 257.610	905.537	ug/L	2.77780	0.3	279437
Mo 202.032	941.384	ug/L	2.52619	0.3	8724.60
Na 330.237	17259.8	ug/L	49.9422	0.3	2487.72
Ni 216.555	893.887	ug/L	0.298052	0.0	7714.92
Pb 220.353	883.331	ug/L	2.12348	0.2	4709.93
Sb 217.582	828.534	ug/L	4.84181	0.6	1616.01
Se 196.026	875.084	ug/L	6.41100	0.7	494.538
Si 251.611	1061.92	ug/L	20.6172	1.9	5887.93
Si 288.158	1051.41	ug/L	20.5400	2.0	13405.9
Sn 283.998	903.346	ug/L	2.48717	0.3	4287.17
Sr 421.552	910.160	ug/L	1.41378	0.2	2276637
Ti 336.122	922.858	ug/L	6.56935	0.7	232606
Tl 190.794	885.510	ug/L	2.04273	0.2	722.591
V 292.401	910.868	ug/L	3.02877	0.3	37479.2
Zn 202.548	883.811	ug/L	2.93878	0.3	21420.9
Zr 339.198	961.524	ug/L	0.306770	0.0	59014.3

LCSD 360-49084/3-A (Samp) **9/17/2009, 3:22:06 PM** **Rack 1, Tube 55**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	874.176	ug/L	0.570511	0.1	7802.95
Al 237.312	4353.06	ug/L	10.6795	0.2	19997.8
As 188.980	870.826	ug/L	2.57781	0.3	970.864
B 249.678	900.387	ug/L	6.80055	0.8	26582.5
Ba 493.408	906.403	ug/L	3.06722	0.3	2322009
Be 313.042	887.836	ug/L	3.08716	0.3	3138397
Ca 373.690	18086.4	ug/L	96.3543	0.5	95524.4
Cd 214.439	877.496	ug/L	2.84435	0.3	35522.3
Co 228.615	888.909	ug/L	4.08162	0.5	8397.61
Cr 267.716	899.422	ug/L	3.69669	0.4	44134.9
Cu 327.395	900.901	ug/L	3.43157	0.4	62310.1
Fe 273.955	4528.66	ug/L	21.4697	0.5	73472.3
K 404.721	16710.9	ug/L	27.1504	0.2	247.265
Li 610.365	4159.13	ug/L	11.6566	0.3	326644
Mg 279.078	17280.6	ug/L	61.6978	0.4	81071.3
Mn 257.610	896.865	ug/L	3.18902	0.4	276762
Mo 202.032	946.431	ug/L	4.10907	0.4	8771.33
Na 330.237	17039.4	ug/L	28.0868	0.2	2455.20

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ni 216.555	881.397	ug/L	3.75581	0.4	7607.16
Pb 220.353	873.618	ug/L	3.27995	0.4	4658.20
Sb 217.582	858.991	ug/L	2.21692	0.3	1675.27
Se 196.026	867.724	ug/L	0.099480	0.0	490.396
Si 251.611	1082.60	ug/L	24.2668	2.2	6001.56
Si 288.158	1071.52	ug/L	21.6822	2.0	13654.9
Sn 283.998	899.340	ug/L	3.84627	0.4	4268.21
Sr 421.552	901.707	ug/L	2.56179	0.3	2255495
Ti 336.122	920.570	ug/L	1.86539	0.2	232030
Tl 190.794	875.699	ug/L	7.28285	0.8	714.604
V 292.401	901.919	ug/L	3.70549	0.4	37111.1
Zn 202.548	873.886	ug/L	3.92525	0.4	21180.9
Zr 339.198	952.969	ug/L	0.140826	0.0	58489.2

360-24417-A-2-D (Samp) **9/17/2009, 3:25:00 PM** **Rack 1, Tube 56**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.393035	ug/L	0.352174	89.6	7.48120
Al 237.312	147145	ug/L	322.518	0.2	586734
As 188.980	53.6112	ug/L	0.162650	0.3	61.8492
B 249.678	36.4415	ug/L	3.55362	9.8	1091.38
Ba 493.408	559.701	ug/L	0.332578	0.1	1433911
Be 313.042	4.28510	ug/L	0.015181	0.4	15321.5
Ca 373.690	52013.6	ug/L	146.642	0.3	263747
Cd 214.439	4.30152	ug/L	0.004568	0.1	178.564
Co 228.615	179.522	ug/L	0.186466	0.1	1708.07
Cr 267.716	284.736	ug/L	0.908246	0.3	13995.0
Cu 327.395	288.376	ug/L	0.085669	0.0	19994.2
Fe 273.955	297780	ug/L	393.858	0.1	3829573
K 404.721	31119.8	ug/L	108.907	0.3	468.581
Li 610.365	212.745	ug/L	0.351590	0.2	16734.8
Mg 279.078	118371	ug/L	509.807	0.4	513143
Mn 257.610	5920.80	ug/L	24.6531	0.4	1826848
Mo 202.032	8.78391	ug/L	1.61467	18.4	89.6740
Na 330.237	1286.08	ug/L	25.7671	2.0	194.647
Ni 216.555	279.332	ug/L	2.17859	0.8	2412.79
Pb 220.353	45.4370	ug/L	1.18307	2.6	247.503
Sb 217.582	2.58891	ug/L	1.11693	43.1	8.85175
Se 196.026	5.65750	ug/L	1.29961	23.0	5.30769
Si 251.611	2068.55	ug/L	6.41851	0.3	11419.5
Si 288.158	2090.83	ug/L	7.35350	0.4	26271.7
Sn 283.998	90.3984	ug/L	0.022653	0.0	440.116
Sr 421.552	157.090	ug/L	0.117380	0.1	392971
Ti 336.122	7847.64	ug/L	18.4966	0.2	1977837
Tl 190.794	3.58970	ug/L	0.208900	5.8	4.61971
V 292.401	364.588	ug/L	0.801947	0.2	15010.0
Zn 202.548	481.254	ug/L	0.915885	0.2	11684.4
Zr 339.198	34.5226	ug/L	0.264043	0.8	2120.49

360-24417-A-2-E DU (Samp) **9/17/2009, 3:27:53 PM** **Rack 1, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.277061	ug/L	0.115985	41.9	6.44653
Al 237.312	155929	ug/L	35.2780	0.0	621211
As 188.980	66.0707	ug/L	0.990307	1.5	75.7084
B 249.678	23.8428	ug/L	1.42859	6.0	719.646
Ba 493.408	700.349	ug/L	0.203103	0.0	1794188
Be 313.042	4.95025	ug/L	0.015685	0.3	17672.7
Ca 373.690	77920.4	ug/L	168.087	0.2	382619
Cd 214.439	4.76997	ug/L	0.003625	0.1	197.526
Co 228.615	197.454	ug/L	0.314322	0.2	1877.17
Cr 267.716	318.522	ug/L	0.709459	0.2	15651.6
Cu 327.395	380.646	ug/L	0.864786	0.2	26368.7
Fe 273.955	320781	ug/L	279.219	0.1	4121639
K 404.721	42504.0	ug/L	163.480	0.4	658.692
Li 610.365	204.789	ug/L	0.395751	0.2	16110.0
Mg 279.078	112704	ug/L	921.051	0.8	490310
Mn 257.610	6056.80	ug/L	9.99134	0.2	1868811
Mo 202.032	3.28360	ug/L	0.520652	15.9	38.7468
Na 330.237	1880.95	ug/L	10.0655	0.5	277.772
Ni 216.555	282.437	ug/L	1.56745	0.6	2439.58
Pb 220.353	50.1249	ug/L	0.075268	0.2	272.470
Sb 217.582	2.40732	ug/L	1.50734	62.6	8.49841
Se 196.026	0.953918uv	ug/L	4.72787	495.6	2.66096
Si 251.611	2250.05	ug/L	14.0793	0.6	12416.9
Si 288.158	2298.78	ug/L	0.895450	0.0	28845.7
Sn 283.998	100.227	ug/L	0.759156	0.8	486.627
Sr 421.552	168.247	ug/L	0.311949	0.2	420877
Ti 336.122	9363.04	ug/L	34.0357	0.4	2359757
Tl 190.794	2.76950	ug/L	3.20618	115.8	3.95198
V 292.401	444.704	ug/L	0.583436	0.1	18305.3
Zn 202.548	504.248	ug/L	9.19625	1.8	12240.5
Zr 339.198	38.2859	ug/L	0.565483	1.5	2351.46

360-24417-A-2-F MS (Samp) **9/17/2009, 3:30:46 PM** **Rack 1, Tube 58**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	840.416	ug/L	4.58661	0.5	7501.76
Al 237.312	162258	ug/L	215.745	0.1	646058
As 188.980	913.579	ug/L	3.98287	0.4	1018.42
B 249.678	851.139	ug/L	9.66139	1.1	25129.4
Ba 493.408	1509.70	ug/L	9.48612	0.6	3867399
Be 313.042	848.913	ug/L	1.53605	0.2	3000818
Ca 373.690	84574.2	ug/L	262.596	0.3	411810
Cd 214.439	820.767	ug/L	2.24998	0.3	33226.2
Co 228.615	1007.13	ug/L	2.74733	0.3	9512.48
Cr 267.716	1164.46	ug/L	2.68005	0.2	57130.5
Cu 327.395	1269.25	ug/L	10.2642	0.8	87757.2
Fe 273.955	315535	ug/L	20.8155	0.0	4055023
K 404.721	60109.7	ug/L	268.540	0.4	979.211
Li 610.365	4534.01	ug/L	15.5709	0.3	356083
Mg 279.078	131364	ug/L	743.390	0.6	565493

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	5787.06	ug/L	11.5958	0.2	1785584
Mo 202.032	858.314	ug/L	3.20369	0.4	7955.46
Na 330.237	19020.3	ug/L	76.1645	0.4	2748.17
Ni 216.555	1088.33	ug/L	4.69442	0.4	9392.45
Pb 220.353	855.837	ug/L	3.38280	0.4	4563.50
Sb 217.582	383.168	ug/L	3.27374	0.9	749.398
Se 196.026	807.981	ug/L	5.08721	0.6	456.779
Si 251.611	3004.11	ug/L	28.7124	1.0	16560.6
Si 288.158	3026.24	ug/L	39.7760	1.3	37850.1
Sn 283.998	872.190	ug/L	2.24695	0.3	4139.73
Sr 421.552	1011.24	ug/L	1.51339	0.1	2529483
Ti 336.122	11040.1	ug/L	31.7922	0.3	2782428
Tl 190.794	767.833	ug/L	0.870289	0.1	626.791
V 292.401	1303.54	ug/L	3.70730	0.3	53630.5
Zn 202.548	1274.05	ug/L	4.41959	0.3	30859.6
Zr 339.198	832.629	ug/L	2.88790	0.3	51103.5

360-24417-A-2-Dsd@5 (Samp) **9/17/2009, 3:33:39 PM** **Rack 1, Tube 59**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.208633uv	ug/L	0.068867	33.0	2.11340
Al 237.312	30662.2	ug/L	34.9880	0.1	129495
As 188.980	12.4536	ug/L	0.263481	2.1	16.0683
B 249.678	27.7101	ug/L	2.07274	7.5	833.751
Ba 493.408	126.292	ug/L	0.155025	0.1	323705
Be 313.042	0.932501	ug/L	0.001912	0.2	3471.18
Ca 373.690	10470.0	ug/L	7.38457	0.1	55803.5
Cd 214.439	0.891066	ug/L	0.044560	5.0	40.5216
Co 228.615	40.4823	ug/L	0.079112	0.2	396.926
Cr 267.716	62.4960	ug/L	0.062731	0.1	3097.89
Cu 327.395	60.6247	ug/L	0.311579	0.5	4260.17
Fe 273.955	66194.0	ug/L	32.1623	0.0	888931
K 404.721	5632.50	ug/L	14.2364	0.3	91.7712
Li 610.365	37.4854	ug/L	0.086403	0.2	2971.69
Mg 279.078	24550.0	ug/L	17.1418	0.1	114524
Mn 257.610	1370.92	ug/L	1.48586	0.1	423027
Mo 202.032	5.42850	ug/L	1.00573	18.5	58.6064
Na 330.237	97.3538	ug/L	8.65282	8.9	29.0646
Ni 216.555	62.5602	ug/L	0.192351	0.3	542.572
Pb 220.353	9.00775	ug/L	0.557324	6.2	53.4894
Sb 217.582	2.84441	ug/L	0.067626	2.4	9.34891
Se 196.026	-0.023293uv	ug/L	0.033479	143.7	2.11108
Si 251.611	449.413	ug/L	4.05669	0.9	2522.10
Si 288.158	450.948	ug/L	8.29029	1.8	5973.60
Sn 283.998	17.8561	ug/L	1.18211	6.6	96.8301
Sr 421.552	35.0886	ug/L	0.032202	0.1	87806.0
Ti 336.122	1710.48	ug/L	2.21152	0.1	431108
Tl 190.794	3.05832	ug/L	1.41259	46.2	4.18711
V 292.401	79.4486	ug/L	0.179873	0.2	3281.91
Zn 202.548	109.943	ug/L	0.438899	0.4	2703.57
Zr 339.198	12.2016	ug/L	0.589315	4.8	750.561

360-24417-A-2-Dpds (Samp) **9/17/2009, 3:36:32 PM** **Rack 1, Tube 60**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	869.789	ug/L	3.89418	0.4	7763.81
Al 237.312	147162	ug/L	596.942	0.4	586797
As 188.980	930.151	ug/L	4.93132	0.5	1036.85
B 249.678	893.334	ug/L	12.8919	1.4	26374.4
Ba 493.408	1412.55	ug/L	5.69199	0.4	3618528
Be 313.042	864.808	ug/L	3.09424	0.4	3057000
Ca 373.690	69589.1	ug/L	406.951	0.6	345296
Cd 214.439	842.991	ug/L	3.41344	0.4	34125.7
Co 228.615	1018.32	ug/L	4.91078	0.5	9617.97
Cr 267.716	1145.28	ug/L	5.35216	0.5	56190.0
Cu 327.395	1180.27	ug/L	0.810687	0.1	81610.4
Fe 273.955	290807	ug/L	1724.83	0.6	3741030
K 404.721	48538.4	ug/L	91.0870	0.2	764.923
Li 610.365	4659.42	ug/L	19.2300	0.4	365931
Mg 279.078	133176	ug/L	244.438	0.2	572793
Mn 257.610	6479.78	ug/L	26.4910	0.4	1999315
Mo 202.032	905.009	ug/L	5.04772	0.6	8387.81
Na 330.237	18575.8	ug/L	38.4558	0.2	2682.26
Ni 216.555	1105.72	ug/L	7.38664	0.7	9542.50
Pb 220.353	869.587	ug/L	1.91468	0.2	4636.73
Sb 217.582	855.063	ug/L	6.37207	0.7	1667.63
Se 196.026	842.152	ug/L	10.1665	1.2	476.007
Si 251.611	2855.22	ug/L	8.37600	0.3	15742.4
Si 288.158	2861.19	ug/L	3.42384	0.1	35807.1
Sn 283.998	907.606	ug/L	2.06405	0.2	4307.33
Sr 421.552	1017.87	ug/L	5.02700	0.5	2546046
Ti 336.122	8398.89	ug/L	35.5121	0.4	2116767
Tl 190.794	796.398	ug/L	3.00697	0.4	650.045
V 292.401	1227.55	ug/L	5.26549	0.4	50504.8
Zn 202.548	1283.21	ug/L	8.49547	0.7	31081.2
Zr 339.198	921.564	ug/L	1.09329	0.1	56561.8

CCV (CCV) **9/17/2009, 3:39:26 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	968.618	ug/L	0.033793	0.0	8645.53	96.86183
Al 237.312	4847.13	ug/L	7.92698	0.2	22231.5	96.94262
As 188.980	961.751	ug/L	0.412076	0.0	1072.00	96.17506
B 249.678	986.477	ug/L	6.00285	0.6	29122.7	98.64773
Ba 493.408	974.994	ug/L	2.63465	0.3	2497709	97.49939
Be 313.042	967.608	ug/L	0.139531	0.0	3420366	96.76079
Ca 373.690	19435.5	ug/L	4.19983	0.0	102485	97.17742
Cd 214.439	972.714	ug/L	0.613237	0.1	39376.4	97.27141
Co 228.615	972.025	ug/L	0.645779	0.1	9181.39	97.20245
Cr 267.716	971.107	ug/L	0.920309	0.1	47649.8	97.11067
Cu 327.395	965.307	ug/L	0.270603	0.0	66759.6	96.53072
Fe 273.955	4862.92	ug/L	4.57272	0.1	78767.6	97.25848
K 404.721	19623.3	ug/L	6.11123	0.0	290.259	98.11631
Li 610.365	4848.00	ug/L	5.51081	0.1	380740	96.95996
Mg 279.078	19393.6	ug/L	3.64878	0.0	90834.5	96.96797

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	970.010	ug/L	0.526057	0.1	299330	97.00101
Mo 202.032	980.256	ug/L	0.228049	0.0	9084.52	98.02559
Na 330.237	19491.3	ug/L	5.90407	0.0	2818.13	97.45654
Ni 216.555	976.127	ug/L	2.73710	0.3	8424.46	97.61272
Pb 220.353	969.126	ug/L	0.803264	0.1	5166.85	96.91255
Sb 217.582	964.336	ug/L	1.92620	0.2	1880.26	96.43359
Se 196.026	956.703	ug/L	1.54831	0.2	540.465	95.67027
Si 251.611	963.690	ug/L	6.56801	0.7	5348.14	96.36903
Si 288.158	953.586	ug/L	6.03440	0.6	12195.2	95.35857
Sn 283.998	966.742	ug/L	0.345138	0.0	4587.17	96.67419
Sr 421.552	970.543	ug/L	2.06280	0.2	2427675	97.05432
Ti 336.122	976.035	ug/L	2.12706	0.2	246008	97.60354
Tl 190.794	978.555	ug/L	2.28545	0.2	798.339	97.85549
V 292.401	971.015	ug/L	1.05863	0.1	39953.1	97.10148
Zn 202.548	971.962	ug/L	0.953066	0.1	23553.0	97.19623
Zr 339.198	1006.50	ug/L	6.55917	0.7	61774.4	100.64956

CCB (CCB) **9/17/2009, 3:42:19 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	0.003749uv	ug/L	0.360514	9616.2	4.00818	0.00375
Al 237.312	0.100859uv	ug/L	0.510398	506.0	9.49500	0.10086
As 188.980	1.45410	ug/L	0.007037	0.5	3.83320	1.45410
B 249.678	39.3534	ug/L	4.60366	11.7	1177.29	39.35339
Ba 493.408	0.099229	ug/L	0.006254	6.3	454.761	0.09923
Be 313.042	0.105196	ug/L	0.004247	4.0	546.912	0.10520
Ca 373.690	2.80739	ug/L	0.019435	0.7	45.1100	2.80739
Cd 214.439	0.039028uv	ug/L	0.070419	180.4	6.03418	0.03903
Co 228.615	0.352607	ug/L	0.000281	0.1	18.5018	0.35261
Cr 267.716	-0.096071uv	ug/L	0.000944	1.0	28.8085	-0.09607
Cu 327.395	0.203380	ug/L	0.029804	14.7	86.0031	0.20338
Fe 273.955	5.13356	ug/L	1.37803	26.8	111.826	5.13356
K 404.721	-242.687uv	ug/L	219.131	90.3	14.4794	-242.68706
Li 610.365	-0.254506uv	ug/L	0.006366	2.5	7.98242	-0.25451
Mg 279.078	2.43847	ug/L	0.034957	1.4	24.4821	2.43847
Mn 257.610	0.165060	ug/L	0.010341	6.3	93.8094	0.16506
Mo 202.032	12.4446	ug/L	2.38739	19.2	123.568	12.44459
Na 330.237	39.9901uv	ug/L	58.6505	146.7	21.0923	39.99010
Ni 216.555	0.385570	ug/L	0.004697	1.2	6.15485	0.38557
Pb 220.353	0.564211	ug/L	0.715330	126.8	8.52118	0.56421
Sb 217.582	1.41564	ug/L	0.243291	17.2	6.56876	1.41564
Se 196.026	6.00341	ug/L	1.66933	27.8	5.50234	6.00341
Si 251.611	0.352399uv	ug/L	0.848093	240.7	54.4331	0.35240
Si 288.158	-0.678340uv	ug/L	0.928147	136.8	383.465	-0.67834
Sn 283.998	0.439788uv	ug/L	0.684007	155.5	14.4120	0.43979
Sr 421.552	0.102872	ug/L	0.003758	3.7	295.466	0.10287
Ti 336.122	0.897313	ug/L	0.280198	31.2	247.659	0.89731
Tl 190.794	3.02757	ug/L	2.04876	67.7	4.16208	3.02757
V 292.401	0.438220	ug/L	0.160448	36.6	32.1201	0.43822
Zn 202.548	0.120699	ug/L	0.073311	60.7	47.3317	0.12070
Zr 339.198	0.421062	ug/L	0.002236	0.5	27.5441	0.42106

360-24417-A-5-C (Samp) **9/17/2009, 3:45:13 PM** **Rack 2, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	5.60627	ug/L	0.154647	2.8	53.9912
Al 237.312	141889	ug/L	699.284	0.5	566101
As 188.980	46.9894	ug/L	3.16601	6.7	54.4836
B 249.678	28.7817	ug/L	0.448471	1.6	865.369
Ba 493.408	912.982	ug/L	1.90574	0.2	2338861
Be 313.042	3.27432	ug/L	0.013836	0.4	11748.8
Ca 373.690	54422.0	ug/L	285.539	0.5	275148
Cd 214.439	3.24752	ug/L	0.020242	0.6	135.903
Co 228.615	160.302	ug/L	1.01174	0.6	1526.83
Cr 267.716	780.413	ug/L	3.68728	0.5	38299.5
Cu 327.395	746.656	ug/L	7.75508	1.0	51654.2
Fe 273.955	218433	ug/L	1072.57	0.5	2822035
K 404.721	55282.7	ug/L	419.513	0.8	888.132
Li 610.365	150.803	ug/L	0.473642	0.3	11870.5
Mg 279.078	105819	ug/L	567.796	0.5	462573
Mn 257.610	3395.83	ug/L	17.4671	0.5	1047795
Mo 202.032	27.4162	ug/L	1.96233	7.2	262.190
Na 330.237	6731.20	ug/L	19.8560	0.3	962.083
Ni 216.555	345.109	ug/L	0.642930	0.2	2980.29
Pb 220.353	109.194	ug/L	1.12116	1.0	587.057
Sb 217.582	0.444471uv	ug/L	1.15402	259.6	4.67902
Se 196.026	0.998607uv	ug/L	2.25427	225.7	2.68611
Si 251.611	4338.53	ug/L	1.86651	0.0	23893.4
Si 288.158	4383.60	ug/L	25.5370	0.6	54651.2
Sn 283.998	281.161	ug/L	0.475627	0.2	1342.85
Sr 421.552	249.040	ug/L	1.00323	0.4	622966
Ti 336.122	11773.0	ug/L	42.6094	0.4	2967134
Tl 190.794	1.93844	ug/L	0.559665	28.9	3.27542
V 292.401	349.795	ug/L	1.42541	0.4	14401.6
Zn 202.548	409.871	ug/L	7.82230	1.9	9957.86
Zr 339.198	47.6071	ug/L	1.36119	2.9	2923.54

360-24417-A-8-E (Samp) **9/17/2009, 3:48:07 PM** **Rack 2, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.417472	ug/L	0.287157	68.8	7.69922
Al 237.312	83701.6	ug/L	35.6592	0.0	337694
As 188.980	116.810	ug/L	1.48667	1.3	132.147
B 249.678	20.4341	ug/L	0.222813	1.1	619.069
Ba 493.408	235.732	ug/L	0.054164	0.0	604044
Be 313.042	2.95152	ug/L	0.003788	0.1	10607.8
Ca 373.690	14918.2	ug/L	27.4177	0.2	79088.6
Cd 214.439	1.59132	ug/L	0.011233	0.7	68.8654
Co 228.615	44.9106	ug/L	0.440507	1.0	438.684
Cr 267.716	163.809	ug/L	0.279245	0.2	8065.59
Cu 327.395	109.595	ug/L	0.971166	0.9	7643.28
Fe 273.955	136865	ug/L	209.635	0.2	1786301
K 404.721	15479.2	ug/L	2.19314	0.0	229.347
Li 610.365	170.332	ug/L	0.314463	0.2	13404.1
Mg 279.078	29872.7	ug/L	39.0718	0.1	138775

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1089.24	ug/L	2.50258	0.2	336116
Mo 202.032	5.62908	ug/L	0.867343	15.4	60.4636
Na 330.237	831.783	ug/L	20.2977	2.4	131.284
Ni 216.555	115.063	ug/L	0.772875	0.7	995.541
Pb 220.353	50.5934	ug/L	1.30554	2.6	274.964
Sb 217.582	-0.501700uv	ug/L	0.259260	51.7	2.83792
Se 196.026	-0.461801uv	ug/L	0.837582	181.4	1.86433
Si 251.611	3601.91	ug/L	47.1528	1.3	19845.6
Si 288.158	3633.59	ug/L	56.3484	1.6	45367.7
Sn 283.998	51.5291	ug/L	0.272836	0.5	256.178
Sr 421.552	39.3925	ug/L	0.007944	0.0	98571.3
Ti 336.122	3678.43	ug/L	34.2153	0.9	927084
Tl 190.794	0.245198uv	ug/L	0.528691	215.6	1.89695
V 292.401	165.143	ug/L	0.455763	0.3	6806.65
Zn 202.548	188.938	ug/L	0.335351	0.2	4614.20
Zr 339.198	38.2901	ug/L	1.69133	4.4	2351.72

360-24417-A-12-E (Samp) **9/17/2009, 3:51:01 PM** **Rack 2, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.796291	ug/L	0.079452	10.0	11.0789
Al 237.312	82163.7	ug/L	112.491	0.1	331657
As 188.980	53.8017	ug/L	2.44188	4.5	62.0612
B 249.678	14.4331	ug/L	0.623400	4.3	442.007
Ba 493.408	583.094	ug/L	1.08220	0.2	1493832
Be 313.042	2.13984	ug/L	0.000696	0.0	7738.73
Ca 373.690	45436.3	ug/L	120.766	0.3	232247
Cd 214.439	2.06787	ug/L	0.022778	1.1	88.1543
Co 228.615	99.8111	ug/L	0.640573	0.6	956.398
Cr 267.716	327.174	ug/L	0.827303	0.3	16075.8
Cu 327.395	191.086	ug/L	0.522184	0.3	13273.0
Fe 273.955	168754	ug/L	728.629	0.4	2191216
K 404.721	28332.2	ug/L	195.851	0.7	424.083
Li 610.365	85.0260	ug/L	0.000566	0.0	6705.04
Mg 279.078	53617.5	ug/L	90.2390	0.2	244462
Mn 257.610	1475.98	ug/L	2.32296	0.2	455442
Mo 202.032	4.43173	ug/L	0.559072	12.6	49.3773
Na 330.237	2695.17	ug/L	17.5157	0.6	391.833
Ni 216.555	209.615	ug/L	0.324033	0.2	1811.30
Pb 220.353	22.1468	ug/L	1.01625	4.6	123.465
Sb 217.582	-1.38576uv	ug/L	0.243579	17.6	1.11768
Se 196.026	-0.308048uv	ug/L	1.98176	643.3	1.95085
Si 251.611	2098.64	ug/L	28.4481	1.4	11584.9
Si 288.158	2121.46	ug/L	27.0600	1.3	26650.8
Sn 283.998	110.074	ug/L	0.570915	0.5	533.226
Sr 421.552	84.9925	ug/L	0.111440	0.1	212631
Ti 336.122	6551.19	ug/L	12.0633	0.2	1651096
Tl 190.794	0.711902	ug/L	0.201942	28.4	2.27689
V 292.401	254.118	ug/L	0.522756	0.2	10466.3
Zn 202.548	262.162	ug/L	2.89234	1.1	6385.26
Zr 339.198	31.1798	ug/L	1.74356	5.6	1915.33

360-24417-A-16-C (Samp) **9/17/2009, 3:53:55 PM** **Rack 2, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.009509uv	ug/L	0.104027	1093.9	3.88989
Al 237.312	129252	ug/L	825.531	0.6	516497
As 188.980	59.6844	ug/L	2.15182	3.6	68.6047
B 249.678	14.1236	ug/L	0.191376	1.4	432.875
Ba 493.408	717.351	ug/L	2.12456	0.3	1837741
Be 313.042	3.29224	ug/L	0.003149	0.1	11812.1
Ca 373.690	54295.2	ug/L	170.938	0.3	274549
Cd 214.439	3.30407	ug/L	0.197333	6.0	138.191
Co 228.615	158.674	ug/L	0.395805	0.2	1511.47
Cr 267.716	353.592	ug/L	1.04404	0.3	17371.2
Cu 327.395	261.977	ug/L	1.08843	0.4	18170.5
Fe 273.955	266651	ug/L	342.571	0.1	3434297
K 404.721	41758.1	ug/L	374.946	0.9	645.826
Li 610.365	135.115	ug/L	0.229398	0.2	10638.5
Mg 279.078	86400.6	ug/L	234.445	0.3	383666
Mn 257.610	2477.74	ug/L	6.63327	0.3	764525
Mo 202.032	9.88959	ug/L	0.843424	8.5	99.9115
Na 330.237	2801.43	ug/L	17.8120	0.6	406.744
Ni 216.555	253.906	ug/L	1.83435	0.7	2193.43
Pb 220.353	21.0931	ug/L	1.40458	6.7	117.853
Sb 217.582	-0.477532uv	ug/L	0.362463	75.9	2.88495
Se 196.026	1.58989uv	ug/L	2.33761	147.0	3.01883
Si 251.611	2832.36	ug/L	7.81667	0.3	15616.8
Si 288.158	2852.35	ug/L	11.8430	0.4	35697.7
Sn 283.998	114.696	ug/L	0.674555	0.6	555.100
Sr 421.552	146.771	ug/L	0.415442	0.3	367160
Ti 336.122	10734.4	ug/L	26.4109	0.2	2705381
Tl 190.794	-0.585095uv	ug/L	0.449343	76.8	1.22101
V 292.401	422.044	ug/L	1.24883	0.3	17373.3
Zn 202.548	380.910	ug/L	6.64628	1.7	9257.39
Zr 339.198	36.2538	ug/L	1.28098	3.5	2226.74

360-24631-A-1-A (Samp) **9/17/2009, 3:56:49 PM** **Rack 2, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.722911	ug/L	0.363533	50.3	10.4242
Al 237.312	162161	ug/L	340.803	0.2	645677
As 188.980	26.8869	ug/L	3.92149	14.6	32.1229
B 249.678	25.8711	ug/L	0.226231	0.9	779.492
Ba 493.408	699.943	ug/L	1.00667	0.1	1793149
Be 313.042	3.94197	ug/L	0.009639	0.2	14108.7
Ca 373.690	24281.0	ug/L	46.0503	0.2	127301
Cd 214.439	2.89013	ug/L	0.026523	0.9	121.437
Co 228.615	67.1628	ug/L	0.206723	0.3	648.523
Cr 267.716	245.950	ug/L	0.479748	0.2	12093.2
Cu 327.395	203.507	ug/L	0.539685	0.3	14131.1
Fe 273.955	166629	ug/L	146.161	0.1	2164243
K 404.721	18124.3	ug/L	179.908	1.0	268.021
Li 610.365	68.2479	ug/L	0.228944	0.3	5387.46
Mg 279.078	35176.0	ug/L	73.0834	0.2	162734

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1922.75	ug/L	2.56205	0.1	593289
Mo 202.032	5.77541	ug/L	0.522572	9.0	61.8184
Na 330.237	414.264	ug/L	38.1562	9.2	73.1400
Ni 216.555	150.177	ug/L	0.400057	0.3	1298.50
Pb 220.353	133.798	ug/L	0.395903	0.3	718.094
Sb 217.582	0.750440uv	ug/L	1.47467	196.5	5.27438
Se 196.026	2.28606	ug/L	1.30521	57.1	3.41057
Si 251.611	3068.17	ug/L	39.5137	1.3	16912.6
Si 288.158	3088.13	ug/L	43.5320	1.4	38616.1
Sn 283.998	80.9215	ug/L	0.092737	0.1	395.270
Sr 421.552	135.035	ug/L	0.154216	0.1	337804
Ti 336.122	7031.71	ug/L	8.96969	0.1	1772200
Tl 190.794	-0.725837uv	ug/L	0.135529	18.7	1.10643
V 292.401	321.148	ug/L	0.691807	0.2	13223.3
Zn 202.548	399.041	ug/L	1.51678	0.4	9695.92
Zr 339.198	87.5767	ug/L	13.6191	15.6	5376.63

360-24613-A-1-A (Samp) **9/17/2009, 3:59:43 PM** **Rack 2, Tube 6**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.48364	ug/L	0.006792	0.5	17.2111
Al 237.312	47914.8	ug/L	85.1373	0.2	197218
As 188.980	49.7912	ug/L	1.36598	2.7	57.6002
B 249.678	13.7636	ug/L	0.197971	1.4	422.254
Ba 493.408	258.515	ug/L	0.385836	0.1	662403
Be 313.042	2.55371	ug/L	0.003314	0.1	9201.64
Ca 373.690	17426.1	ug/L	12.4973	0.1	92109.2
Cd 214.439	2.86586	ug/L	0.017911	0.6	120.454
Co 228.615	32.7063	ug/L	0.477539	1.5	323.598
Cr 267.716	163.944	ug/L	0.008459	0.0	8072.18
Cu 327.395	144.761	ug/L	0.920428	0.6	10072.7
Fe 273.955	89981.6	ug/L	40.5316	0.0	1190982
K 404.721	12096.7	ug/L	491.251	4.1	180.959
Li 610.365	76.0407	ug/L	0.279202	0.4	5999.43
Mg 279.078	19364.3	ug/L	11.1963	0.1	90699.6
Mn 257.610	1185.98	ug/L	0.500464	0.0	365965
Mo 202.032	9.06727	ug/L	0.006414	0.1	92.2977
Na 330.237	17.6874	ug/L	1.04231	5.9	17.9926
Ni 216.555	109.601	ug/L	0.720513	0.7	948.418
Pb 220.353	149.493	ug/L	0.291136	0.2	801.680
Sb 217.582	0.272987uv	ug/L	1.00248	367.2	4.34534
Se 196.026	0.750704uv	ug/L	4.42694	589.7	2.54662
Si 251.611	2053.19	ug/L	13.4364	0.7	11335.1
Si 288.158	2074.08	ug/L	27.6839	1.3	26064.5
Sn 283.998	55.2136	ug/L	1.04794	1.9	273.614
Sr 421.552	79.8224	ug/L	0.052982	0.1	199699
Ti 336.122	2437.68	ug/L	0.304871	0.0	614382
Tl 190.794	-0.188809uv	ug/L	1.12935	598.1	1.54362
V 292.401	127.808	ug/L	0.015898	0.0	5271.01
Zn 202.548	1072.79	ug/L	16.1771	1.5	25991.8
Zr 339.198	38.7102	ug/L	4.48923	11.6	2377.50

360-24173-A-2-C (Samp) **9/17/2009, 4:02:37 PM** **Rack 2, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	22.8712	ug/L	5.05451	22.1	208.020
Al 237.312	-x	ug/L	876.569	0.4	803904
As 188.980	36.2873	ug/L	0.694186	1.9	42.5793
B 249.678	11.7104	ug/L	0.105820	0.9	361.673
Ba 493.408	1250.75	ug/L	6.66944	0.5	3204073
Be 313.042	3.57714	ug/L	0.018800	0.5	12819.1
Ca 373.690	48749.8	ug/L	215.096	0.4	248183
Cd 214.439	3.96132	ug/L	0.093705	2.4	164.794
Co 228.615	197.331	ug/L	1.16524	0.6	1876.01
Cr 267.716	491.218	ug/L	2.72782	0.6	24119.4
Cu 327.395	447.270	ug/L	6.08958	1.4	30971.3
Fe 273.955	330610	ug/L	797.418	0.2	4246444
K 404.721	70338.0	ug/L	510.791	0.7	1180.21
Li 610.365	143.937	ug/L	0.139337	0.1	11331.3
Mg 279.078	141538	ug/L	836.662	0.6	606485
Mn 257.610	2244.84	ug/L	12.0567	0.5	692665
Mo 202.032	12.7533	ug/L	0.225898	1.8	126.427
Na 330.237	3270.09	ug/L	69.1228	2.1	472.572
Ni 216.555	354.522	ug/L	2.10293	0.6	3061.50
Pb 220.353	14.8503	ug/L	0.577113	3.9	84.6052
Sb 217.582	0.261946uv	ug/L	0.822251	313.9	4.32385
Se 196.026	-0.690911uv	ug/L	1.15960	167.8	1.73541
Si 251.611	2627.19	ug/L	1.30925	0.0	14489.3
Si 288.158	2676.59	ug/L	10.5184	0.4	33522.2
Sn 283.998	163.750	ug/L	0.351600	0.2	787.232
Sr 421.552	106.369	ug/L	0.480682	0.5	266100
Ti 336.122	14966.6	ug/L	157.193	1.1	3772007
Tl 190.794	0.093837uv	ug/L	2.05886	2194.1	1.77373
V 292.401	482.495	ug/L	2.65601	0.6	19859.7
Zn 202.548	302.996	ug/L	1.18793	0.4	7372.90
Zr 339.198	18.4378	ug/L	0.674462	3.7	1133.30

360-24173-A-5-D (Samp) **9/17/2009, 4:05:30 PM** **Rack 2, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	28.8775	ug/L	1.36502	4.7	261.606
Al 237.312	-x	ug/L	32.2839	0.0	1043520
As 188.980	29.8383	ug/L	3.10535	10.4	35.4058
B 249.678	14.4932	ug/L	0.539476	3.7	443.780
Ba 493.408	456.619	ug/L	0.863470	0.2	1169860
Be 313.042	6.65194	ug/L	0.010520	0.2	23687.6
Ca 373.690	83515.3	ug/L	79.5606	0.1	407201
Cd 214.439	7.04173	ug/L	0.074321	1.1	289.478
Co 228.615	287.282	ug/L	0.576100	0.2	2724.25
Cr 267.716	526.795	ug/L	1.32229	0.3	25863.9
Cu 327.395	548.231	ug/L	0.755617	0.1	37946.1
Fe 273.955	443840	ug/L	1552.47	0.3	5684212
K 404.721	18320.1	ug/L	152.910	0.8	270.912
Li 610.365	226.996	ug/L	0.985878	0.4	17853.9
Mg 279.078	-x	ug/L	161.983	0.1	896949

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	5893.18	ug/L	10.3076	0.2	1818325
Mo 202.032	3.30300	ug/L	0.045503	1.4	38.9264
Na 330.237	3997.66	ug/L	0.899075	0.0	574.979
Ni 216.555	504.770	ug/L	0.212253	0.0	4357.78
Pb 220.353	19.8799	ug/L	0.564147	2.8	111.392
Sb 217.582	0.442306	ug/L	0.439604	99.4	4.67480
Se 196.026	1.42215	ug/L	0.088049	6.2	2.92444
Si 251.611	2227.38	ug/L	4.57082	0.2	12292.3
Si 288.158	2246.61	ug/L	2.11321	0.1	28199.9
Sn 283.998	171.209	ug/L	0.325835	0.2	822.529
Sr 421.552	287.053	ug/L	0.157463	0.1	718050
Ti 336.122	17541.1	ug/L	210.899	1.2	4420841
Tl 190.794	1.75752	ug/L	1.18605	67.5	3.12813
V 292.401	975.944	ug/L	1.92970	0.2	40155.9
Zn 202.548	513.273	ug/L	6.07210	1.2	12458.8
Zr 339.198	28.1029	ug/L	1.75564	6.2	1726.49

360-24173-A-10-C (Samp) **9/17/2009, 4:08:24 PM** **Rack 2, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.04177	ug/L	0.362410	34.8	13.2689
Al 237.312	93342.2	ug/L	161.242	0.2	375537
As 188.980	28.7423	ug/L	0.067667	0.2	34.1867
B 249.678	9.61778	ug/L	0.254508	2.6	299.929
Ba 493.408	625.094	ug/L	0.781123	0.1	1601418
Be 313.042	1.88448	ug/L	0.013128	0.7	6836.11
Ca 373.690	86631.8	ug/L	190.598	0.2	420726
Cd 214.439	2.58292	ug/L	0.019260	0.7	109.002
Co 228.615	164.502	ug/L	0.181654	0.1	1566.43
Cr 267.716	366.804	ug/L	0.715307	0.2	18019.0
Cu 327.395	908.617	ug/L	1.66880	0.2	62843.2
Fe 273.955	199683	ug/L	93.4154	0.0	2583954
K 404.721	9244.20	ug/L	3.94295	0.0	141.063
Li 610.365	38.2016	ug/L	0.204919	0.5	3027.94
Mg 279.078	32545.3	ug/L	75.1881	0.2	150875
Mn 257.610	1298.27	ug/L	3.24059	0.2	400613
Mo 202.032	2.78708	ug/L	0.326410	11.7	34.1495
Na 330.237	11215.3	ug/L	48.6309	0.4	1605.11
Ni 216.555	144.178	ug/L	0.624944	0.4	1246.74
Pb 220.353	49.3163	ug/L	0.222479	0.5	268.163
Sb 217.582	0.606481	ug/L	0.674533	111.2	4.99426
Se 196.026	-0.289310uv	ug/L	0.596405	206.1	1.96140
Si 251.611	2123.86	ug/L	3.41348	0.2	11723.5
Si 288.158	2133.43	ug/L	11.4491	0.5	26799.1
Sn 283.998	124.112	ug/L	1.67821	1.4	599.655
Sr 421.552	195.580	ug/L	0.335276	0.2	489247
Ti 336.122	14483.8	ug/L	15.8291	0.1	3650324
Tl 190.794	-1.35103uv	ug/L	0.162566	12.0	0.597458
V 292.401	612.787	ug/L	1.93082	0.3	25218.8
Zn 202.548	230.529	ug/L	1.08482	0.5	5620.16
Zr 339.198	78.1485	ug/L	7.12762	9.1	4797.99

360-24173-A-13-D (Samp) **9/17/2009, 4:11:17 PM** **Rack 2, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	25.0524	ug/L	0.939144	3.7	227.481
Al 237.312	161829	ug/L	823.393	0.5	644372
As 188.980	25.8408	ug/L	1.80324	7.0	30.9594
B 249.678	13.6454	ug/L	0.034181	0.3	418.765
Ba 493.408	2098.93	ug/L	6.84837	0.3	5376754
Be 313.042	2.64751	ug/L	0.003009	0.1	9533.21
Ca 373.690	209239	ug/L	472.193	0.2	931297
Cd 214.439	6.24847	ug/L	0.266367	4.3	257.370
Co 228.615	264.879	ug/L	2.10293	0.8	2512.99
Cr 267.716	186.044	ug/L	1.13742	0.6	9155.80
Cu 327.395	439.668	ug/L	2.19491	0.5	30446.1
Fe 273.955	418731	ug/L	2726.07	0.7	5365389
K 404.721	71753.3	ug/L	275.744	0.4	1208.88
Li 610.365	69.3666	ug/L	0.618308	0.9	5475.31
Mg 279.078	69912.7	ug/L	443.489	0.6	314627
Mn 257.610	2234.55	ug/L	16.4720	0.7	689491
Mo 202.032	15.7767	ug/L	0.214529	1.4	154.420
Na 330.237	5090.90	ug/L	1.14939	0.0	729.351
Ni 216.555	208.501	ug/L	2.06597	1.0	1801.69
Pb 220.353	0.801429	ug/L	0.397373	49.6	9.78455
Sb 217.582	0.583803	ug/L	0.354656	60.7	4.95013
Se 196.026	1.75327uv	ug/L	3.80189	216.8	3.11076
Si 251.611	3806.30	ug/L	2.00652	0.1	20968.8
Si 288.158	3818.26	ug/L	9.48069	0.2	47653.5
Sn 283.998	40.7679	ug/L	0.195022	0.5	205.254
Sr 421.552	309.669	ug/L	0.648260	0.2	774619
Ti 336.122	14841.4	ug/L	328.024	2.2	3740449
Tl 190.794	-0.087858uv	ug/L	0.098791	112.4	1.62581
V 292.401	949.254	ug/L	3.24603	0.3	39058.1
Zn 202.548	884.587	ug/L	4.18796	0.5	21439.7
Zr 339.198	71.3106	ug/L	0.268871	0.4	4378.32

CCV (CCV) **9/17/2009, 4:14:11 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	966.581	ug/L	1.57960	0.2	8627.35	96.65806
Al 237.312	4828.18	ug/L	7.21194	0.1	22146.0	96.56366
As 188.980	958.835	ug/L	2.15248	0.2	1068.76	95.88345
B 249.678	952.337	ug/L	16.0788	1.7	28115.3	95.23367
Ba 493.408	973.990	ug/L	1.19385	0.1	2495137	97.39901
Be 313.042	963.570	ug/L	0.554412	0.1	3406095	96.35703
Ca 373.690	19434.9	ug/L	9.14819	0.0	102482	97.17456
Cd 214.439	968.596	ug/L	0.329514	0.0	39209.7	96.85963
Co 228.615	969.116	ug/L	1.03632	0.1	9153.96	96.91158
Cr 267.716	968.188	ug/L	0.914137	0.1	47506.7	96.81885
Cu 327.395	955.873	ug/L	14.9276	1.6	66107.9	95.58731
Fe 273.955	4848.75	ug/L	0.448847	0.0	78543.4	96.97496
K 404.721	19805.0	ug/L	412.281	2.1	292.976	99.02515
Li 610.365	4844.51	ug/L	1.86202	0.0	380467	96.89029
Mg 279.078	19319.2	ug/L	5.50494	0.0	90491.5	96.59618

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	966.344	ug/L	1.28884	0.1	298199	96.63445
Mo 202.032	968.914	ug/L	0.134999	0.0	8979.51	96.89144
Na 330.237	19618.6	ug/L	9.58323	0.0	2837.05	98.09293
Ni 216.555	974.189	ug/L	6.70319	0.7	8407.73	97.41885
Pb 220.353	962.711	ug/L	0.846034	0.1	5132.69	96.27114
Sb 217.582	960.865	ug/L	0.157183	0.0	1873.50	96.08646
Se 196.026	943.623	ug/L	4.47302	0.5	533.105	94.36227
Si 251.611	963.275	ug/L	4.85553	0.5	5345.85	96.32745
Si 288.158	951.249	ug/L	5.10356	0.5	12166.2	95.12490
Sn 283.998	962.408	ug/L	0.190501	0.0	4566.66	96.24079
Sr 421.552	967.737	ug/L	1.17607	0.1	2420656	96.77370
Ti 336.122	975.090	ug/L	0.290585	0.0	245770	97.50899
Tl 190.794	977.700	ug/L	0.173238	0.0	797.643	97.77003
V 292.401	969.335	ug/L	1.14020	0.1	39884.0	96.93351
Zn 202.548	967.557	ug/L	1.18150	0.1	23446.5	96.75569
Zr 339.198	919.116	ug/L	4.38040	0.5	56411.5	91.91158

CCB (CCB) **9/17/2009, 4:17:05 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	0.505842	ug/L	0.305724	60.4	8.48761	0.50584
Al 237.312	0.452942	ug/L	0.101475	22.4	11.1341	0.45294
As 188.980	0.793573	ug/L	0.610172	76.9	3.09848	0.79357
B 249.678	25.5568	ug/L	3.94600	15.4	770.218	25.55680
Ba 493.408	0.111433	ug/L	0.001192	1.1	486.021	0.11143
Be 313.042	0.112689	ug/L	0.002067	1.8	573.399	0.11269
Ca 373.690	1.48729	ug/L	0.317174	21.3	37.9924	1.48729
Cd 214.439	0.098789	ug/L	0.086157	87.2	8.45311	0.09879
Co 228.615	0.420949	ug/L	0.084529	20.1	19.1463	0.42095
Cr 267.716	-0.094860uv	ug/L	0.092147	97.1	28.8679	-0.09486
Cu 327.395	0.233112	ug/L	0.239940	102.9	88.0570	0.23311
Fe 273.955	6.14588	ug/L	1.34292	21.9	128.598	6.14588
K 404.721	-366.974uv	ug/L	114.078	31.1	12.8792	-366.97446
Li 610.365	-0.243265uv	ug/L	0.034786	14.3	8.86523	-0.24326
Mg 279.078	2.69145	ug/L	0.181103	6.7	25.6846	2.69145
Mn 257.610	0.172596	ug/L	0.011562	6.7	96.1343	0.17260
Mo 202.032	10.9081	ug/L	2.29629	21.1	109.341	10.90805
Na 330.237	-25.3442uv	ug/L	17.5726	69.3	12.0132	-25.34420
Ni 216.555	0.348894	ug/L	0.321560	92.2	5.83842	0.34889
Pb 220.353	0.044191uv	ug/L	0.288873	653.7	5.75168	0.04419
Sb 217.582	1.08431	ug/L	0.922836	85.1	5.92404	1.08431
Se 196.026	3.59511	ug/L	2.56347	71.3	4.14717	3.59511
Si 251.611	0.584031	ug/L	0.640648	109.7	55.7060	0.58403
Si 288.158	-1.35585uv	ug/L	0.277978	20.5	375.078	-1.35585
Sn 283.998	1.20252	ug/L	0.891563	74.1	18.0214	1.20252
Sr 421.552	0.111338	ug/L	0.002828	2.5	316.643	0.11134
Ti 336.122	1.33080	ug/L	0.465072	34.9	356.909	1.33080
Tl 190.794	1.54003	ug/L	0.356444	23.1	2.95108	1.54003
V 292.401	0.443576	ug/L	0.067467	15.2	32.3404	0.44358
Zn 202.548	0.048900uv	ug/L	0.073872	151.1	45.5952	0.04890
Zr 339.198	0.464702	ug/L	0.017799	3.8	30.2224	0.46470

360-24173-A-16-C (Samp) **9/17/2009, 4:19:58 PM** **Rack 2, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	21.8668	ug/L	3.94895	18.1	199.060
Al 237.312	164846	ug/L	321.303	0.2	656215
As 188.980	28.4152	ug/L	0.079016	0.3	33.8229
B 249.678	21.6027	ug/L	0.371649	1.7	653.551
Ba 493.408	835.110	ug/L	3.21564	0.4	2139388
Be 313.042	4.23450	ug/L	0.020342	0.5	15142.7
Ca 373.690	115414	ug/L	93.0398	0.1	541432
Cd 214.439	6.25934	ug/L	0.013644	0.2	257.810
Co 228.615	317.633	ug/L	0.650893	0.2	3010.46
Cr 267.716	262.677	ug/L	1.10880	0.4	12913.4
Cu 327.395	331.877	ug/L	0.109665	0.0	22999.5
Fe 273.955	350190	ug/L	5752.42	1.6	4495059
K 404.721	34427.8	ug/L	163.759	0.5	522.436
Li 610.365	123.756	ug/L	0.486303	0.4	9746.53
Mg 279.078	79080.3	ug/L	410.647	0.5	353257
Mn 257.610	2376.99	ug/L	13.1882	0.6	733440
Mo 202.032	13.5666	ug/L	1.41939	10.5	133.957
Na 330.237	3913.52	ug/L	11.6548	0.3	563.122
Ni 216.555	245.497	ug/L	1.02357	0.4	2120.87
Pb 220.353	25.3632	ug/L	0.865313	3.4	140.595
Sb 217.582	-0.862970uv	ug/L	1.42816	165.5	2.13495
Se 196.026	-1.86022uv	ug/L	0.902085	48.5	1.07744
Si 251.611	4210.93	ug/L	37.0979	0.9	23192.3
Si 288.158	4225.44	ug/L	34.1127	0.8	52693.5
Sn 283.998	76.0777	ug/L	1.39067	1.8	372.348
Sr 421.552	160.977	ug/L	0.446883	0.3	402692
Ti 336.122	14717.2	ug/L	282.241	1.9	3709156
Tl 190.794	0.457754	ug/L	0.391638	85.6	2.06999
V 292.401	732.580	ug/L	2.75665	0.4	30146.0
Zn 202.548	848.688	ug/L	5.41003	0.6	20571.4
Zr 339.198	68.6591	ug/L	2.65673	3.9	4215.58

360-24194-A-2-H (Samp) **9/17/2009, 4:22:51 PM** **Rack 2, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	33.6337	ug/L	2.42797	7.2	304.038
Al 237.312	184027	ug/L	1030.57	0.6	731509
As 188.980	36.7325	ug/L	0.228551	0.6	43.0745
B 249.678	19.4634	ug/L	0.219572	1.1	590.431
Ba 493.408	958.981	ug/L	2.79062	0.3	2456691
Be 313.042	3.07581	ug/L	0.012971	0.4	11047.1
Ca 373.690	119286	ug/L	494.947	0.4	557517
Cd 214.439	5.01032	ug/L	0.072849	1.5	207.254
Co 228.615	252.312	ug/L	1.34234	0.5	2394.49
Cr 267.716	593.235	ug/L	2.64574	0.4	29121.6
Cu 327.395	728.263	ug/L	4.95510	0.7	50383.5
Fe 273.955	338563	ug/L	774.989	0.2	4347430
K 404.721	45159.4	ug/L	148.628	0.3	704.973
Li 610.365	127.098	ug/L	0.675272	0.5	10009.0
Mg 279.078	90958.1	ug/L	354.691	0.4	402401

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	2717.12	ug/L	14.2920	0.5	838383
Mo 202.032	7.83161	ug/L	0.481544	6.1	80.8568
Na 330.237	14096.7	ug/L	7.76160	0.1	2023.59
Ni 216.555	442.552	ug/L	1.59364	0.4	3820.99
Pb 220.353	17.8433	ug/L	0.255492	1.4	100.546
Sb 217.582	0.908232	ug/L	0.449452	49.5	5.58142
Se 196.026	0.029341uv	ug/L	3.48674	11883.7	2.14070
Si 251.611	5603.36	ug/L	157.478	2.8	30843.9
Si 288.158	5650.95	ug/L	119.975	2.1	70338.1
Sn 283.998	199.438	ug/L	0.733034	0.4	956.118
Sr 421.552	282.506	ug/L	0.705985	0.2	706675
Ti 336.122	16433.4	ug/L	16.1102	0.1	4141680
Tl 190.794	-0.464502uv	ug/L	0.686526	147.8	1.31918
V 292.401	833.126	ug/L	4.13638	0.5	34281.6
Zn 202.548	464.291	ug/L	2.34085	0.5	11274.1
Zr 339.198	47.4582	ug/L	0.317438	0.7	2914.40

360-24194-A-5-C (Samp) **9/17/2009, 4:25:44 PM** **Rack 2, Tube 13**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	49.8604	ug/L	4.54934	9.1	448.806
Al 237.312	129305	ug/L	636.181	0.5	516703
As 188.980	31.5547	ug/L	1.37755	4.4	37.3151
B 249.678	12.3331	ug/L	0.252214	2.0	380.045
Ba 493.408	1380.73	ug/L	2.01601	0.1	3537017
Be 313.042	2.30695	ug/L	0.013420	0.6	8329.43
Ca 373.690	59414.6	ug/L	204.895	0.3	298553
Cd 214.439	2.92343	ug/L	0.091775	3.1	122.784
Co 228.615	142.749	ug/L	0.907049	0.6	1361.30
Cr 267.716	1224.46	ug/L	4.51730	0.4	60072.5
Cu 327.395	218.665	ug/L	1.41622	0.6	15178.3
Fe 273.955	243937	ug/L	1275.68	0.5	3145887
K 404.721	58127.3	ug/L	347.203	0.6	941.513
Li 610.365	85.7517	ug/L	0.720680	0.8	6762.03
Mg 279.078	100135	ug/L	244.007	0.2	439671
Mn 257.610	2148.25	ug/L	10.5350	0.5	662863
Mo 202.032	8.58533	ug/L	0.593488	6.9	87.8354
Na 330.237	4670.09	ug/L	9.31910	0.2	669.861
Ni 216.555	563.852	ug/L	2.57565	0.5	4867.52
Pb 220.353	28.9238	ug/L	0.201977	0.7	159.557
Sb 217.582	-1.10879uv	ug/L	0.841148	75.9	1.65662
Se 196.026	-0.139001uv	ug/L	0.571746	411.3	2.04597
Si 251.611	3288.13	ug/L	58.3068	1.8	18121.3
Si 288.158	3307.48	ug/L	57.9910	1.8	41331.2
Sn 283.998	451.244	ug/L	2.47494	0.5	2147.72
Sr 421.552	161.067	ug/L	0.483730	0.3	402919
Ti 336.122	15054.4	ug/L	83.5387	0.6	3794130
Tl 190.794	-0.043887uv	ug/L	0.202114	460.5	1.66161
V 292.401	486.804	ug/L	2.21817	0.5	20036.9
Zn 202.548	233.150	ug/L	0.036544	0.0	5683.56
Zr 339.198	32.7372	ug/L	0.840218	2.6	2010.91

360-24194-A-8-C (Samp) **9/17/2009, 4:28:38 PM** **Rack 2, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	4.10205	ug/L	1.53842	37.5	40.5713
Al 237.312	129918	ug/L	209.944	0.2	519111
As 188.980	49.9766	ug/L	0.429399	0.9	57.8063
B 249.678	10.9399	ug/L	0.188129	1.7	338.939
Ba 493.408	443.053	ug/L	1.64843	0.4	1135109
Be 313.042	2.41820	ug/L	0.011092	0.5	8722.66
Ca 373.690	51616.4	ug/L	281.788	0.5	261860
Cd 214.439	3.10398	ug/L	0.002314	0.1	130.092
Co 228.615	123.870	ug/L	0.957959	0.8	1183.28
Cr 267.716	689.718	ug/L	3.66199	0.5	33852.5
Cu 327.395	595.302	ug/L	2.57090	0.4	41198.0
Fe 273.955	247135	ug/L	927.039	0.4	3186493
K 404.721	23660.6	ug/L	137.785	0.6	351.319
Li 610.365	158.362	ug/L	0.375597	0.2	12464.1
Mg 279.078	91372.5	ug/L	477.540	0.5	404098
Mn 257.610	2201.82	ug/L	9.22450	0.4	679393
Mo 202.032	3.42633	ug/L	0.051096	1.5	40.0684
Na 330.237	2850.62	ug/L	34.1883	1.2	413.648
Ni 216.555	306.567	ug/L	1.69744	0.6	2647.77
Pb 220.353	31.2572	ug/L	0.168216	0.5	171.985
Sb 217.582	1.25132	ug/L	1.11529	89.1	6.24902
Se 196.026	0.163515uv	ug/L	0.949791	580.9	2.21620
Si 251.611	2539.21	ug/L	13.8096	0.5	14005.9
Si 288.158	2550.69	ug/L	3.78482	0.1	31963.7
Sn 283.998	246.767	ug/L	1.27013	0.5	1180.09
Sr 421.552	110.290	ug/L	0.510267	0.5	275908
Ti 336.122	9701.67	ug/L	32.6181	0.3	2445101
Tl 190.794	1.05008uv	ug/L	2.01438	191.8	2.55220
V 292.401	431.946	ug/L	2.20526	0.5	17780.6
Zn 202.548	310.513	ug/L	4.67392	1.5	7554.71
Zr 339.198	28.3126	ug/L	0.873544	3.1	1739.36

360-24223-A-2-D (Samp) **9/17/2009, 4:31:31 PM** **Rack 2, Tube 15**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	27.5899	ug/L	0.768591	2.8	250.118
Al 237.312	-x	ug/L	133.334	0.0	1056423
As 188.980	32.6114	ug/L	0.716944	2.2	38.4904
B 249.678	13.0248	ug/L	0.637712	4.9	400.454
Ba 493.408	2851.64	ug/L	12.9149	0.5	7304864
Be 313.042	4.17899	ug/L	0.005699	0.1	14946.5
Ca 373.690	67994.2	ug/L	170.982	0.3	338054
Cd 214.439	6.33938	ug/L	0.112213	1.8	261.050
Co 228.615	362.238	ug/L	1.55364	0.4	3431.09
Cr 267.716	157.182	ug/L	0.129367	0.1	7740.61
Cu 327.395	376.874	ug/L	0.054919	0.0	26108.0
Fe 273.955	418984	ug/L	1230.94	0.3	5368596
K 404.721	-x	ug/L	300.310	0.2	2674.69
Li 610.365	139.412	ug/L	0.337552	0.2	10975.9
Mg 279.078	185347	ug/L	823.724	0.4	782989

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	4421.96	ug/L	3.11949	0.1	1364396
Mo 202.032	5.90985	ug/L	0.047964	0.8	63.0632
Na 330.237	6886.51	ug/L	32.7251	0.5	984.189
Ni 216.555	322.464	ug/L	0.194774	0.1	2784.91
Pb 220.353	-1.51778uv	ug/L	0.002950	0.2	-2.56702
Sb 217.582	1.29709	ug/L	0.515681	39.8	6.33807
Se 196.026	-1.38456uv	ug/L	2.29113	165.5	1.34509
Si 251.611	2888.67	ug/L	40.6914	1.4	15926.2
Si 288.158	2912.99	ug/L	73.9508	2.5	36448.2
Sn 283.998	32.6680	ug/L	0.417700	1.3	166.923
Sr 421.552	192.621	ug/L	0.381412	0.2	481843
Ti 336.122	-x	ug/L	30.4746	0.1	5698158
Tl 190.794	3.99200	ug/L	0.356013	8.9	4.94722
V 292.401	936.372	ug/L	0.910512	0.1	38528.2
Zn 202.548	289.652	ug/L	3.63145	1.3	7050.16
Zr 339.198	39.6975	ug/L	0.921307	2.3	2438.10

360-24223-A-5-E (Samp) **9/17/2009, 4:34:25 PM** **Rack 2, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	29.2063	ug/L	0.138180	0.5	264.539
Al 237.312	149603	ug/L	114.640	0.1	596381
As 188.980	30.1219	ug/L	0.500305	1.7	35.7214
B 249.678	9.44151	ug/L	0.226207	2.4	294.728
Ba 493.408	596.465	ug/L	0.379017	0.1	1528084
Be 313.042	3.61993	ug/L	0.005414	0.1	12970.4
Ca 373.690	43769.1	ug/L	140.706	0.3	224177
Cd 214.439	3.76038	ug/L	0.046617	1.2	156.661
Co 228.615	174.173	ug/L	0.595143	0.3	1657.63
Cr 267.716	2168.35	ug/L	7.47745	0.3	106354
Cu 327.395	234.573	ug/L	0.382707	0.2	16277.3
Fe 273.955	313426	ug/L	1661.72	0.5	4028235
K 404.721	30463.8	ug/L	60.8526	0.2	458.037
Li 610.365	136.799	ug/L	0.389472	0.3	10770.8
Mg 279.078	118001	ug/L	110.032	0.1	511655
Mn 257.610	2636.49	ug/L	1.41801	0.1	813506
Mo 202.032	2.64031	ug/L	0.092367	3.5	32.7906
Na 330.237	14173.0	ug/L	29.1454	0.2	2034.72
Ni 216.555	277.043	ug/L	0.960187	0.3	2393.04
Pb 220.353	28.7651	ug/L	0.322722	1.1	158.712
Sb 217.582	-0.270541uv	ug/L	2.12953	787.1	3.28772
Se 196.026	-0.996925uv	ug/L	2.89179	290.1	1.56322
Si 251.611	1929.14	ug/L	11.1180	0.6	10653.5
Si 288.158	1951.63	ug/L	29.0155	1.5	24548.8
Sn 283.998	837.704	ug/L	4.31243	0.5	3976.53
Sr 421.552	134.120	ug/L	0.090687	0.1	335514
Ti 336.122	10614.0	ug/L	26.9709	0.3	2675035
Tl 190.794	0.460716uv	ug/L	1.19776	260.0	2.07240
V 292.401	465.256	ug/L	0.711789	0.2	19150.6
Zn 202.548	264.631	ug/L	0.486977	0.2	6444.97
Zr 339.198	26.8306	ug/L	0.194754	0.7	1648.40

360-24223-A-8-C (Samp) **9/17/2009, 4:37:19 PM** **Rack 2, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	18.3574	ug/L	0.927553	5.1	167.751
Al 237.312	129024	ug/L	514.177	0.4	515602
As 188.980	40.7683	ug/L	0.628559	1.5	47.5637
B 249.678	7.80383	ug/L	0.559550	7.2	246.408
Ba 493.408	674.558	ug/L	1.18988	0.2	1728123
Be 313.042	3.19058	ug/L	0.017709	0.6	11452.8
Ca 373.690	33924.6	ug/L	61.3912	0.2	175827
Cd 214.439	2.81402	ug/L	0.006629	0.2	118.356
Co 228.615	115.370	ug/L	0.200055	0.2	1103.12
Cr 267.716	1402.51	ug/L	1.84511	0.1	68802.6
Cu 327.395	571.574	ug/L	2.19309	0.4	39558.8
Fe 273.955	212640	ug/L	182.356	0.1	2748475
K 404.721	22323.5	ug/L	238.665	1.1	330.910
Li 610.365	125.490	ug/L	0.227040	0.2	9882.68
Mg 279.078	70988.4	ug/L	114.441	0.2	319192
Mn 257.610	1816.63	ug/L	2.37561	0.1	560545
Mo 202.032	1.26969	ug/L	0.096651	7.6	20.1000
Na 330.237	2370.14	ug/L	1.26402	0.1	346.262
Ni 216.555	205.599	ug/L	0.296282	0.1	1776.65
Pb 220.353	24.8250	ug/L	0.588961	2.4	137.728
Sb 217.582	1.28147	ug/L	0.632524	49.4	6.30768
Se 196.026	0.834685uv	ug/L	1.43372	171.8	2.59387
Si 251.611	2841.38	ug/L	32.2233	1.1	15666.4
Si 288.158	2865.20	ug/L	33.5663	1.2	35856.8
Sn 283.998	534.010	ug/L	2.23185	0.4	2539.39
Sr 421.552	112.963	ug/L	0.029283	0.0	282596
Ti 336.122	8398.30	ug/L	12.6112	0.2	2116618
Tl 190.794	0.434307uv	ug/L	1.43746	331.0	2.05090
V 292.401	364.526	ug/L	0.097322	0.0	15007.5
Zn 202.548	280.423	ug/L	0.296261	0.1	6826.93
Zr 339.198	23.3500	ug/L	0.652435	2.8	1434.78

360-24223-A-14-D (Samp) **9/17/2009, 4:40:13 PM** **Rack 2, Tube 18**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	79.8159	ug/L	2.93843	3.7	716.054
Al 237.312	-x	ug/L	797.152	0.4	818416
As 188.980	40.6889	ug/L	0.126470	0.3	47.4753
B 249.678	9.64071	ug/L	0.406917	4.2	300.606
Ba 493.408	1366.34	ug/L	3.41435	0.2	3500165
Be 313.042	3.33231	ug/L	0.011351	0.3	11953.7
Ca 373.690	65145.5	ug/L	332.393	0.5	325039
Cd 214.439	4.40455	ug/L	0.072452	1.6	182.735
Co 228.615	206.836	ug/L	1.00349	0.5	1965.65
Cr 267.716	2919.71	ug/L	10.6156	0.4	143195
Cu 327.395	562.151	ug/L	5.01159	0.9	38907.8
Fe 273.955	337704	ug/L	8822.79	2.6	4336521
K 404.721	56388.8	ug/L	60.6372	0.1	908.785
Li 610.365	183.543	ug/L	0.432576	0.2	14441.6
Mg 279.078	137923	ug/L	764.482	0.6	591918

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	2652.93	ug/L	13.7173	0.5	818579
Mo 202.032	4.17256	ug/L	0.351332	8.4	46.9776
Na 330.237	3819.50	ug/L	36.3514	1.0	549.879
Ni 216.555	341.803	ug/L	1.78194	0.5	2951.76
Pb 220.353	40.2634	ug/L	0.421846	1.0	219.949
Sb 217.582	0.175028uv	ug/L	0.545846	311.9	4.15472
Se 196.026	-0.967015uv	ug/L	1.39092	143.8	1.58005
Si 251.611	3399.01	ug/L	8.68208	0.3	18730.6
Si 288.158	3426.36	ug/L	5.91598	0.2	42802.7
Sn 283.998	1116.24	ug/L	7.80459	0.7	5294.65
Sr 421.552	119.345	ug/L	0.183035	0.2	298557
Ti 336.122	15419.2	ug/L	164.125	1.1	3886075
Tl 190.794	2.58004	ug/L	0.140406	5.4	3.79774
V 292.401	656.947	ug/L	1.66617	0.3	27035.1
Zn 202.548	367.793	ug/L	0.209404	0.1	8940.13
Zr 339.198	26.9066	ug/L	0.466967	1.7	1653.07

CCV (CCV) **9/17/2009, 4:43:07 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	972.588	ug/L	0.647678	0.1	8680.94	97.25877
Al 237.312	4866.44	ug/L	11.5875	0.2	22318.7	97.32881
As 188.980	961.609	ug/L	0.503011	0.1	1071.84	96.16093
B 249.678	956.187	ug/L	12.3909	1.3	28228.9	95.61870
Ba 493.408	981.174	ug/L	1.59703	0.2	2513540	98.11742
Be 313.042	967.450	ug/L	2.68221	0.3	3419808	96.74498
Ca 373.690	19507.1	ug/L	9.53765	0.0	102854	97.53572
Cd 214.439	970.757	ug/L	0.791654	0.1	39297.2	97.07572
Co 228.615	973.357	ug/L	1.14180	0.1	9193.95	97.33571
Cr 267.716	972.451	ug/L	1.44201	0.1	47715.7	97.24515
Cu 327.395	962.267	ug/L	0.892645	0.1	66549.6	96.22668
Fe 273.955	4866.05	ug/L	1.52056	0.0	78816.9	97.32091
K 404.721	20214.9	ug/L	226.869	1.1	299.102	101.07455
Li 610.365	4862.48	ug/L	2.18623	0.0	381878	97.24966
Mg 279.078	19367.7	ug/L	10.8359	0.1	90714.9	96.83830
Mn 257.610	970.792	ug/L	0.705812	0.1	299571	97.07915
Mo 202.032	975.054	ug/L	0.571374	0.1	9036.35	97.50539
Na 330.237	19627.3	ug/L	61.0874	0.3	2838.34	98.13640
Ni 216.555	973.802	ug/L	2.69304	0.3	8404.39	97.38017
Pb 220.353	965.474	ug/L	2.87292	0.3	5147.40	96.54745
Sb 217.582	965.428	ug/L	3.12903	0.3	1882.38	96.54283
Se 196.026	955.967	ug/L	1.57269	0.2	540.051	95.59674
Si 251.611	969.968	ug/L	0.878143	0.1	5382.63	96.99675
Si 288.158	956.047	ug/L	4.40854	0.5	12225.6	95.60468
Sn 283.998	966.030	ug/L	2.02396	0.2	4583.80	96.60298
Sr 421.552	973.780	ug/L	0.690707	0.1	2435771	97.37798
Ti 336.122	980.705	ug/L	1.12203	0.1	247185	98.07050
Tl 190.794	978.999	ug/L	5.82547	0.6	798.701	97.89994
V 292.401	974.000	ug/L	1.30817	0.1	40075.9	97.40004
Zn 202.548	968.427	ug/L	0.073801	0.0	23467.5	96.84270
Zr 339.198	938.062	ug/L	3.94209	0.4	57574.3	93.80623

CCB (CCB) **9/17/2009, 4:46:00 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	-0.118170uv	ug/L	0.524343	443.7	2.92047	-0.11817
Al 237.312	0.340299uv	ug/L	1.58639	466.2	10.6097	0.34030
As 188.980	0.336773	ug/L	0.353147	104.9	2.59036	0.33677
B 249.678	25.2526	ug/L	3.81305	15.1	761.243	25.25261
Ba 493.408	0.114066	ug/L	0.001417	1.2	492.766	0.11407
Be 313.042	0.118548	ug/L	0.000920	0.8	594.108	0.11855
Ca 373.690	2.34555	ug/L	0.289255	12.3	42.6199	2.34555
Cd 214.439	0.018829uv	ug/L	0.028870	153.3	5.21660	0.01883
Co 228.615	0.319325	ug/L	0.049325	15.4	18.1880	0.31933
Cr 267.716	-0.057170uv	ug/L	0.052873	92.5	30.7159	-0.05717
Cu 327.395	0.220434	ug/L	0.020166	9.1	87.1812	0.22043
Fe 273.955	5.70354	ug/L	1.35773	23.8	121.269	5.70354
K 404.721	-707.923uv	ug/L	352.704	49.8	8.48938	-707.92334
Li 610.365	-0.293293uv	ug/L	0.079685	27.2	4.93652	-0.29329
Mg 279.078	3.48941	ug/L	0.181158	5.2	29.4775	3.48941
Mn 257.610	0.194666	ug/L	0.019588	10.1	102.944	0.19467
Mo 202.032	10.7577	ug/L	2.13623	19.9	107.950	10.75773
Na 330.237	-4.58383uv	ug/L	44.0523	961.0	14.8979	-4.58383
Ni 216.555	0.369587	ug/L	0.149588	40.5	6.01695	0.36959
Pb 220.353	-0.071226uv	ug/L	0.029295	41.1	5.13699	-0.07123
Sb 217.582	0.216432uv	ug/L	1.08470	501.2	4.23529	0.21643
Se 196.026	2.58951	ug/L	1.44577	55.8	3.58132	2.58951
Si 251.611	-0.505832uv	ug/L	0.615539	121.7	49.7170	-0.50583
Si 288.158	-2.49726uv	ug/L	0.312260	12.5	360.950	-2.49726
Sn 283.998	0.076819	ug/L	0.068984	89.8	12.6943	0.07682
Sr 421.552	0.117815	ug/L	0.002562	2.2	332.844	0.11782
Ti 336.122	1.33035	ug/L	0.447684	33.7	356.796	1.33035
Tl 190.794	2.10181	ug/L	0.447720	21.3	3.40842	2.10181
V 292.401	0.466441	ug/L	0.075074	16.1	33.2809	0.46644
Zn 202.548	0.083856	ug/L	0.030777	36.7	46.4407	0.08386
Zr 339.198	0.507514	ug/L	0.068259	13.4	32.8500	0.50751

Interf Check A (ICSA) **9/17/2009, 4:48:55 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	0.412875	ug/L	0.283713	68.7	7.65820	0.41287
Al 237.312	111559	ug/L	112.463	0.1	4470451	559.20313K
As 188.980	0.568865uv	ug/L	0.959521	168.7	2.84853	0.56886
B 249.678	10.8143	ug/L	0.037153	0.3	335.233	10.81428
Ba 493.408	0.390709	ug/L	0.005638	1.4	1201.41	0.39071
Be 313.042	0.012443	ug/L	0.003764	30.2	219.061	0.01244
Ca 373.690	106108	ug/L	122.258	0.1	5027626	108.46875K
Cd 214.439	0.352154	ug/L	0.035544	10.1	18.7084	0.35215
Co 228.615	2.08411	ug/L	0.080051	3.8	34.8299	2.08411
Cr 267.716	0.152646	ug/L	0.041158	27.0	41.0038	0.15265
Cu 327.395	0.455420	ug/L	0.043451	9.5	103.415	0.45542
Fe 273.955	42386.9	ug/L	82.5906	0.2	5866322	386.89063K
K 404.721	1844.61	ug/L	208.189	11.3	41.5315	1844.60828
Li 610.365	1.35004	ug/L	0.020523	1.5	133.987	1.35004
Mg 279.078	106665	ug/L	172.893	0.2	4659806	664.84375K

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	3.17538	ug/L	0.004413	0.1	1022.61	3.17538
Mo 202.032	2.26504	ug/L	1.19157	52.6	29.3159	2.26504
Na 330.237	194.691	ug/L	19.4413	10.0	42.5968	194.69110
Ni 216.555	5.67694	ug/L	0.333753	5.9	51.8067	5.67694
Pb 220.353	-1.34125uv	ug/L	0.063468	4.7	-1.62683	-1.34125
Sb 217.582	0.074167uv	ug/L	0.720068	970.9	3.95847	0.07417
Se 196.026	1.20741uv	ug/L	1.96934	163.1	2.80360	1.20741
Si 251.611	2.45355	ug/L	1.35248	55.1	65.9793	2.45355
Si 288.158	0.608626uv	ug/L	1.53023	251.4	399.394	0.60863
Sn 283.998	0.545627	ug/L	0.624034	114.4	14.9128	0.54563
Sr 421.552	0.588416	ug/L	0.001361	0.2	1509.97	0.58842
Ti 336.122	2.23531	ug/L	0.261279	11.7	584.869	2.23531
Tl 190.794	0.770437	ug/L	0.510508	66.3	2.32455	0.77044
V 292.401	2.56793	ug/L	0.114985	4.5	119.718	2.56793
Zn 202.548	0.115449uv	ug/L	1.74163	1508.6	47.2048	0.11545
Zr 339.198	0.980888	ug/L	0.026170	2.7	61.9028	0.98089

Interf Check AB (ICSAB) **9/17/2009, 4:51:49 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	588.847	ug/L	1.25142	0.2	5257.39	98.14120
Al 237.312	108424	ug/L	49.1163	0.0	434739	108.42416
As 188.980	1884.43	ug/L	5.21802	0.3	2098.33	94.22161
B 249.678	8.22036	ug/L	0.373983	4.5	258.698	-
Ba 493.408	572.343	ug/L	0.069399	0.0	1466294	95.39057
Be 313.042	184.326	ug/L	0.128828	0.1	651711	92.16323
Ca 373.690	102420	ug/L	165.949	0.2	487436	102.42009
Cd 214.439	549.801	ug/L	0.194126	0.0	22258.4	91.63342
Co 228.615	553.086	ug/L	0.203233	0.0	5230.79	92.18107
Cr 267.716	546.461	ug/L	0.018515	0.0	26828.1	91.07682
Cu 327.395	574.873	ug/L	1.76945	0.3	39786.7	95.81216
Fe 273.955	41166.1	ug/L	33.1981	0.1	571130	102.91518
K 404.721	42222.9	ug/L	11.8606	0.0	653.835	105.55721
Li 610.365	1.37672	ug/L	0.045514	3.3	136.082	-
Mg 279.078	102458	ug/L	37.5982	0.0	449030	102.45789
Mn 257.610	369.513	ug/L	0.095229	0.0	114052	92.37822
Mo 202.032	0.792714	ug/L	0.433785	54.7	15.6837	-
Na 330.237	-211.954uv	ug/L	4.75592	2.2	-13.9165	-
Ni 216.555	558.114	ug/L	0.287003	0.1	4818.01	93.01900
Pb 220.353	1791.99	ug/L	1.33342	0.1	9549.23	89.59948
Sb 217.582	910.616	ug/L	3.51050	0.4	1775.73	91.06165
Se 196.026	923.418	ug/L	1.36372	0.1	521.735	92.34175
Si 251.611	0.739391	ug/L	0.873319	118.1	56.5597	-
Si 288.158	-0.555844uv	ug/L	0.654687	117.8	384.981	-
Sn 283.998	228.339	ug/L	1.11612	0.5	1092.88	-
Sr 421.552	0.611232	ug/L	0.002656	0.4	1567.04	-
Ti 336.122	2.05391	ug/L	0.108685	5.3	539.151	-
Tl 190.794	1822.98	ug/L	2.91820	0.2	1485.78	91.14881
V 292.401	566.256	ug/L	0.257440	0.0	23304.9	94.37608
Zn 202.548	532.309	ug/L	2.48579	0.5	12919.2	88.71816
Zr 339.198	2.79642	ug/L	0.415629	14.9	173.329	-

RB (ICSAB) **9/17/2009, 4:54:43 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	0.584072	ug/L	0.640492	109.7	9.18555	-
Al 237.312	4.90224	ug/L	1.08357	22.1	31.8472	-
As 188.980	1.06879	ug/L	0.943269	88.3	3.40461	-
B 249.678	4.91204	ug/L	0.322899	6.6	161.084	-
Ba 493.408	0.027327	ug/L	0.005461	20.0	270.580	-
Be 313.042	0.013232	ug/L	0.001545	11.7	221.848	-
Ca 373.690	3.89477	ug/L	0.538072	13.8	50.9728	-
Cd 214.439	-0.004499uv	ug/L	0.013480	299.6	4.27237	-
Co 228.615	0.323704	ug/L	0.001874	0.6	18.2293	-
Cr 267.716	-0.217878uv	ug/L	0.056545	26.0	22.8359	-
Cu 327.395	0.025305uv	ug/L	0.059421	234.8	73.7008	-
Fe 273.955	7.64314	ug/L	1.49304	19.5	153.403	-
K 404.721	-373.052uv	ug/L	352.838	94.6	12.8009	-
Li 610.365	-0.267738uv	ug/L	0.010517	3.9	6.94336	-
Mg 279.078	4.69876	ug/L	0.808603	17.2	35.2260	-
Mn 257.610	0.054986	ug/L	0.002920	5.3	59.8470	-
Mo 202.032	0.342728	ug/L	0.194175	56.7	11.5173	-
Na 330.237	-20.3174uv	ug/L	6.47292	31.9	12.7117	-
Ni 216.555	0.305165	ug/L	0.271163	88.9	5.46115	-
Pb 220.353	0.227018	ug/L	0.157722	69.5	6.72537	-
Sb 217.582	0.892219	ug/L	0.023355	2.6	5.55026	-
Se 196.026	4.14413	ug/L	0.418743	10.1	4.45611	-
Si 251.611	-1.42863uv	ug/L	0.341172	23.9	44.6461	-
Si 288.158	-2.99690uv	ug/L	0.698872	23.3	354.766	-
Sn 283.998	-0.148931uv	ug/L	0.234624	157.5	11.6260	-
Sr 421.552	0.005233	ug/L	0.002925	55.9	51.2407	-
Ti 336.122	0.534045	ug/L	0.185086	34.7	156.105	-
Tl 190.794	3.23027	ug/L	0.585151	18.1	4.32710	-
V 292.401	0.270511	ug/L	0.090499	33.5	25.2220	-
Zn 202.548	0.097147	ug/L	0.035341	36.4	46.7621	-
Zr 339.198	0.152358	ug/L	0.003817	2.5	11.0526	-

Metals Worksheet

Batch Number: 360-49084
Method: 3050B
Analyst: Burton, Teresa F

Date Open: Sep 17 2009 9:26AM
Batch End: Sep 17 2009 1:30PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	stlma-3_00039	stlma2_00035
MB~360-49084/1		3050B, 6010B		2.0 g	100 mL		
LCS~360-49084/2		3050B, 6010B		2.0 g	100 mL	1.0 mL	1.0 mL
LCSD~360-49084/3		3050B, 6010B		2.0 g	100 mL	1.0 mL	1.0 mL
360-24417-A-2	OC-SB-463-28/30-XXX	3050B, 6010B	T	1.99 g	100 mL		
360-24417-A-2~DU		3050B, 6010B	T	1.98 g	100 mL		
360-24417-A-2~MS		3050B, 6010B	T	2.00 g	100 mL	1.0 mL	1.0 mL
360-24417-A-5	OC-SB-464-26/28-XXX	3050B, 6010B	T	1.60 g	100 mL		
360-24417-A-8	OC-SB-465-16/18-XXX	3050B, 6010B	T	1.96 g	100 mL		
360-24417-A-12	OC-SB-468-31/33-XXX	3050B, 6010B	T	1.51 g	100 mL		
360-24417-A-16	OC-SB-471-26/28-XXX	3050B, 6010B	T	1.80 g	100 mL		
360-24631-A-1	And- Top		T	1.51 g	100 mL		
360-24613-A-1	Disposal Sample/64716-1		T	1.69 g	100 mL		
360-24173-A-2	OC-SB-405-14/15-XXX		T	1.61 g	100 mL		
360-24173-A-5	OC-SB-416-13/14-XXX		T	1.71 g	100 mL		
360-24173-A-10	OC-SB-412-12/13-XXX		T	1.52 g	100 mL		
360-24173-A-13	OC-SB-420-12/14-XXX		T	1.69 g	100 mL		
360-24173-A-16	OC-SB-423-13/14-XXX		T	1.65 g	100 mL		
360-24194-A-2	OC-SB-421-10.5/12.5-XXX		T	1.73 g	100 mL		
360-24194-A-5	OC-SB-424-17/19-XXX		T	1.56 g	100 mL		
360-24194-A-8	OC-SB-425-18/20-XXX		T	1.63 g	100 mL		
360-24223-A-2	OC-SB-415-16/18-XXX		T	1.65 g	100 mL		
360-24223-A-5	OC-SB-419-17/19-XXX		T	1.58 g	100 mL		
360-24223-A-8	OC-SB-426-13/15-XXX		T	1.57 g	100 mL		
360-24223-A-14	OC-SB-436-13/15-XXX		T	1.64 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:	433275
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.

Pick-up on 9/2/09 Wednesday

TAL-Soil

360 24417
Page 1 of 5

10/27/2009

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Client:	Olin Corporation	Client Project #:	6107090016
Address:	3855 North Ocoee St. Suite 200	Work Site ID:	Wilmington, MA
	Cleveland, TN 37312	Reports Sent To:	Steve Morrow
Phone:	423-336-4511	Fax:	423-336-1466
Email	SGMorrow@olin.com	Email Rpt:	

Requested Turnaround Time (SPECIFY): Standard_____ Rush_____ (Lab Approval Required)

Regulatory Programs: MADEP MCP____ Superfund _____

Report Requirements Level IV Package ____ Level II Package _____

EDD Requirements: MACTEC EQUIS EZ EDD _____

INVOICE INFO — Shaded Areas for office use only

Company Name: Olin Corp

Company Contact: ERG Accounts Payable

Address: Same as Client

Phone: Email

Job # _____ Quote # _____

Lab SDG #_____ PO #_____

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)* (ME V)	SVOA and TICs (8270C) (G)	NDMA (Modified 8270C) (G)	Diphenylamine (8270C)** (G)	EPH (MADEP-EPH-04-1.1) (G)	VPH (MADEP-VPH-04-1.1) (ME V)	TAL Metals (6010B / 7471A) (G)	PCBs (8082) (G)	Anions (EPA 300)*** (G)	Amonnia (LACHAT) (G)	TOC (Lloyd Kahn) (G)	Phathalic Anhydride (Mod 8000 HPLC) (G)							Formaldehyde/Acetaldehyde (SW-846 8315A)* (G)	Phthalic Anhydride (acid) (Method 8000 - LC)* (G)			<--Preservative Type (4) <--Bottle Type (5) Comments (Special Instructions)
OC-SB-463-0.0/1.0-XXX	9/1/2009 1:00:00 PM	T	FS	SO	G	4	X	X					X		X	X												Category 1
OC-SB-463-28/30-XXX	9/1/2009 2:50:00 PM	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

Cooler Y / N — MADEP Requirement Samples Iced? Y / N

Temp @ receipt: 4.2°C Deg C

Preservation / pH checked? Y / N

By: KAN Date: 9/2/09

Relinquished: [signature] Date: 09/02/09 Time: 1500 Received: [signature] Date: 9/2/09 Time: 1510

Relinquished: [signature] Date: 9/2/09 Time: 1710 Received: [signature] Date: 9/2/2009 Time: @1710

TAL-Soil

360 24417

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)			<--Preservative Type (4) <--Bottle Type (5) Comments (Special Instructions)
OC-SB-463-6.0/8.0-XXX	9/1/2009 1:10:00 PM	T	FS	SO	G	4	X	X					X		X	X												Category 2
OC-SB-464-0.0/1.0-XXX	9/1/2009 3:50:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X		Category 1
OC-SB-464-26/28-XXX	9/1/2009 4:50:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X		~~Category 2~~ KAN 9/2/09 CATEGORY 3
OC-SB-464-5.0/7.0-XXX	9/1/2009 4:50:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X		~~Category 3~~ KAN 9/2/09 CATEGORY 2
OC-SB-465-0.0/1.0-XXX	9/2/2009 7:35:00 AM	T	FS	SO	G	9	X	X	X	X			X		X	X	X								X	X		Category 1
OC-SB-465-16/18-XXX	9/2/2009 8:25:00 AM	T	FS	SO	G	9	X	X	X	X			X		X	X	X								X	X		Category 3
OC-SB-465-8.0/10-DUP	9/2/2009 7:45:00 AM	T	FD	SO	G	9	X	X	X	X			X		X	X	X								X	X		Category 2
OC-SB-465-8.0/10-MSD	9/2/2009 7:45:00 AM	T	MSD	SO	G	8	X	X	X	X															X	X		Category 2 Same jar as MS for all except VOCs

Special Instructions For Lab

Notes:

1) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida
* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida
** = Using Method 3620B
*** = Sulfate, Chloride

Cooler ? (Y) / N
MADEP Requirement Samples Iced? (Y) / N
Temp @ receipt: 4.2°C Deg C
Preservation / pH checked? Y (N)
By: KAN Date: 9/2/09

Relinquished: [signature] **Date:** 09/02/09 **Time:** 1500 **Received:** [signature] **Date:** 9/2/09 **Time:** 1510

Relinquished: [signature] **Date:** 9/2/09 **Time:** 1710 **Received:** [signature] **Date:** 9/2/2009 **Time:** @1710

TAL-Soil

360-24417

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-465-8.0/10-XMS	9/2/2009 7:45:00 AM	T	MS	SO	G	9	X	X	X	X			X		X	X	X								X	X			Category 2
OC-SB-465-8.0/10-XXX	9/2/2009 7:45:00 AM	T	FS	SO	G	9	X	X	X	X			X		X	X	X								X	X			Category 2
OC-SB-468-0.0/1.0-XXX	9/2/2009 10:05:00	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 1
OC-SB-468-31/33-XXX	9/2/2009 11:00:00	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 3
OC-SB-468-8.0/10-XXX	9/2/2009 10:10:00	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 2
OC-SB-471-0.0/1.0-XXX	9/2/2009 1:15:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 1
OC-SB-471-3.0/5.0-XXX	9/2/2009 1:30:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 2

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

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4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida

** = Using Method 3620B

*** = Sulfate, Chloride

Cooler? (Y) N | MADEP Requirement Samples Iced? (Y) N

Temp @ receipt: 4.2°C Deg C

Preservation / pH checked? Y (N)

By: Kar Date: 9/2/09

Relinquished: [signature] **Date:** 09/02/09 **Time:** 1500 **Received:** [signature] **Date:** 9 2 09 **Time:** 1510

Relinquished: [signature] **Date:** 9/2/09 **Time:** 1710 **Received:** [signature] **Date:** 9/2/2009 **Time:** @ 1710

TAL-Soil

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360 24417

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-471-26/28-XXX	9/2/2009 2:30:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X				X	X	Category 3
OC-TBK-012	9/2/2009 2:50:00 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

Cooler (Y) N — MADEP Requirement Samples Iced (Y) / N

Temp @ receipt: 4.2 Deg C

Preservation / pH checked? Y / (N)

By: _____ Date: 9/2/09

Relinquished: _____ Date: 09/02/09 Time: 1500 Received: _____ Date: 9/2/09 Time: 1510

Relinquished: _____ Date: 9/2/09 Time: 1710 Received: _____ Date: 9/2/2009 Time: @ 1710

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.

Page 5 of 5
360-24417

Login Sample Receipt Check List

Client: Olin Corporation

Job Number: 360-24417-2
SDG Number: OCRI-10A

Login Number: 24417
List Source: TestAmerica Westfield
Creator: Rinard, Kimberley A
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	4.2 C
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	

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
360-24417	OC-SB-463-28/30-XXX	(360-24417-2)	09/01/09	Category 3	SVOC[1]	Analyze SVOC Sample as Previously Requested on COC
360-24417	OC-SB-464-26/28-XXX	(360-24417-5)	09/01/09	Category 3	SVOC[2]	Analyze SVOC Sample as Previously Requested on COC; however, please do not analyze for Diphenylamine
360-24417	OC-SB-465-16/18-XXX	(360-24417-8)	09/02/09	Category 3	SVOC[2]	Analyze SVOC Sample as Previously Requested on COC; however, please do not analyze for Diphenylamine
360-24417	OC-SB-468-31/33-XXX	(360-24417-12)	09/02/09	Category 3	SVOC[2]	Analyze SVOC Sample as Previously Requested on COC; however, please do not analyze for Diphenylamine
360-24417	OC-SB-471-26/28-XXX	(360-24417-16)	09/02/09	Category 3	SVOC[2]	Analyze SVOC Sample as Previously Requested on COC; however, please do not analyze for Diphenylamine
360-24417	OC-SB-464-26/28-XXX	(360-24417-5)	09/01/09	Category 3	NDMA	Cancel Previously Requested NDMA Analysis on COC
360-24417	OC-SB-465-16/18-XXX	(360-24417-8)	09/02/09	Category 3	NDMA	Cancel Previously Requested NDMA Analysis on COC
360-24417	OC-SB-468-31/33-XXX	(360-24417-12)	09/02/09	Category 3	NDMA	Cancel Previously Requested NDMA Analysis on COC
360-24417	OC-SB-471-26/28-XXX	(360-24417-16)	09/02/09	Category 3	NDMA	Cancel Previously Requested NDMA Analysis on COC
360-24417	OC-SB-464-26/28-XXX	(360-24417-5)	09/01/09	Category 3	Phthalic Anhydrides	Cancel Previously Requested Phthalic Anhydride Analysis on COC
360-24417	OC-SB-465-16/18-XXX	(360-24417-8)	09/02/09	Category 3	Phthalic Anhydrides	Cancel Previously Requested Phthalic Anhydride Analysis on COC
360-24417	OC-SB-468-31/33-XXX	(360-24417-12)	09/02/09	Category 3	Phthalic Anhydrides	Cancel Previously Requested Phthalic Anhydride Analysis on COC
360-24417	OC-SB-471-26/28-XXX	(360-24417-16)	09/02/09	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.

10-2-09
Date

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OCRI-10.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
360-24417	OC-SB-463-28/30-XXX	(360-24417-2)	09/01/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24417	OC-SB-464-26/28-XXX	(360-24417-5)	09/01/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24417	OC-SB-465-16/18-XXX	(360-24417-8)	09/02/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24417	OC-SB-468-31/33-XXX	(360-24417-12)	09/02/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24417	OC-SB-471-26/28-XXX	(360-24417-16)	09/02/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24417	OC-SB-463-28/30-XXX	(360-24417-2)	09/01/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC
360-24417	OC-SB-464-26/28-XXX	(360-24417-5)	09/01/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC
360-24417	OC-SB-465-16/18-XXX	(360-24417-8)	09/02/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC
360-24417	OC-SB-468-31/33-XXX	(360-24417-12)	09/02/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC
360-24417	OC-SB-471-26/28-XXX	(360-24417-16)	09/02/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC

Tige Cunningham

Sample Manager
MACTEC Engineering & Consulting, Inc.

9/14/09
Date

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OCRI-10.xls, Metals Pending Samples